

# CHAIN ROAD BLACKLEY

## PHASE 1: PRELIMINARY RISK ASSESSMENT

**Job Number:** LKC 21 1026

**Date:** February 2021

**Client:** Great Places Housing Group



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| <b>LK Consult</b><br><b>Document Verification</b> |                                          |                       |                                                                                      |
|---------------------------------------------------|------------------------------------------|-----------------------|--------------------------------------------------------------------------------------|
| <b>Site Address</b>                               | Chain Road, Blackley, Manchester, M9 6QX |                       |                                                                                      |
| <b>Report Title</b>                               | Phase 1: Preliminary Risk Assessment     |                       |                                                                                      |
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| Revision Record |                |                                                                                 |             |
|-----------------|----------------|---------------------------------------------------------------------------------|-------------|
| Revision No.    | Date           | Nature of Revision                                                              | Approved By |
| R1              | 15 / 06 / 2021 | Change of proposed site layout plan and number of plots included in the scheme. | MT          |
| R2              | 14 / 09 / 2022 | Update of site boundary to include additional area.                             | MT          |

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## 1 Introduction

LK Consult Ltd (LKC) has been retained to carry out a Phase 1 Preliminary Risk Assessment (PRA) for Chain Road, Blackley.

In accordance with current guidance (including LMRM<sup>1</sup> and the National Planning Policy Framework (NPPF)<sup>2</sup>), the PRA will include a site reconnaissance, site history, geology, hydrogeology, hydrology, mineral search and a landfill search. Information gathered from the desk study and site reconnaissance will be used to develop a contamination conceptual model for the site.

In addition, the information gathered will be used to identify potential geotechnical constraints associated with the redevelopment of the site.

Based on the findings of this report, an appropriate site investigation can be derived, if required.

Site details are provided in Table 1-1. Figure 1 shows the site location and boundary. Figure 2 shows the proposed development plan.

|                             |                                                                                                                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Site Location</b>        | Corner of Chain Road and Victoria Avenue in the Blackley area of Manchester.<br>Centred at approximate National Grid Reference 385980E 404160N.                                                                                                                          |
| <b>Approximate Area</b>     | 3,590m <sup>2</sup> .                                                                                                                                                                                                                                                    |
| <b>Topography</b>           | 96 metres Above Ordnance Datum (AOD).                                                                                                                                                                                                                                    |
| <b>Current Site Use</b>     | Vacant land largely vegetated.                                                                                                                                                                                                                                           |
| <b>Purpose of Report</b>    | Pre-planning.                                                                                                                                                                                                                                                            |
| <b>Proposed Development</b> | Residential housing with gardens / soft landscaping.<br>12no. residential houses (semi-detached and terraced) with front and rear gardens and an apartment building with associated soft landscaping.<br>Also includes associated infrastructure including road network. |

Table 1-1: Summary of site details

<sup>1</sup> Land Contamination Risk Management (LCRM) <https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm>

<sup>2</sup> "National Planning Policy Framework." The Ministry of Housing, Communities and Local Government. February 2019.

## 2 Historical Review

In compiling the site history, LKC consulted Envirocheck historical mapping (Appendix A). The boundary on the Envirocheck mapping has since been updated, see Figure 1 for current site boundary.

Table 2-1 summarises features on site.

| Site Features                | Location on Site | Dates Present |      | Comments                                                                                                        |
|------------------------------|------------------|---------------|------|-----------------------------------------------------------------------------------------------------------------|
|                              |                  | From          | To   |                                                                                                                 |
| Small unreferenced structure | S                | 1909          | 1923 | No longer present by 1932 mapping.                                                                              |
| Public house                 | SE               | 1933          | 2006 | With associated outbuildings. Majority of outbuildings removed by 1982 mapping. Site is vacant by 2020 mapping. |
| Bowling green                | NW               | 1952          | 1978 | No longer annotated by 1982 mapping. Bowling green area becomes car park for the public house.                  |

Table 2-1: Summary of site features. Dates based on available historical map editions.

Table 2-2 summarises potentially contaminative land uses within approximately 50m and potentially infilled features within approximate 250m.

| Surrounding Area Features | Distance (m) | Direction | Dates Present |      | Comments                           |
|---------------------------|--------------|-----------|---------------|------|------------------------------------|
|                           |              |           | From          | To   |                                    |
| Pond                      | 65           | NE        | 1848          | 1932 | No longer present by 1933 mapping. |
| Pond                      | 150          | SW        | 1848          | 1932 | No longer present by 1933 mapping. |
| Pond                      | 250          | W         | 1848          | 1894 | No longer present by 1909 mapping. |
| Pond                      | 200          | N         | 1848          | 1933 | No longer present by 1938 mapping. |
| Watercourse               | 50           | N         | 1848          | 1975 | Appears to have been culverted.    |
| Pond                      | 120          | SW        | 1893          | 1910 | No longer present by 1923 mapping. |
| Pond                      | 125          | SE        | 1893          | 1932 | No longer present by 1933 mapping. |
| Cutting                   | 60           | NE        | 1933          | 1966 | No longer present by 1975 mapping. |
| Refuse heap               | 145          | NE        | 1952          | 1975 | No longer present by 1975 mapping. |
| Refuse heap               | 225          | ESE       | 1952          | 1975 | No longer present by 1975 mapping. |

Table 2-2: Summary of potentially contaminative features within 50m and potentially infilled features with 250m. Dates are based on available historical map editions.

The 1952 mapping showing site features and surrounding cutting, refuse heap and watercourse is shown on Plate 2-1.



Plate 2-1: Extract from 1952 mapping.

### 3 Environmental Setting

A summary of environmental settings is presented in Table 3-1, based on a review of available environmental data.

| Categories (data sources)          |                                                                              | Details                                                                                                                                                    |
|------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Geology <sup>1</sup>               | Artificial                                                                   | - No BGS recorded artificial.                                                                                                                              |
|                                    | Superficial                                                                  | - Till (diamicton).                                                                                                                                        |
|                                    | Bedrock                                                                      | - Manchester Marls Formation (mudstone).                                                                                                                   |
|                                    | BGS Logs (<50m)                                                              | - None.                                                                                                                                                    |
| Hydro-geology <sup>1</sup>         | Aquifer Designation                                                          | - Superficial<br>- Bedrock                                                                                                                                 |
|                                    | Source Protection Zone (SPZ)                                                 | - Secondary Undifferentiated Aquifer.<br>- Secondary B Aquifer.                                                                                            |
|                                    | Groundwater Abstractions (100m)                                              | - Site not within an SPZ.                                                                                                                                  |
|                                    |                                                                              | - None.                                                                                                                                                    |
| Hydrology <sup>1</sup>             | Surface Water Courses (100m)                                                 | - None.                                                                                                                                                    |
|                                    | Flooding risk                                                                | - Flood Zone 1.                                                                                                                                            |
|                                    | Surface Water Abstractions (100m)                                            | - None.                                                                                                                                                    |
|                                    | Discharge Consents                                                           | - None.                                                                                                                                                    |
|                                    | Pollution Incidents                                                          | - None.                                                                                                                                                    |
| Minerals & Mining <sup>1,2,3</sup> | Coal Mining                                                                  | - Within a Coal Reporting Area.<br>- Not within a Development High Risk Area.                                                                              |
|                                    | Coal Authority Report                                                        | - No past underground mining recorded.<br>- No probable unrecorded shallow workings.<br>- No mine entries recorded within 100m.<br>- No outcrops recorded. |
|                                    | Surface Mineral Extractions (250m)                                           | - None.                                                                                                                                                    |
|                                    | Cheshire Brine Compensation District                                         | - Not within Compensation District.<br>- Not within Consultation Area.                                                                                     |
|                                    | Non-Coal Mining Area                                                         | - Not within an area of conclusive metalliferous mining.                                                                                                   |
| Ground Stability <sup>1</sup>      | Collapsible Ground                                                           | - Very low hazard.                                                                                                                                         |
|                                    | Compressible Ground                                                          | - No hazard.                                                                                                                                               |
|                                    | Ground Dissolution                                                           | - No hazard.                                                                                                                                               |
|                                    | Landslide                                                                    | - Very low hazard.                                                                                                                                         |
|                                    | Running Sand                                                                 | - Very low hazard.                                                                                                                                         |
|                                    | Shrinking / Swelling Clay                                                    | - Very low hazard.                                                                                                                                         |
| Landfill Sites (250m) <sup>1</sup> | Known / Registered                                                           | - 127m E – 'Land to the Rear of Symond Road'.<br>No further details are given.                                                                             |
|                                    | Potentially Infilled Land (non-water and water), based on Envirocheck Report | - 9no. features: 41m to 235m from site.                                                                                                                    |
|                                    | Potentially infilled sites, based on LKC historical review                   | - 9no. features: See Table 2-1.                                                                                                                            |

Table 3-1: Summary of the environmental setting.

**Notes:** Distance in brackets is the distance from site that features are included. Where no distance given, features relate to on site only.

**Data Sources:**

1 Envirocheck Report (Appendix A & B)

2 The Coal Authority Web Mapping Services (WMS) /

Interactive Map Viewer <http://coal.decc.gov.uk/en/coal/cms/publications/data/map/map.aspx>

3 Coal Authority Consultants Coal Mining Report (Appendix C).

| Categories <sup>(data sources)</sup>            |                           | Details                                                                                                                     |
|-------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Radon Potential <sup>1</sup>                    |                           | - <1% of homes above Action Level. No protective measures are necessary in the construction of new dwellings or extensions. |
| Designated Sites (50m) <sup>1</sup>             |                           | - Site forms part of Nitrate Vulnerable Zone.                                                                               |
| Contemporary Trade Directory (50m) <sup>1</sup> |                           | - 35m S, cash registers and checkout equipment. Listed as active.                                                           |
| Fuel Station Entries (50m) <sup>1</sup>         |                           | - None.                                                                                                                     |
| Unexploded Ordnance Risk (UXO) <sup>4</sup>     | Zetica Risk Map           | - Moderate.                                                                                                                 |
|                                                 | Pre-Desk Study Assessment | - Detailed UXO desk study required.                                                                                         |

Table 3-1 (continued): Summary of the environmental setting.

**Notes:** Distance in brackets is the distance from site that features are included. Where no distance given, features relate to on site only.

**Data Sources:**

**1** Envirocheck Report (Appendix A & B)

**4** Zetica UXO Unexploded Bomb Risk Map and Pre-Desk Study Assessment (Appendix D)

## 4 Site Reconnaissance

A site reconnaissance was carried out on 10 February 2021. Hand dug trial holes were undertaken in accessible areas to confirm the shallow ground conditions.

Relevant features identified on site are summarised below:

- The site is open access, located between Chain Road and Victoria Avenue.
- The site comprises three main areas. The north western part consists of an old, tarmacadam car park, in moderate condition with parking bay marks still present. The western part consists of overgrown shrubs, brambles and trees. The south eastern section comprises tarmacadam around the border, a tarmacadam path through the west and then well-kept grass across the area.
- Street lighting is present surrounding the site.

Northwest:

- At the entrance off Chain Road, small cement blocks have been positioned (covered in fly tipping) to prevent people driving on. A brick wall is also present at the entrance (Plate 4-1, Photographs 1-2).
- A large amount of fly tipping has occurred here across this area. The contents appear to be household waste (Plate 4-1, Photograph 3).
- Adjacent north and east are side alleys for the neighbouring estate. A water main runs along these side alleys (Plate 4-1, Photographs 5 and 6).
- The tarmac is in moderate condition with tree roots disrupting it and general wear and tear.
- The area is bordered by a combination of mature trees (west) and wooden fencing (north east), and brick walls (south) (Plate 4-1 Photographs 2, 4, 6).

Southwest:

- This area is very overgrown and would require cutting and removal before any site work could begin. The ground is soft and appears peaty (Plate 4-1, Photograph 5).
- This site is relatively higher (approximately 0.50m) than the north west car park.
- A brick wall is present on the southern boundary, onto Victoria Avenue.
- The site could not be completely access due to the overgrown nature of this area, but evidence of further household waste fly tipping was seen (Plate 4-1, Photograph 7).

Southeast:

- Primarily composing well-kept grass, no fly tipping is present here. A tarmacadam path runs along the west border, north to south and an unofficial footpath is also present (Plate 4-1, Photograph 7-8).
- Sandstone flags are present in the south area of this site (Plate 4-1, Photograph 11).
- This site is the same level as the SW area but relatively higher than the NW car park.
- Tarmacadam borders the grass, looking in a moderate condition. Many services are also present in the north and east borders, including gas pipes (in the east) and water manhole covers (north).
- A broadband / telecoms distribution box is also adjacent north of this area (Plate 4-1, Photograph 12).



The surrounding area comprises Victoria Avenue and shops (south), and residential properties (north, east and west).

Relevant photographs are provided in Plate 4-1.

|                                                                                                                 |                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                                                              |
| <p><b>Photograph 1:</b> View of NW site from E entrance from Chain Road.</p>                                    | <p><b>Photograph 2:</b> View of NW site from E entrance showing brick wall and small cement block.</p>                                         |
|                               |                                                             |
| <p><b>Photograph 3:</b> Fly tipping present around the edge of the NW site.</p>                                 | <p><b>Photograph 4:</b> View of the level up from the NW area of the site to the SW.</p>                                                       |
|                              |                                                            |
| <p><b>Photograph 5:</b> Photograph of the SW area of the site from the E - too overgrown to gain access in.</p> | <p><b>Photograph 6:</b> Brick wall on the south border of the NW site, into an alley for the adjacent houses. Water manhole cover present.</p> |

Plate 4-1: Site photographs.



|                                                                                     |                                                                                                                                       |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
|    |                                                     |
| <p><b>Photograph 7:</b> Brick wall on the western border of the SW site.</p>        | <p><b>Photograph 8:</b> Unofficial footpath from the NW site to the SE.</p>                                                           |
|   |                                                    |
| <p><b>Photograph 9:</b> SE area looking from the east.</p>                          | <p><b>Photograph 10:</b> SE area looking northwest from the east, scars showing evidence of services.</p>                             |
|  |                                                   |
| <p><b>Photograph 11:</b> Sandstone flags present in the south of the SE site.</p>   | <p><b>Photograph 12:</b> Telecoms / broadband distribution box in the north of the site – more scars indicating services on site.</p> |

Plate 4-1 continued: Site photographs.

Hand dug pits were carried out in 3no. locations and are summarised in Plate 4-2.

| HD101                                                                                                                          | HD102                                                                                                          | HD103                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| GL->0.5m Made Ground – Dark brown gravelly silty sand with frequent brick fragments, glass, pottery, plastic, tarmac, clinker. | GL>0.5m Made ground – Dark brown gravelly peaty sand with frequent roots and rootlets, some plastic fragments. | GL->0.4m Made Ground – Brown and red gravelly silt sandy with brick fragments, ash, clinker, glass, pottery. |

Plate 4-2: Hand Dug Pit Logs.

Relevant features are also shown on Plate 4-3.



Plate 4-3: Plan showing relevant site walkover features.

## 5 Preliminary Conceptual Model

### 5.1 Introduction

The aim of the conceptual model is to provide a preliminary assessment of the likelihood of a pollutant linkage for each potential combination of contaminant, pathway and receptor. A conceptual model can be used to make an informed decision on the contamination risks associated with the site and whether further site investigation work is required.

The Sections below are therefore divided into potential contaminant, potential pathway and potential receptor as described in LMRM<sup>3</sup>, on the premise that, if there is no pollutant linkage, then there will be no risk to the receptor. The final Section provides an assessment of the potential pollutant linkages that may still be present on the site if redevelopment were to occur.

### 5.2 Potential Contaminants

Potential viable contamination sources are detailed in Table 5-1. These are split into onsite and offsite sources.

| Potential Source                                                                                   | Contaminants                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>On Site</b>                                                                                     |                                                                                                                                                                                                                                                                                                                                   |
| Deep Made Ground below some of the site (e.g. possible former cellar, levelling / raising of site) | <ul style="list-style-type: none"> <li>- Demolition rubble, ash and clinker: Asbestos, heavy metals, sulphates, PAHs<sup>4</sup>.</li> <li>- Other fill material sources: Unknown organic / inorganic compounds.</li> <li>- If organic / putrescible material: Hazardous gas (principally carbon dioxide and methane).</li> </ul> |
| Public House                                                                                       | <ul style="list-style-type: none"> <li>- Assuming a boiler house is / has been present: Petroleum hydrocarbons (fuel / oils) and heavy metals, sulphates, PAHs (waste ash and clinker).</li> <li>- Demolished buildings: ACM.</li> </ul>                                                                                          |
| Car park                                                                                           | <ul style="list-style-type: none"> <li>- Assuming hardstood surface: No significant contamination source anticipated.</li> </ul>                                                                                                                                                                                                  |
| <b>Surrounding Area</b>                                                                            |                                                                                                                                                                                                                                                                                                                                   |
| Surrounding area                                                                                   | - No significant contamination sources within influencing distance of the site.                                                                                                                                                                                                                                                   |
| Offsite known / potentially infilled features within 250m                                          | - Given size, distance and age of features, there is considered to be a potential source of hazardous gas.                                                                                                                                                                                                                        |

Table 5-1: Potential contamination sources.

### 5.3 Potential Receptors

Potential receptors are detailed in Table 5-2.

| <b>Receptors</b>                             |                                                                                                                                                        |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Human Health                                 | <ul style="list-style-type: none"> <li>- Future site users (including residents, visitors and site workers).</li> <li>- Offsite land users.</li> </ul> |
| Controlled Waters                            | <ul style="list-style-type: none"> <li>- Secondary B Aquifer.</li> <li>- No surface water within influencing distance.</li> </ul>                      |
| Buildings and structures.                    |                                                                                                                                                        |
| Potable water pipes.                         |                                                                                                                                                        |
| Flora within future gardens and landscaping. |                                                                                                                                                        |

Table 5-2: Potential receptors.

<sup>3</sup> Land Contamination Risk Management (LCRM) <https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm>

<sup>4</sup> Defra (2002). "Potential Contaminants for the Assessment of Land". R&D Publication CLR 8.



## 5.4 Potential Pathways

Potential pathways are detailed in Table 5-3.

| Pathways      |                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Soil          | Human Health <sup>6</sup> (residential land use: houses with private gardens) | <ul style="list-style-type: none"> <li>- Ingestion of soil.</li> <li>- Ingestion of soil-derived indoor dust.</li> <li>- Ingestion of contaminated vegetables.</li> <li>- Ingestion of soil attached to vegetables.</li> <li>- Dermal contact with soil.</li> <li>- Dermal contact with soil-derived indoor dust.</li> <li>- Inhalation of soil-derived outdoor dust.</li> <li>- Inhalation of soil-derived indoor dust.</li> <li>- Inhalation of vapours outside.</li> <li>- Inhalation of vapours inside.</li> </ul> |
|               |                                                                               | - Windblown dust and fibres to adjacent receptors.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|               |                                                                               | - Direct contact with receptors (building foundations, services).                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|               |                                                                               | - Root uptake.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Water         |                                                                               | - Surface run-off over impermeable surface.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|               |                                                                               | - Infiltration into the ground, through potentially contaminated material (contamination possibly going into solution).                                                                                                                                                                                                                                                                                                                                                                                                |
| Water and Gas |                                                                               | <ul style="list-style-type: none"> <li>- Migration through potentially permeable strata and preferential pathways.</li> <li>- Superficial (Till) likely to be low permeability.</li> <li>- Bedrock (mudstone) likely to be low permeability.</li> <li>- Preferential pathways: services.</li> </ul>                                                                                                                                                                                                                    |
| Gas           |                                                                               | - Migration into buildings (e.g. via services) and accumulation of gases in confined spaces (potentially causing explosion if methane is present).                                                                                                                                                                                                                                                                                                                                                                     |

Table 5-3: Potential pathways.

## 5.5 Preliminary Contamination Conceptual Model

The Preliminary Contamination Conceptual Model is illustrated in Table 5-4 and has identified seven generic potential pollutant linkages.

Each linkage is described along with an assessment of the risk based upon guidance on probabilities and consequences outlined in CIRIA C552<sup>7</sup>.

In order to assess the potential risk for each pollutant linkage, an assessment of the magnitude of the potential consequence (severity) of the risk occurring and the magnitude of the probability (likelihood) of the risk occurring has been considered and classified. This is based on the guidance provided in CIRIA C552 and further details including a risk matrix is provided in Appendix E.

Where LKC identified a low to very low risk, targeted or low density intrusive investigation work, a watching brief (during construction work) or no investigation work will be recommended. This will be dependent on the nature of the site and the proposed development.

Where the risk falls into the moderate/low risk, LKC will undertake an assessment to establish what category the pollutant linkage will fall into (i.e. moderate or low risk will be chosen).

<sup>6</sup> EA (2008). "Updated Technical Background to the CLEA Model". Science Report – SC050021/SR3.

<sup>7</sup> CIRIA (2001). "Contaminated Land Risk Assessment: A Guide to Good Practice". C552.

Where LKC identifies a moderate or higher risk, intrusive investigation work or precautionary remedial measures will be recommended.

It should be noted that there may be risk from short term exposure from contaminated soil to site workers. The Preliminary Contamination Conceptual Model deals with long term exposure to key receptors. Acute risks can be easily mitigated by good environmental management of the site during site works. Standard health and safety precautions (as per HSE guidance<sup>8</sup>) should be adopted by all workers involved with site enabling and construction works. Therefore, this receptor is not considered in the contamination conceptual model.

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<sup>8</sup> HSE (1991). "Protection of Workers and the General Public During Development of Contaminated Land". London HMSO.

| PL | Pathway                                                                                                                                                                                                                      | Receptor                                                                                                                    | Contaminants of Concern (CoC)                                                                                        | Probability                                                                                                                                          | Consequence | Risk                                                                               | Recommendations                                                                                                                                             |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | <ul style="list-style-type: none"> <li>- Dermal contact.</li> <li>- Inhalation of soil, fibres and dust.</li> <li>- Ingestion of soils, dust, vegetables, soil attached to vegetables.</li> <li>- Windblown dust.</li> </ul> | <ul style="list-style-type: none"> <li>- Future site users.</li> <li>- Offsite receptors.</li> </ul>                        | <ul style="list-style-type: none"> <li>- ACM.</li> <li>- Heavy metals.</li> <li>- PAHs.</li> </ul>                   | Likely<br>(given site history, site conditions and proposed end use)                                                                                 | Medium      | <b>Moderate</b>                                                                    | Intrusive investigation required. Soil analysis of CoC.                                                                                                     |
|    |                                                                                                                                                                                                                              |                                                                                                                             | <ul style="list-style-type: none"> <li>- Petroleum hydrocarbons.</li> </ul>                                          | Low Likelihood<br>(given site history, site conditions and proposed end use)                                                                         | Medium      | <b>Moderate / Low</b><br>(moderate assumed until ground conditions confirmed)      | Intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.                                                           |
| 2  | <ul style="list-style-type: none"> <li>- Inhalation of vapours.</li> <li>- Migration via permeable strata and preferential pathways.</li> </ul>                                                                              | <ul style="list-style-type: none"> <li>- Future site users.</li> <li>- Offsite receptors.</li> </ul>                        | <ul style="list-style-type: none"> <li>- Volatile contaminants (TPHCWG).</li> </ul>                                  | Low Likelihood<br>(given site history, site conditions and proposed end use)                                                                         | Medium      | <b>Moderate / Low</b><br>(moderate assumed until ground conditions confirmed)      | Intrusive investigation required, to include PID testing. Soil analysis of CoC, subject to ground conditions encountered and PID testing.                   |
| 3  | <ul style="list-style-type: none"> <li>- Inhalation of gas.</li> <li>- Migration via permeable strata and preferential pathways.</li> <li>- Explosion in confined spaces.</li> <li>- Exposure to radon.</li> </ul>           | <ul style="list-style-type: none"> <li>- Future site users.</li> <li>- Buildings.</li> <li>- Offsite land users.</li> </ul> | <ul style="list-style-type: none"> <li>- Ground / hazardous gas (carbon dioxide, methane).</li> </ul>                | Low Likelihood<br>(clay is expected to limited migration from offsite sources; however, there could be an onsite source associated with made ground) | Severe      | <b>Moderate</b>                                                                    | Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring or gas protection measures required. |
| 4  | <ul style="list-style-type: none"> <li>- Surface run-off.</li> <li>- Migration via permeable strata and preferential pathways.</li> <li>- Perched waters migration.</li> </ul>                                               | <ul style="list-style-type: none"> <li>- Groundwater (Secondary B Aquifer).</li> </ul>                                      | <ul style="list-style-type: none"> <li>- Mobile contaminants such as metals, PAHs, hydrocarbons.</li> </ul>          | Unlikely<br>(significant mobile contamination not anticipated and limited pathway due to anticipated clay)                                           | Medium      | <b>Low</b>                                                                         | Intrusive investigation required. Groundwater sampling, subject to ground conditions encountered. Analysis of CoC.                                          |
| 5  | <ul style="list-style-type: none"> <li>- Sulphate attack on concrete.</li> </ul>                                                                                                                                             | <ul style="list-style-type: none"> <li>- Building structure.</li> </ul>                                                     | <ul style="list-style-type: none"> <li>- Sulphate.</li> </ul>                                                        | Likely<br>(given site history, site conditions, and direct contact / pathway)                                                                        | Mild        | <b>Moderate / Low</b><br>(moderate assumed until ground conditions confirmed)      | Intrusive investigation required. Soil analysis of CoC.                                                                                                     |
| 6  | <ul style="list-style-type: none"> <li>- Ingestion of tainted water supply.</li> </ul>                                                                                                                                       | <ul style="list-style-type: none"> <li>- Future site users.</li> <li>- Water pipes.</li> </ul>                              | <ul style="list-style-type: none"> <li>- Organic contaminants such as petroleum hydrocarbons, naphthalene</li> </ul> | Low Likelihood<br>(although some contamination may be present, significant contamination not expected at pipeline depth)                             | Medium      | <b>Moderate / Low</b><br>(moderate risk assumed until ground conditions confirmed) | Intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.                                                           |
| 7  | <ul style="list-style-type: none"> <li>- Direct contact (plant uptake).</li> </ul>                                                                                                                                           | <ul style="list-style-type: none"> <li>- Flora.</li> </ul>                                                                  | <ul style="list-style-type: none"> <li>- Phytotoxic contaminants such as heavy metals.</li> </ul>                    | Likely<br>(given site history, site conditions and proposed end use)                                                                                 | Minor       | <b>Low</b>                                                                         | Low density intrusive investigation required. Soil analysis of CoC.                                                                                         |

Table 5-4: Preliminary Contamination Conceptual Model.

**Notes:** PL = Pollutant Linkage. Contaminant of Concern (CoC) - See Table 5-1 for contamination sources. Site conditions based on observations during site reconnaissance.



## 6 Preliminary Geotechnical Risk Assessment

Table 6-1 summarises the possible geotechnical constraints of the site, based on the site history, environmental settings and site reconnaissance. Investigation work will be required to confirm the risks and provide a detailed geotechnical assessment and foundation design.

|                                                     |                                                                                                                                                                                                                     |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Coal Mining</b>                                  | Site is not within a Development High Risk Area. No further assessment required.                                                                                                                                    |
| <b>Slope Stability</b>                              | Site is relatively flat. No significant slope stability risk anticipated. No further assessment required.                                                                                                           |
| <b>Envirocheck<br/>Ground Stability<br/>Hazards</b> | Very low to no hazard identified. No further action required.                                                                                                                                                       |
| <b>Made Ground</b>                                  | Unknown depth and constituent of made ground across the site.<br>Possible in-ground structures from previous developments.<br>Unlikely to be a suitable founding strata unless engineering work is undertaken.      |
| <b>Superficial</b>                                  | Unknown strength of soils for foundation design.<br>Clay anticipated below the site.                                                                                                                                |
| <b>Bedrock</b>                                      | Unknown depth to bedrock.                                                                                                                                                                                           |
| <b>Groundwater</b>                                  | Unknown depth and variability of groundwater.<br>Shallow / fluctuating groundwater can affect the strength of the soil, particularly in granular ground.<br>Shallow groundwater can also affect construction works. |
| <b>Plasticity</b>                                   | Plasticity of clay deposits should be confirmed, particularly where trees are present or proposed, to identify the shrink / swell risk.                                                                             |
| <b>Sulphate</b>                                     | Unknown sulphate content of the made ground and natural.<br>Ash noted in the made ground which may give rise to elevated sulphate.                                                                                  |
| <b>Road / Pavement<br/>Design</b>                   | Unknown CBR values for footpath and road design.                                                                                                                                                                    |

Table 6-1: Summary of geotechnical constraints.

## 7 Summary Conclusions and Recommendations

### 7.1 Summary Conclusions

Table 7-1 summarises the site details, historical review, environmental settings and site reconnaissance.

|                                    |                                                                                                                                                                                                                                                              |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Current Site Use</b>            | Vacant land largely vegetated.                                                                                                                                                                                                                               |
| <b>Proposed Development</b>        | Residential housing with gardens / soft landscaping.<br>12no. residential houses (semi-detached and terraced) with front and rear gardens and an apartment building with associated soft landscaping. With associated infrastructure including road network. |
| <b>Main Historical Features</b>    | Onsite: Public house, bowling green and car park.<br>Surrounding Area: Refuse heaps, ponds, watercourse.                                                                                                                                                     |
| <b>Geology / Hydrogeology</b>      | Artificial: No BGS recorded artificial.<br>Superficial: Till. Secondary Undifferentiated Aquifer.<br>Bedrock: Manchester Marls Formation. Secondary B Aquifer.                                                                                               |
| <b>Landfills / Infilled ground</b> | No recorded landfills. Potentially infilled ground identified.                                                                                                                                                                                               |
| <b>Unexploded Ordnance</b>         | Site is in a moderate risk zone. A detailed desk study is recommended.                                                                                                                                                                                       |
| <b>Site walkover</b>               | NW: Old, tarmacadam car park, in moderate condition with parking bay marks still present.<br>W: Overgrown vegetation and trees.<br>SE: Tarmacadam around the border, a tarmacadam path through the west and then well-kept grass across the area.            |

Table 7-1: Summary of site details, historical review, environmental settings and site reconnaissance.

A preliminary contamination conceptual model has been produced by LKC, which is summarised in Table 7-2.

| Pollutant Linkage                                                                                                                                                 |                         | Risk                  | Recommendations                                                                                                                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| PL1: Contaminants posing a risk to future site users via dermal contact, ingestion and inhalation (of soil, dust, fibres and vegetables).                         | ACM, heavy metals, PAHs | <b>Moderate</b>       | Intrusive investigation required.<br>Soil analysis of CoC.                                                                                   |
|                                                                                                                                                                   | Petroleum hydrocarbons  | <b>Moderate / Low</b> | Intrusive investigation required.<br>Soil analysis of CoC, subject to ground conditions encountered.                                         |
| PL2: Volatile contaminants posing a risk to future site users via the inhalation of vapours.                                                                      |                         | <b>Moderate / Low</b> | Intrusive investigation required, to include PID testing.<br>Soil analysis of CoC, subject to ground conditions encountered and PID testing. |
| PL3: Gas (carbon dioxide and methane) posing a risk to buildings and future site users via the migration of gas into building causing explosion and asphyxiation. |                         | <b>Moderate</b>       | Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring required.             |
| PL4: Mobile contamination posing a risk to controlled waters via the migration through permeable strata.                                                          |                         | <b>Low</b>            | Intrusive investigation required.<br>Groundwater sampling, subject to ground conditions encountered.<br>Analysis of CoC.                     |
| PL5: Sulphate posing a risk to building via direct contact (sulphate attack).                                                                                     |                         | <b>Moderate / Low</b> | Intrusive investigation required.<br>Soil analysis of CoC.                                                                                   |
| PL6: Organic contaminants posing a risk to water pipes.                                                                                                           |                         | <b>Moderate / Low</b> | Intrusive investigation required.<br>Soil analysis of CoC, subject to ground conditions encountered.                                         |
| PL7: Phytotoxic metals posing a risk to flora via root uptake.                                                                                                    |                         | <b>Low</b>            | Intrusive investigation required.<br>Soil analysis of CoC.                                                                                   |

Table 7-2: Summary risk table.

Where moderate / low risk had been identified, the assumed risk is shown in bold.

## 7.2 Recommendations

Recommendations are provided in Table 7-4.

|                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Contamination status</b>               | There is sufficient information on the potential contaminative status of the site to allow conditional approval of a planning application, based on the proposed end use detailed in the PRA.                                                                                                                                                                                                                                                                |
| <b>Further assessment recommendations</b> | Phase 2 intrusive investigation required.<br>Phase 2 investigation to be carried out in line with current guidance, including BS10175 <sup>9</sup> , BS5930 <sup>10</sup> CIRIA C665 <sup>11</sup> , RB17 <sup>12</sup> and BS8485 <sup>13</sup> .<br>'Detailed investigation': 1 sample per 10-25m square centres.<br>Plus targeted investigation locations in areas of concern (contamination and geotechnical).<br>To be agreed with the Local Authority. |
| <b>Type of investigation work</b>         | Boreholes and / or trial pits.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>PL 1, 2, 5, 6, 7</b>                   | Intrusive investigation work recommended to confirm ground conditions across the site.<br>Testing of contaminants of concern based on preliminary conceptual model and field observations (PID tests and visual / olfactory evidence).                                                                                                                                                                                                                       |
| <b>PL 3</b>                               | Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring or gas protection measures required.                                                                                                                                                                                                                                                                                                  |
| <b>PL 4</b>                               | Groundwater sampling, subject to ground conditions encountered.                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reporting</b>                          | Information from the above can be used to carry out a contamination and geotechnical assessment and provide a remediation strategy for the site.                                                                                                                                                                                                                                                                                                             |

Table 7-4: Recommendations.

Further Considerations are summarised in Table 7-5.

|                            |                                                                                                                                                                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unexploded Ordnance</b> | A moderate risk from unexploded ordnance (UXO) has been identified. It is recommended that a detailed UXO desk study is carried out to confirm the risk. The detailed desk study will confirm if any special precautions need to be considered before any intrusive work is carried out. |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Table 7-5: Further considerations.

<sup>9</sup> British Standard (2017). "Investigation of Potentially Contaminated Sites – Code of Practice". BS10175:2017.

<sup>10</sup> British Standard (2015). "Code of Practice for Ground Investigations". BS5930:2015.

<sup>11</sup> CIRIA (2007). "Assessing Risks Posed by Hazardous Ground Gases to Buildings". CIRIA C665.

<sup>12</sup> CL:AIRE Research Bulletin RB17 (November 2012) "A Pragmatic Approach to Ground Gas Risk Assessment".

<sup>13</sup> BSI (2015). "Code of Practice for the Design of Protective Measures for Methane and Carbon Dioxide Ground Gases for New Buildings". BS8485:2015.

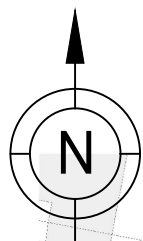
## Figures





|                                           |                 |                   |                     |                                                      |           |  |                                                                                       |
|-------------------------------------------|-----------------|-------------------|---------------------|------------------------------------------------------|-----------|--|---------------------------------------------------------------------------------------|
| Client:<br><br>Great Places Housing Group |                 |                   |                     | Title:<br><br>Site Location &<br>Boundary Plan       |           |  |  |
| Site:<br><br>Chain Road, Blackley         |                 |                   |                     | Scale (see scale bar):<br>1:25,000 &<br>1:1,250 @ A4 |           |  |                                                                                       |
| Job No.:<br>LKC 21 1026                   | Drawn By:<br>HF | Checked By:<br>MT | Drawn:<br>Sept 2022 | Figure:<br>2                                         | Revision: |  |                                                                                       |





## KEY

-  Site Boundary
-  Outline of Former Public House

### Schedule of accommodation All to MCC Space standards

#### Apartment Block - 3No Storeys/single stair/no lift

 14No 2Bed/3Persons

 6No 1Bed/2Persons

**20No TOTAL**

70% (14No) Car parking spaces

#### Houses

 10No 3Bed/4Persons

 2No 4Bed/6Persons

**12No TOTAL**

100% (1No) Car parking spaces per dwelling

**32No Units TOTAL**

Sampling Locations and features annotated by LK Consult Ltd are approximate and are based upon observed measurements unless otherwise stated. Do not scale from this drawing and work from marked dimensions only. All dimensions and features should be confirmed on site by the Contractor. Where this drawing includes information provided to LK Consult Ltd by others, LK Consult Ltd gives no warranty, representation or assurance as to the accuracy of such information.



Client:  
**Great Places Housing Group**

Site:  
**Chain Road, Blackley**

Title:  
**Proposed Layout Plan**

|                                |                                             |                            |                       |
|--------------------------------|---------------------------------------------|----------------------------|-----------------------|
| Job No.:<br><b>LKC 21 1026</b> | Scale (See Scale Bar):<br><b>1:500 @ A3</b> | Figure:<br><b>2</b>        | Revision:<br><b>A</b> |
| Drawn By:<br><b>AC</b>         | Checked By:<br><b>MT</b>                    | Drawn:<br><b>Sept 2022</b> |                       |

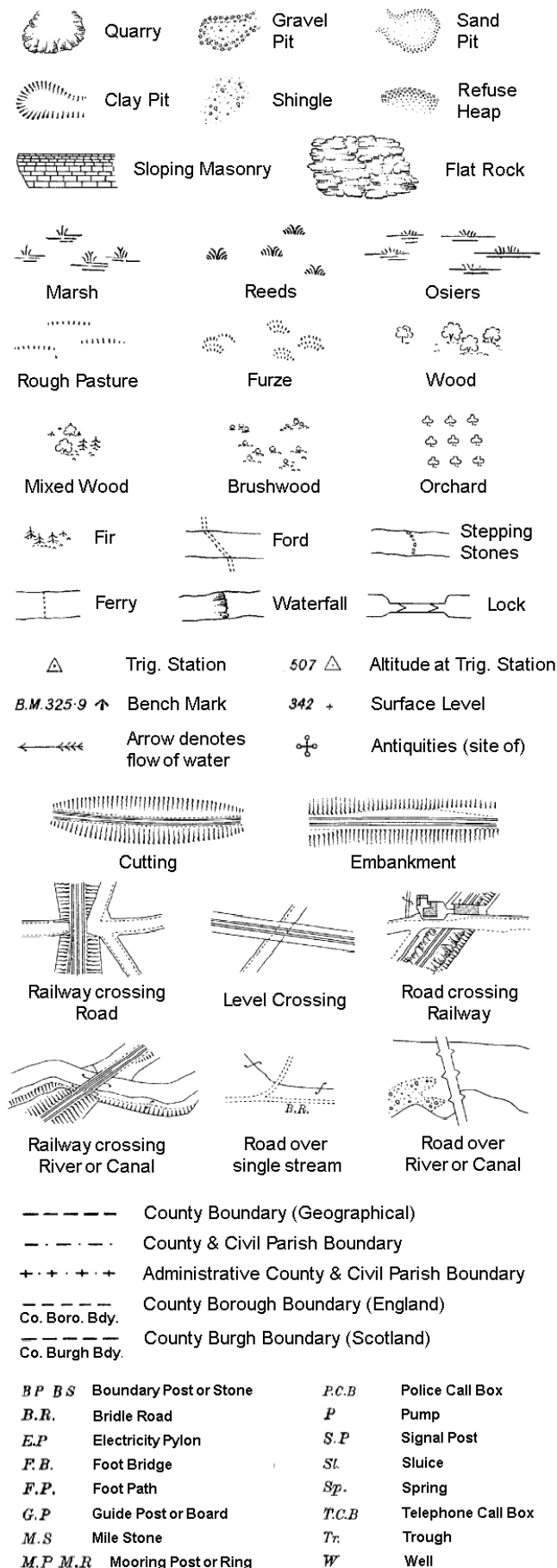
Extract from: Bowker Sadler Architecture  
Drawing Ref: Proposed Site Plan, No.0100, Rev:A (26/05/2021)

# **Appendix A**

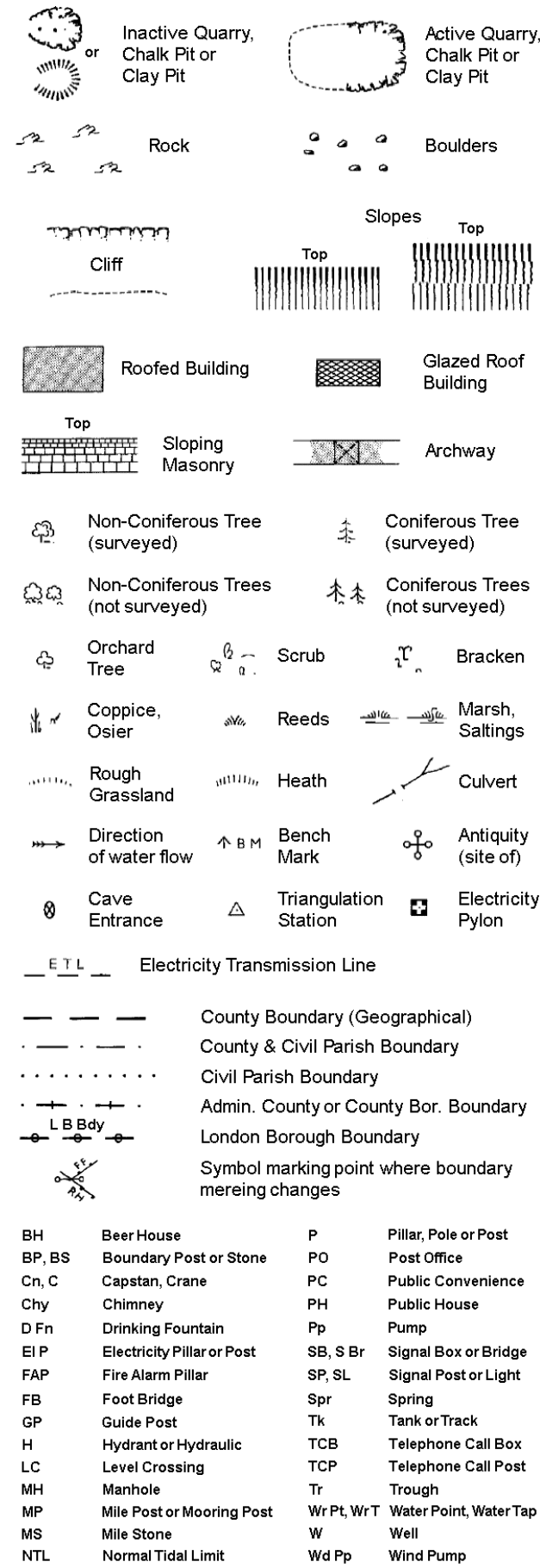
## **Historical Maps**

# Historical Mapping Legends

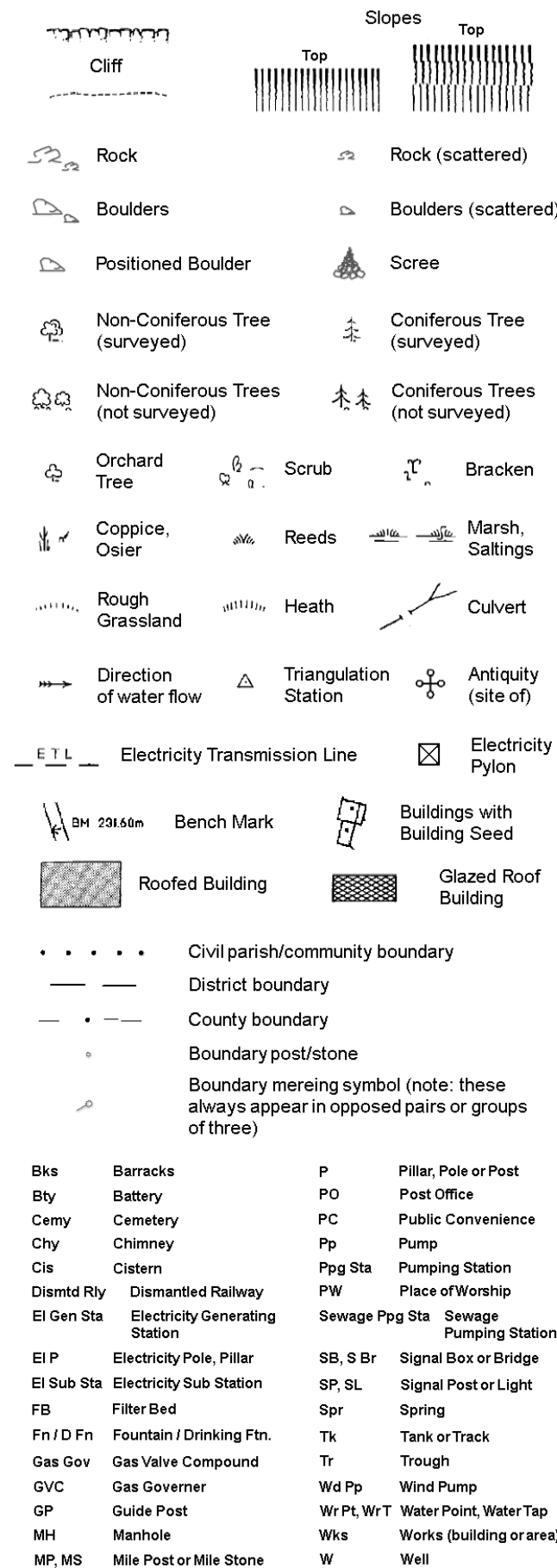
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



## Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250

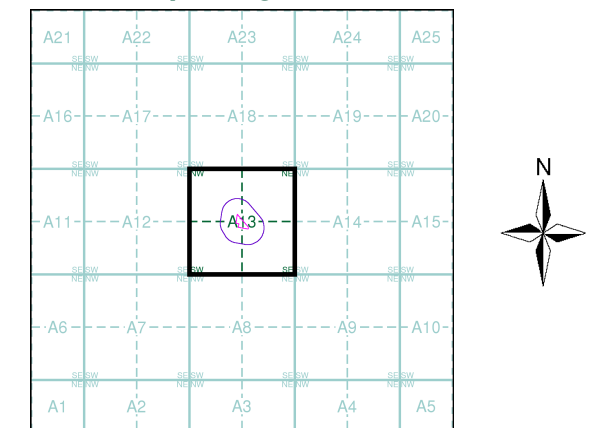


## Large-Scale National Grid Data 1:2,500 and 1:1,250



| Mapping Type                             | Scale   | Date        | Pg |
|------------------------------------------|---------|-------------|----|
| Lancashire And Furness                   | 1:2,500 | 1893        | 2  |
| Lancashire And Furness                   | 1:2,500 | 1909        | 3  |
| Lancashire And Furness                   | 1:2,500 | 1932        | 4  |
| Ordnance Survey Plan                     | 1:1,250 | 1951 - 1952 | 5  |
| Ordnance Survey Plan                     | 1:2,500 | 1952        | 6  |
| Ordnance Survey Plan                     | 1:2,500 | 1955 - 1967 | 7  |
| Ordnance Survey Plan                     | 1:1,250 | 1963 - 1982 | 8  |
| Supply of Unpublished Survey Information | 1:1,250 | 1974 - 1976 | 9  |
| Additional SIMs                          | 1:1,250 | 1978 - 1988 | 10 |
| Large-Scale National Grid Data           | 1:1,250 | 1992        | 11 |
| Large-Scale National Grid Data           | 1:1,250 | 1995        | 12 |
| Historical Aerial Photography            | 1:2,500 | 2000        | 13 |

## Historical Map - Segment A13



## Order Details

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Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
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Site Area (Ha): 0.35  
Search Buffer (m): 100

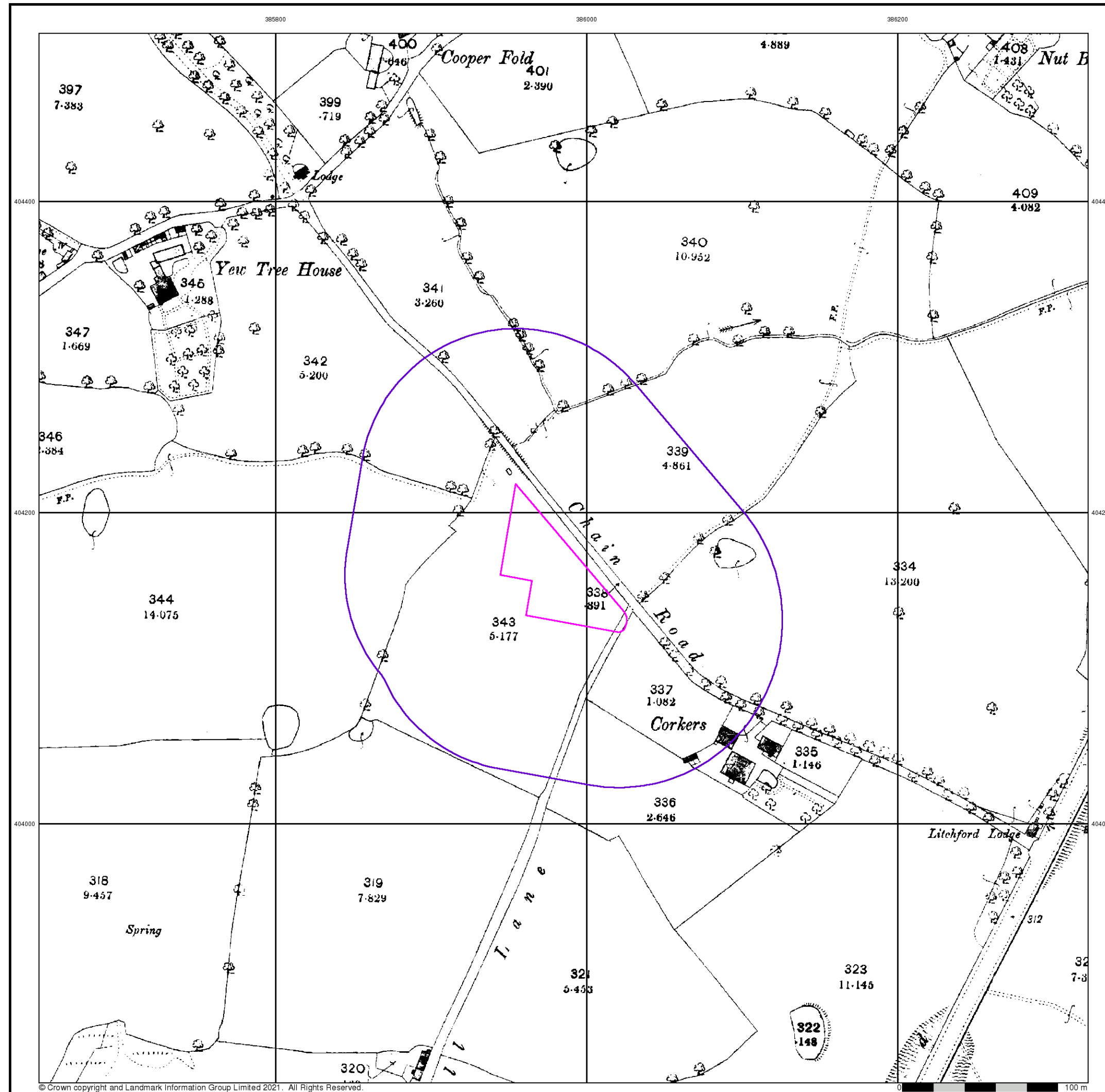
## Site Details

Chain Road, MANCHESTER, M9 6QX



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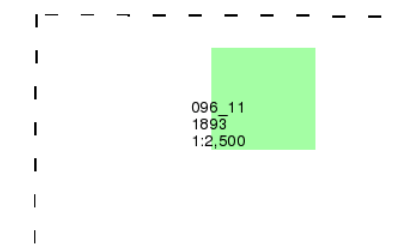
## Lancashire And Furness

### Published 1893

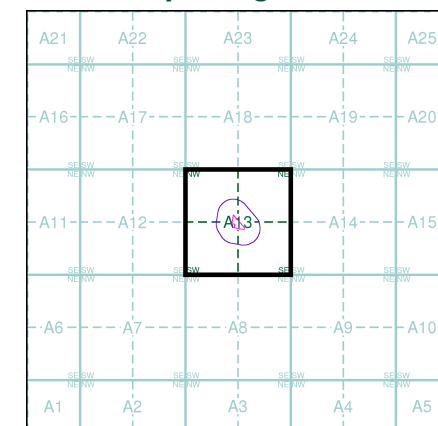
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

#### Map Name(s) and Date(s)



#### Historical Map - Segment A13



#### Order Details

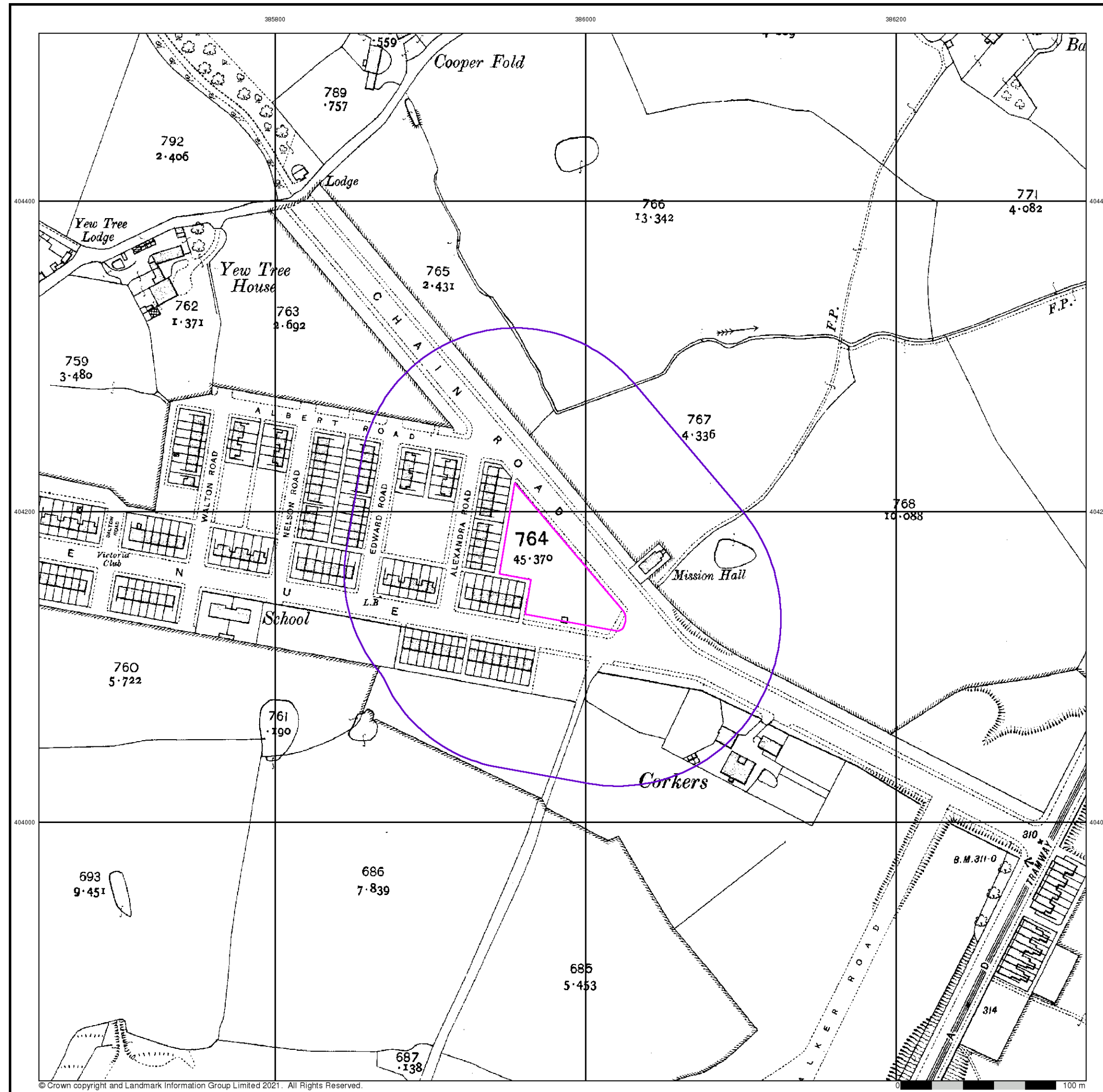
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Site Area (Ha): 0.35  
Search Buffer (m): 100

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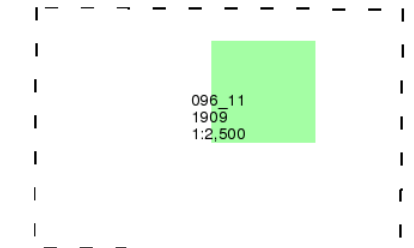
Lancashire And Furness

Published 1909

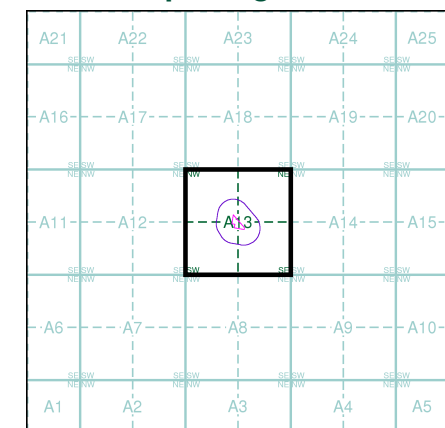
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Map Name(s) and Date(s)



Historical Map - Segment A13



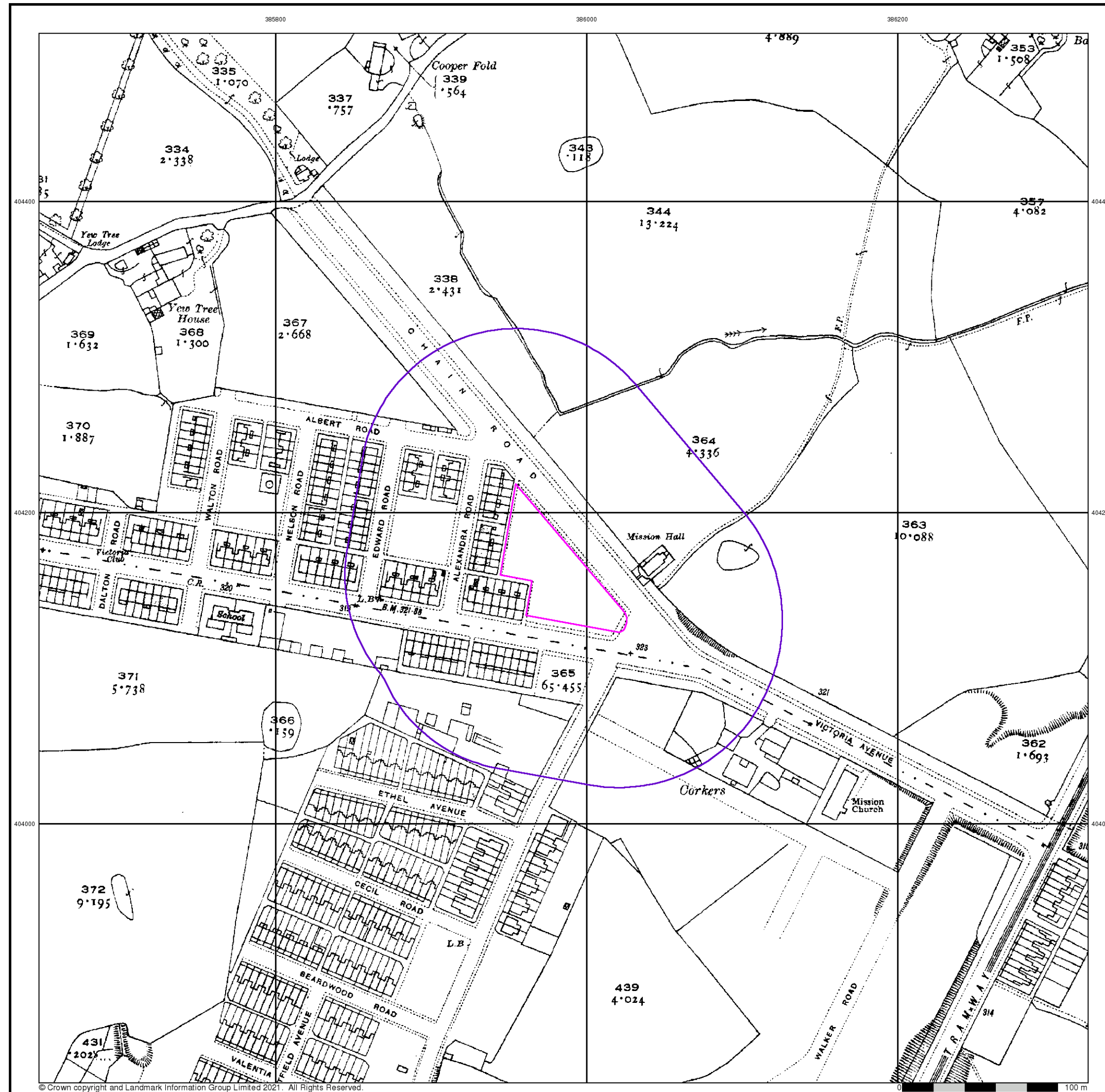
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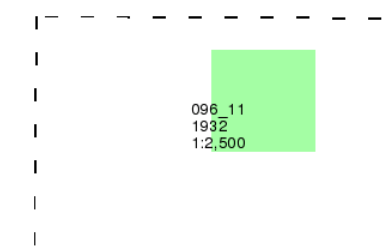
## Lancashire And Furness

### Published 1932

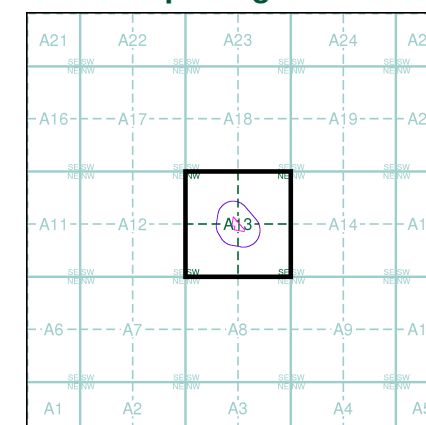
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#### Map Name(s) and Date(s)



#### Historical Map - Segment A13



#### Order Details

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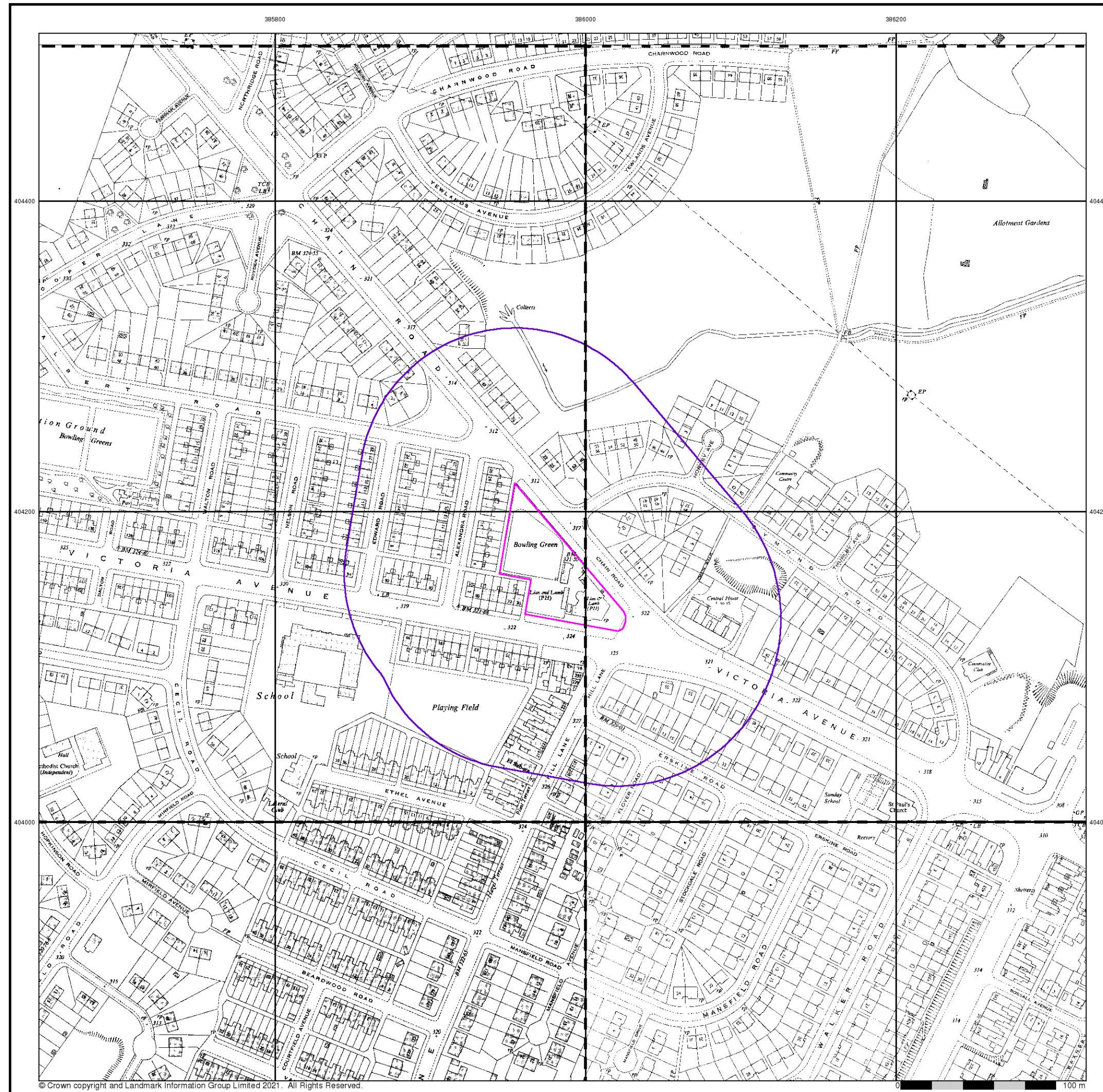
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# Ordnance Survey Plan

Published 1951 - 1952

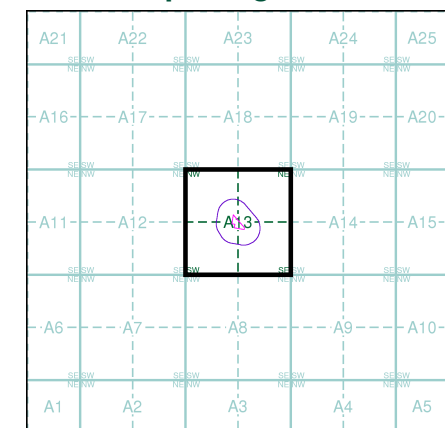
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## Map Name(s) and Date(s)

|          |          |
|----------|----------|
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| 1952     | 1952     |
| 1:1,250  | 1:1,250  |
| SD8504SE | SD8604SW |
| 1952     | 1952     |
| 1:1,250  | 1:1,250  |
| SD8503NE | SD8603NW |
| 1951     | 1952     |
| 1:1,250  | 1:1,250  |

## Historical Map - Segment A13



## Order Details

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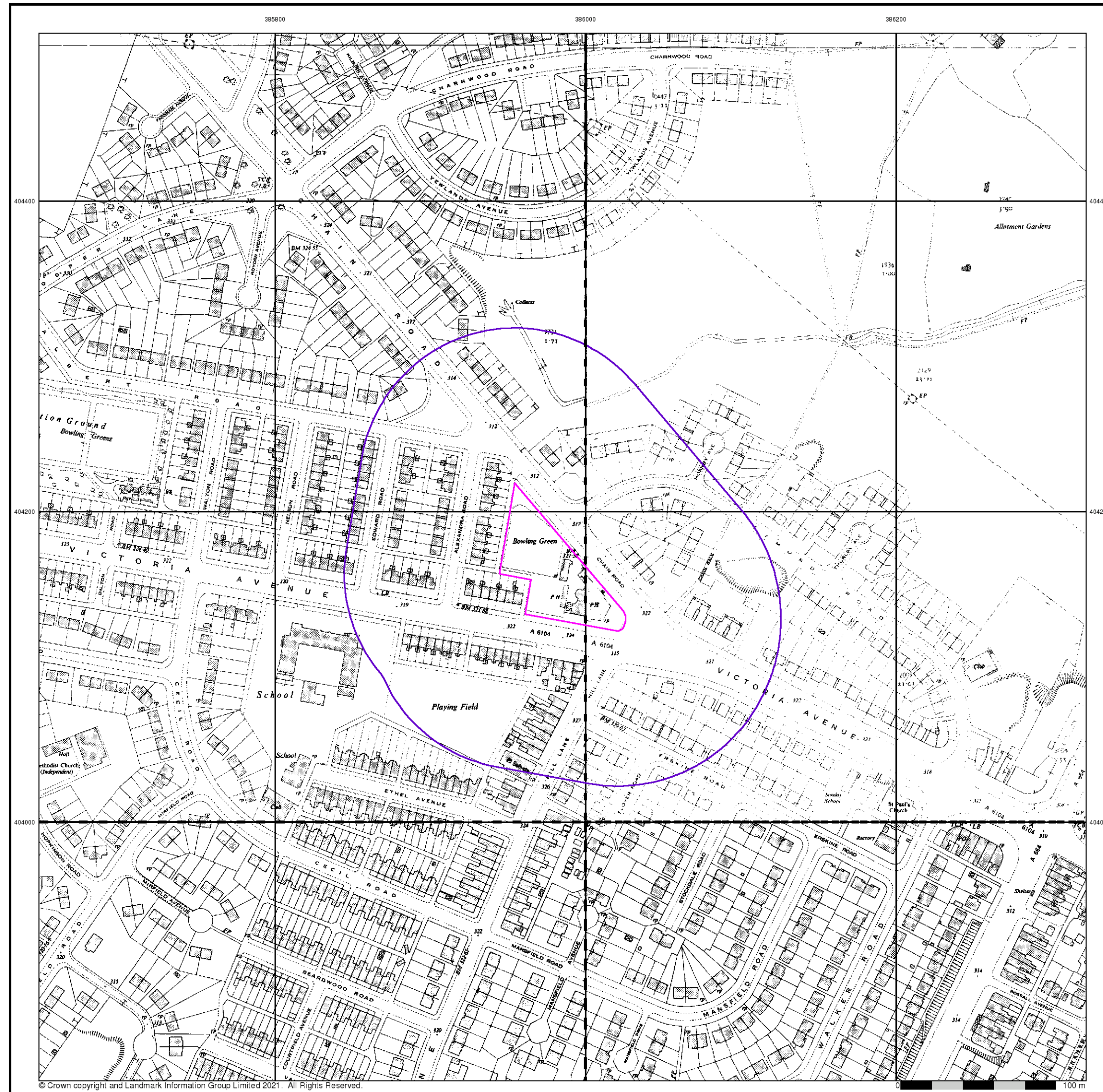
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Ordinance Survey Plan

Published 1952

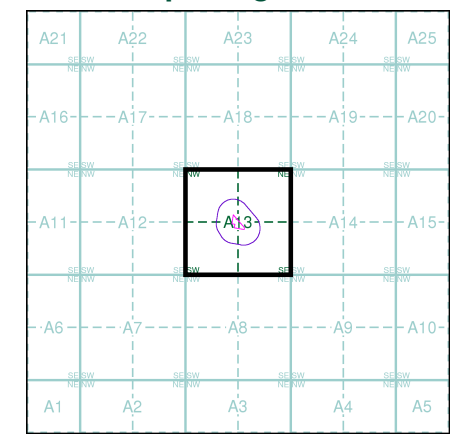
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Map Name(s) and Date(s)

|        |        |
|--------|--------|
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| 1952   | 1952   |
| 12,500 | 12,500 |

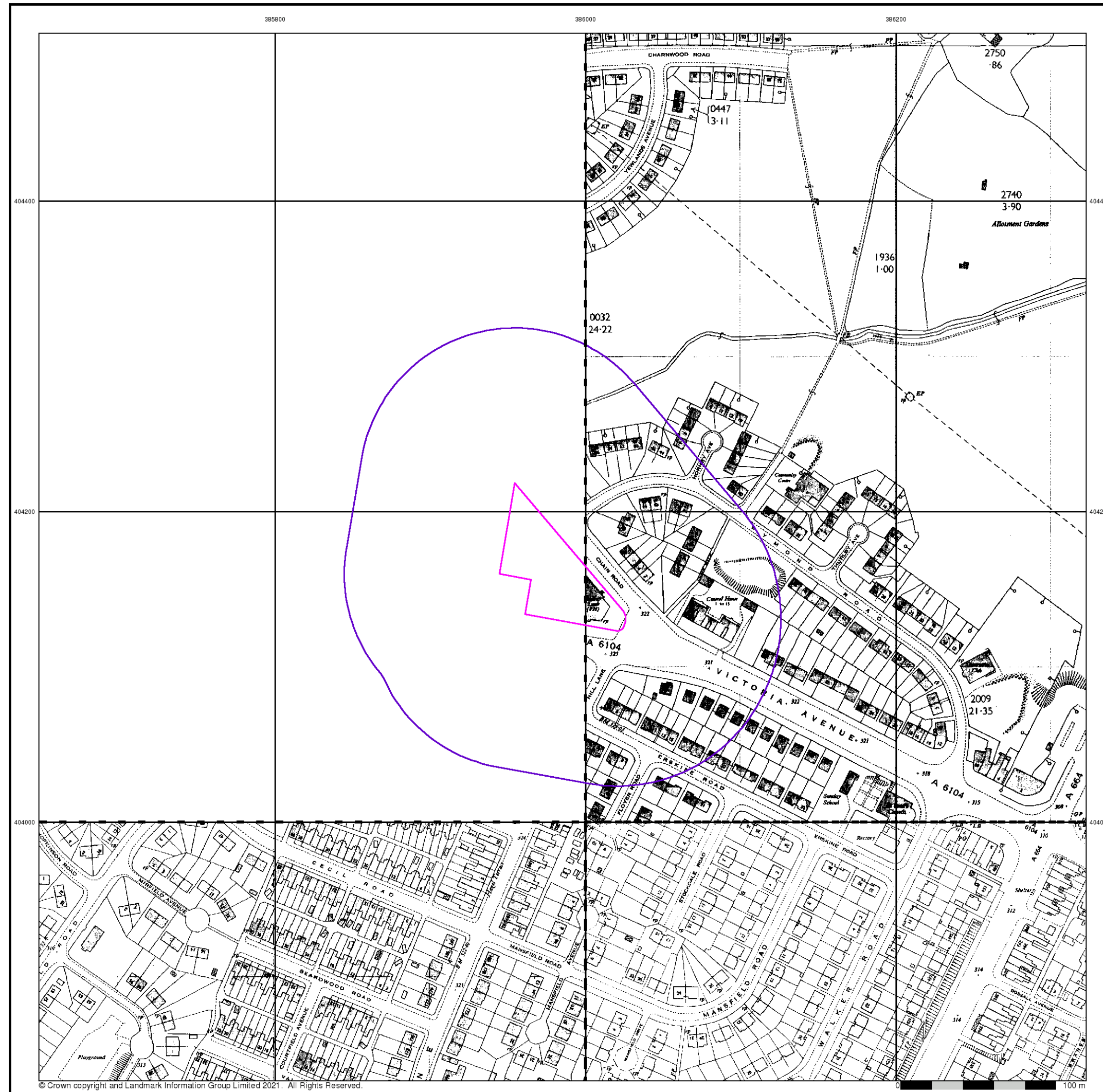
Historical Map - Segment A13



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Slice: A  
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Search Buffer (m): 100

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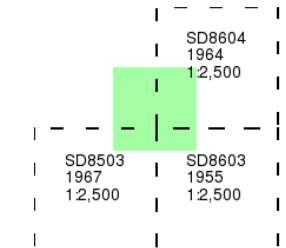
## Ordinance Survey Plan

Published 1955 - 1967

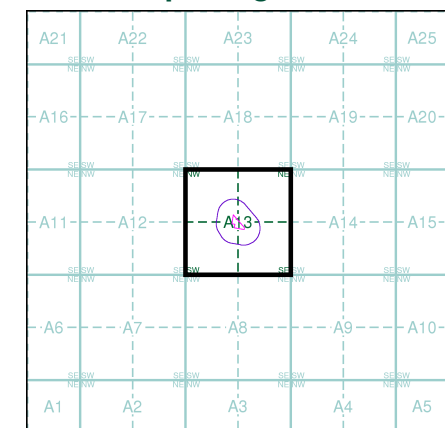
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 100

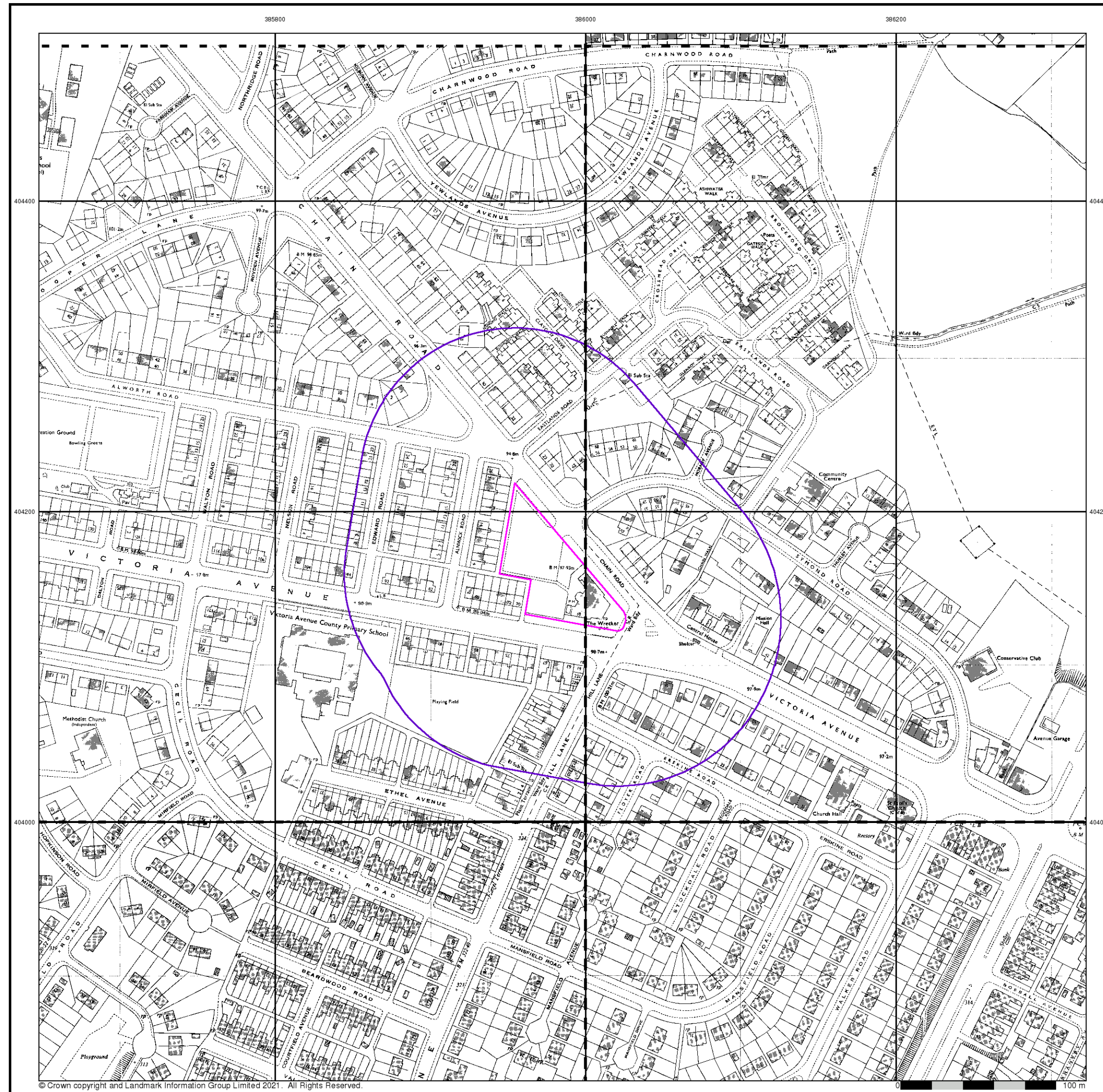
### Site Details

Chain Road, MANCHESTER, M9 6QX



Tel: 0844 844 9952  
Fax: 0844 844 9951  
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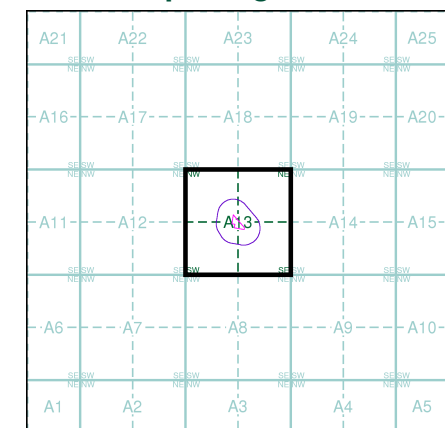
**Ordnance Survey Plan**  
**Published 1963 - 1982**  
**Source map scale - 1:1,250**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

**Map Name(s) and Date(s)**

|          |      |         |
|----------|------|---------|
| SD8604NM | 1972 | 1:1,250 |
| SD8504SE | 1975 | 1:1,250 |
| SD8503NE | 1967 | 1:1,250 |

**Historical Map - Segment A13**



**Order Details**

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 100

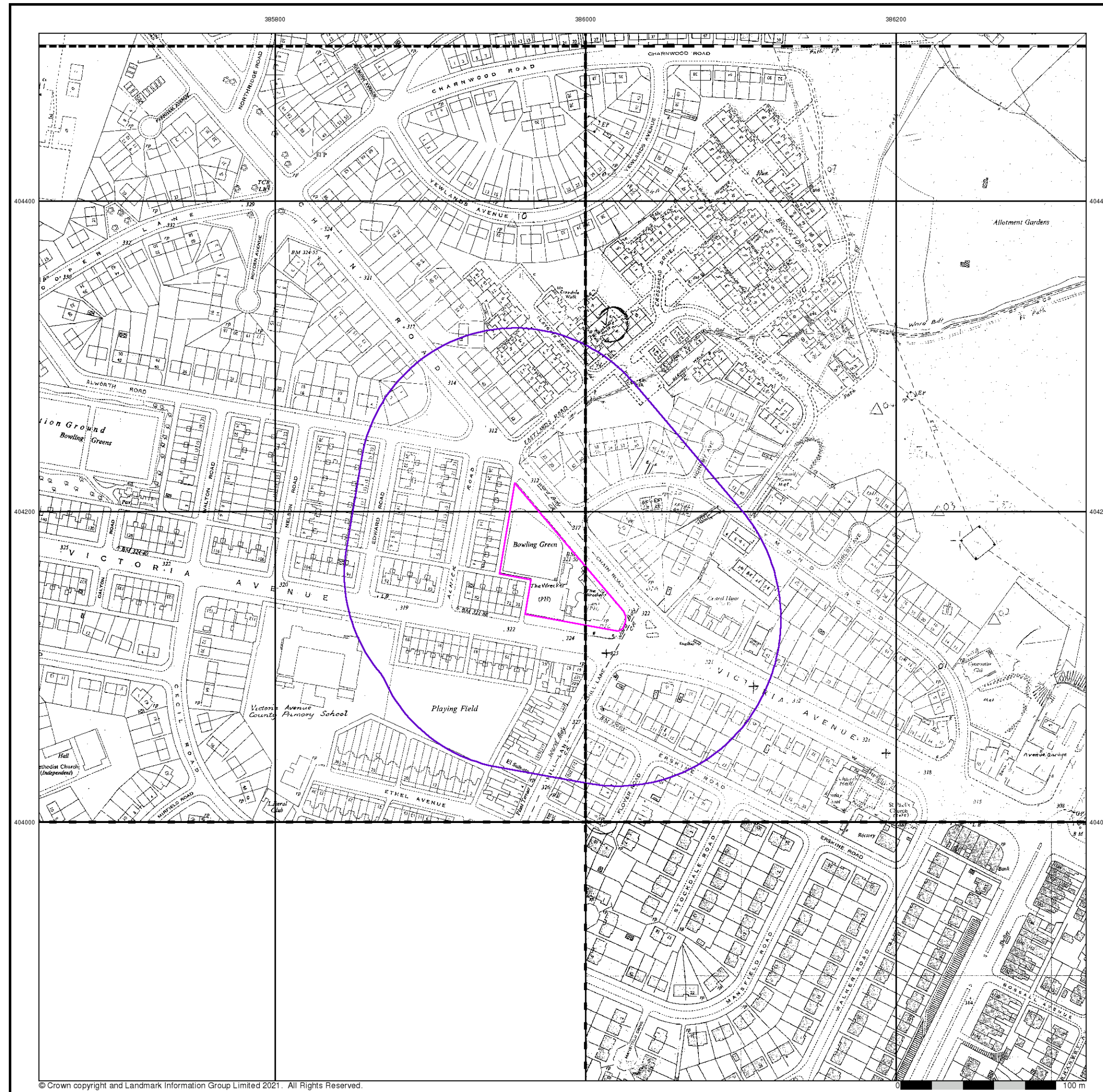
**Site Details**

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LK GROUP

Supply of Unpublished Survey Information

Published 1974 - 1976

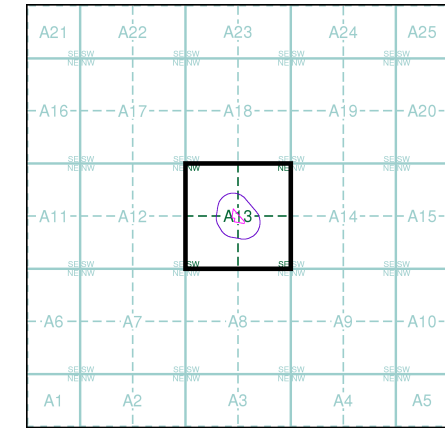
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

|          |          |
|----------|----------|
| SD8504NE | SD8604NW |
| 1974     | 1975     |
| 1:1,250  | 1:1,250  |
| SD8504SE | SD8604SW |
| 1976     | 1975     |
| 1:1,250  | 1:1,250  |
| SD8603NW |          |
| 1975     |          |
| 1:1,250  |          |

Historical Map - Segment A13



Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 100

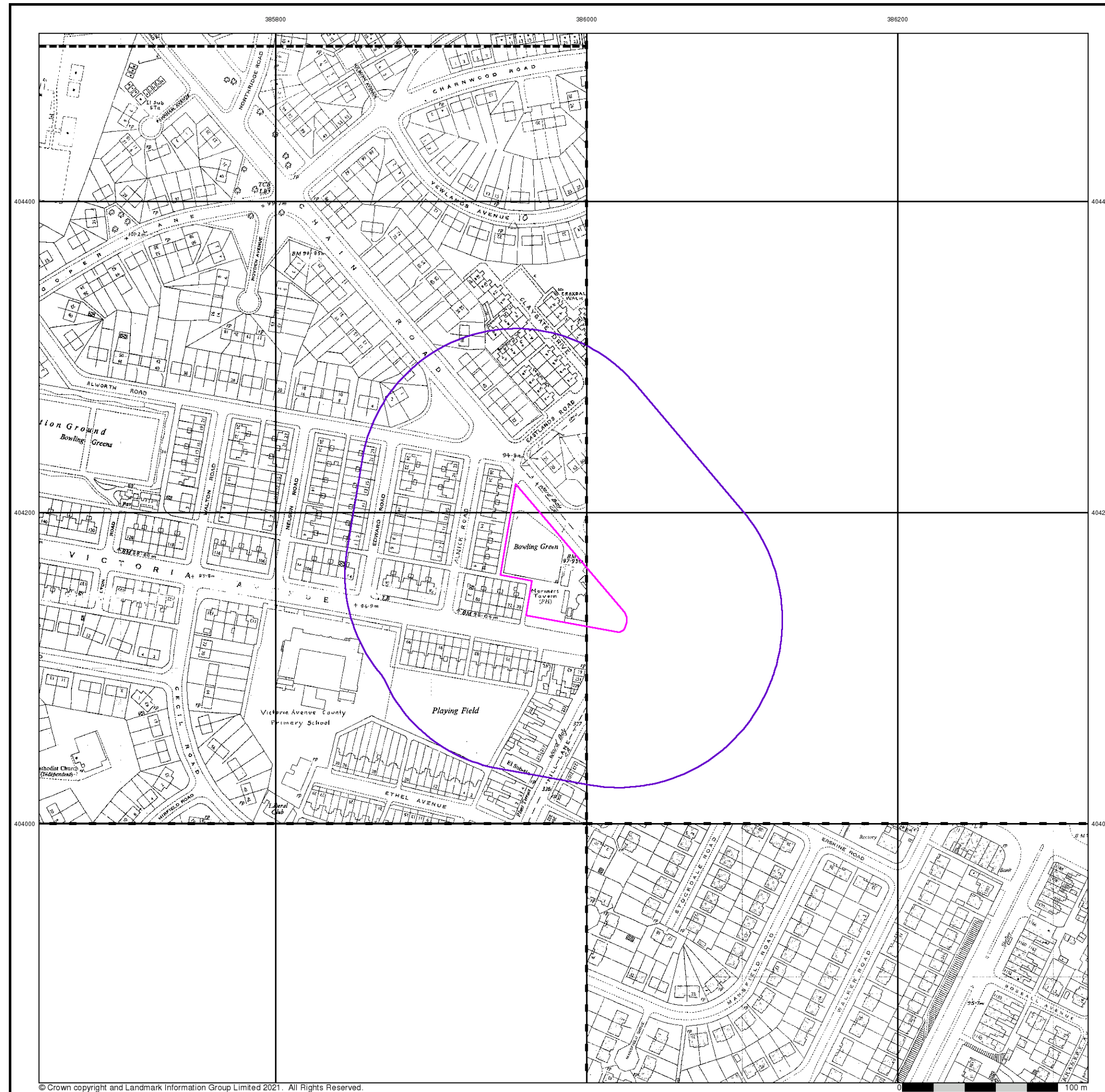
Site Details

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Published 1978 - 1988

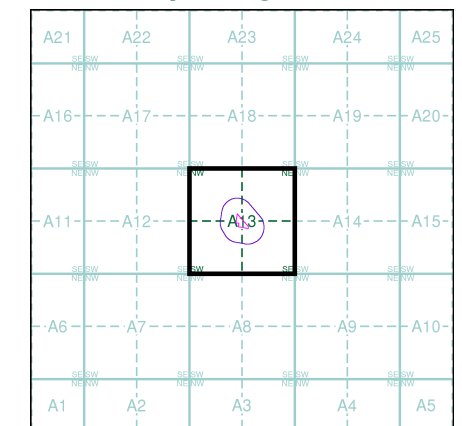
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)

SD8504NE  
1988  
1:1,250  
SD8504SE  
1978  
1:1,250  
SD8603NW  
1980  
1:1,250

### Historical Map - Segment A13



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 100

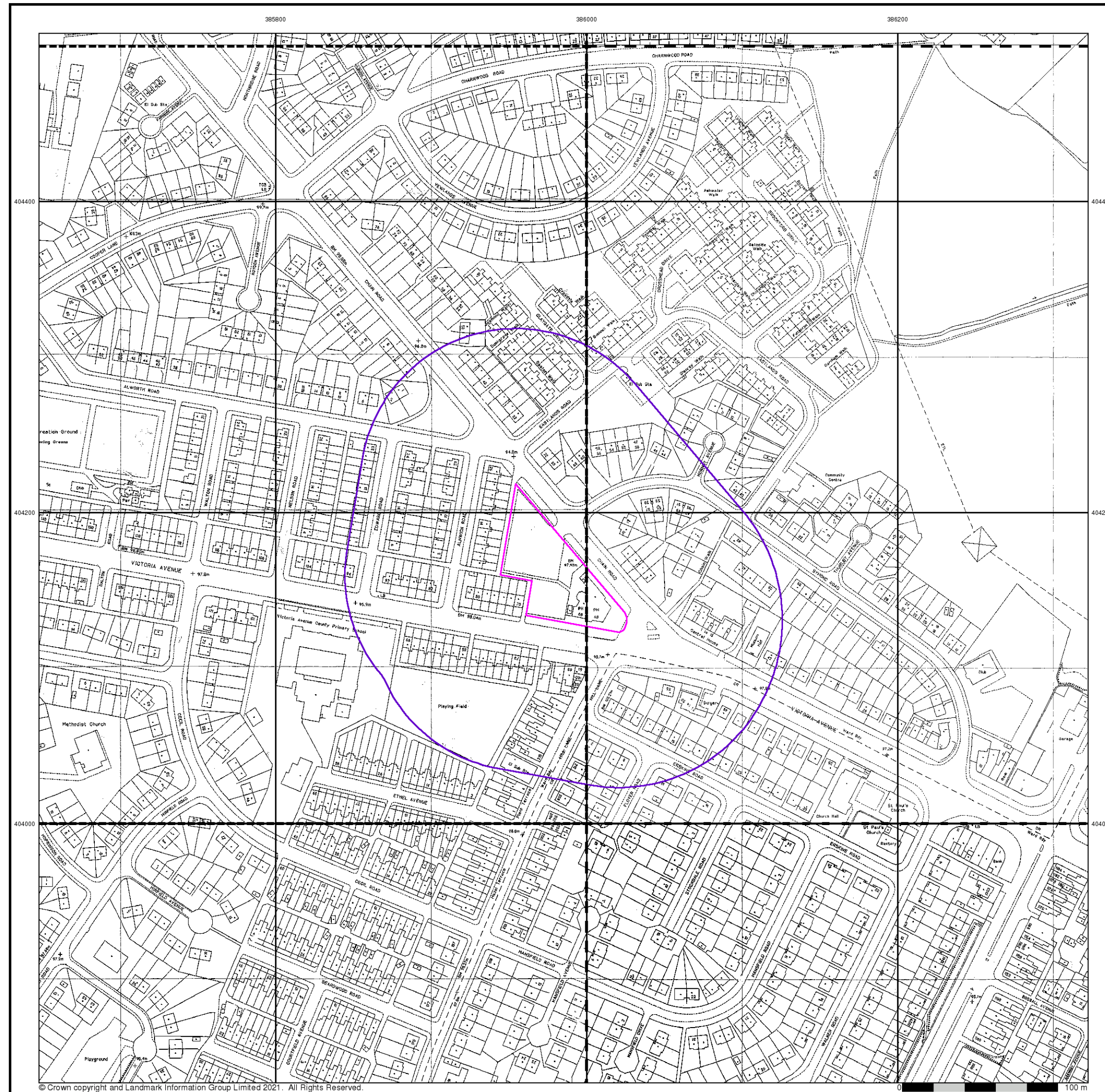
### Site Details

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GROUP

Large-Scale National Grid Data

Published 1992

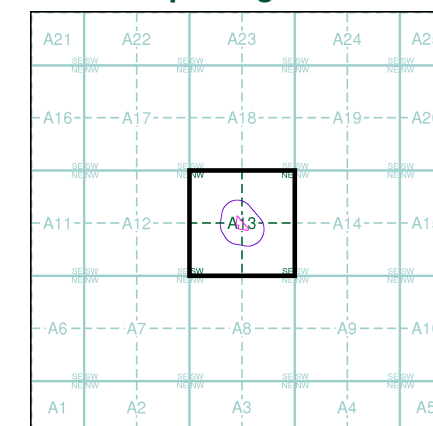
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

### Map Name(s) and Date(s)

|          |          |
|----------|----------|
| BD8504NE | BD8604NW |
| 1992     | 1992     |
| 1:1,250  | 1:1,250  |
| BD8504SE | BD8604SW |
| 1992     | 1992     |
| 1:1,250  | 1:1,250  |
| BD8503NE | BD8603NW |
| 1992     | 1992     |
| 1:1,250  | 1:1,250  |

### Historical Map - Segment A13



### Order Details

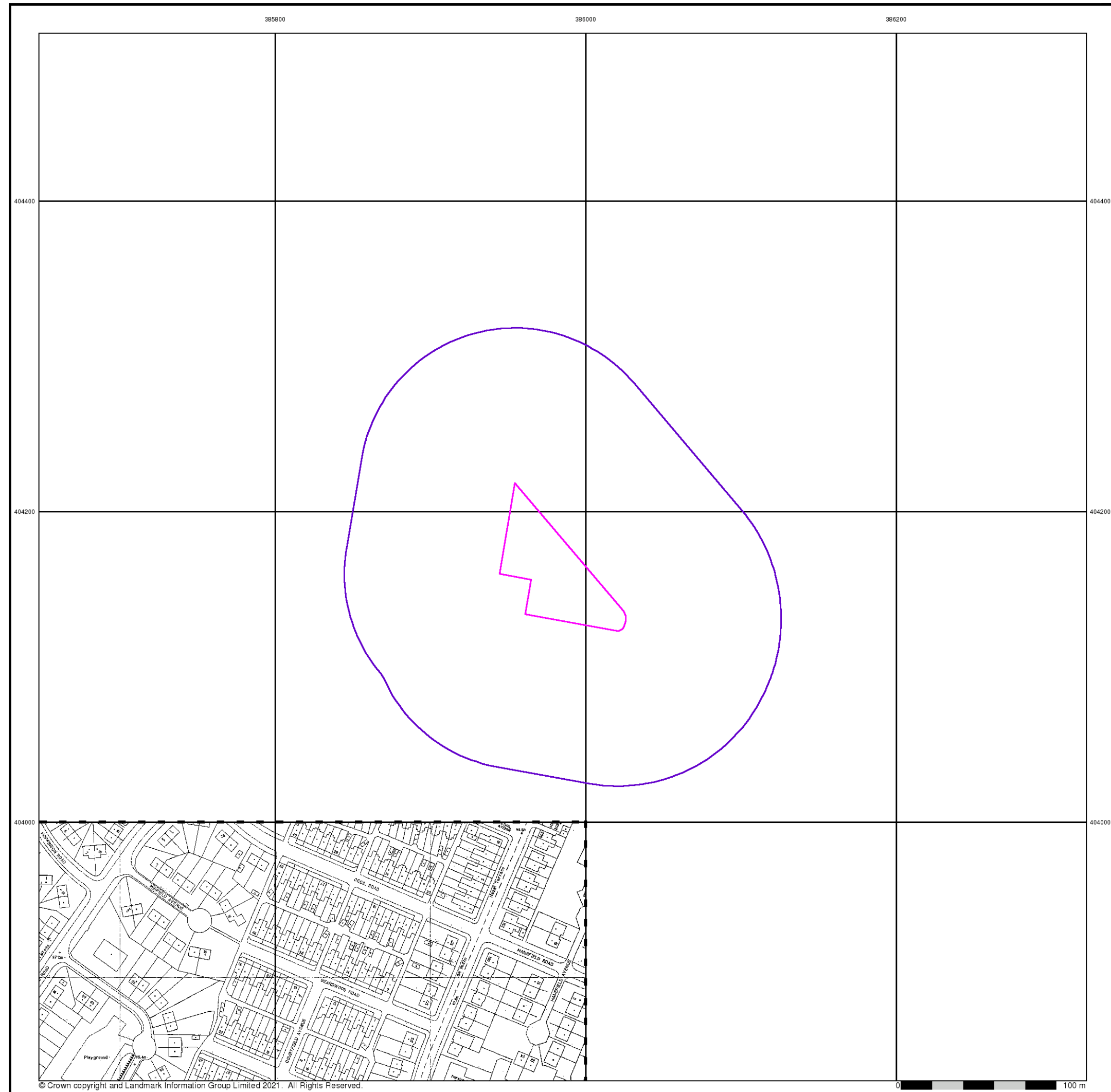
Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 100

### Site Details

Chain Road, MANCHESTER, M9 6QX



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LK

GROUP

Large-Scale National Grid Data

Published 1995

Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD8503NE  
1995  
1:1,250

Historical Map - Segment A13

|     |     |     |     |     |
|-----|-----|-----|-----|-----|
| A21 | A22 | A23 | A24 | A25 |
| A16 | A17 | A18 | A19 | A20 |
| A11 | A12 | A13 | A14 | A15 |
| A6  | A7  | A8  | A9  | A10 |
| A1  | A2  | A3  | A4  | A5  |

N

Order Details

Order Number:

272603764\_1\_1

Customer Ref:

LKC 21 1026

National Grid Reference:

385980, 404160

Slice:

A

Site Area (Ha):

0.35

Search Buffer (m):

100

Site Details

Chain Road, MANCHESTER, M9 6QX

Landmark

INFORMATION GROUP

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Web:

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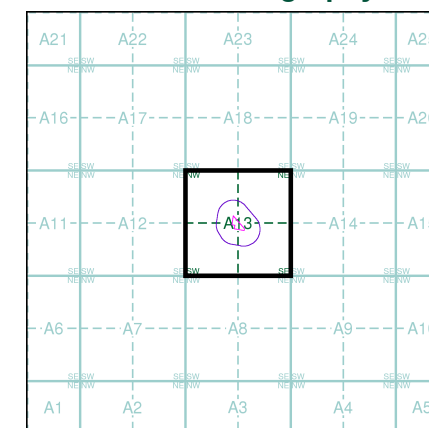
# LK GROUP

## Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

### Historical Aerial Photography - Segment A13



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 100

### Site Details

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# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

|  |                                               |  |                             |  |               |
|--|-----------------------------------------------|--|-----------------------------|--|---------------|
|  | Gravel Pit                                    |  | Sand Pit                    |  | Other Pits    |
|  | Quarry                                        |  | Shingle                     |  | Orchard       |
|  | Osiers                                        |  | Reeds                       |  | Marsh         |
|  | Mixed Wood                                    |  | Deciduous                   |  | Brushwood     |
|  | Fir                                           |  | Furze                       |  | Rough Pasture |
|  | Arrow denotes flow of water                   |  | Trigonometrical Station     |  |               |
|  | Site of Antiquities                           |  | Bench Mark                  |  |               |
|  | Pump, Guide Post, Signal Post                 |  | Well, Spring, Boundary Post |  |               |
|  | •285 Surface Level                            |  |                             |  |               |
|  | Sketched Contour                              |  | Instrumental Contour        |  |               |
|  | Main Roads                                    |  | Minor Roads                 |  |               |
|  | Sunken Road                                   |  | Raised Road                 |  |               |
|  | Road over Railway                             |  | Railway over River          |  |               |
|  | Railway over Road                             |  | Level Crossing              |  |               |
|  | Road over River or Canal                      |  | Road over Stream            |  |               |
|  | Road over Stream                              |  |                             |  |               |
|  | County Boundary (Geographical)                |  |                             |  |               |
|  | County & Civil Parish Boundary                |  |                             |  |               |
|  | Administrative County & Civil Parish Boundary |  |                             |  |               |
|  | County Borough Boundary (England)             |  |                             |  |               |
|  | County Burgh Boundary (Scotland)              |  |                             |  |               |
|  | Rural District Boundary                       |  |                             |  |               |
|  | Civil Parish Boundary                         |  |                             |  |               |

## Ordnance Survey Plan 1:10,000

|  |                                                                       |  |                                                         |
|--|-----------------------------------------------------------------------|--|---------------------------------------------------------|
|  | Chalk Pit, Clay Pit or Quarry                                         |  | Gravel Pit                                              |
|  | Sand Pit                                                              |  | Disused Pit or Quarry                                   |
|  | Refuse or Slag Heap                                                   |  | Lake, Loch or Pond                                      |
|  | Dunes                                                                 |  | Boulders                                                |
|  | Coniferous Trees                                                      |  | Non-Coniferous Trees                                    |
|  | Orchard                                                               |  | Scrub                                                   |
|  | Bracken                                                               |  | Heath                                                   |
|  | Marsh                                                                 |  | Reeds                                                   |
|  | Building                                                              |  | Glasshouse                                              |
|  | Sloping Masonry                                                       |  | Pylon                                                   |
|  | Cutting                                                               |  | Embankment                                              |
|  | Road Under                                                            |  | Road Over                                               |
|  | Level Crossing                                                        |  | Foot Bridge                                             |
|  | Standard Gauge Multiple Track                                         |  | Standard Gauge Single Track                             |
|  | Siding, Tramway or Mineral Line                                       |  | Narrow Gauge                                            |
|  | Geographical County                                                   |  | Administrative County, County Borough or County of City |
|  | Municipal Borough, Urban or Rural District, Burgh or District Council |  | Borough, Burgh or County Constituency                   |
|  | Civil Parish                                                          |  |                                                         |
|  | BP, BS Boundary Post or Stone                                         |  | Police Station                                          |
|  | Church                                                                |  | Post Office                                             |
|  | Club House                                                            |  | Public Convenience                                      |
|  | Fire Engine Station                                                   |  | Public House                                            |
|  | Foot Bridge                                                           |  | Signal Box                                              |
|  | Fountain                                                              |  | Spring                                                  |
|  | Guide Post                                                            |  | Telephone Call Box                                      |
|  | Mile Post                                                             |  | Telephone Call Post                                     |
|  | Mile Stone                                                            |  | Well                                                    |

## 1:10,000 Raster Mapping

|  |                                                          |  |                                            |
|--|----------------------------------------------------------|--|--------------------------------------------|
|  | Gravel Pit                                               |  | Refuse tip or slag heap                    |
|  | Rock                                                     |  | Rock (scattered)                           |
|  | Boulders                                                 |  | Boulders (scattered)                       |
|  | Shingle                                                  |  | Mud                                        |
|  | Sand                                                     |  | Sand Pit                                   |
|  | Slopes                                                   |  | Top of cliff                               |
|  | General detail                                           |  | Underground detail                         |
|  | Overhead detail                                          |  | Narrow gauge railway                       |
|  | Multi-track railway                                      |  | Single track railway                       |
|  | County boundary (England only)                           |  | Civil, parish or community boundary        |
|  | District, Unitary, Metropolitan, London Borough boundary |  | Constituency boundary                      |
|  | Area of wooded vegetation                                |  | Non-coniferous trees                       |
|  | Non-coniferous trees (scattered)                         |  | Coniferous trees                           |
|  | Coniferous trees (scattered)                             |  | Positioned tree                            |
|  | Orchard                                                  |  | Coppice or Osiers                          |
|  | Rough Grassland                                          |  | Heath                                      |
|  | Scrub                                                    |  | Marsh, Salt Marsh or Reeds                 |
|  | Water feature                                            |  | Flow arrows                                |
|  | Mean high water (springs)                                |  | Mean low water (springs)                   |
|  | Telephone line (where shown)                             |  | Electricity transmission line (with poles) |
|  | Bench mark (where shown)                                 |  | Triangulation station                      |
|  | Point feature (e.g. Guide Post or Mile Stone)            |  | Pylon, flare stack or lighting tower       |
|  | Site of (antiquity)                                      |  | Glasshouse                                 |
|  | General Building                                         |  | Important Building                         |

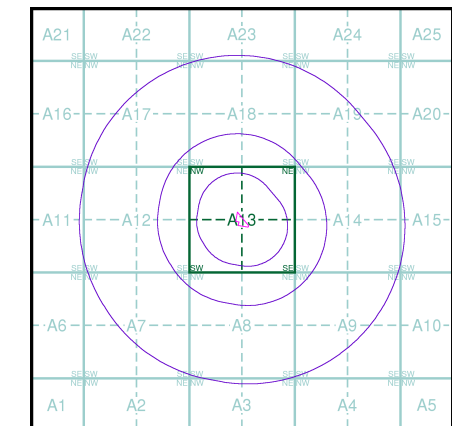


GROUP

Historical Mapping & Photography included:

| Mapping Type           | Scale    | Date        | Pg |
|------------------------|----------|-------------|----|
| Lancashire And Furness | 1:10,560 | 1848        | 3  |
| Lancashire And Furness | 1:10,560 | 1894        | 4  |
| Lancashire And Furness | 1:10,560 | 1910        | 5  |
| Lancashire And Furness | 1:10,560 | 1923        | 6  |
| Lancashire And Furness | 1:10,560 | 1932 - 1933 | 7  |
| Lancashire And Furness | 1:10,560 | 1938        | 8  |
| Ordnance Survey Plan   | 1:10,000 | 1955 - 1956 | 9  |
| Ordnance Survey Plan   | 1:10,000 | 1965 - 1968 | 10 |
| Ordnance Survey Plan   | 1:10,000 | 1974 - 1979 | 11 |
| Manchester             | 1:25,000 | 1975        | 12 |
| Ordnance Survey Plan   | 1:10,000 | 1982 - 1986 | 13 |
| Ordnance Survey Plan   | 1:10,000 | 1990        | 14 |
| 10K Raster Mapping     | 1:10,000 | 1999        | 15 |
| 10K Raster Mapping     | 1:10,000 | 2006        | 16 |
| VectorMap Local        | 1:10,000 | 2020        | 17 |

## Historical Map - Slice A



## Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

## Site Details

Chain Road, MANCHESTER, M9 6QX

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Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale    b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Fireproof Building

Prominent Fireproof Building

Non-fireproof Building

Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys

Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale

Hydroelectric Power Station

Radio Station, drawn to scale

Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry

Open-pit Salt Mine

Pit

Oil Deposit or Well

Oil Seepage

Tailings Pile

Fuel Storage Tanks

Natural Gas Tank

Bench Mark

Drill Hole

Burial Mound

Triangulation Point on Burial Mound

Single-track Railroad

Double-track Railroad

Railroad and Station Building

Coniferous Forest

Deciduous Forest

Mixed Forest

Lawns

Citrus Orchard

Wet Ground

Scattered Vegetation

**243.8** Values for prominent elevations  
**186.0** Numbers for spot elevations, depth soundings, contour lines, etc.  
**0.2** Velocity of the current, width of river bed, depth of river  
**180/12** Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

|          |         |          |                |
|----------|---------|----------|----------------|
| А а (A)  | З з (Z) | П п (P)  | Ч ч (CH)       |
| Б б (B)  | И и (I) | Р р (R)  | Ш ш (SH)       |
| В в (V)  | Й й (Y) | С с (S)  | Щ щ (SHCH)     |
| Г г (G)  | К к (K) | Т т (T)  | Ъ (-)          |
| Д д (D)  | Л л (L) | У у (U)  | Ы (Y)          |
| Е е (E)  | М м (M) | Ф ф (F)  | Ь (')          |
| Ё ё (YO) | Н н (N) | Х х (KH) | Э э (E)        |
| Ж ж (ZH) | О о (O) | Ц ц (TS) | Ю ю (YU or IU) |
|          |         |          | Я я (YA or IA) |

1:25,000 mapping

a. Not drawn to scale    b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Partly Demolished Buildings

Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant

Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building

Prominent Industrial Building

Individual Dwelling, Fireproof

Ruins of an Individual Dwelling

Factory or Mill Chimney

Factory or Mill with Chimney

Factory or Mill without Chimney

Mine or Open Pit Mine

Operating Shaft or Mine

Non-Operating Shaft or Mine

Salt Mine

Tailings Pile

Pit

Stone Quarry

Gas Pump or Service Station

Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick

Small Hydroelectric Power Station

Power Station

Transformer Station

Cemetery

Burial Mound (height in metres)

Triangulation Point on Burial Mound

Triangulation Point

Bench Mark

Bench Mark (monumented)

Telegraph Office

Telephone Station

Radio Station

Radio Tower

Airfield or Seaplane Base

Landing Strip

Cut, Fill, Km Post, Plantings

Telegraph/Telephone Lines

Main Highway

Highway under Construction

Improved Dirt Road (former truck road)

Small Bridge, Pipe (Culvert), Tunnel

Double-track Railroad with First Class Station

Dismantled Railroad

Railroad Under Construction

Shore Embankment

River or Ditch with Embankment

Water Gauge

Water Level Mark

Well

Water Reservoir or Rain Water Pit

Spring

Isobath with value

Heavy (Index) Contour Line

Contour Line and Value

Half Contour Line

Spot Elevation Value

Coniferous

Deciduous

Mixed

Scrub

Key to Numbers on Mapping

SD80\_Manchester

| No. | Description        |
|-----|--------------------|
| 165 | Post Office        |
| 209 | Telephone Exchange |

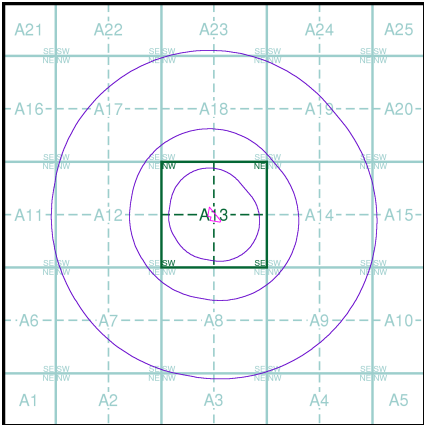


GROUP

Historical Mapping & Photography included:

| Mapping Type           | Scale    | Date        | Pg |
|------------------------|----------|-------------|----|
| Lancashire And Furness | 1:10,560 | 1848        | 3  |
| Lancashire And Furness | 1:10,560 | 1894        | 4  |
| Lancashire And Furness | 1:10,560 | 1910        | 5  |
| Lancashire And Furness | 1:10,560 | 1923        | 6  |
| Lancashire And Furness | 1:10,560 | 1932 - 1933 | 7  |
| Lancashire And Furness | 1:10,560 | 1938        | 8  |
| Ordnance Survey Plan   | 1:10,000 | 1955 - 1956 | 9  |
| Ordnance Survey Plan   | 1:10,000 | 1965 - 1968 | 10 |
| Ordnance Survey Plan   | 1:10,000 | 1974 - 1979 | 11 |
| Manchester             | 1:25,000 | 1975        | 12 |
| Ordnance Survey Plan   | 1:10,000 | 1982 - 1986 | 13 |
| Ordnance Survey Plan   | 1:10,000 | 1990        | 14 |
| 10K Raster Mapping     | 1:10,000 | 1999        | 15 |
| 10K Raster Mapping     | 1:10,000 | 2006        | 16 |
| VectorMap Local        | 1:10,000 | 2020        | 17 |

Russian Map - Slice A



Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

Site Details

Chain Road, MANCHESTER, M9 6QX

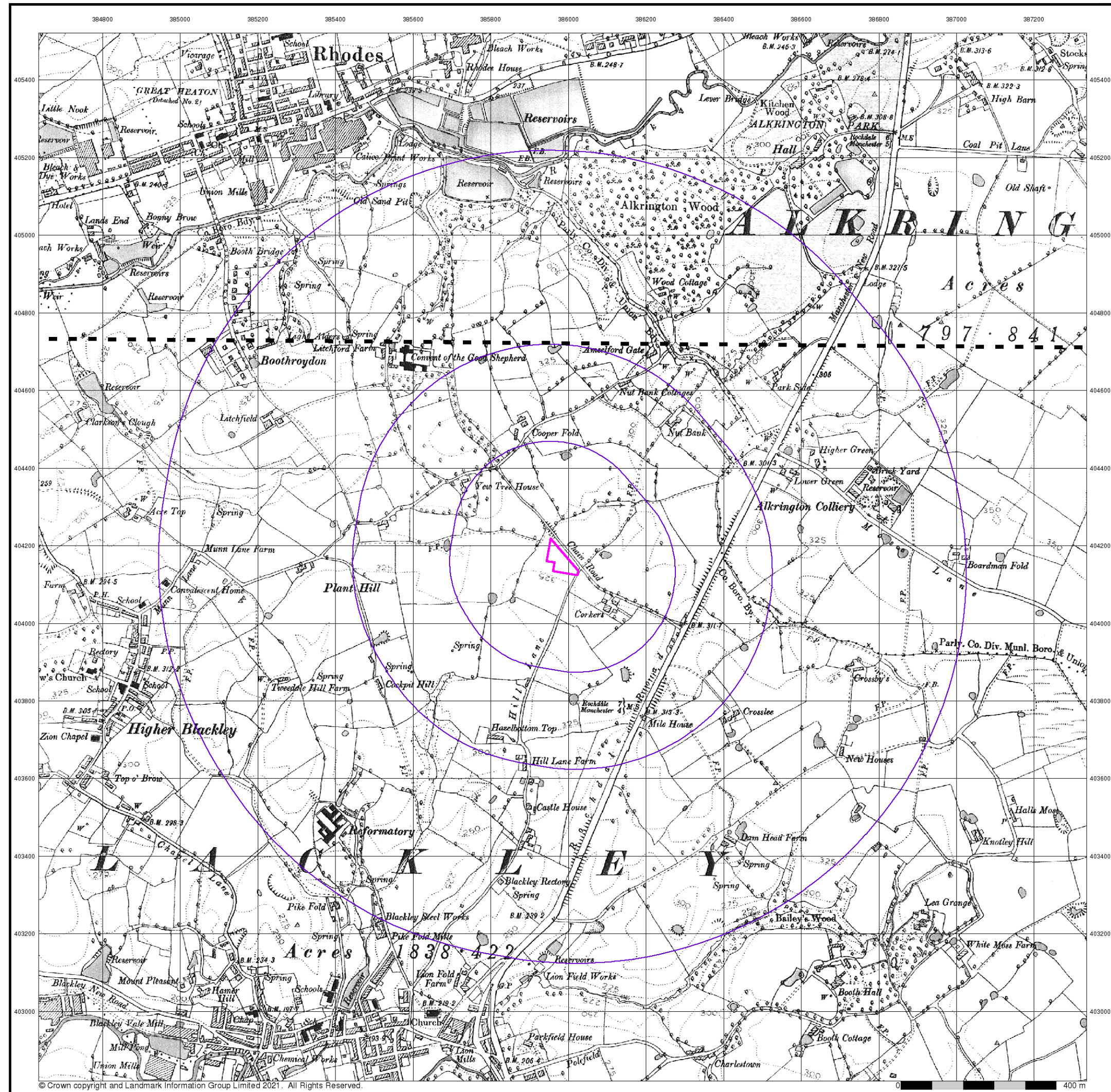
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# LK GROUP

## Lancashire And Furness

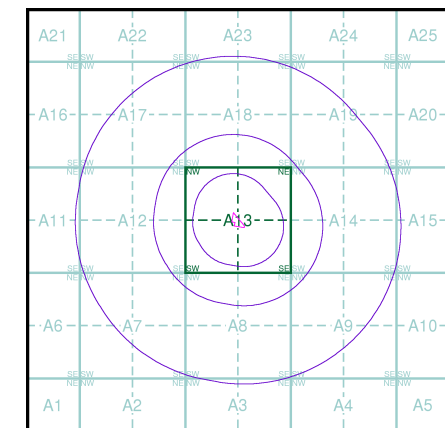
Published 1894  
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)

|          |
|----------|
| 096NE    |
| 1894     |
| 1:10,560 |
| 096SE    |
| 1894     |
| 1:10,560 |

### Historical Map - Slice A



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

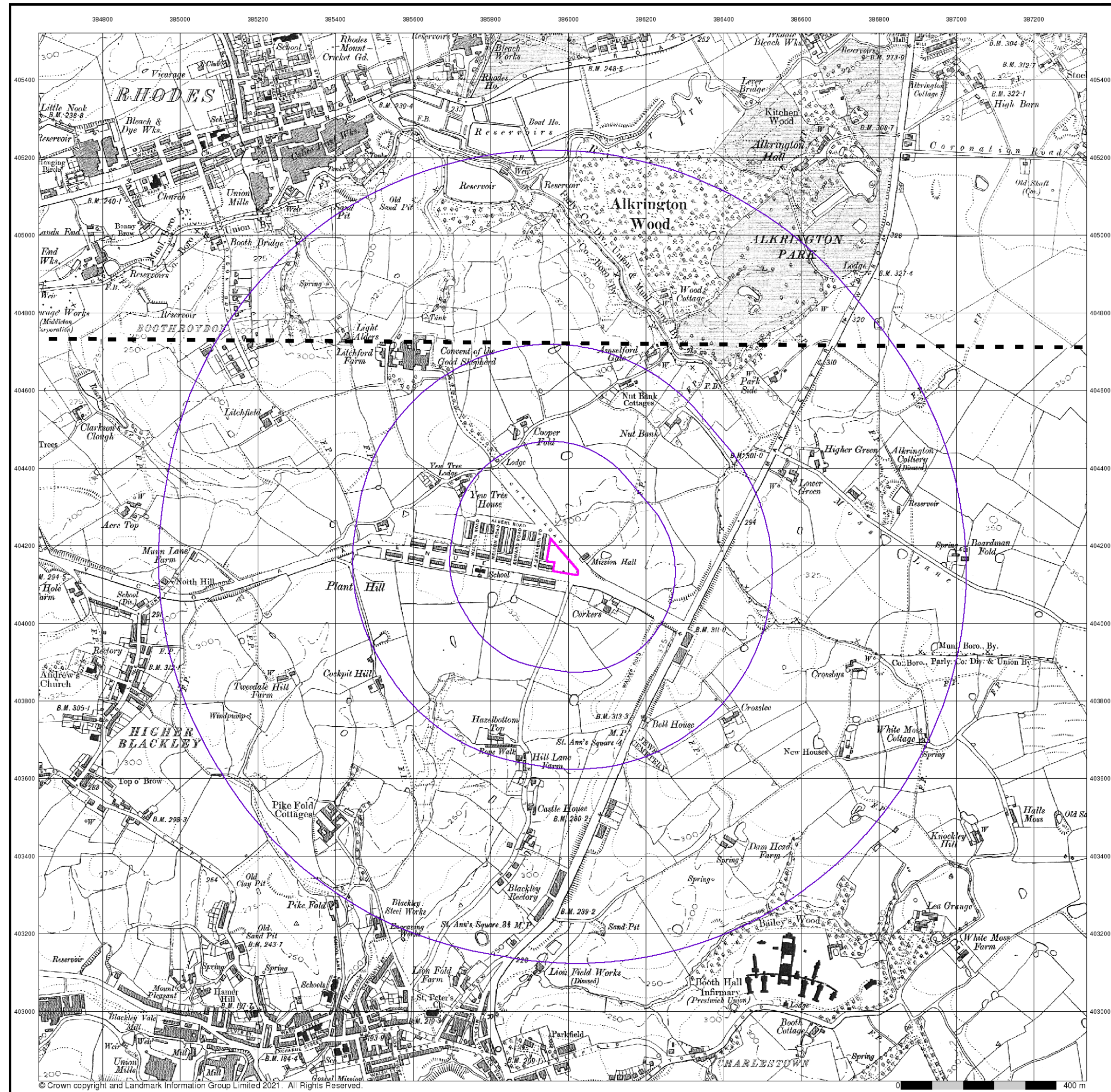
### Site Details

Chain Road, MANCHESTER, M9 6QX

**Landmark**  
INFORMATION GROUP

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Fax: 0844 844 9951  
Web: www.envirocheck.co.uk





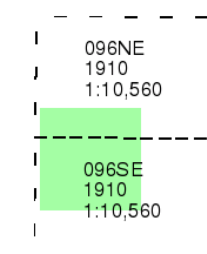
# LK GROUP

## Lancashire And Furness

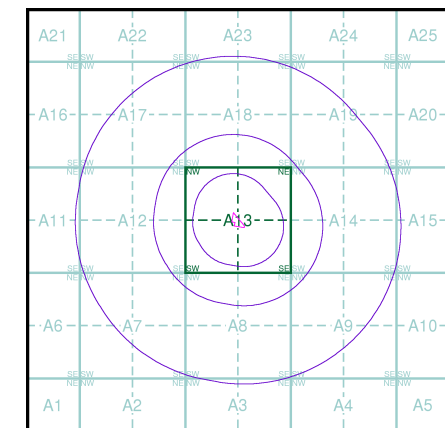
Published 1910  
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)



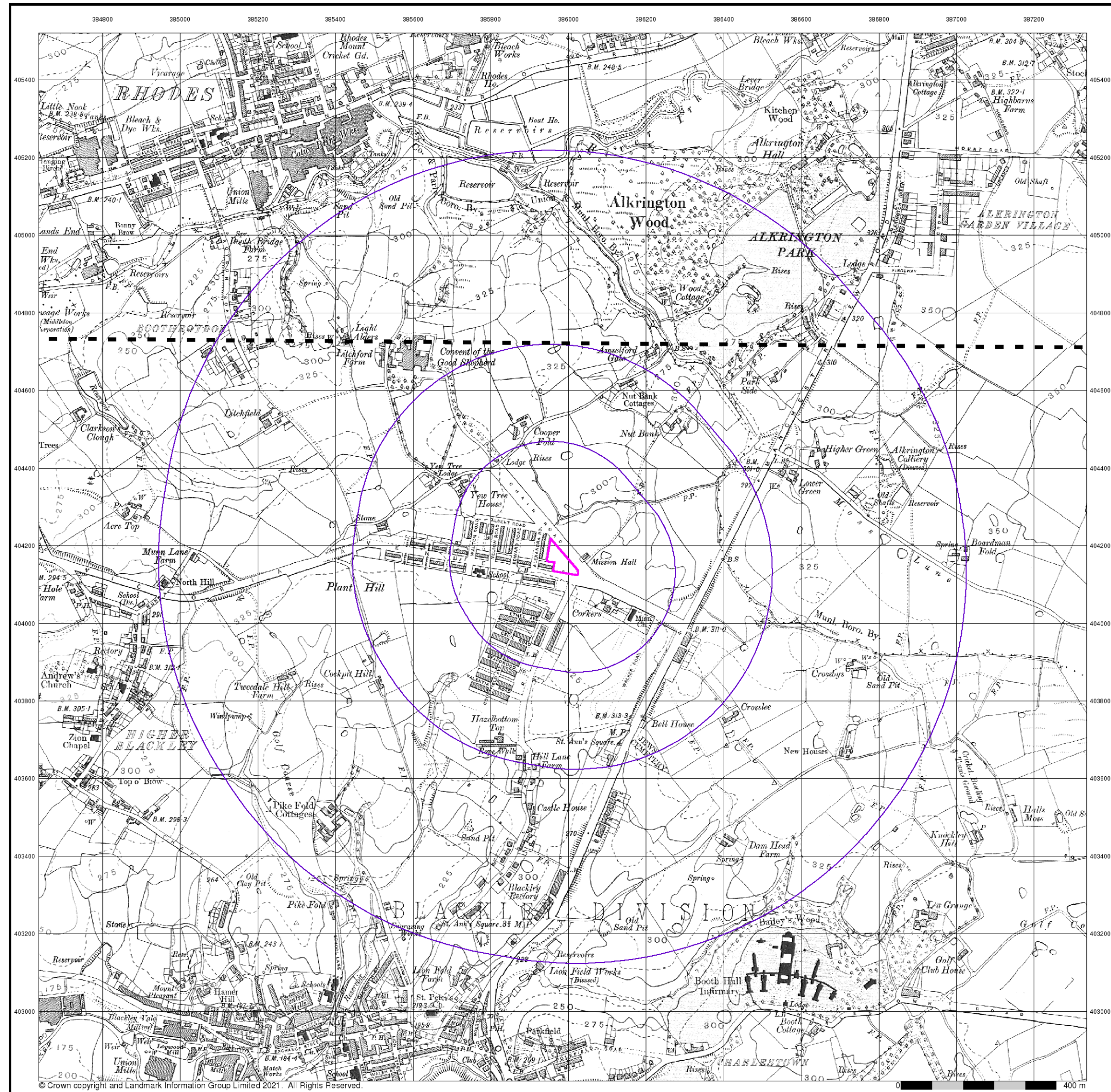
### Historical Map - Slice A



**Order Details**  
Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

**Site Details**  
Chain Road, MANCHESTER, M9 6QX





# LK GROUP

## Lancashire And Furness

Published 1923

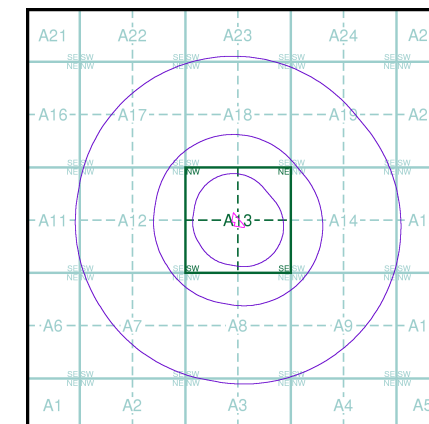
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)

|          |
|----------|
| 096NE    |
| 1923     |
| 1:10,560 |
| 096SE    |
| 1923     |
| 1:10,560 |

### Historical Map - Slice A



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

### Site Details

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# LK GROUP

## Lancashire And Furness

### Published 1932 - 1933

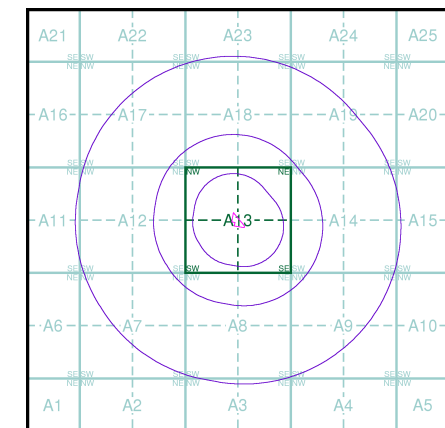
#### Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

#### Map Name(s) and Date(s)

|          |
|----------|
| 096NE    |
| 1932     |
| 1:10,560 |
| 096SE    |
| 1933     |
| 1:10,560 |

#### Historical Map - Slice A



#### Order Details

|                          |                |
|--------------------------|----------------|
| Order Number:            | 272603764_1_1  |
| Customer Ref:            | LKC 21 1026    |
| National Grid Reference: | 385980, 404160 |
| Slice:                   | A              |
| Site Area (Ha):          | 0.35           |
| Search Buffer (m):       | 1000           |

#### Site Details

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# LK GROUP

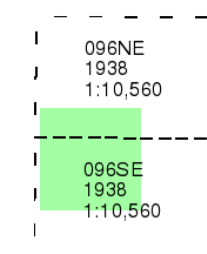
## Lancashire And Furness

Published 1938

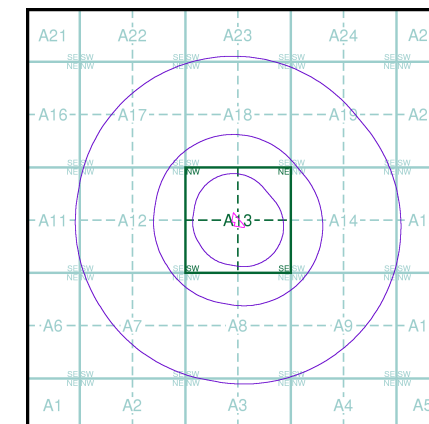
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)



### Historical Map - Slice A



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

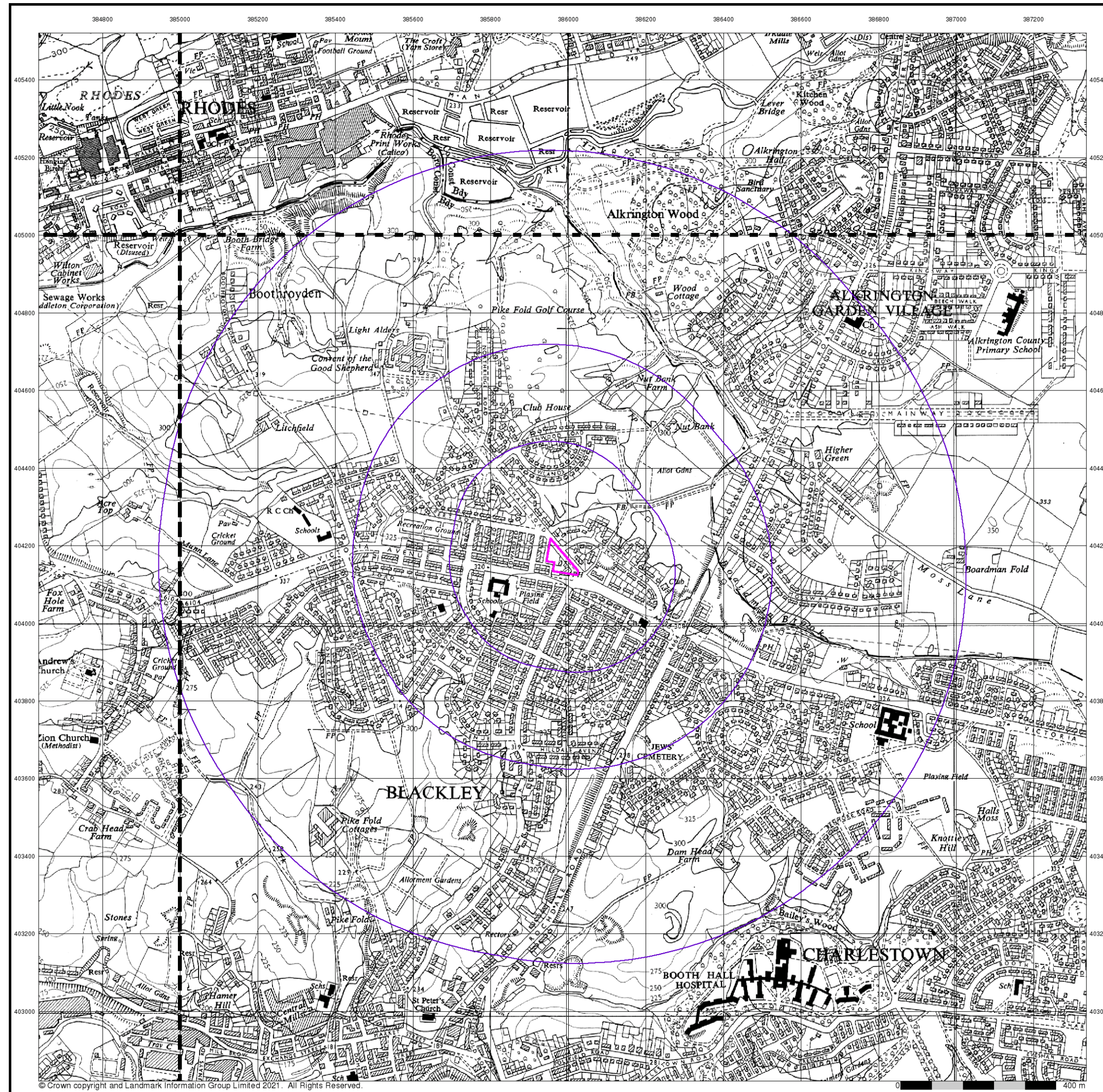
### Site Details

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# Ordnance Survey Plan

Published 1955 - 1956

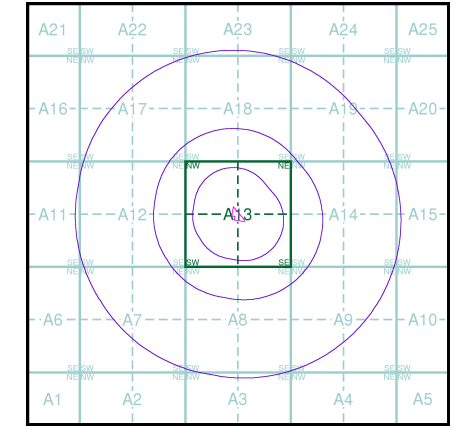
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

## Map Name(s) and Date(s)

|          |          |
|----------|----------|
| SD80NW   | SD80NE   |
| 1955     | 1956     |
| 1:10,560 | 1:10,560 |
| SD80SW   | SD80SE   |
| 1956     | 1956     |
| 1:10,560 | 1:10,560 |

## Historical Map - Slice A



## Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

## Site Details

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# Ordnance Survey Plan

Published 1965 - 1968

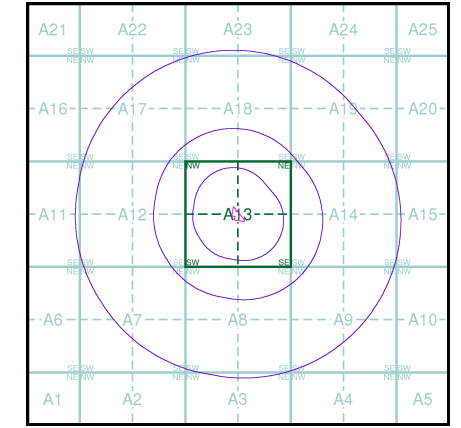
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

## Map Name(s) and Date(s)

|          |          |
|----------|----------|
| SD80NW   | SD80NE   |
| 1965     | 1965     |
| 1:10,560 | 1:10,560 |
| SD80SW   | SD80SE   |
| 1968     | 1966     |
| 1:10,560 | 1:10,560 |

## Historical Map - Slice A



## Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

## Site Details

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# ORDNANCE SURVEY PLAN

Published 1974 - 1979

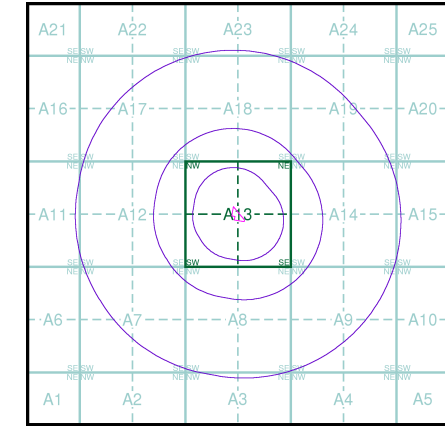
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

## Map Name(s) and Date(s)

|          |          |
|----------|----------|
| SD80NW   | SD80E    |
| 1974     | 1977     |
| 1:10,000 | 1:10,000 |
| SD80SW   | SD80SE   |
| 1979     | 1978     |
| 1:10,000 | 1:10,000 |

## Historical Map - Slice A



## Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

## Site Details

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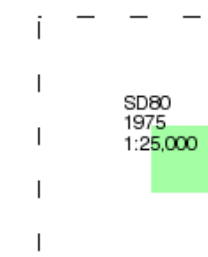
## Manchester

Published 1975

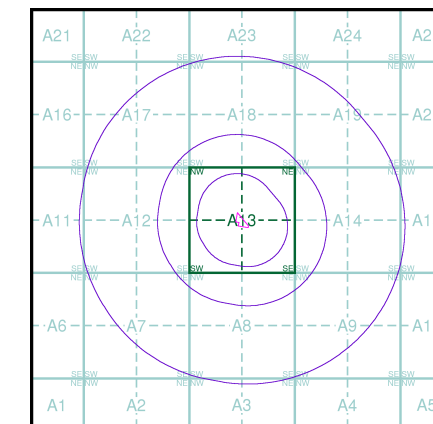
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

### Map Name(s) and Date(s)



### Russian Map - Slice A



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

### Site Details

Chain Road, MANCHESTER, M9 6QX

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## ORDNANCE SURVEY PLAN

Published 1982 - 1986

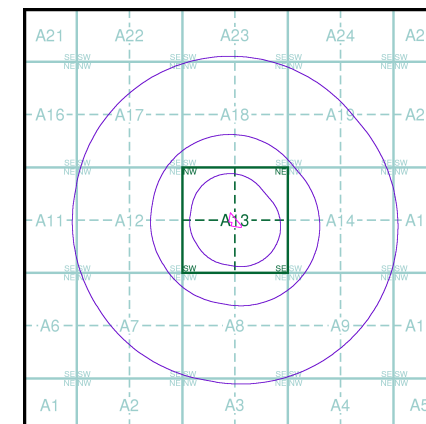
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

### Map Name(s) and Date(s)

|                            |                            |
|----------------------------|----------------------------|
| SD80NW<br>1983<br>1:10,000 | SD80NE<br>1984<br>1:10,000 |
| SD80SW<br>1986<br>1:10,000 | SD80SE<br>1982<br>1:10,000 |

### Historical Map - Slice A



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

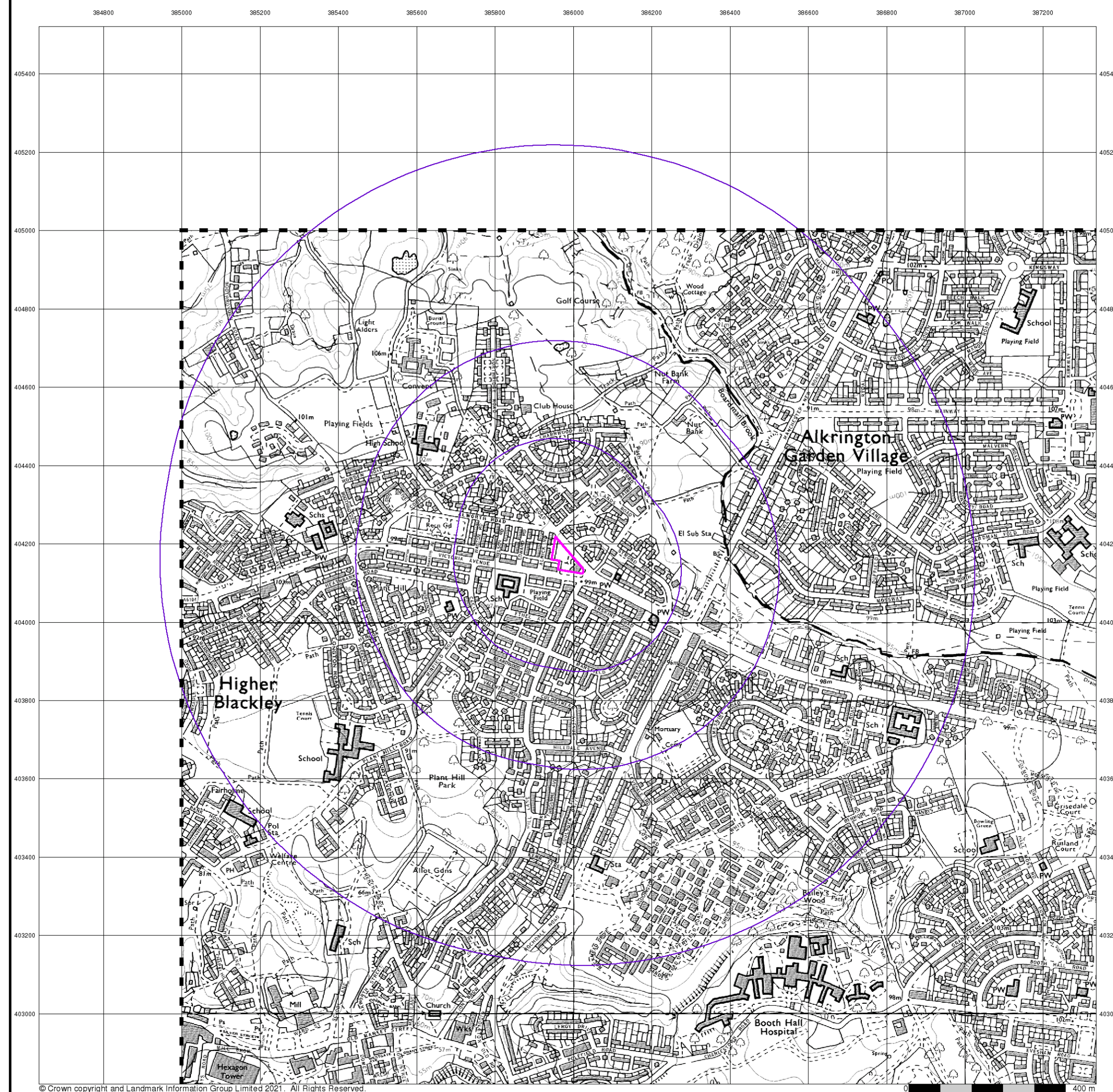
### Site Details

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# LK GROUP

## 10k Raster Mapping

Published 2006

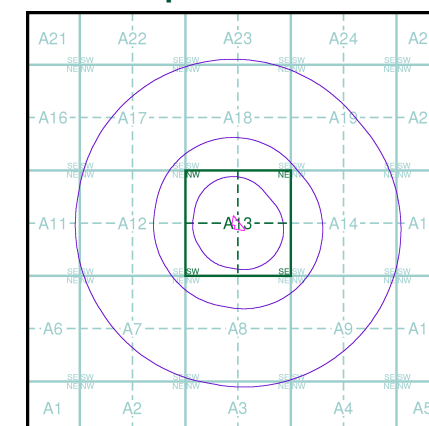
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

### Map Name(s) and Date(s)

|          |          |
|----------|----------|
| SD80NW   | SD80NE   |
| 2006     | 2006     |
| 1:10,000 | 1:10,000 |
| SD80SW   | SD80SE   |
| 2006     | 2006     |
| 1:10,000 | 1:10,000 |

### Historical Map - Slice A



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

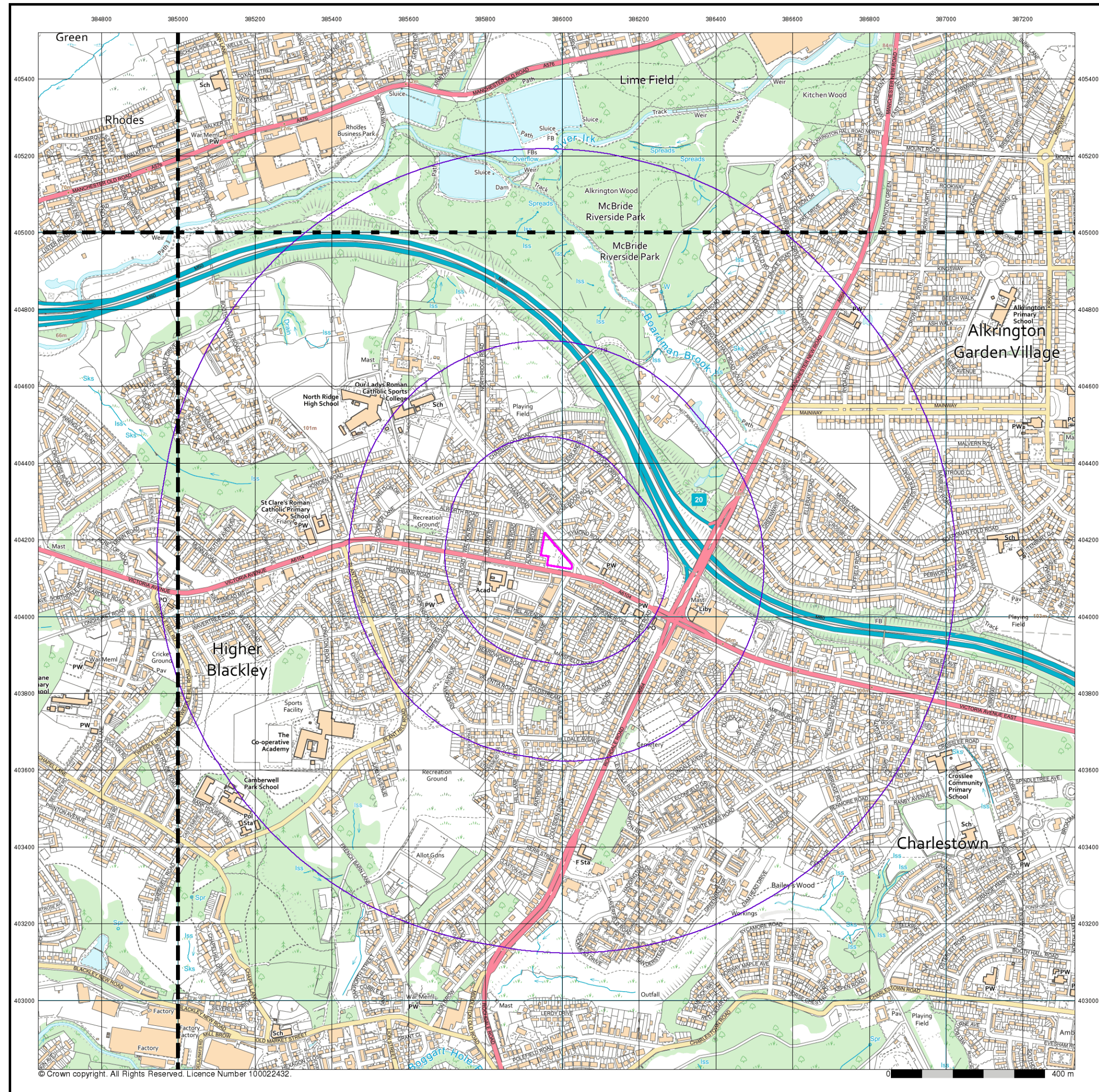
### Site Details

Chain Road, MANCHESTER, M9 6QX

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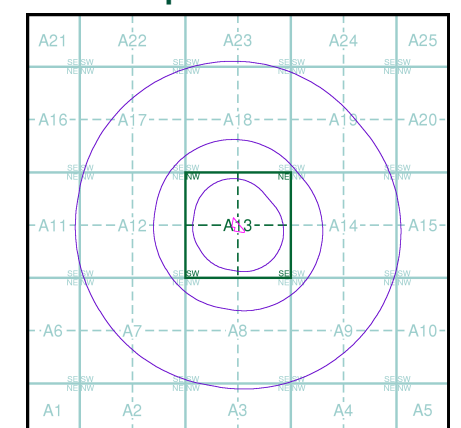
Published 2020  
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

|                            |                            |
|----------------------------|----------------------------|
| SD80NW<br>2020<br>Variable | SD80NE<br>2020<br>Variable |
| SD80SW<br>2020<br>Variable | SD80SE<br>2020<br>Variable |

Historical Map - Slice A



Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

Site Details

Chain Road, MANCHESTER, M9 6QX



## **Appendix B**

### **Envirocheck Report**



## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

272603764\_1\_1

**Customer Reference:**

LKC 21 1026

**National Grid Reference:**

385980, 404160

**Slice:**

A

**Site Area (Ha):**

0.35

**Search Buffer (m):**

1000

#### Site Details:

Chain Road  
MANCHESTER  
M9 6QX

#### Client Details:

L Consult  
LK Consult Ltd  
Unit 29 Eton Business Park  
Eton Hill Road  
Radcliffe  
Greater Manchester  
M26 2ZS



| Report Section        | Page Number |
|-----------------------|-------------|
| Summary               | -           |
| Agency & Hydrological | 1           |
| Waste                 | 24          |
| Hazardous Substances  | -           |
| Geological            | 31          |
| Industrial Land Use   | 37          |
| Sensitive Land Use    | 43          |
| Data Currency         | 44          |
| Data Suppliers        | 49          |
| Useful Contacts       | 50          |

## Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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## Report Version v53.0



| Data Type                                                     | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Agency &amp; Hydrological</b>                              |             |         |           |             |                             |
| BGS Groundwater Flooding Susceptibility                       | pg 1        | Yes     | Yes       | Yes         | n/a                         |
| Contaminated Land Register Entries and Notices                |             |         |           |             |                             |
| Discharge Consents                                            | pg 2        |         |           | 2           | 16                          |
| Prosecutions Relating to Controlled Waters                    |             |         | n/a       | n/a         | n/a                         |
| Enforcement and Prohibition Notices                           |             |         |           |             |                             |
| Integrated Pollution Controls                                 |             |         |           |             |                             |
| Integrated Pollution Prevention And Control                   |             |         |           |             |                             |
| Local Authority Integrated Pollution Prevention And Control   |             |         |           |             |                             |
| Local Authority Pollution Prevention and Controls             | pg 6        |         |           |             | 1                           |
| Local Authority Pollution Prevention and Control Enforcements |             |         |           |             |                             |
| Nearest Surface Water Feature                                 | pg 6        |         |           | Yes         |                             |
| Pollution Incidents to Controlled Waters                      | pg 6        |         |           | 2           | 7                           |
| Prosecutions Relating to Authorised Processes                 |             |         |           |             |                             |
| Registered Radioactive Substances                             |             |         |           |             |                             |
| River Quality                                                 | pg 8        |         |           |             | 1                           |
| River Quality Biology Sampling Points                         |             |         |           |             |                             |
| Substantiated Pollution Incident Register                     |             |         |           |             |                             |
| River Quality Chemistry Sampling Points                       |             |         |           |             |                             |
| Water Abstractions                                            | pg 8        |         |           |             | (*20)                       |
| Water Industry Act Referrals                                  |             |         |           |             |                             |
| Groundwater Vulnerability Map                                 | pg 13       | Yes     | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Soluble Rock Risk                 |             |         | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Local Information                 |             |         | n/a       | n/a         | n/a                         |
| Bedrock Aquifer Designations                                  | pg 13       | Yes     | n/a       | n/a         | n/a                         |
| Superficial Aquifer Designations                              | pg 13       | Yes     | n/a       | n/a         | n/a                         |
| Source Protection Zones                                       |             |         |           |             |                             |
| Extreme Flooding from Rivers or Sea without Defences          |             |         |           | n/a         | n/a                         |
| Flooding from Rivers or Sea without Defences                  |             |         |           | n/a         | n/a                         |
| Areas Benefiting from Flood Defences                          |             |         |           | n/a         | n/a                         |
| Flood Water Storage Areas                                     |             |         |           | n/a         | n/a                         |
| Flood Defences                                                |             |         |           | n/a         | n/a                         |
| OS Water Network Lines                                        | pg 14       |         |           | 5           | 82                          |



| Data Type                                                           | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Waste</b>                                                        |             |         |           |             |                             |
| BGS Recorded Landfill Sites                                         |             |         |           |             |                             |
| Historical Landfill Sites                                           | pg 24       |         | 1         |             | 4                           |
| Integrated Pollution Control Registered Waste Sites                 |             |         |           |             |                             |
| Licensed Waste Management Facilities (Landfill Boundaries)          |             |         |           |             |                             |
| Licensed Waste Management Facilities (Locations)                    | pg 25       |         |           |             | 1                           |
| Local Authority Landfill Coverage                                   |             | 1       | n/a       | n/a         | n/a                         |
| Local Authority Recorded Landfill Sites                             |             |         |           |             |                             |
| Potentially Infilled Land (Non-Water)                               | pg 25       |         | 1         | 3           | 15                          |
| Potentially Infilled Land (Water)                                   | pg 26       |         | 8         | 17          | 69                          |
| Registered Landfill Sites                                           |             |         |           |             |                             |
| Registered Waste Transfer Sites                                     |             |         |           |             |                             |
| Registered Waste Treatment or Disposal Sites                        |             |         |           |             |                             |
| <b>Hazardous Substances</b>                                         |             |         |           |             |                             |
| Control of Major Accident Hazards Sites (COMAH)                     |             |         |           |             |                             |
| Explosive Sites                                                     |             |         |           |             |                             |
| Notification of Installations Handling Hazardous Substances (NIHHS) |             |         |           |             |                             |
| Planning Hazardous Substance Consents                               |             |         |           |             |                             |
| Planning Hazardous Substance Enforcements                           |             |         |           |             |                             |



| Data Type                                                         | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|-------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Geological</b>                                                 |             |         |           |             |                             |
| BGS 1:625,000 Solid Geology                                       | pg 31       | Yes     | n/a       | n/a         | n/a                         |
| BGS Estimated Soil Chemistry                                      | pg 31       | Yes     | Yes       |             | Yes                         |
| BGS Recorded Mineral Sites                                        | pg 34       |         |           | 1           | 5                           |
| BGS Urban Soil Chemistry                                          |             |         |           |             |                             |
| BGS Urban Soil Chemistry Averages                                 |             |         |           |             |                             |
| CBSCB Compensation District                                       |             |         | n/a       | n/a         | n/a                         |
| Coal Mining Affected Areas                                        | pg 35       | Yes     | n/a       | n/a         | n/a                         |
| Mining Instability                                                | pg 35       | Yes     | n/a       | n/a         | n/a                         |
| Man-Made Mining Cavities                                          |             |         |           |             |                             |
| Natural Cavities                                                  |             |         |           |             |                             |
| Non Coal Mining Areas of Great Britain                            |             |         |           | n/a         | n/a                         |
| Potential for Collapsible Ground Stability Hazards                | pg 35       | Yes     |           | n/a         | n/a                         |
| Potential for Compressible Ground Stability Hazards               |             |         |           | n/a         | n/a                         |
| Potential for Ground Dissolution Stability Hazards                |             |         |           | n/a         | n/a                         |
| Potential for Landslide Ground Stability Hazards                  | pg 36       | Yes     |           | n/a         | n/a                         |
| Potential for Running Sand Ground Stability Hazards               | pg 36       | Yes     |           | n/a         | n/a                         |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 36       | Yes     |           | n/a         | n/a                         |
| Radon Potential - Radon Affected Areas                            |             |         | n/a       | n/a         | n/a                         |
| Radon Potential - Radon Protection Measures                       |             |         | n/a       | n/a         | n/a                         |
| <b>Industrial Land Use</b>                                        |             |         |           |             |                             |
| Contemporary Trade Directory Entries                              | pg 37       |         | 5         | 6           | 18                          |
| Fuel Station Entries                                              | pg 39       |         |           | 1           | 1                           |
| Points of Interest - Commercial Services                          | pg 39       |         | 2         |             | 5                           |
| Points of Interest - Education and Health                         |             |         |           |             |                             |
| Points of Interest - Manufacturing and Production                 | pg 40       |         |           | 1           |                             |
| Points of Interest - Public Infrastructure                        | pg 40       |         |           | 3           | 12                          |
| Points of Interest - Recreational and Environmental               | pg 41       |         | 1         | 2           | 5                           |
| Gas Pipelines                                                     |             |         |           |             |                             |
| Underground Electrical Cables                                     |             |         |           |             |                             |



| Data Type                            | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m<br>(*up to 2000m) |
|--------------------------------------|-------------|---------|-----------|-------------|--------------------------------|
| <b>Sensitive Land Use</b>            |             |         |           |             |                                |
| Ancient Woodland                     | pg 43       |         |           |             | 1                              |
| Areas of Adopted Green Belt          |             |         |           |             |                                |
| Areas of Unadopted Green Belt        |             |         |           |             |                                |
| Areas of Outstanding Natural Beauty  |             |         |           |             |                                |
| Environmentally Sensitive Areas      |             |         |           |             |                                |
| Forest Parks                         |             |         |           |             |                                |
| Local Nature Reserves                | pg 43       |         |           |             | 1                              |
| Marine Nature Reserves               |             |         |           |             |                                |
| National Nature Reserves             |             |         |           |             |                                |
| National Parks                       |             |         |           |             |                                |
| Nitrate Sensitive Areas              |             |         |           |             |                                |
| Nitrate Vulnerable Zones             | pg 43       | 1       |           |             |                                |
| Ramsar Sites                         |             |         |           |             |                                |
| Sites of Special Scientific Interest |             |         |           |             |                                |
| Special Areas of Conservation        |             |         |           |             |                                |
| Special Protection Areas             |             |         |           |             |                                |
| World Heritage Sites                 |             |         |           |             |                                |



| Map ID | Details                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SW (SE)                             | 0                            | 1       | 385981<br>404165 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13NE (NE)                             | 56                           | 1       | 386050<br>404200 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13NE (NE)                             | 164                          | 1       | 386100<br>404300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (E)                              | 176                          | 1       | 386200<br>404165 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (E)                              | 210                          | 1       | 386200<br>404250 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SE (E)                              | 225                          | 1       | 386250<br>404165 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (E)                              | 225                          | 1       | 386250<br>404150 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (NE)                             | 235                          | 1       | 386200<br>404300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SE (SE)                             | 238                          | 1       | 386250<br>404050 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A13SW (SW)                             | 245                          | 1       | 385800<br>403950 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SE (E)                              | 275                          | 1       | 386300<br>404165 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13SE (E)                              | 275                          | 1       | 386300<br>404150 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A13NE (E)                              | 283                          | 1       | 386300<br>404200 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A13NE (NE)                             | 305                          | 1       | 386200<br>404400 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14SW (E)                              | 325                          | 1       | 386350<br>404150 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14SW (E)                              | 334                          | 1       | 386350<br>404050 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A18SE (N)                              | 363                          | 1       | 386100<br>404550 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                        | A14SW (SE)                             | 370                          | 1       | 386350<br>403950 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14SW (E)                              | 375                          | 1       | 386400<br>404165 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding to Occur at Surface                     | A14SW (E)                              | 375                          | 1       | 386400<br>404150 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14SW (E)                              | 383                          | 1       | 386400<br>404050 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level | A14SW (E)                              | 396                          | 1       | 386400<br>404000 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A18SE (NE)                             | 413                          | 1       | 386200<br>404550 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A14SW (SE)                             | 415                          | 1       | 386400<br>403950 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A18SE (N)                              | 474                          | 1       | 386150<br>404650 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A14SW (E)                              | 492                          | 1       | 386500<br>404000 |
| 1      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Rochdale Road, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01man0114<br>Permit Version: 2<br>Effective Date: 3rd September 2010<br>Issued Date: 3rd September 2010<br>Revocation Date: 18th July 2014<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status: Surrendered under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                                   | A14SW (E)                              | 357                          | 2       | 386380<br>404170 |
| 1      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Rochdale Road, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0114<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 2nd September 2010<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 100m                                                                        | A14SW (E)                              | 357                          | 2       | 386380<br>404170 |
| 2      | <b>Discharge Consents</b><br>Operator: United Utilities Water Plc (?)<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Manchester New Road Cso 268 Manchester New Road, Middleton, Manchester, Greater Manchester, M24 1jr<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01roc0016<br>Permit Version: 2<br>Effective Date: 9th September 2004<br>Issued Date: 9th September 2004<br>Revocation Date: 5th November 2019<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A14NW (NE)                             | 565                          | 2       | 386480<br>404470 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 2      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Manchester New Road Cso 268 Manchester New Road, Middleton, Manchester, Greater Manchester, M24 1jr<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016993577<br>Permit Version: 1<br>Effective Date: 6th November 2019<br>Issued Date: 6th November 2019<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status: Varied under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m | A14NW (NE)                             | 573                          | 2       | 386484 404478 |
| 2      | <b>Discharge Consents</b><br>Operator: North West Water Limited<br>Property Type: Not Given<br>Location: Off Manchester New Road, ALKRINGTON<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: ROC0016<br>Permit Version: Not Supplied<br>Effective Date: Not Supplied<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Effluent Discharge-Storm Effluent<br>Discharge: Unknown<br>Environment:<br>Receiving Water: Not Supplied<br><b>Status: Not Supplied</b><br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                          | A14NW (NE)                             | 576                          | 2       | 386490 404475 |
| 2      | <b>Discharge Consents</b><br>Operator: North West Water Limited<br>Property Type: Not Given<br>Location: Mainway, ALKRINGTON<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: ROC0011<br>Permit Version: Not Supplied<br>Effective Date: Not Supplied<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Sewage Effluent Discharge-Storm Effluent<br>Discharge: Unknown<br>Environment:<br>Receiving Water: Not Supplied<br><b>Status: Not Supplied</b><br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                                          | A14NW (NE)                             | 579                          | 2       | 386490 404480 |
| 2      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Mainway/Worcester Road Cso 50 Mainway, Middleton, Manchester, Greater Manchester, M24 1pb<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01ROC0017<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 8th September 2004<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook River Irk<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Located by supplier to within 10m    | A14NW (NE)                             | 579                          | 2       | 386490 404480 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 2      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Manchester New Road Cso 268 Manchester New Road, Middleton, Manchester, Greater Manchester, M24 1jr<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01ROC0016<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 8th September 2004<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook River Irk<br><b>Status:</b> <b>Consent revoked or revised: New Consent issued (Section 37(1))</b><br>Positional Accuracy: Located by supplier to within 10m | A14NW (NE)                             | 579                          | 2       | 386490 404480 |
| 2      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY)<br>Location: Off Manchester New Road Cso, Alkington, Oldham, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01ROC0011<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: 1st January 1995<br>Revocation Date: 22nd June 2005<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook Culvert<br><b>Status:</b> <b>Authorisation revoked</b><br>Positional Accuracy: Located by supplier to within 100m                                                                                   | A14NW (NE)                             | 583                          | 2       | 386495 404480 |
| 3      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Mossway Cso 120 Mossway, Middleton, Manchester, Greater Manchester, M24 1nt<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016982901<br>Permit Version: 4<br>Effective Date: 20th February 2020<br>Issued Date: 20th February 2020<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status:</b> <b>Varied under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                                                       | A14SE (E)                              | 665                          | 2       | 386678 404003 |
| 4      | <b>Discharge Consents</b><br>Operator: Paul Mcveigh<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: Litchfield Park Swo, Boothroyd Road, Blackley, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016991234<br>Permit Version: 1<br>Effective Date: 18th January 1988<br>Issued Date: Not Supplied<br>Revocation Date: 9th January 1991<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Uncontam Surface Water; Outfall To Watercourse; Licence Status: Revoked<br><b>Status:</b> <b>Authorisation revoked</b><br>Positional Accuracy: Located by supplier to within 100m                                               | A12NW (W)                              | 680                          | 2       | 385300 404400 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 5      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Mainway/Worcester Road Cso 50 Mainway, Middleton, Manchester, Greater Manchester, M24 1pb<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016993575<br>Permit Version: 1<br>Effective Date: 11th December 2019<br>Issued Date: 11th December 2019<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status: Varied under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                                                               | A19SE (NE)                             | 841                          | 2       | 386768 404529 |
| 5      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Mainway/Worcester Road Cso 50 Mainway, Middleton, Manchester, Greater Manchester, M24 1pb<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01roc0017<br>Permit Version: 2<br>Effective Date: 9th September 2004<br>Issued Date: 9th September 2004<br>Revocation Date: 10th December 2019<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook River Irk<br><b>Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A19SE (NE)                             | 844                          | 2       | 386770 404530 |
| 6      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Mossway Cso 120 Mossway, Middleton, Manchester, Greater Manchester, M24 1nt<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016982901<br>Permit Version: 3<br>Effective Date: 14th November 1995<br>Issued Date: Not Supplied<br>Revocation Date: 19th February 2020<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 100m                                         | A14SE (E)                              | 861                          | 2       | 386860 403920 |
| 6      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Mossway Cso 120 Mossway, Middleton, Manchester, Greater Manchester, M24 1nt<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016982901<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 10th May 1995<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                    | A14SE (E)                              | 861                          | 2       | 386860 403920 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 6      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Mossway Cso 120 Mossway, Middleton, Manchester, Greater Manchester, M24 1nt<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016982901<br>Permit Version: 2<br>Effective Date: 11th May 1995<br>Issued Date: Not Supplied<br>Revocation Date: 13th November 1995<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Located by supplier to within 10m                                 | A14SE (E)                              | 861                          | 2       | 386860 403920 |
| 7      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Victoria Avenue East, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01man0113<br>Permit Version: 2<br>Effective Date: 3rd September 2010<br>Issued Date: 3rd September 2010<br>Revocation Date: 24th November 2014<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status: Surrendered under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                        | A14SE (E)                              | 902                          | 2       | 386880 403840 |
| 7      | <b>Discharge Consents</b><br>Operator: United Utilities Water Limited<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Victoria Avenue East, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0113<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 2nd September 2010<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Boardman Brook<br><b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 100m | A14SE (E)                              | 902                          | 2       | 386880 403840 |
| 8      | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Tesco Petrol Station Blackley<br>Location: Victoria Avenue East, Blackley, Manchester, M9 6hp<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/PFS/RM/053/11<br>Dated: Not Supplied<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG1/14 Petrol filling station<br><b>Status: Permitted</b><br>Positional Accuracy: Manually positioned to the address or location                                                                                                                                                                                                                                      | A14SW (E)                              | 525                          | 3       | 386518 403949 |
|        | <b>Nearest Surface Water Feature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | A14NW (NE)                             | 382                          | -       | 386345 404343 |
| 9      | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Private Sewage (Non-PLC): Sewerage Systems<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Sewage Debris/Litter<br>Note: Boardman Brook<br>Incident Date: 14th June 1995<br>Incident Reference: 95611417<br>Catchment Area: Irk<br>Receiving Water: Not Given<br>Cause of Incident: Blocked Sewer<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                                                                                           | A14NW (E)                              | 381                          | 2       | 386400 404200 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 10     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Water Treatment & Distribution: Other<br>Location: Boardman Brook, Near Manchester New Road, MIDDLETON, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Inert : Clays<br>Note: Not Supplied<br>Incident Date: 5th October 1999<br>Incident Reference: 33017<br>Catchment Area: Irk<br>Receiving Water: River Stretch (Freshwater)<br>Cause of Incident: Drainage Failures : Highway Drainage Run-Off<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A14NW (NE)                             | 460                          | 2       | 386400 404400 |
| 11     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Private Sewage (Non-PLC): Sewerage Systems<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Storm Sewage<br>Note: Boardman Brook; Sewerage<br>Incident Date: 1st February 1995<br>Incident Reference: 95610198<br>Catchment Area: Irk<br>Receiving Water: Not Given<br>Cause of Incident: Inadequate Design/Capacity<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                     | A18SE (N)                              | 541                          | 2       | 386200 404700 |
| 12     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Office<br>Location: Silt In Boardman Brook<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Inert Suspended Solids<br>Note: Not Supplied<br>Incident Date: 1st September 1998<br>Incident Reference: SO981702<br>Catchment Area: Irk<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Land Runoff<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                       | A19SW (NE)                             | 584                          | 2       | 386400 404595 |
| 12     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Office<br>Location: Silt In Boardman Brook<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Inert Suspended Solids<br>Note: Not Supplied<br>Incident Date: 9th September 1998<br>Incident Reference: SO981700<br>Catchment Area: Irk<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Land Runoff<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                       | A19SW (NE)                             | 587                          | 2       | 386400 404600 |
| 13     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Office<br>Location: Boardman Brook, MIDDLETON<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Inert Suspended Solids<br>Note: Thick Brown Muck From Metres Way<br>Incident Date: 21st July 1998<br>Incident Reference: SO981307<br>Catchment Area: Irk<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Land Runoff<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                    | A18SE (NE)                             | 593                          | 2       | 386300 404700 |
| 14     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Private Sewage (Non-PLC): Sewerage Systems<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Sewage Debris/Litter<br>Note: Boardman Brook<br>Incident Date: 13th June 1995<br>Incident Reference: 95611403<br>Catchment Area: Irk<br>Receiving Water: Not Given<br>Cause of Incident: Blocked Sewer<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                       | A14NW (NE)                             | 599                          | 2       | 386500 404500 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 15     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Private Sewage (Non-PLC): Sewerage Systems<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown Sewage<br>Note: Boardman Brook<br>Incident Date: 23rd July 1991<br>Incident Reference: 91611139<br>Catchment Area: Irk<br>Receiving Water: Not Given<br>Cause of Incident: Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                  | A18NE (N)                              | 697                          | 2       | 386100 404900 |
| 16     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Affected; None Pollution Found<br>Incident Date: 28th August 1996<br>Incident Reference: 96611924<br>Catchment Area: Irk<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                    | A23SE (N)                              | 993                          | 2       | 386100 405200 |
|        | <b>River Quality</b><br>Name: Irk<br>GQA Grade: River Quality E<br>Reach: Wince Bk To Moston Bk<br>Estimated Distance (km): 10.3<br>Flow Rate: Flow less than 2.5 cumecs<br>Flow Type: River<br>Year: 2000                                                                                                                                                                                                                                                                                                                                                                                                              | A18NW (N)                              | 912                          | 2       | 385902 405129 |
|        | <b>Water Abstractions</b><br>Operator: Costain Building & Civil Engineering<br>Licence Number: 2569005057<br>Permit Version: Not Supplied<br>Location: River Irk, Middleton, MANCHESTER<br>Authority: Environment Agency, North West Region<br>Abstraction: Dust Suppression<br>Abstraction Type: Not Supplied<br>Source: Surface<br>Daily Rate (m3): 20<br>Yearly Rate (m3): 4000<br>Details: Licence Status: Expired<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A17NW (NW)                             | 1241                         | 2       | 384996 405006 |
|        | <b>Water Abstractions</b><br>Operator: Balfour Beatty Major Projects<br>Licence Number: 2569005059<br>Permit Version: Not Supplied<br>Location: MIDDLETON, CR7 7XA<br>Authority: Environment Agency, North West Region<br>Abstraction: Dust Suppression<br>Abstraction Type: Not Supplied<br>Source: Surface<br>Daily Rate (m3): 240<br>Yearly Rate (m3): 40000<br>Details: The River Irk; Construction; Type: Abstraction; Status: Current<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Unknown       | A16NE (NW)                             | 1253                         | 2       | 384900 404895 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: The New North Manchester Golf Club Ltd<br>Licence Number: 2569005055<br>Permit Version: 101<br>Location: Reservoir Fed By Surface Drainage At North Manchester Golf C<br>Authority: Environment Agency, North West Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: North Manchester Golf Course<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 1st April 2008<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                       | A23NW (N)                              | 1483                         | 2       | 385900 405700 |
|        | <b>Water Abstractions</b><br>Operator: North Manchester Golf Club<br>Licence Number: 2569005055<br>Permit Version: 100<br>Location: Reservoir Fed By Surface Drainage At North Manchester Golf Club<br>Authority: Environment Agency, North West Region<br>Abstraction: Golf Courses: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 45<br>Yearly Rate (m3): 2273<br>Details: North Manchester Golf Course<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 21st February 1977<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                              | A23NW (N)                              | 1483                         | 2       | 385900 405700 |
|        | <b>Water Abstractions</b><br>Operator: Robert McBride Ltd<br>Licence Number: 2569005035<br>Permit Version: 100<br>Location: Reservoir Fed By Surface Drainage At Middleton, Manchester(T<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): 1091<br>Yearly Rate (m3): 288671<br>Details: Premises At Cheetham Street<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                      | A24NW (NE)                             | 1525                         | 2       | 386600 405600 |
|        | <b>Water Abstractions</b><br>Operator: Robert McBride Ltd<br>Licence Number: 2569005035<br>Permit Version: 100<br>Location: Reservoir Fed By Surface Drainage At Middleton, Manchester(T<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Premises At Cheetham Street<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A24NW (NE)                             | 1525                         | 2       | 386600 405600 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Avecia Ltd<br>Licence Number: 2569005012<br>Permit Version: 101<br>Location: Borehole At Blackley, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 1000<br>Yearly Rate (m3): 1000<br>Details: Licence Holders Land At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st July 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A2NW (SW)                              | 1563                         | 2       | 385001 402901 |
|        | <b>Water Abstractions</b><br>Operator: British Cables Company Limited<br>Licence Number: 2569005044<br>Permit Version: 106<br>Location: 2 Boreholes At Blackley, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land & Premises At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th October 2018<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m  | A1NE (SW)                              | 1597                         | 2       | 384890 402950 |
|        | <b>Water Abstractions</b><br>Operator: Bt Cables Limited<br>Licence Number: 2569005044<br>Permit Version: 105<br>Location: 2 Boreholes At Blackley, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land & Premises At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 9th October 2012<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                | A1NE (SW)                              | 1597                         | 2       | 384890 402950 |
|        | <b>Water Abstractions</b><br>Operator: Manchester Cables Ltd<br>Licence Number: 2569005044<br>Permit Version: 104<br>Location: 2 Boreholes At Blackley, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land & Premises At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 10th May 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m               | A1NE (SW)                              | 1597                         | 2       | 384890 402950 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Belden (Uk) Ltd<br>Licence Number: 2569005044<br>Permit Version: 103<br>Location: 2 Boreholes At Blackley, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land & Premises At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 16th November 2001<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A1NE (SW)                              | 1597                         | 2       | 384890 402950 |
|        | <b>Water Abstractions</b><br>Operator: Belden (Uk) Ltd<br>Licence Number: 2569005044<br>Permit Version: 102<br>Location: 2 Boreholes At Blackley, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 909<br>Yearly Rate (m3): 318181<br>Details: Land & Premises At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd April 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                    | A1NE (SW)                              | 1597                         | 2       | 384890 402950 |
|        | <b>Water Abstractions</b><br>Operator: Oakbest Limited<br>Licence Number: 2569005041<br>Permit Version: Not Supplied<br>Location: Two Boreholes, Higher Blackley, MANCHESTER<br>Authority: Environment Agency, North West Region<br>Abstraction: Manufacturing<br>Abstraction Type: Not Supplied<br>Source: Groundwater<br>Daily Rate (m3): 1818<br>Yearly Rate (m3): 181840<br>Details: Licence Status: Revoked<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                 | A16SW (W)                              | 1600                         | 2       | 384400 404595 |
|        | <b>Water Abstractions</b><br>Operator: Robert McBride Limited; Middleton<br>Licence Number: 2569005003<br>Permit Version: Not Supplied<br>Location: Borehole, Leater Street, Middleton, MANCHESTER<br>Authority: Environment Agency, North West Region<br>Abstraction: Manufacturing<br>Abstraction Type: Not Supplied<br>Source: Groundwater<br>Daily Rate (m3): 109<br>Yearly Rate (m3): 27276<br>Details: Licence Status: Revoked<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                             | A24NE (NE)                             | 1616                         | 2       | 386800 405595 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: B M Coatings Limited<br>Licence Number: 2569005009<br>Permit Version: Not Supplied<br>Location: Wince Brook At Premises, Tonge Mill, Oldham Road, MIDDLETON<br>Authority: Environment Agency, North West Region<br>Abstraction: Cooling<br>Abstraction Type: Not Supplied<br>Source: Surface<br>Daily Rate (m3): 14<br>Yearly Rate (m3): 655<br>Details: Licence Status: Lapsed<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                          | A25NW (NE)                             | 1732                         | 2       | 387005 405595 |
|        | <b>Water Abstractions</b><br>Operator: British Cables Company Limited<br>Licence Number: 2569005044<br>Permit Version: 106<br>Location: Boreholes X 2 At Blackley Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land & Premises At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 11th October 2018<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A1NW (SW)                              | 1771                         | 2       | 384610 402990 |
|        | <b>Water Abstractions</b><br>Operator: Bt Cables Limited<br>Licence Number: 2569005044<br>Permit Version: 105<br>Location: Boreholes X 2 At Blackley Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land & Premises At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 9th October 2012<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m               | A1NW (SW)                              | 1771                         | 2       | 384610 402990 |
|        | <b>Water Abstractions</b><br>Operator: Manchester Cables Ltd<br>Licence Number: 2569005044<br>Permit Version: 104<br>Location: Boreholes X 2 At Blackley Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land & Premises At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 10th May 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m              | A1NW (SW)                              | 1771                         | 2       | 384610 402990 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Belden (Uk) Ltd<br>Licence Number: 2569005044<br>Permit Version: 103<br>Location: Boreholes X 2 At Blackley Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Land & Premises At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 16th November 2001<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A1NW (SW)                              | 1771                         | 2       | 384610 402990 |
|        | <b>Water Abstractions</b><br>Operator: Belden (Uk) Ltd<br>Licence Number: 2569005044<br>Permit Version: 102<br>Location: 2 Boreholes At Blackley, Manchester \$121<br>Authority: Environment Agency, North West Region<br>Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 0<br>Yearly Rate (m3): 0<br>Details: Land & Premises At Blackley<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd April 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                      | A1NW (SW)                              | 1771                         | 2       | 384610 402990 |
|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: >550 mm/year<br>Baseflow Index: <40%<br>Superficial: >90%<br>Patchiness: >10m<br>Superficial Thickness: High<br>Recharge:                                                                                                                                                                                                                                                         | A13SW (SE)                             | 0                            | 4       | 385981 404165 |
|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Secondary Superficial Aquifer - Low Vulnerability<br>Combined Vulnerability: Low<br>Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer<br>Pollutant Speed: Low<br>Bedrock Flow: Well Connected Fractures<br>Dilution: >550 mm/year<br>Baseflow Index: <40%<br>Superficial: >90%<br>Patchiness: >10m<br>Superficial Thickness: High<br>Recharge:                                                                                                                                                                                                                                                         | A13SE (E)                              | 0                            | 4       | 386000 404165 |
|        | <b>Groundwater Vulnerability - Soluble Rock Risk</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                              |         |               |
|        | <b>Bedrock Aquifer Designations</b><br>Aquifer Designation: Secondary Aquifer - B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | A13SW (SE)                             | 0                            | 4       | 385981 404165 |
|        | <b>Superficial Aquifer Designations</b><br>Aquifer Designation: Secondary Aquifer - Undifferentiated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A13SW (SE)                             | 0                            | 4       | 385981 404165 |
|        | <b>Extreme Flooding from Rivers or Sea without Defences</b><br>None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                              |         |               |

| Map ID | Details                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Flooding from Rivers or Sea without Defences</b><br>None                                                                                                                                                                         |                                        |                              |         |                  |
|        | <b>Areas Benefiting from Flood Defences</b><br>None                                                                                                                                                                                 |                                        |                              |         |                  |
|        | <b>Flood Water Storage Areas</b><br>None                                                                                                                                                                                            |                                        |                              |         |                  |
|        | <b>Flood Defences</b><br>None                                                                                                                                                                                                       |                                        |                              |         |                  |
| 17     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 695.4<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1        | A14NW (E)                              | 367                          | 5       | 386378<br>404234 |
| 18     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 32.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A14NW (NE)                             | 386                          | 5       | 386353<br>404339 |
| 19     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A14NW (NE)                             | 417                          | 5       | 386375<br>404361 |
| 20     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 41.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A14NW (NE)                             | 427                          | 5       | 386382<br>404368 |
| 21     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 136.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A14NW (NE)                             | 427                          | 5       | 386382<br>404368 |
| 22     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 58.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A18SE (NE)                             | 519                          | 5       | 386219<br>404664 |
| 23     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 57.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A18SE (N)                              | 533                          | 5       | 386074<br>404737 |
| 24     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A18SE (NE)                             | 554                          | 5       | 386257<br>404683 |



| Map ID | Details                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 25     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 214.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A14NW (NE)                             | 555                          | 5       | 386479 404453 |
| 26     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 37.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A14NW (NE)                             | 555                          | 5       | 386479 404453 |
| 27     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1     | A18SE (NE)                             | 562                          | 5       | 386263 404688 |
| 28     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 14.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A18SE (NE)                             | 564                          | 5       | 386259 404693 |
| 29     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 165.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18SE (NE)                             | 570                          | 5       | 386277 404687 |
| 30     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 88.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1  | A18SE (NE)                             | 573                          | 5       | 386264 404700 |
| 31     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 75.9<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1         | A18SE (N)                              | 586                          | 5       | 386101 404785 |
| 32     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 34.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A19SW (NE)                             | 598                          | 5       | 386390 404627 |
| 33     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 128.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18SE (N)                              | 618                          | 5       | 386230 404771 |

| Map ID | Details                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 34     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 49.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A18SE (N)                              | 618                          | 5       | 386230<br>404771 |
| 35     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 89.6<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1         | A19SW (NE)                             | 629                          | 5       | 386411<br>404650 |
| 36     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 57.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A18SE (NE)                             | 656                          | 5       | 386275<br>404790 |
| 37     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 179.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A18SE (NE)                             | 656                          | 5       | 386275<br>404790 |
| 38     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 54.2<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1         | A18NE (N)                              | 656                          | 5       | 386084<br>404861 |
| 39     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 18.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A18NE (N)                              | 656                          | 5       | 386084<br>404861 |
| 40     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 6.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1   | A18NE (N)                              | 659                          | 5       | 386138<br>404851 |
| 41     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 11.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A18SW (NW)                             | 664                          | 5       | 385669<br>404818 |
| 42     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 179.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18NE (N)                              | 665                          | 5       | 386138<br>404857 |



| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 43     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 18.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A18SW (NW)                             | 672                          | 5       | 385649<br>404817 |
| 44     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 83.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A18SW (NW)                             | 676                          | 5       | 385663<br>404827 |
| 45     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 46.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A18NW (N)                              | 682                          | 5       | 385723<br>404859 |
| 46     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 119.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1 | A19SW (NE)                             | 718                          | 5       | 386468<br>404719 |
| 47     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 20.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A18NE (N)                              | 723                          | 5       | 386006<br>404939 |
| 48     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 207.5<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A18NW (N)                              | 725                          | 5       | 385697<br>404896 |
| 49     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 18.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A18NW (N)                              | 731                          | 5       | 385974<br>404948 |
| 50     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 52.6<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A18NE (N)                              | 738                          | 5       | 386020<br>404953 |
| 51     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.2<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1         | A18NE (N)                              | 743                          | 5       | 385988<br>404961 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 52     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 70.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A18NE (N)                              | 745                          | 5       | 385991<br>404962 |
| 53     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 140.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1 | A17SE (NW)                             | 752                          | 5       | 385380<br>404702 |
| 54     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A18NW (N)                              | 763                          | 5       | 385908<br>404979 |
| 55     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A18NW (N)                              | 763                          | 5       | 385913<br>404980 |
| 56     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 27.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A18NW (N)                              | 766                          | 5       | 385907<br>404982 |
| 57     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 530.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1 | A12NW (W)                              | 775                          | 5       | 385191<br>404347 |
| 58     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A18NW (N)                              | 775                          | 5       | 385882<br>404989 |
| 59     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 137.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1 | A18NW (N)                              | 776                          | 5       | 385882<br>404991 |
| 60     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18NE (N)                              | 782                          | 5       | 386053<br>404994 |



| Map ID | Details                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 61     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 150.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18NE (N)                              | 788                          | 5       | 386047 405001 |
| 62     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 396.7<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 2        | A14SE (E)                              | 796                          | 5       | 386794 403922 |
| 63     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 358.8<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1        | A14SE (E)                              | 796                          | 5       | 386794 403922 |
| 64     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 19.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A19NW (NE)                             | 804                          | 5       | 386406 404883 |
| 65     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 107.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A7NE (SW)                              | 812                          | 5       | 385458 403496 |
| 66     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 89.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A18NE (NE)                             | 812                          | 5       | 386312 404947 |
| 67     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 62.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A19NW (NE)                             | 821                          | 5       | 386423 404892 |
| 68     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 4.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1     | A17SW (NW)                             | 830                          | 5       | 385284 404707 |
| 69     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 57.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A17SW (NW)                             | 833                          | 5       | 385284 404711 |

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| 70     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 12.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1           | A17SW (NW)                             | 850                          | 5       | 385308<br>404770 |
| 71     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 24.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A17SW (NW)                             | 860                          | 5       | 385304<br>404781 |
| 72     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 15.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A17SW (NW)                             | 876                          | 5       | 385270<br>404764 |
| 73     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 28.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A17SW (NW)                             | 876                          | 5       | 385270<br>404764 |
| 74     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A17SW (NW)                             | 882                          | 5       | 385285<br>404792 |
| 75     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 47.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18NW (N)                              | 882                          | 5       | 385942<br>405100 |
| 76     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 2.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A17SW (NW)                             | 885                          | 5       | 385279<br>404790 |
| 77     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 28.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A17SW (NW)                             | 886                          | 5       | 385280<br>404792 |
| 78     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 138.6<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A7SE (SW)                              | 897                          | 5       | 385457<br>403393 |



| Map ID | Details                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 79     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 9.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1        | A18NW (N)                              | 900                          | 5       | 385898 405117 |
| 80     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 28.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18NW (N)                              | 905                          | 5       | 385890 405121 |
| 81     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 53.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A17SW (NW)                             | 907                          | 5       | 385277 404820 |
| 82     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 5.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1    | A7SE (SW)                              | 909                          | 5       | 385586 403307 |
| 83     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 119.3<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A8SE (S)                               | 917                          | 5       | 385990 403207 |
| 84     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 41.0<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A18NE (N)                              | 918                          | 5       | 385993 405135 |
| 85     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 46.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A18NE (N)                              | 918                          | 5       | 385986 405135 |
| 86     | <b>OS Water Network Lines</b><br>Watercourse Form: Reservoir<br>Watercourse Length: 90.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1      | A18NW (N)                              | 918                          | 5       | 385851 405130 |
| 87     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 15.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A18NW (N)                              | 918                          | 5       | 385851 405130 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 88     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 1.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1   | A18NW (N)                              | 921                          | 5       | 385865<br>405135 |
| 89     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 7.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18NW (N)                              | 921                          | 5       | 385866<br>405135 |
| 90     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 8.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18NW (N)                              | 928                          | 5       | 385862<br>405141 |
| 91     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 3.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Boardman Brook<br>Catchment Name: Mersey<br>Primacy: 1 | A18NW (N)                              | 936                          | 5       | 385859<br>405149 |
| 92     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 57.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Irk<br>Catchment Name: Mersey<br>Primacy: 1     | A18NW (N)                              | 936                          | 5       | 385873<br>405150 |
| 93     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 66.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A19NW (NE)                             | 938                          | 5       | 386379<br>405054 |
| 94     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 185.8<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Irk<br>Catchment Name: Mersey<br>Primacy: 1    | A18NW (N)                              | 939                          | 5       | 385861<br>405152 |
| 95     | <b>OS Water Network Lines</b><br>Watercourse Form: Lake<br>Watercourse Length: 10.1<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1          | A19NW (N)                              | 949                          | 5       | 386357<br>405077 |
| 96     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 196.6<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1      | A17NW (NW)                             | 950                          | 5       | 385262<br>404868 |



| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 97     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 15.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A18NW (N)                              | 952                          | 5       | 385914 405169 |
| 98     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 277.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Irk<br>Catchment Name: Mersey<br>Primacy: 1    | A18NW (N)                              | 952                          | 5       | 385914 405169 |
| 99     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 10.4<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A19NW (N)                              | 959                          | 5       | 386362 405087 |
| 100    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 115.9<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1 | A7SE (SW)                              | 968                          | 5       | 385430 403326 |
| 101    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 87.7<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1       | A7SE (SW)                              | 968                          | 5       | 385430 403326 |
| 102    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 91.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1  | A19NW (N)                              | 970                          | 5       | 386365 405097 |
| 103    | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 18.1<br>Watercourse Level: Underground<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Mersey<br>Primacy: 1        | A7SE (SW)                              | 998                          | 5       | 385485 403257 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 104    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Symond Raod, Blackley, Manchester, Greater Manchester<br>Name: Land to the rear of Symond Road<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD16236<br>First Input Date: Not Supplied<br>Last Input Date: Not Supplied<br>Specified Waste: Not Supplied<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: Not Supplied<br>Other Ref: F026                              | A13NE (E)                              | 127                          | 2       | 386124 404214 |
| 105    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Plant Hill Road, Higher Blackley, Manchester, Greater Manchester<br>Name: Land at Tweedle Hill<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD16274<br>First Input Date: Not Supplied<br>Last Input Date: Not Supplied<br>Specified Waste: Not Supplied<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: Not Supplied<br>Other Ref: F002                              | A12SE (W)                              | 623                          | 2       | 385351 403973 |
| 106    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: White Moss Road, Blackley, Manchester, Greater Manchester<br>Name: Land off White Moss Road<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD16308<br>First Input Date: Not Supplied<br>Last Input Date: Not Supplied<br>Specified Waste: Not Supplied<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: Not Supplied<br>Other Ref: F003                                 | A8SE (S)                               | 748                          | 2       | 386242 403410 |
| 107    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Higher Blackley, Manchester, Greater Manchester<br>Name: Land at Pike Fold Lane<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD16307<br>First Input Date: Not Supplied<br>Last Input Date: Not Supplied<br>Specified Waste: Not Supplied<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: Not Supplied<br>Other Ref: F043                                             | A7NE (SW)                              | 884                          | 2       | 385342 403503 |
| 108    | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Boothroyden Road, Higher Blackley, Manchester, Greater Manchester<br>Name: Land at Boothroyden Road<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD16197<br>First Input Date: Not Supplied<br>Last Input Date: Not Supplied<br>Specified Waste: Deposited Waste included Inert Waste<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: Not Supplied<br>BGS Ref: Not Supplied<br>Other Ref: F047 | A17SW (NW)                             | 893                          | 2       | 385271 404793 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 109    | <b>Licensed Waste Management Facilities (Locations)</b><br>Licence Number: 50524<br>Location: Oldham Wastewater Treatment Works, The Causeway Off Gateway Crescent, Chadderton, Oldham, Lancashire, OL9 9XD<br>Operator Name: United Utilities Water Plc<br>Operator Location: Not Supplied<br>Authority: Environment Agency - North West Region, South Area<br>Site Category: Treatment - Biological<br><b>Licence Status: To PPC</b><br>Issued: 3rd January 2008<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: Not Supplied<br>IPPC Reference: HP3231LK<br>Positional Accuracy: Located by supplier to within 10m | A14SE (E)                              | 895                          | 2       | 386920 404160 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Manchester City Council<br>- Had landfill data but passed it to the relevant environment agency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        | 0                            | 6       | 385981 404165 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Rochdale Metropolitan Borough Council<br>- Has no landfill data to supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        | 366                          | 7       | 386383 404209 |
| 110    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: E<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A13SE (E)                              | 66                           | -       | 386082 404166 |
| 111    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: SE<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A13SE (SE)                             | 291                          | -       | 386225 403916 |
| 112    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: W<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A12SE (W)                              | 362                          | -       | 385590 404093 |
| 113    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: NE<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A18SE (NE)                             | 489                          | -       | 386216 404631 |
| 114    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: S<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A8NW (S)                               | 632                          | -       | 385750 403539 |
| 115    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: W<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A12SE (W)                              | 649                          | -       | 385342 403920 |
| 116    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: S<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A8NW (S)                               | 663                          | -       | 385758 403503 |
| 117    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: E<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A14NE (E)                              | 711                          | -       | 386704 404343 |
| 118    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: SW<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A7NE (SW)                              | 716                          | -       | 385624 403503 |
| 119    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: N<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A18NE (N)                              | 753                          | -       | 386020 404968 |
| 120    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: NW<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | A17SE (NW)                             | 777                          | -       | 385345 404699 |

| Map ID | Details                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 121    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: E<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990  | A14SE (E)                              | 830                          | -       | 386817<br>403883 |
| 122    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: N<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1984  | A18NW (N)                              | 842                          | -       | 385936<br>405059 |
| 123    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: S<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990  | A8SE (S)                               | 871                          | -       | 386106<br>403257 |
| 124    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: N<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1984  | A17NE (N)                              | 917                          | -       | 385616<br>405070 |
| 125    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: SW<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990 | A7SE (SW)                              | 956                          | -       | 385458<br>403321 |
| 126    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: SW<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990 | A7SE (SW)                              | 961                          | -       | 385487<br>403299 |
| 127    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: SE<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990 | A9SW (SE)                              | 969                          | -       | 386384<br>403226 |
| 128    | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: S<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1990  | A3NE (S)                               | 970                          | -       | 386015<br>403154 |
| 129    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956   | A13NW (N)                              | 41                           | -       | 385962<br>404258 |
| 130    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910   | A13NW (N)                              | 54                           | -       | 385975<br>404268 |
| 131    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910   | A13NE (E)                              | 73                           | -       | 386087<br>404173 |
| 132    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910   | A13SW (SW)                             | 129                          | -       | 385856<br>404059 |
| 133    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910   | A13SW (SW)                             | 178                          | -       | 385799<br>404059 |
| 134    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848   | A13NW (W)                              | 211                          | -       | 385737<br>404195 |
| 135    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910   | A13NE (N)                              | 215                          | -       | 385991<br>404429 |
| 136    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848   | A13NW (NW)                             | 235                          | -       | 385829<br>404417 |
| 137    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894   | A13NW (W)                              | 270                          | -       | 385679<br>404204 |
| 138    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894   | A13NW (W)                              | 273                          | -       | 385690<br>404282 |
| 139    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894   | A13SW (S)                              | 281                          | -       | 385890<br>403863 |



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| 140    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A18SW (N)                              | 311                          | -       | 385854<br>404512 |
| 141    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894 | A8NE (S)                               | 316                          | -       | 386001<br>403809 |
| 142    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A13SE (SE)                             | 364                          | -       | 386253<br>403842 |
| 143    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894 | A12SE (W)                              | 395                          | -       | 385558<br>404082 |
| 144    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894 | A12SE (W)                              | 397                          | -       | 385551<br>404107 |
| 145    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A13SW (SW)                             | 405                          | -       | 385686<br>403838 |
| 146    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A8NE (S)                               | 443                          | -       | 386133<br>403695 |
| 147    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A14SW (SE)                             | 460                          | -       | 386425<br>403901 |
| 148    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A14SW (SE)                             | 465                          | -       | 386447<br>403933 |
| 149    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A12NE (W)                              | 469                          | -       | 385504<br>404348 |
| 150    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894 | A12NE (NW)                             | 469                          | -       | 385542<br>404441 |
| 151    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A14SW (E)                              | 472                          | -       | 386497<br>404107 |
| 152    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A12SE (SW)                             | 477                          | -       | 385514<br>403958 |
| 153    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A12NE (NW)                             | 497                          | -       | 385499<br>404415 |
| 154    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894 | A18SW (N)                              | 502                          | -       | 385768<br>404684 |
| 155    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A8NE (S)                               | 511                          | -       | 386135<br>403626 |
| 156    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A17SE (NW)                             | 533                          | -       | 385581<br>404598 |
| 157    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894 | A14NW (E)                              | 554                          | -       | 386533<br>404356 |
| 158    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A12NE (W)                              | 564                          | -       | 385388<br>404250 |
| 159    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NW (SE)                              | 569                          | -       | 386412<br>403710 |
| 160    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1932 | A18SW (N)                              | 576                          | -       | 385755<br>404758 |

| Map ID | Details                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 161    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A12NE (W)                              | 579                          | -       | 385366<br>404171 |
| 162    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A18SE (N)                              | 585                          | -       | 386095<br>404786 |
| 163    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A14NW (E)                              | 587                          | -       | 386602<br>404245 |
| 164    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NW (SE)                              | 595                          | -       | 386436<br>403696 |
| 165    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A18SE (NE)                             | 596                          | -       | 386237<br>404743 |
| 166    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A12SE (W)                              | 596                          | -       | 385349<br>404162 |
| 167    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A14NW (E)                              | 606                          | -       | 386629<br>404190 |
| 168    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NW (SE)                              | 609                          | -       | 386434<br>403676 |
| 169    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894 | A8NW (S)                               | 611                          | -       | 385795<br>403547 |
| 170    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A14NW (NE)                             | 619                          | -       | 386563<br>404441 |
| 171    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A18SE (N)                              | 627                          | -       | 386138<br>404818 |
| 172    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1932 | A18SE (N)                              | 641                          | -       | 386185<br>404816 |
| 173    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A18SE (N)                              | 660                          | -       | 386239<br>404813 |
| 174    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NW (SE)                              | 660                          | -       | 386483<br>403651 |
| 175    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NW (SE)                              | 663                          | -       | 386476<br>403640 |
| 176    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A12SE (SW)                             | 666                          | -       | 385336<br>403891 |
| 177    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NW (SE)                              | 677                          | -       | 386612<br>403791 |
| 178    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894 | A18NE (N)                              | 688                          | -       | 386227<br>404850 |
| 179    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A7NW (SW)                              | 718                          | -       | 385308<br>403830 |
| 180    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894 | A7NE (SW)                              | 719                          | -       | 385452<br>403627 |
| 181    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A12SW (W)                              | 732                          | -       | 385227<br>404018 |



| Map ID | Details                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 182    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A12SW (W)                              | 734                          | -       | 385236 403968 |
| 183    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NW (SE)                              | 756                          | -       | 386640 403689 |
| 184    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A7NE (SW)                              | 756                          | -       | 385364 403672 |
| 185    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A18NW (N)                              | 764                          | -       | 385861 404976 |
| 186    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1894 | A18NE (N)                              | 769                          | -       | 386012 404984 |
| 187    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1932 | A19SW (NE)                             | 786                          | -       | 386477 404805 |
| 188    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A9SW (SE)                              | 786                          | -       | 386435 403455 |
| 189    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1932 | A19NW (NE)                             | 792                          | -       | 386436 404847 |
| 190    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A14NE (E)                              | 800                          | -       | 386820 404219 |
| 191    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A12SW (W)                              | 804                          | -       | 385189 403888 |
| 192    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NE (SE)                              | 809                          | -       | 386740 403749 |
| 193    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NE (SE)                              | 810                          | -       | 386728 403726 |
| 194    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A14SE (E)                              | 822                          | -       | 386815 403901 |
| 195    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A14NE (E)                              | 841                          | -       | 386865 404178 |
| 196    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A19NW (NE)                             | 851                          | -       | 386459 404903 |
| 197    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1932 | A19NW (NE)                             | 858                          | -       | 386373 404967 |
| 198    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A12NW (W)                              | 863                          | -       | 385095 404311 |
| 199    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A18NW (N)                              | 876                          | -       | 385982 405094 |
| 200    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A7NW (SW)                              | 881                          | -       | 385196 403697 |
| 201    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1932 | A19NW (NE)                             | 882                          | -       | 386364 404999 |
| 202    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A17SW (NW)                             | 885                          | -       | 385190 404664 |

| Map ID | Details                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 203    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A9SW (SE)                              | 885                          | -       | 386570 403429 |
| 204    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NE (SE)                              | 889                          | -       | 386669 403514 |
| 205    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A8SE (S)                               | 890                          | -       | 386259 403266 |
| 206    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A8SW (S)                               | 892                          | -       | 385961 403234 |
| 207    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NE (SE)                              | 902                          | -       | 386728 403562 |
| 208    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1848 | A19NW (NE)                             | 905                          | -       | 386552 404897 |
| 209    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A7NW (SW)                              | 908                          | -       | 385114 403794 |
| 210    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A9NE (E)                               | 917                          | -       | 386893 403832 |
| 211    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A18NW (N)                              | 922                          | -       | 385895 405138 |
| 212    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A14SE (E)                              | 933                          | -       | 386939 403938 |
| 213    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A9NE (SE)                              | 943                          | -       | 386751 403526 |
| 214    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1932 | A19NW (NE)                             | 947                          | -       | 386362 405073 |
| 215    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1938 | A9NE (SE)                              | 950                          | -       | 386743 403505 |
| 216    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A8SW (S)                               | 965                          | -       | 385958 403161 |
| 217    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1910 | A9NE (SE)                              | 965                          | -       | 386756 403497 |
| 218    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A14NE (E)                              | 973                          | -       | 386948 404443 |
| 219    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A19SE (NE)                             | 980                          | -       | 386898 404579 |
| 220    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1932 | A19NW (NE)                             | 986                          | -       | 386407 405094 |
| 221    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1956 | A3NW (S)                               | 991                          | -       | 385924 403137 |
| 222    | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1932 | A19SE (NE)                             | 999                          | -       | 386800 404765 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
|        | <b>BGS 1:625,000 Solid Geology</b><br>Description: Permian Rocks (Undifferentiated)                                                                                                                                                                                                                                                                           | A13SW (SE)                             | 0                            | 1       | 385981<br>404165 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A13SW (SE)                             | 0                            | 1       | 385981<br>404165 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg     | A13NE (NE)                             | 65                           | 1       | 386042<br>404235 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A13NE (NE)                             | 156                          | 1       | 386082<br>404309 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg     | A13SW (SW)                             | 249                          | 1       | 385785<br>403959 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A14NW (NE)                             | 582                          | 1       | 386517<br>404448 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <100 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A14NW (NE)                             | 586                          | 1       | 386509<br>404464 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 90 - 120 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration: | A14NW (E)                              | 611                          | 1       | 386627 404240 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:  | A19SW (NE)                             | 629                          | 1       | 386440 404618 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 30 - 45 mg/kg<br>Concentration:  | A19SW (NE)                             | 648                          | 1       | 386415 404673 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 90 - 120 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration: | A14NW (NE)                             | 670                          | 1       | 386621 404440 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 90 - 120 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration: | A19SW (NE)                             | 677                          | 1       | 386511 404608 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 90 - 120 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration: | A19SW (NE)                             | 698                          | 1       | 386488 404667 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 40 - 60 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:  | A12NW (W)                              | 758                          | 1       | 385219 404400 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:      | A18NE (N)                              | 783                          | 1       | 386277 404931 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 90 - 120 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration: | A18NE (N)                              | 789                          | 1       | 386292 404931 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 30 - 45 mg/kg<br>Concentration:  | A18NE (N)                              | 840                          | 1       | 386256 405001 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:      | A19NW (NE)                             | 866                          | 1       | 386435 404939 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 25 - 35 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:  | A19NW (NE)                             | 866                          | 1       | 386471 404915 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic <15 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: <100 mg/kg<br>Nickel 30 - 45 mg/kg<br>Concentration:                                                                                                                              | A8SE (S)                               | 895                          | 1       | 385990 403229 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 90 - 120 mg/kg<br>Concentration:<br>Lead Concentration: 100 - 200 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:                                                                                                                    | A15SW (E)                              | 975                          | 1       | 387000 404153 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 60 - 90 mg/kg<br>Concentration:<br>Lead Concentration: 100 - 200 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:                                                                                                                     | A15SW (E)                              | 975                          | 1       | 387000 404165 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil and Sediment<br>Arsenic 15 - 25 mg/kg<br>Concentration:<br>Cadmium <1.8 mg/kg<br>Concentration:<br>Chromium 90 - 120 mg/kg<br>Concentration:<br>Lead Concentration: 100 - 200 mg/kg<br>Nickel 15 - 30 mg/kg<br>Concentration:                                                                                                                    | A15NW (E)                              | 997                          | 1       | 387000 404341 |
| 223    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Crosslee Gravel Pit<br>Location: Higher Blackley, Manchester, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96900<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary, Devensian<br>Geology: Till, Devensian<br>Commodity: Sand and Gravel<br>Positional Accuracy: Located by supplier to within 10m | A13SE (SE)                             | 308                          | 1       | 386247 403913 |
| 224    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Haze Bottom Top Sand Pit<br>Location: Higher Blackley, Manchester, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96905<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary, Devensian<br>Geology: Till, Devensian<br>Commodity: Sand<br>Positional Accuracy: Located by supplier to within 10m       | A8NW (S)                               | 626                          | 1       | 385751 403545 |



| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 225    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Crossby'S Gravel Pit<br>Location: Higher Blackley, Manchester, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96901<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary, Devensian<br>Geology: Till, Devensian<br>Commodity: Sand and Gravel<br>Positional Accuracy: Located by supplier to within 10m                         | A14SE (E)                              | 831                          | 1       | 386819 403884 |
| 226    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Blackley Parsonage Sand Pit<br>Location: Higher Blackley, Manchester, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96903<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Individual'S Name Withheld<br>Operator Location: Not Supplied<br>Periodic Type: Triassic<br>Geology: Chester Formation (Chester Pebble Beds)<br>Commodity: Silica Sand<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 906                          | 1       | 386090 403220 |
| 226    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Blackley Parsonage Sand Pit<br>Location: Higher Blackley, Manchester, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96903<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Individual'S Name Withheld<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary<br>Geology: Glaciofluvial Deposits, Devensian<br>Commodity: Sand<br>Positional Accuracy: Located by supplier to within 10m            | A8SE (S)                               | 906                          | 1       | 386090 403220 |
| 227    | <b>BGS Recorded Mineral Sites</b><br>Site Name: Light Alders Sand Pit<br>Location: Rhodes, Middleton, Lancashire<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 96933<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary<br>Geology: Glaciofluvial Deposits, Devensian<br>Commodity: Sand<br>Positional Accuracy: Located by supplier to within 10m                                      | A17NE (N)                              | 939                          | 1       | 385609 405091 |
|        | <b>BGS Measured Urban Soil Chemistry</b><br>No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |                              |         |               |
|        | <b>BGS Urban Soil Chemistry Averages</b><br>No data available                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |                              |         |               |
|        | <b>Coal Mining Affected Areas</b><br>Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.                                                                                                                                                                                                                                                    | A13SW (SE)                             | 0                            | 8       | 385981 404165 |
|        | <b>Mining Instability</b><br>Mining Evidence: Inconclusive Coal Mining<br>Source: Ove Arup & Partners<br>Boundary Quality: As Supplied                                                                                                                                                                                                                                                                                                                                                                                      | A13SE (E)                              | 0                            | -       | 386000 404165 |
|        | <b>Non Coal Mining Areas of Great Britain</b><br>No Hazard                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |                              |         |               |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                       | A13SW (SE)                             | 0                            | 1       | 385981 404165 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                                                                                                                                                     | A13SW (SE)                             | 0                            | 1       | 385981 404165 |

| Map ID | Details                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13SW (SE)                             | 0                            | 1       | 385981 404165 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                       | A13SW (SE)                             | 0                            | 1       | 385981 404165 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13SW (SE)                             | 0                            | 1       | 385981 404165 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                      | A13SW (SE)                             | 0                            | 1       | 385981 404165 |
|        | <b>Radon Potential - Radon Affected Areas</b><br>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (SE)                             | 0                            | 1       | 385981 404165 |
|        | <b>Radon Potential - Radon Protection Measures</b><br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service                     | A13SW (SE)                             | 0                            | 1       | 385981 404165 |



| Map ID | Details                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 228    | <b>Contemporary Trade Directory Entries</b><br>Name: Eposdirect.Co.Uk<br>Location: 67, Victoria Avenue, Manchester, Lancashire, M9 0RD<br>Classification: Cash Registers & Check-Out Equipment<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the address or location                | A13SW (S)                              | 34                           | -       | 385973 404098 |
| 228    | <b>Contemporary Trade Directory Entries</b><br>Name: Epos Direct<br>Location: 67, Victoria Avenue, Manchester, M9 0RD<br>Classification: Cash Registers & Check-Out Equipment<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                          | A13SW (S)                              | 35                           | -       | 385972 404097 |
| 229    | <b>Contemporary Trade Directory Entries</b><br>Name: Vault Security<br>Location: 4, Bushnell Walk, Manchester, M9 6QN<br>Classification: Cleaning Services - Domestic<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                | A13NE (N)                              | 117                          | -       | 386022 404314 |
| 229    | <b>Contemporary Trade Directory Entries</b><br>Name: Unique Cleaning Services (Nw) Ltd<br>Location: 4, Bushnell Walk, Manchester, M9 6QN<br>Classification: Cleaning Services - Domestic<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                             | A13NE (N)                              | 117                          | -       | 386022 404314 |
| 230    | <b>Contemporary Trade Directory Entries</b><br>Name: A 3 Scrap Metal Collections<br>Location: 30, Symond Road, Manchester, M9 6GS<br>Classification: Scrap Metal Merchants<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                             | A13SE (E)                              | 165                          | -       | 386189 404151 |
| 231    | <b>Contemporary Trade Directory Entries</b><br>Name: All Done Cleaning Contracts<br>Location: 2, Courtfield Avenue, Manchester, M9 6RT<br>Classification: Cleaning Services - Commercial<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                             | A13SW (SW)                             | 286                          | -       | 385816 403889 |
| 231    | <b>Contemporary Trade Directory Entries</b><br>Name: Energy Brokers<br>Location: 21, Beardwood Road, Manchester, M9 6RW<br>Classification: Energy Efficient Products and Services<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                    | A13SW (SW)                             | 288                          | -       | 385799 403896 |
| 232    | <b>Contemporary Trade Directory Entries</b><br>Name: Pink Laydeez Cleaning Company<br>Location: 27, Charnwood Road, Manchester, M9 6QG<br>Classification: Cleaning Services - Domestic<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                               | A13NE (N)                              | 293                          | -       | 386007 404506 |
| 233    | <b>Contemporary Trade Directory Entries</b><br>Name: Chambers & Perkins<br>Location: 1194-1196, Rochdale Road, Manchester, M9 6FR<br>Classification: Cleaning Materials & Equipment<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                    | A14SW (E)                              | 334                          | -       | 386347 404041 |
| 234    | <b>Contemporary Trade Directory Entries</b><br>Name: Tesco Petrol Station<br>Location: Victoria Avenue E Blackley Manchester, Manchester, Greater Manchester, M9 6HP<br>Classification: Petrol Filling Stations<br><b>Status: Active</b><br>Positional Accuracy: Manually positioned to the address or location | A14SW (E)                              | 393                          | -       | 386395 403997 |
| 235    | <b>Contemporary Trade Directory Entries</b><br>Name: Jewish Cemetery<br>Location: 1106, Rochdale Road, Manchester, M9 6FQ<br>Classification: Cemeteries & Crematoria<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                 | A8NE (SE)                              | 447                          | -       | 386186 403709 |

| Map ID | Details                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 236    | <b>Contemporary Trade Directory Entries</b><br>Name: Craft In Iron<br>Location: 193, Victoria Avenue, Manchester, M9 0RA<br>Classification: Gate Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                    | A12SE (W)                              | 538                          | -       | 385407 404159 |
| 237    | <b>Contemporary Trade Directory Entries</b><br>Name: Marcins Technical Support Ltd<br>Location: 35, Amesbury Road, Manchester, M9 6JQ<br>Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE)                              | 545                          | -       | 386449 403784 |
| 238    | <b>Contemporary Trade Directory Entries</b><br>Name: Rentawasher<br>Location: Glenwyn Av, Manchester, M9 6JE<br>Classification: Washing Machines - Servicing & Repairs<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the road within the address or location                     | A9NW (SE)                              | 621                          | -       | 386365 403606 |
| 239    | <b>Contemporary Trade Directory Entries</b><br>Name: Blackley Bodywork<br>Location: Hill La, Manchester, M9 6PW<br>Classification: Car Body Repairs<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the road within the address or location                                        | A8SW (S)                               | 654                          | -       | 385884 403484 |
| 240    | <b>Contemporary Trade Directory Entries</b><br>Name: J P Forbes & Sons<br>Location: 8, Meadow Road, Middleton, Manchester, M24 1WH<br>Classification: Ceramic Manufacturers, Supplies & Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                  | A19SW (NE)                             | 731                          | -       | 386405 404794 |
| 241    | <b>Contemporary Trade Directory Entries</b><br>Name: Reflective Supplies<br>Location: 34, Mainway, Middleton, Manchester, M24 1PB<br>Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address     | A14NE (NE)                             | 774                          | -       | 386703 404508 |
| 242    | <b>Contemporary Trade Directory Entries</b><br>Name: Alan Gilligan Ltd<br>Location: 24, Meadow Road, Middleton, Manchester, M24 1WH<br>Classification: Carpet, Curtain & Upholstery Cleaners<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                      | A19NW (NE)                             | 823                          | -       | 386474 404856 |
| 243    | <b>Contemporary Trade Directory Entries</b><br>Name: Enterprise Motorcycle Services<br>Location: 19, Wilma Avenue, Manchester, M9 8LW<br>Classification: Garage Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                          | A12SW (W)                              | 831                          | -       | 385138 403963 |
| 244    | <b>Contemporary Trade Directory Entries</b><br>Name: Streetwise Travel<br>Location: 26, Worcester Road, Middleton, Manchester, Lancashire, M24 1WZ<br>Classification: Bus & Coach Operators & Stations<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address            | A14NE (E)                              | 885                          | -       | 386876 404377 |
| 245    | <b>Contemporary Trade Directory Entries</b><br>Name: Solar Blinds<br>Location: 8, Haverfield Road, Manchester, M9 6NY<br>Classification: Blinds, Awnings & Canopies<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                               | A8SE (S)                               | 930                          | -       | 386107 403198 |
| 246    | <b>Contemporary Trade Directory Entries</b><br>Name: Mcclean<br>Location: 29, Stanage Avenue, Manchester, M9 6HH<br>Classification: Cleaning Services - Domestic<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                  | A14SE (E)                              | 931                          | -       | 386925 403893 |
| 247    | <b>Contemporary Trade Directory Entries</b><br>Name: Harrison Cleaning Specialists<br>Location: 32, Gildersdale Drive, Manchester, M9 0SN<br>Classification: Commercial Cleaning Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                           | A17SW (NW)                             | 936                          | -       | 385077 404544 |



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| 247    | <b>Contemporary Trade Directory Entries</b><br>Name: Ace Asphalt Co<br>Location: 34, Gildersdale Drive, Manchester, M9 0SN<br>Classification: Asphalt & Coated Macadam Laying Contractors<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address           | A17SW (NW)                             | 949                          | -       | 385069 404558 |
| 247    | <b>Contemporary Trade Directory Entries</b><br>Name: Ace Asphalt Ltd<br>Location: 34, Gildersdale Drive, Manchester, M9 0SN<br>Classification: Asphalt & Coated Macadam Laying Contractors<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address            | A17SW (NW)                             | 949                          | -       | 385069 404558 |
| 247    | <b>Contemporary Trade Directory Entries</b><br>Name: Ace Asphalt Co<br>Location: 34, Gildersdale Drive, Manchester, M9 0SN<br>Classification: Asphalt & Coated Macadam Laying Contractors<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address           | A17SW (NW)                             | 949                          | -       | 385069 404558 |
| 247    | <b>Contemporary Trade Directory Entries</b><br>Name: Ace Asphalt<br>Location: 34, Gildersdale Drive, Manchester, M9 0SN<br>Classification: Asphalt & Coated Macadam Laying Contractors<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address              | A17SW (NW)                             | 949                          | -       | 385069 404558 |
| 247    | <b>Contemporary Trade Directory Entries</b><br>Name: Ace Asphalt Ltd<br>Location: 34, Gildersdale Drive, Manchester, M9 0SN<br>Classification: Asphalt & Coated Macadam Laying Contractors<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address          | A17SW (NW)                             | 949                          | -       | 385069 404558 |
| 248    | <b>Contemporary Trade Directory Entries</b><br>Name: Ah Motors<br>Location: 29, Mainway, Middleton, Manchester, M24 1LE<br>Classification: Car Dealers - Used<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                       | A19SE (NE)                             | 955                          | -       | 386874 404570 |
| 249    | <b>Fuel Station Entries</b><br>Name: Avenue Self Serve<br>Location: 1357, Rochdale Road , , Manchester, Greater Manchester, M9 6QT<br>Brand: OBSOLETE<br>Premises Type: Not Applicable<br><b>Status: Obsolete</b><br>Positional Accuracy: Located by supplier to within 10m                    | A13SE (SE)                             | 303                          | -       | 386300 404000 |
| 250    | <b>Fuel Station Entries</b><br>Name: Tesco Blackley Automat<br>Location: Victoria Avenue East , Blackley , Manchester, Greater Manchester, M9 6HP<br>Brand: Tesco<br>Premises Type: Hypermarket<br><b>Status: Open</b><br>Positional Accuracy: Manually positioned to the address or location  | A14SW (SE)                             | 535                          | -       | 386518 403921 |
| 251    | <b>Points of Interest - Commercial Services</b><br>Name: A3 Scrap Metal Collections<br>Location: 30 Symond Road, Manchester, M9 6GS<br>Category: Recycling Services<br>Class Code: Scrap Metal Merchants<br>Positional Accuracy: Positioned to address or location                             | A13SE (E)                              | 165                          | 9       | 386189 404151 |
| 251    | <b>Points of Interest - Commercial Services</b><br>Name: A 3 Scrap Metal Collections<br>Location: 30 Symond Road, Manchester, M9 6GS<br>Category: Recycling Services<br>Class Code: Scrap Metal Merchants<br>Positional Accuracy: Positioned to address or location                            | A13SE (E)                              | 165                          | 9       | 386189 404151 |
| 252    | <b>Points of Interest - Commercial Services</b><br>Name: W Matthews Road Transport Ltd<br>Location: 13 Greenway, Middleton, Manchester, M24 1WR<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A14NW (E)                              | 527                          | 9       | 386533 404271 |

| Map ID | Details                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 253    | <b>Points of Interest - Commercial Services</b><br>Name: Marcins Technical Support Ltd<br>Location: 35 Amesbury Road, Manchester, M9 6JQ<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location          | A9NW (SE)                              | 545                          | 9       | 386449 403784 |
| 254    | <b>Points of Interest - Commercial Services</b><br>Name: Reflective Supplies<br>Location: 34 Mainway, Middleton, Manchester, M24 1PB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location              | A14NE (NE)                             | 774                          | 9       | 386703 404508 |
| 255    | <b>Points of Interest - Commercial Services</b><br>Name: Enterprise Motorcycle Services<br>Location: 19 Wilma Avenue, Manchester, M9 8LW<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location          | A12SW (W)                              | 831                          | 9       | 385138 403963 |
| 256    | <b>Points of Interest - Commercial Services</b><br>Name: Speciality Valeting Mobile Services<br>Location: 6 Torksey Walk, Manchester, M9 0NN<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location | A12NW (W)                              | 935                          | 9       | 385010 404180 |
| 257    | <b>Points of Interest - Manufacturing and Production</b><br>Name: The Granite Xchange<br>Location: 1148a Rochdale Road, Manchester, M9 6FQ<br>Category: Extractive Industries<br>Class Code: Stone Quarrying and Preparation<br>Positional Accuracy: Positioned to address or location             | A13SE (SE)                             | 345                          | 9       | 386266 403880 |
| 258    | <b>Points of Interest - Public Infrastructure</b><br>Name: Tesco Petrol Station<br>Location: Victoria Avenue E Blackley Manchester, Manchester, M9 6HP<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                | A14SW (E)                              | 393                          | 9       | 386395 403997 |
| 259    | <b>Points of Interest - Public Infrastructure</b><br>Name: Jewish Cemetery<br>Location: 1106 Rochdale Road, Manchester, M9 6FQ<br>Category: Infrastructure and Facilities<br>Class Code: Cemeteries and Crematoria<br>Positional Accuracy: Positioned to address or location                       | A8NE (SE)                              | 447                          | 9       | 386186 403709 |
| 259    | <b>Points of Interest - Public Infrastructure</b><br>Name: Jewish Cemetery<br>Location: 1106 Rochdale Road, Manchester, M9 6FQ<br>Category: Infrastructure and Facilities<br>Class Code: Cemeteries and Crematoria<br>Positional Accuracy: Positioned to address or location                       | A8NE (SE)                              | 447                          | 9       | 386186 403709 |
| 259    | <b>Points of Interest - Public Infrastructure</b><br>Name: Cemetery<br>Location: M9<br>Category: Infrastructure and Facilities<br>Class Code: Cemeteries and Crematoria<br>Positional Accuracy: Positioned to an adjacent address or location                                                      | A8NE (SE)                              | 502                          | 9       | 386275 403690 |
| 260    | <b>Points of Interest - Public Infrastructure</b><br>Name: Tesco Blackley Automat<br>Location: Victoria Avenue East, Blackley, Manchester, M9<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                         | A14SW (SE)                             | 535                          | 9       | 386518 403921 |
| 261    | <b>Points of Interest - Public Infrastructure</b><br>Name: Burial Ground<br>Location: Not Supplied<br>Category: Infrastructure and Facilities<br>Class Code: Cemeteries and Crematoria<br>Positional Accuracy: Positioned to an adjacent address or location                                       | A18SW (NW)                             | 589                          | 9       | 385685 404742 |
| 261    | <b>Points of Interest - Public Infrastructure</b><br>Name: Burial Ground<br>Location: M9<br>Category: Infrastructure and Facilities<br>Class Code: Cemeteries and Crematoria<br>Positional Accuracy: Positioned to an adjacent address or location                                                 | A18SW (NW)                             | 589                          | 9       | 385685 404742 |



| Map ID | Details                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 262    | <b>Points of Interest - Public Infrastructure</b><br>Name: Blackley Fire Station<br>Location: Fire Station 1058-1060, Rochdale Road, Manchester, M9 7EQ<br>Category: Central and Local Government<br>Class Code: Fire Brigade Stations<br>Positional Accuracy: Positioned to address or location                  | A8SE (S)                               | 741                          | 9       | 386050 403383 |
| 262    | <b>Points of Interest - Public Infrastructure</b><br>Name: Greater Manchester County Fire Service<br>Location: Fire Station 1058-1060, Rochdale Road, Manchester, M9 7EQ<br>Category: Central and Local Government<br>Class Code: Fire Brigade Stations<br>Positional Accuracy: Positioned to address or location | A8SE (S)                               | 741                          | 9       | 386051 403384 |
| 263    | <b>Points of Interest - Public Infrastructure</b><br>Name: Old Dam<br>Location: M9<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                                | A18NW (N)                              | 925                          | 9       | 385890 405141 |
| 263    | <b>Points of Interest - Public Infrastructure</b><br>Name: Old Dam<br>Location: M9<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                                | A18NW (N)                              | 926                          | 9       | 385893 405142 |
| 263    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: M9<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                                   | A18NW (N)                              | 937                          | 9       | 385883 405152 |
| 263    | <b>Points of Interest - Public Infrastructure</b><br>Name: Weir<br>Location: M9<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                                   | A18NW (N)                              | 938                          | 9       | 385886 405153 |
| 263    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluice<br>Location: M9<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                                 | A18NW (N)                              | 943                          | 9       | 385819 405151 |
| 263    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sluice<br>Location: M9<br>Category: Water<br>Class Code: Weirs, Sluices and Dams<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                                 | A18NW (N)                              | 944                          | 9       | 385815 405152 |
| 264    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Play Area<br>Location: M9<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                          | A13NE (N)                              | 142                          | 9       | 385999 404353 |
| 265    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                               | A13SW (SW)                             | 398                          | 9       | 385684 403849 |
| 265    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Ashdown Avenue, M9<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                         | A13SW (SW)                             | 398                          | 9       | 385684 403849 |
| 266    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Skatepark<br>Location: M9<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                          | A7NE (SW)                              | 526                          | 9       | 385632 403724 |

| Map ID | Details                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 267    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Play Area<br>Location: M9<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location            | A8SE (S)                               | 829                          | 9       | 386081 403297 |
| 268    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Play Area<br>Location: M9<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location            | A12NW (W)                              | 876                          | 9       | 385074 404249 |
| 269    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Boardman Fold Road, M24<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location  | A14NE (E)                              | 951                          | 9       | 386969 404247 |
| 269    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location | A14NE (E)                              | 960                          | 9       | 386978 404246 |



| Map ID | Details                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|---------------|
| 270    | <b>Ancient Woodland</b><br>Name: Not Supplied<br>Reference: 1415949<br>Area(m²): 30909.09<br>Type: Ancient and Semi-Natural Woodland                                | A9SW (SE)                              | 995                          | 10      | 386516 403260 |
| 271    | <b>Local Nature Reserves</b><br>Name: Alkrington Woods<br>Multiple Area: N<br>Area (m2): 493961.02<br>Source: Natural England<br>Designation Date: 1st January 1987 | A14NW (NE)                             | 539                          | 10      | 386460 404452 |
| 272    | <b>Nitrate Vulnerable Zones</b><br>Name: River Irk (Moston Brook To River Irwell) Nvz<br>Description: Surface Water<br>Source: Environment Agency, Head Office      | A13SW (SE)                             | 0                            | 4       | 385981 404165 |

| Agency & Hydrological                                                                                                                                                                                                                                                                                                                                                                                                                       | Version                                                                                        | Update Cycle                                                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Contaminated Land Register Entries and Notices</b><br>Environment Agency - Head Office<br>Salford City Council - Environmental Health Department<br>Bury Metropolitan Borough Council - Environmental Health Department<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Oldham Metropolitan Borough Council - Environmental Health Department<br>Manchester City Council - Environmental Health Department | June 2020<br>November 2013<br>October 2013<br>October 2017<br>September 2013<br>September 2014 | Annually<br>Annual Rolling Update<br>Annual Rolling Update<br>Annually<br>Annual Rolling Update<br>Annual Rolling Update |
| <b>Discharge Consents</b><br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                                                                         | October 2020                                                                                   | Quarterly                                                                                                                |
| <b>Enforcement and Prohibition Notices</b><br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                                                        | March 2013                                                                                     | Annual Rolling Update                                                                                                    |
| <b>Integrated Pollution Controls</b><br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                                                              | October 2008                                                                                   | Variable                                                                                                                 |
| <b>Integrated Pollution Prevention And Control</b><br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                                                | October 2020                                                                                   | Quarterly                                                                                                                |
| <b>Local Authority Integrated Pollution Prevention And Control</b><br>Bury Metropolitan Borough Council - Environmental Health Department<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Oldham Metropolitan Borough Council - Environmental Health Department<br>Salford City Council - Environmental Health Department<br>Manchester City Council - Environmental Health Department                        | February 2015<br>July 2014<br>March 2015<br>March 2015<br>September 2014                       | Variable<br>Variable<br>Variable<br>Variable<br>Variable                                                                 |
| <b>Local Authority Pollution Prevention and Controls</b><br>Bury Metropolitan Borough Council - Environmental Health Department<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Oldham Metropolitan Borough Council - Environmental Health Department<br>Salford City Council - Environmental Health Department<br>Manchester City Council - Environmental Health Department                                  | February 2015<br>July 2014<br>March 2015<br>March 2015<br>September 2014                       | Not Applicable<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update       |
| <b>Local Authority Pollution Prevention and Control Enforcements</b><br>Bury Metropolitan Borough Council - Environmental Health Department<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Salford City Council - Environmental Health Department<br>Oldham Metropolitan Borough Council - Environmental Health Department<br>Manchester City Council - Environmental Health Department                      | February 2015<br>July 2014<br>March 2015<br>September 2013<br>September 2014                   | Variable<br>Variable<br>Variable<br>Variable<br>Variable                                                                 |
| <b>Nearest Surface Water Feature</b><br>Ordnance Survey                                                                                                                                                                                                                                                                                                                                                                                     | October 2020                                                                                   |                                                                                                                          |
| <b>Pollution Incidents to Controlled Waters</b><br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                                                   | January 2000                                                                                   | Not Applicable                                                                                                           |
| <b>Prosecutions Relating to Authorised Processes</b><br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                                              | March 2013                                                                                     | Annual Rolling Update                                                                                                    |
| <b>Prosecutions Relating to Controlled Waters</b><br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                                                 | March 2013                                                                                     | Annual Rolling Update                                                                                                    |
| <b>Registered Radioactive Substances</b><br>Environment Agency - North West Region                                                                                                                                                                                                                                                                                                                                                          | June 2016                                                                                      |                                                                                                                          |
| <b>River Quality</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                                                    | November 2001                                                                                  | Not Applicable                                                                                                           |
| <b>River Quality Biology Sampling Points</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                            | July 2012                                                                                      | Annually                                                                                                                 |
| <b>River Quality Chemistry Sampling Points</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                                                                                                                                          | July 2012                                                                                      | Annually                                                                                                                 |
| <b>Substantiated Pollution Incident Register</b><br>Environment Agency - North West Region - South Area                                                                                                                                                                                                                                                                                                                                     | October 2020                                                                                   | Quarterly                                                                                                                |



| Agency & Hydrological                                                                                                 | Version        | Update Cycle |
|-----------------------------------------------------------------------------------------------------------------------|----------------|--------------|
| <b>Water Abstractions</b><br>Environment Agency - North West Region                                                   | January 2021   | Quarterly    |
| <b>Water Industry Act Referrals</b><br>Environment Agency - North West Region                                         | October 2017   | Quarterly    |
| <b>Groundwater Vulnerability Map</b><br>Environment Agency - Head Office                                              | June 2018      | As notified  |
| <b>Bedrock Aquifer Designations</b><br>Environment Agency - Head Office                                               | January 2018   | Annually     |
| <b>Superficial Aquifer Designations</b><br>Environment Agency - Head Office                                           | January 2018   | Annually     |
| <b>Source Protection Zones</b><br>Environment Agency - Head Office                                                    | October 2019   | Quarterly    |
| <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                       | September 2020 | Quarterly    |
| <b>Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                               | September 2020 | Quarterly    |
| <b>Areas Benefiting from Flood Defences</b><br>Environment Agency - Head Office                                       | September 2020 | Quarterly    |
| <b>Flood Water Storage Areas</b><br>Environment Agency - Head Office                                                  | September 2020 | Quarterly    |
| <b>Flood Defences</b><br>Environment Agency - Head Office                                                             | September 2020 | Quarterly    |
| <b>OS Water Network Lines</b><br>Ordnance Survey                                                                      | September 2020 | Quarterly    |
| <b>Surface Water 1 in 30 year Flood Extent</b><br>Environment Agency - Head Office                                    | October 2013   | Annually     |
| <b>Surface Water 1 in 100 year Flood Extent</b><br>Environment Agency - Head Office                                   | October 2013   | Annually     |
| <b>Surface Water 1 in 1000 year Flood Extent</b><br>Environment Agency - Head Office                                  | October 2013   | Annually     |
| <b>Surface Water Suitability</b><br>Environment Agency - Head Office                                                  | October 2013   | Annually     |
| <b>BGS Groundwater Flooding Susceptibility</b><br>British Geological Survey - National Geoscience Information Service | May 2013       | Annually     |

| Waste                                                                                                                                                                                                                                                                                                            | Version                                                                       | Update Cycle                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| <b>BGS Recorded Landfill Sites</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                        | June 1996                                                                     | Not Applicable                                                                         |
| <b>Historical Landfill Sites</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                             | October 2019                                                                  | Quarterly                                                                              |
| <b>Integrated Pollution Control Registered Waste Sites</b><br>Environment Agency - North West Region                                                                                                                                                                                                             | October 2008                                                                  | Not Applicable                                                                         |
| <b>Licensed Waste Management Facilities (Landfill Boundaries)</b><br>Environment Agency - North West Region - South Area                                                                                                                                                                                         | October 2020                                                                  | Quarterly                                                                              |
| <b>Licensed Waste Management Facilities (Locations)</b><br>Environment Agency - North West Region - South Area                                                                                                                                                                                                   | October 2020                                                                  | Quarterly                                                                              |
| <b>Local Authority Landfill Coverage</b><br>Bury Metropolitan Borough Council<br>Manchester City Council - Planning Department<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Salford City Council - Environmental Health Department       | May 2000<br>May 2000<br>May 2000<br>May 2000<br>May 2000                      | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable |
| <b>Local Authority Recorded Landfill Sites</b><br>Bury Metropolitan Borough Council<br>Manchester City Council - Planning Department<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council - Environmental Health Department<br>Salford City Council - Environmental Health Department | May 2000<br>May 2000<br>May 2000<br>May 2000<br>May 2000                      | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable |
| <b>Potentially Infilled Land (Non-Water)</b><br>Landmark Information Group Limited                                                                                                                                                                                                                               | December 1999                                                                 | Not Applicable                                                                         |
| <b>Potentially Infilled Land (Water)</b><br>Landmark Information Group Limited                                                                                                                                                                                                                                   | December 1999                                                                 | Not Applicable                                                                         |
| <b>Registered Landfill Sites</b><br>Environment Agency - North West Region - South Area                                                                                                                                                                                                                          | March 2003                                                                    | Not Applicable                                                                         |
| <b>Registered Waste Transfer Sites</b><br>Environment Agency - North West Region - South Area                                                                                                                                                                                                                    | March 2003                                                                    | Not Applicable                                                                         |
| <b>Registered Waste Treatment or Disposal Sites</b><br>Environment Agency - North West Region - South Area                                                                                                                                                                                                       | March 2003                                                                    | Not Applicable                                                                         |
| Hazardous Substances                                                                                                                                                                                                                                                                                             | Version                                                                       | Update Cycle                                                                           |
| <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Health and Safety Executive                                                                                                                                                                                                                            | April 2018                                                                    | Bi-Annually                                                                            |
| <b>Explosive Sites</b><br>Health and Safety Executive                                                                                                                                                                                                                                                            | March 2017                                                                    | Annually                                                                               |
| <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Health and Safety Executive                                                                                                                                                                                                        | November 2000                                                                 | Not Applicable                                                                         |
| <b>Planning Hazardous Substance Enforcements</b><br>Bury Metropolitan Borough Council<br>Manchester City Council - Planning Department<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council<br>Salford City Council                                                                   | February 2016<br>February 2016<br>February 2016<br>February 2016<br>June 2016 | Variable<br>Variable<br>Variable<br>Variable<br>Variable                               |
| <b>Planning Hazardous Substance Consents</b><br>Bury Metropolitan Borough Council<br>Manchester City Council - Planning Department<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council<br>Salford City Council                                                                       | February 2016<br>February 2016<br>February 2016<br>February 2016<br>June 2016 | Variable<br>Variable<br>Variable<br>Variable<br>Variable                               |



| Geological                                                                                                                                      | Version        | Update Cycle          |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------|
| <b>BGS 1:625,000 Solid Geology</b><br>British Geological Survey - National Geoscience Information Service                                       | January 2009   | Not Applicable        |
| <b>BGS Estimated Soil Chemistry</b><br>British Geological Survey - National Geoscience Information Service                                      | October 2015   | Annually              |
| <b>BGS Recorded Mineral Sites</b><br>British Geological Survey - National Geoscience Information Service                                        | November 2020  | Bi-Annually           |
| <b>CBSCB Compensation District</b><br>Cheshire Brine Subsidence Compensation Board (CBSCB)                                                      | August 2011    | Not Applicable        |
| <b>Coal Mining Affected Areas</b><br>The Coal Authority - Property Searches                                                                     | March 2014     | Annual Rolling Update |
| <b>Mining Instability</b><br>Ove Arup & Partners                                                                                                | October 2000   | Not Applicable        |
| <b>Non Coal Mining Areas of Great Britain</b><br>British Geological Survey - National Geoscience Information Service                            | May 2015       | Not Applicable        |
| <b>Potential for Collapsible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                | April 2020     | Annually              |
| <b>Potential for Compressible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service               | January 2019   | Annually              |
| <b>Potential for Ground Dissolution Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                | January 2019   | Annually              |
| <b>Potential for Landslide Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019   | Annually              |
| <b>Potential for Running Sand Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service               | January 2019   | Annually              |
| <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service | January 2019   | Annually              |
| <b>Radon Potential - Radon Affected Areas</b><br>British Geological Survey - National Geoscience Information Service                            | July 2011      | Annually              |
| <b>Radon Potential - Radon Protection Measures</b><br>British Geological Survey - National Geoscience Information Service                       | July 2011      | Annually              |
| Industrial Land Use                                                                                                                             | Version        | Update Cycle          |
| <b>Contemporary Trade Directory Entries</b><br>Thomson Directories                                                                              | October 2020   | Quarterly             |
| <b>Fuel Station Entries</b><br>Catalist Ltd - Experian                                                                                          | September 2020 | Quarterly             |
| <b>Gas Pipelines</b><br>National Grid                                                                                                           | January 2021   |                       |
| <b>Points of Interest - Commercial Services</b><br>PointX                                                                                       | December 2020  | Quarterly             |
| <b>Points of Interest - Education and Health</b><br>PointX                                                                                      | December 2020  | Quarterly             |
| <b>Points of Interest - Manufacturing and Production</b><br>PointX                                                                              | December 2020  | Quarterly             |
| <b>Points of Interest - Public Infrastructure</b><br>PointX                                                                                     | December 2020  | Quarterly             |
| <b>Points of Interest - Recreational and Environmental</b><br>PointX                                                                            | December 2020  | Quarterly             |
| <b>Underground Electrical Cables</b><br>National Grid                                                                                           | August 2020    |                       |

| Sensitive Land Use                                                                                                                                                                                           | Version                                                       | Update Cycle                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Ancient Woodland</b><br>Natural England                                                                                                                                                                   | April 2020                                                    | Bi-Annually                                                             |
| <b>Areas of Adopted Green Belt</b><br>Bury Metropolitan Borough Council<br>Manchester City Council<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council<br>Salford City Council   | June 2020<br>June 2020<br>June 2020<br>June 2020<br>June 2020 | As notified<br>As notified<br>As notified<br>As notified<br>As notified |
| <b>Areas of Unadopted Green Belt</b><br>Bury Metropolitan Borough Council<br>Manchester City Council<br>Oldham Metropolitan Borough Council<br>Rochdale Metropolitan Borough Council<br>Salford City Council | June 2020<br>June 2020<br>June 2020<br>June 2020<br>June 2020 | As notified<br>As notified<br>As notified<br>As notified<br>As notified |
| <b>Areas of Outstanding Natural Beauty</b><br>Natural England                                                                                                                                                | January 2021                                                  | Bi-Annually                                                             |
| <b>Environmentally Sensitive Areas</b><br>Natural England                                                                                                                                                    | January 2017                                                  |                                                                         |
| <b>Forest Parks</b><br>Forestry Commission                                                                                                                                                                   | April 1997                                                    | Not Applicable                                                          |
| <b>Local Nature Reserves</b><br>Natural England                                                                                                                                                              | April 2020                                                    | Bi-Annually                                                             |
| <b>Marine Nature Reserves</b><br>Natural England                                                                                                                                                             | July 2019                                                     | Bi-Annually                                                             |
| <b>National Nature Reserves</b><br>Natural England                                                                                                                                                           | January 2021                                                  | Bi-Annually                                                             |
| <b>National Parks</b><br>Natural England                                                                                                                                                                     | April 2017                                                    | Bi-Annually                                                             |
| <b>Nitrate Sensitive Areas</b><br>Natural England                                                                                                                                                            | April 2016                                                    | Not Applicable                                                          |
| <b>Nitrate Vulnerable Zones</b><br>Environment Agency - Head Office<br>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)                                                            | December 2017<br>October 2015                                 | Bi-Annually                                                             |
| <b>Ramsar Sites</b><br>Natural England                                                                                                                                                                       | August 2020                                                   | Bi-Annually                                                             |
| <b>Sites of Special Scientific Interest</b><br>Natural England                                                                                                                                               | May 2020                                                      | Bi-Annually                                                             |
| <b>Special Areas of Conservation</b><br>Natural England                                                                                                                                                      | July 2020                                                     | Bi-Annually                                                             |
| <b>Special Protection Areas</b><br>Natural England                                                                                                                                                           | September 2020                                                | Bi-Annually                                                             |



A selection of organisations who provide data within this report

| Data Supplier                          | Data Supplier Logo                                                                                                                                                    |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ordnance Survey                        |                                                                                    |
| Environment Agency                     |                                                                                    |
| Scottish Environment Protection Agency |                                                                                    |
| The Coal Authority                     |                                                                                    |
| British Geological Survey              |  <b>British Geological Survey</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL          |
| Centre for Ecology and Hydrology       |  <b>Centre for Ecology &amp; Hydrology</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL |
| Natural Resources Wales                |                                                                                   |
| Scottish Natural Heritage              |                                                                                  |
| Natural England                        |                                                                                  |
| Public Health England                  |                                                                                  |
| Ove Arup                               |                                                                                  |
| Stantec UK Ltd                         |                                                                                  |

| Contact | Name and Address                                                                                                                                                     | Contact Details                                                                                                                 |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1       | <b>British Geological Survey - Enquiry Service</b><br>British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG       | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk                          |
| 2       | <b>Environment Agency - National Customer Contact Centre (NCCC)</b><br>PO Box 544, Templeborough, Rotherham, S60 1BY                                                 | Telephone: 03708 506 506<br>Email: enquiries@environment-agency.gov.uk                                                          |
| 3       | <b>Manchester City Council - Environmental Health Department</b><br>PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY          | Telephone: 0161 234 4884 / 234 4873.<br>Fax: 0161 234 4508<br>Website: www.manchester.gov.uk                                    |
| 4       | <b>Environment Agency - Head Office</b><br>Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD                                              | Telephone: 01454 624400<br>Fax: 01454 624409                                                                                    |
| 5       | <b>Ordnance Survey</b><br>Adanac Drive, Southampton, Hampshire, SO16 0AS                                                                                             | Telephone: 03456 05 05 05<br>Email: customerservices@ordnancesurvey.co.uk<br>Website: www.ordnancesurvey.gov.uk                 |
| 6       | <b>Manchester City Council - Planning Department</b><br>Town Hall, Manchester, Greater Manchester, M60 2LA                                                           | Telephone: 0161 234 5000<br>Fax: 0161 234 4508<br>Website: www.manchester.gov.uk                                                |
| 7       | <b>Rochdale Metropolitan Borough Council - Environmental Health Department</b><br>P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH | Telephone: 01706 864139<br>Fax: 01706 864185<br>Website: www.rochdale.gov.uk                                                    |
| 8       | <b>The Coal Authority - Property Searches</b><br>200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG                                                            | Telephone: 0345 762 6848<br>Fax: 01623 637 338<br>Email: groundstability@coal.gov.uk<br>Website: www2.groundstability.com       |
| 9       | <b>PointX</b><br>7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY                                                                                            | Website: www.pointx.co.uk                                                                                                       |
| 10      | <b>Natural England</b><br>County Hall, Spetchley Road, Worcester, WR5 2NP                                                                                            | Telephone: 0300 060 3900<br>Email: enquiries@naturalengland.org.uk<br>Website: www.naturalengland.org.uk                        |
| 11      | <b>Bury Metropolitan Borough Council</b><br>Craig House, Bank Street, Bury, Lancashire, BL9 0DN                                                                      | Telephone: 0161 253 5000<br>Fax: 0161 705 5290<br>Website: www.bury.gov.uk                                                      |
| 12      | <b>Manchester City Council</b><br>Town Hall, Albert Square, Manchester, Greater Manchester, M60 2JT                                                                  | Telephone: 0161 234 5000<br>Fax: 0161 234 4508<br>Website: www.manchester.gov.uk                                                |
| -       | <b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b><br>Chilton, Didcot, Oxfordshire, OX11 0RQ                      | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org                             |
| -       | <b>Landmark Information Group Limited</b><br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD                                                                     | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



## Geology 1:50,000 Maps Legends

### Artificial Ground and Landslip

| Map Colour                                                                        | Lex Code | Rock Name               | Rock Type                  | Min and Max Age           |
|-----------------------------------------------------------------------------------|----------|-------------------------|----------------------------|---------------------------|
|  | MGR      | Made Ground (Undivided) | Artificial Deposit         | Not Supplied - Holocene   |
|  | SLIP     | Landslide Deposit       | Unknown/Unclassified Entry | Not Supplied - Quaternary |

### Superficial Geology

| Map Colour                                                                        | Lex Code | Rock Name                                     | Rock Type                   | Min and Max Age           |
|-----------------------------------------------------------------------------------|----------|-----------------------------------------------|-----------------------------|---------------------------|
|  | ALV      | Alluvium                                      | Clay, Silt, Sand and Gravel | Not Supplied - Holocene   |
|  | TILLD    | Till, Devensian                               | Diamicton                   | Not Supplied - Devensian  |
|  | GFSDD    | Glaciofluvial Sheet Deposits, Devensian       | Sand and Gravel             | Not Supplied - Devensian  |
|  | HMGDD    | Hummocky (Moundy) Glacial Deposits, Devensian | Sand and Gravel             | Not Supplied - Devensian  |
|  | GFDUD    | Glaciofluvial Deposits, Devensian             | Sand and Gravel             | Not Supplied - Devensian  |
|  | HMGDD    | Hummocky (Moundy) Glacial Deposits, Devensian | Diamicton                   | Not Supplied - Devensian  |
|  | PEAT     | Peat                                          | Peat                        | Not Supplied - Quaternary |
|  | HEAD     | Head                                          | Clay, Silt, Sand and Gravel | Not Supplied - Quaternary |

### Bedrock and Faults

| Map Colour                                                                          | Lex Code | Rock Name                              | Rock Type                         | Min and Max Age            |
|-------------------------------------------------------------------------------------|----------|----------------------------------------|-----------------------------------|----------------------------|
|  | CHES     | Chester Formation                      | Sandstone                         | Not Supplied - Olenekian   |
|  | MM       | Manchester Marls Formation             | Mudstone                          | Not Supplied - GUADALUPIAN |
|  | CS       | Collyhurst Sandstone Formation         | Sandstone                         | Not Supplied - Cisuralian  |
|  | BAR      | Bardsley Rock                          | Sandstone                         | Not Supplied - Westphalian |
|  | PMCM     | Pennine Middle Coal Measures Formation | Mudstone, Siltstone and Sandstone | Not Supplied - Westphalian |
|  | HNC      | Huncliffe Rock                         | Sandstone                         | Not Supplied - Westphalian |
|  | PLCM     | Pennine Lower Coal Measures Formation  | Mudstone, Siltstone and           | Not Supplied - Westphalian |

| Map Colour                                                                        | Lex Code | Rock Name                             | Rock Type | Min and Max Age            |
|-----------------------------------------------------------------------------------|----------|---------------------------------------|-----------|----------------------------|
|  |          |                                       | Sandstone |                            |
|  | CHBR     | Chamber Rock                          | Sandstone | Not Supplied - Westphalian |
|  | BLR      | Blennfire Rock                        | Sandstone | Not Supplied - Westphalian |
|  | PLCM     | Pennine Lower Coal Measures Formation | Sandstone | Not Supplied - Westphalian |
|  |          | Faults                                |           |                            |
|  |          | Rock Segments                         |           |                            |



### Geology 1:50,000 Maps

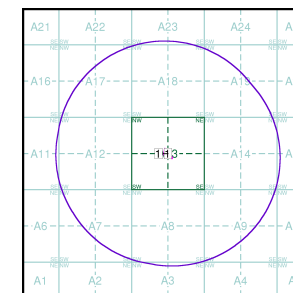
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID: 1  
Map Sheet No: 085  
Map Name: Manchester  
Map Date: 2010  
Bedrock Geology: Available  
Superficial Geology: Not Available  
Artificial Geology: Not Available  
Faults: Not Supplied  
Landslip: Not Available  
Rock Segments: Not Supplied

### Geology 1:50,000 Maps - Slice A



### Order Details:

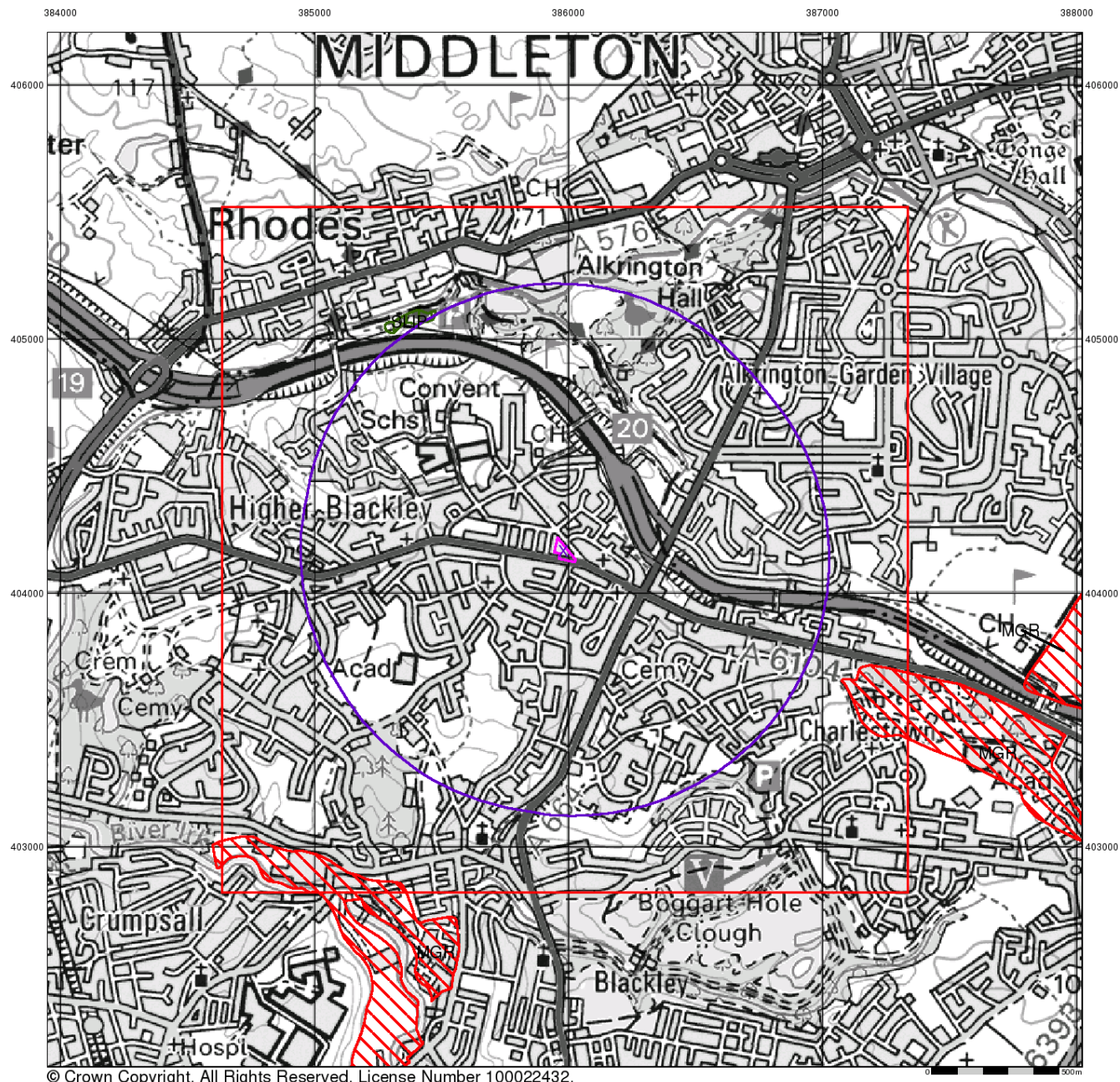
Order Number: 272603764\_1\_1  
Customer Reference: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

### Site Details:

Chain Road, MANCHESTER, M9 6QX

**Landmark**  
INFORMATION GROUP

Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: www.ernirocheck.co.uk



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### Artificial Ground and Landslip

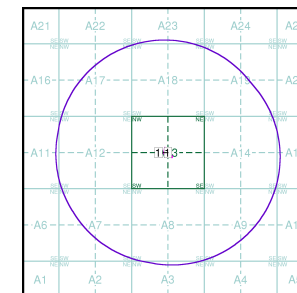
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

### Artificial Ground and Landslip Map - Slice A



### Order Details:

Order Number: 272603764\_1\_1  
 Customer Reference: LKC 21 1026  
 National Grid Reference: 385980, 404160  
 Slice: A  
 Site Area (Ha): 0.35  
 Search Buffer (m): 1000

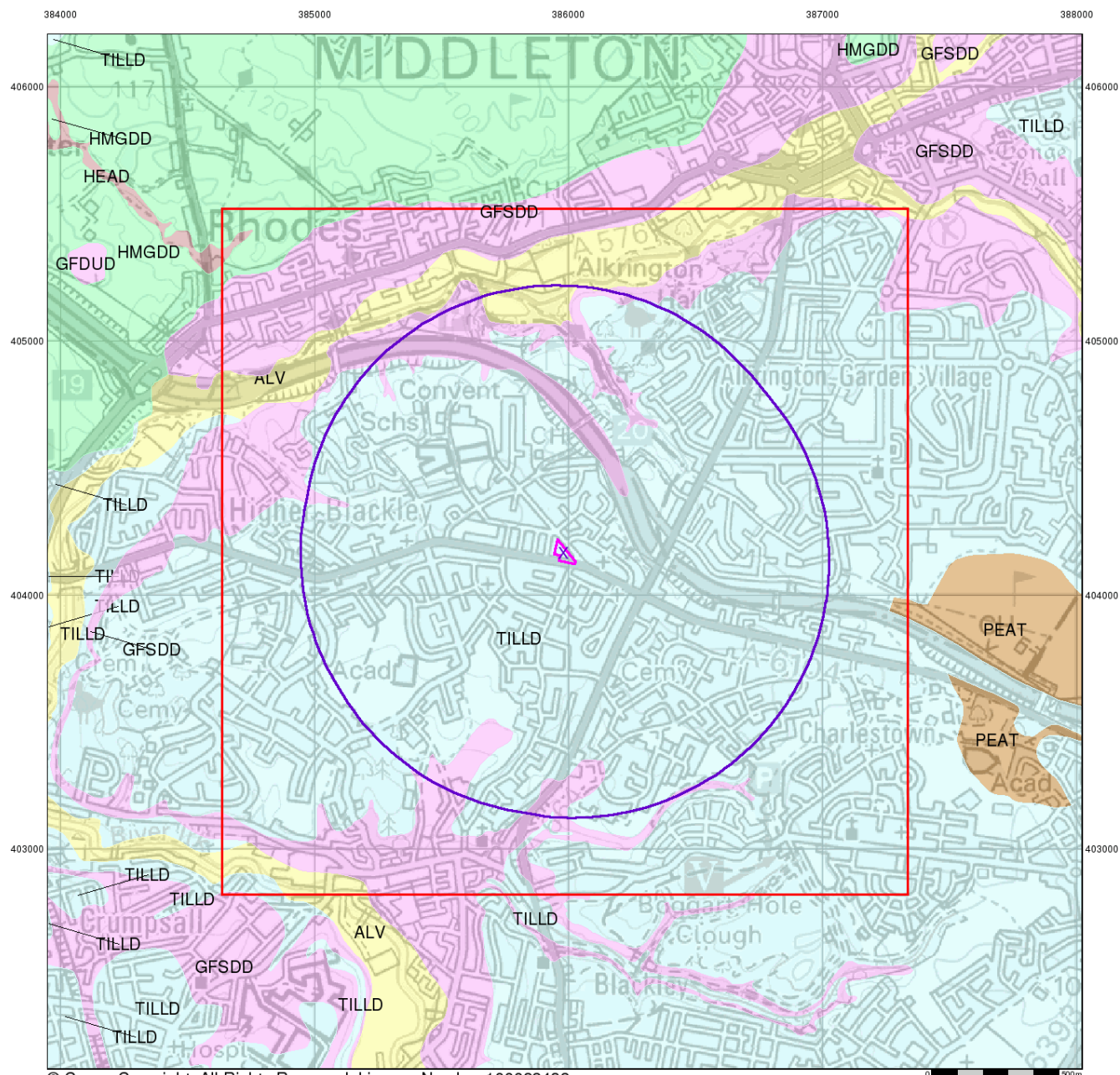
### Site Details:

Chain Road, MANCHESTER, M9 6QX



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 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk





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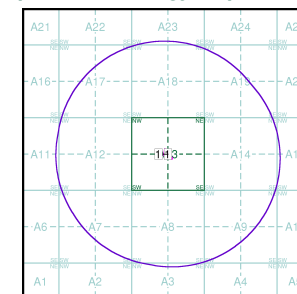
### Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice A



### Order Details:

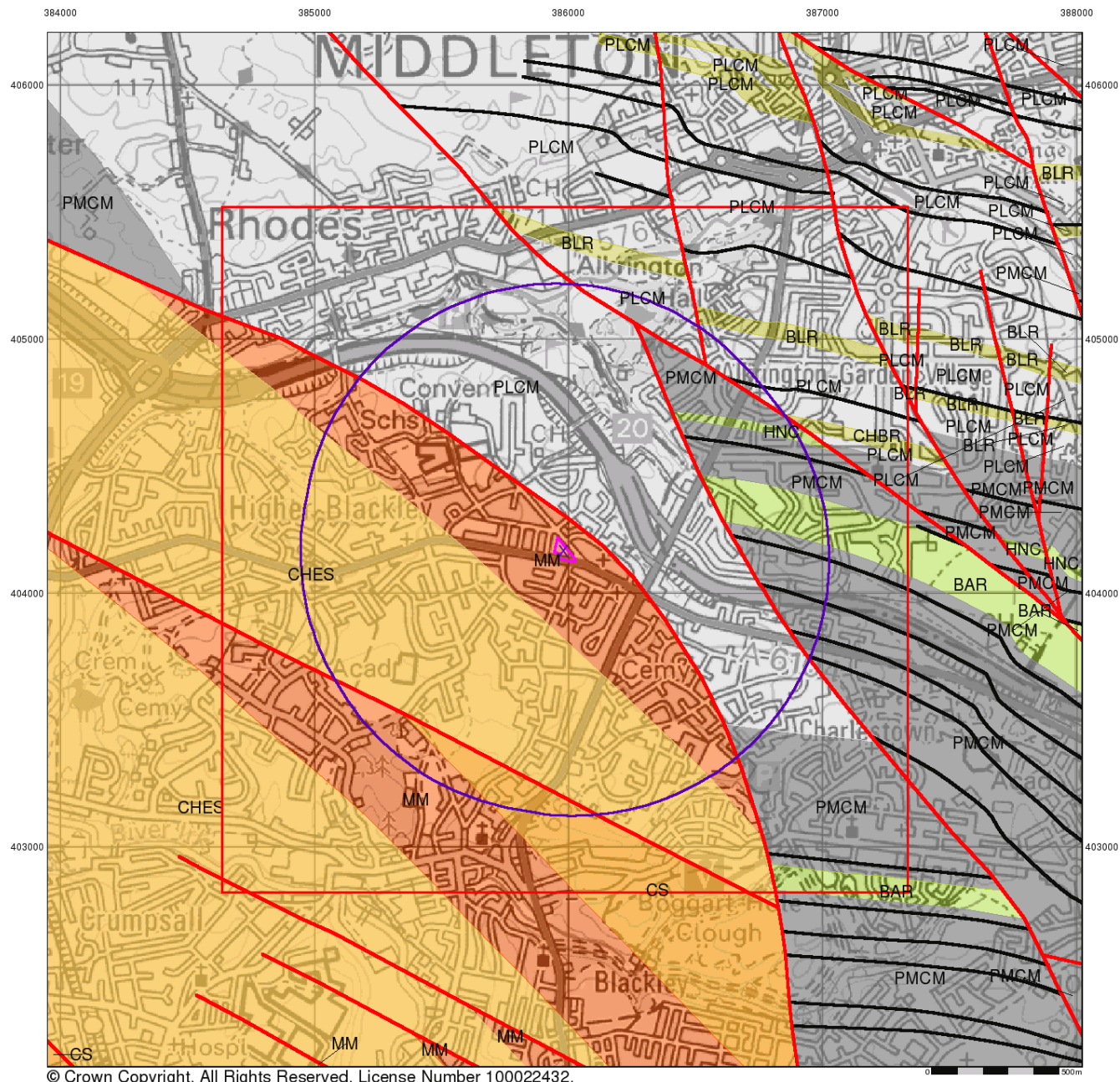
Order Number: 272603764\_1\_1  
 Customer Reference: LKC 21 1026  
 National Grid Reference: 385980, 404160  
 Slice: A  
 Site Area (Ha): 0.35  
 Search Buffer (m): 1000

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### Bedrock and Faults

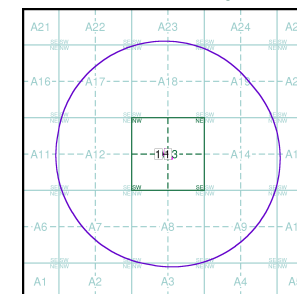
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice A



### Order Details:

Order Number: 272603764\_1\_1  
 Customer Reference: LKC 21 1026  
 National Grid Reference: 385980, 404160  
 Slice: A  
 Site Area (Ha): 0.35  
 Search Buffer (m): 1000

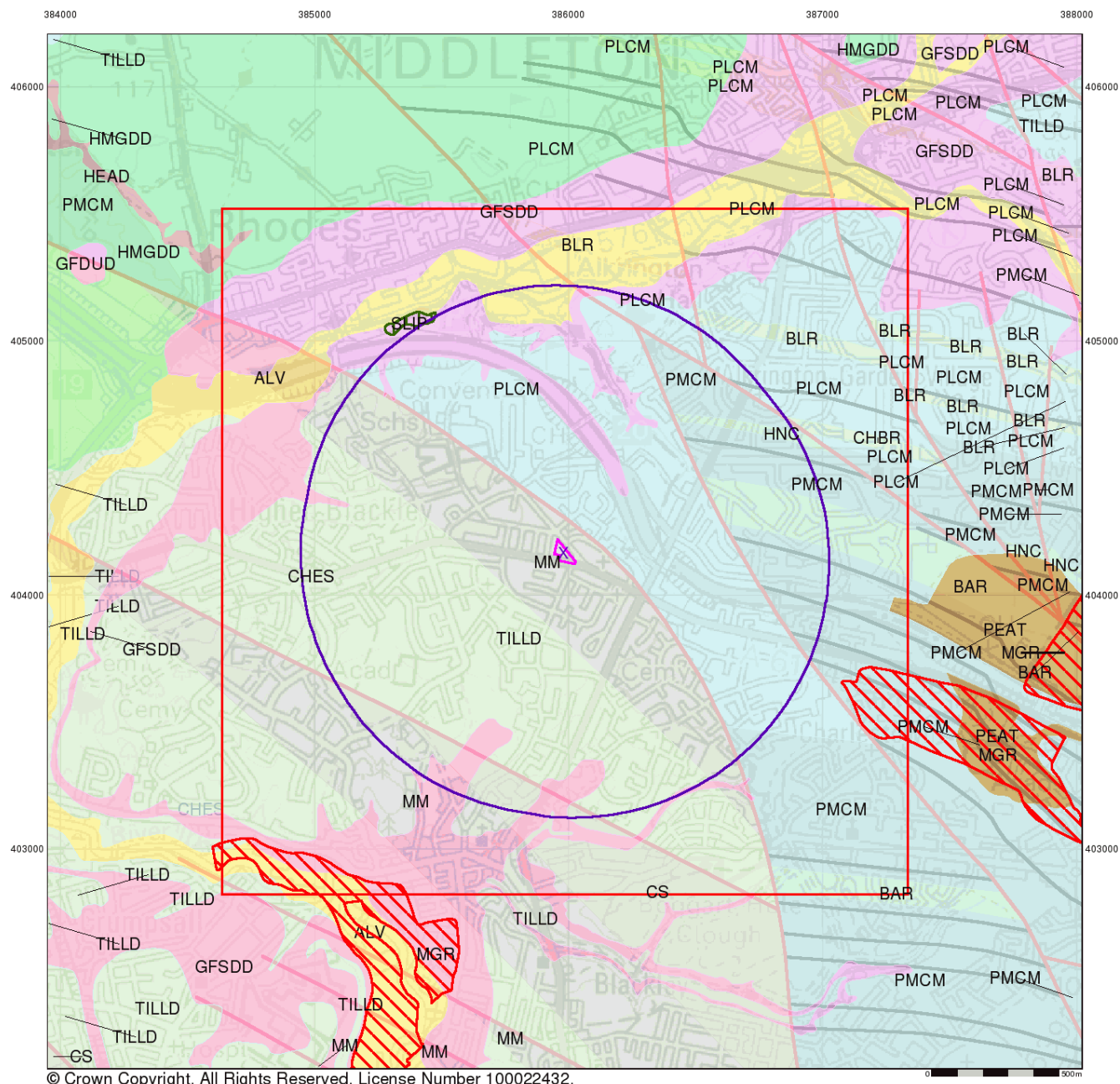
### Site Details:

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### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

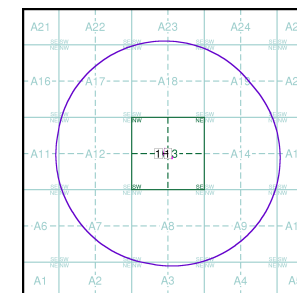
### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
Kingsley Dunham Centre  
Keyworth  
Nottingham  
NG12 5GG  
Telephone: 0115 936 3143  
Fax: 0115 936 3276  
email: [enquiries@bgs.ac.uk](mailto:enquiries@bgs.ac.uk)  
website: [www.bgs.ac.uk](http://www.bgs.ac.uk)

### Combined Geology Map - Slice A



### Order Details:

Order Number: 272603764\_1\_1  
Customer Reference: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

### Site Details:

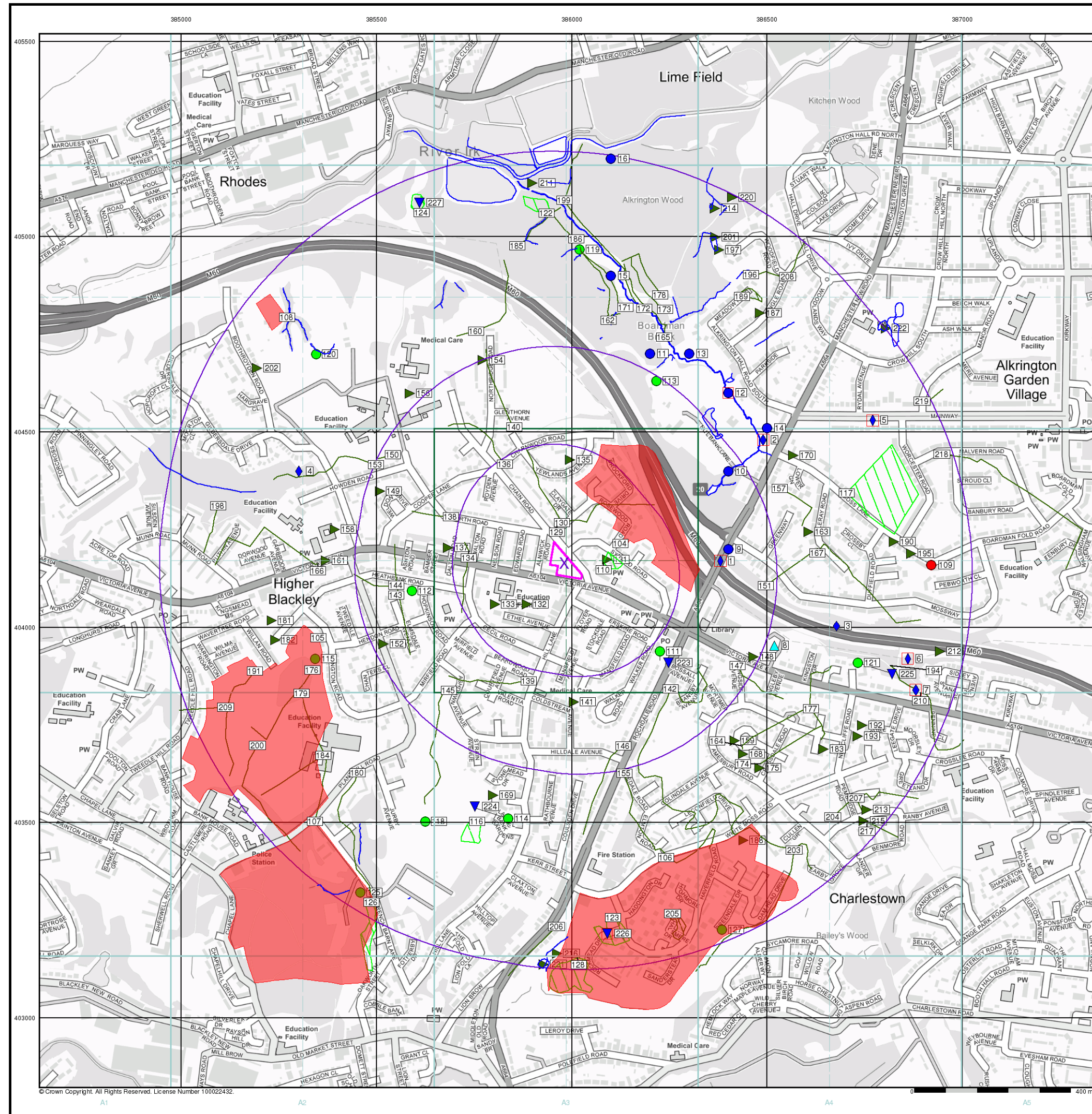
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v15.0 01-Feb-2021





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### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

### Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

### Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement
- BGS Recorded Mineral Site

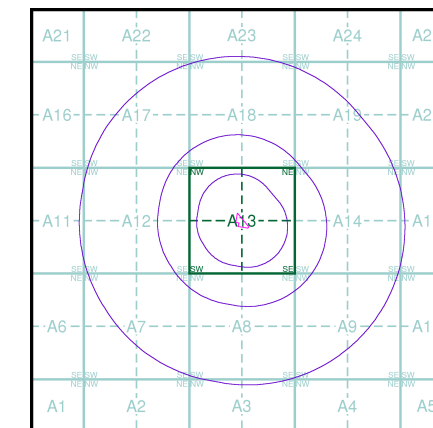
### Geological

- BGS Recorded Mineral Site

### Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

## Site Sensitivity Map - Slice A



## Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

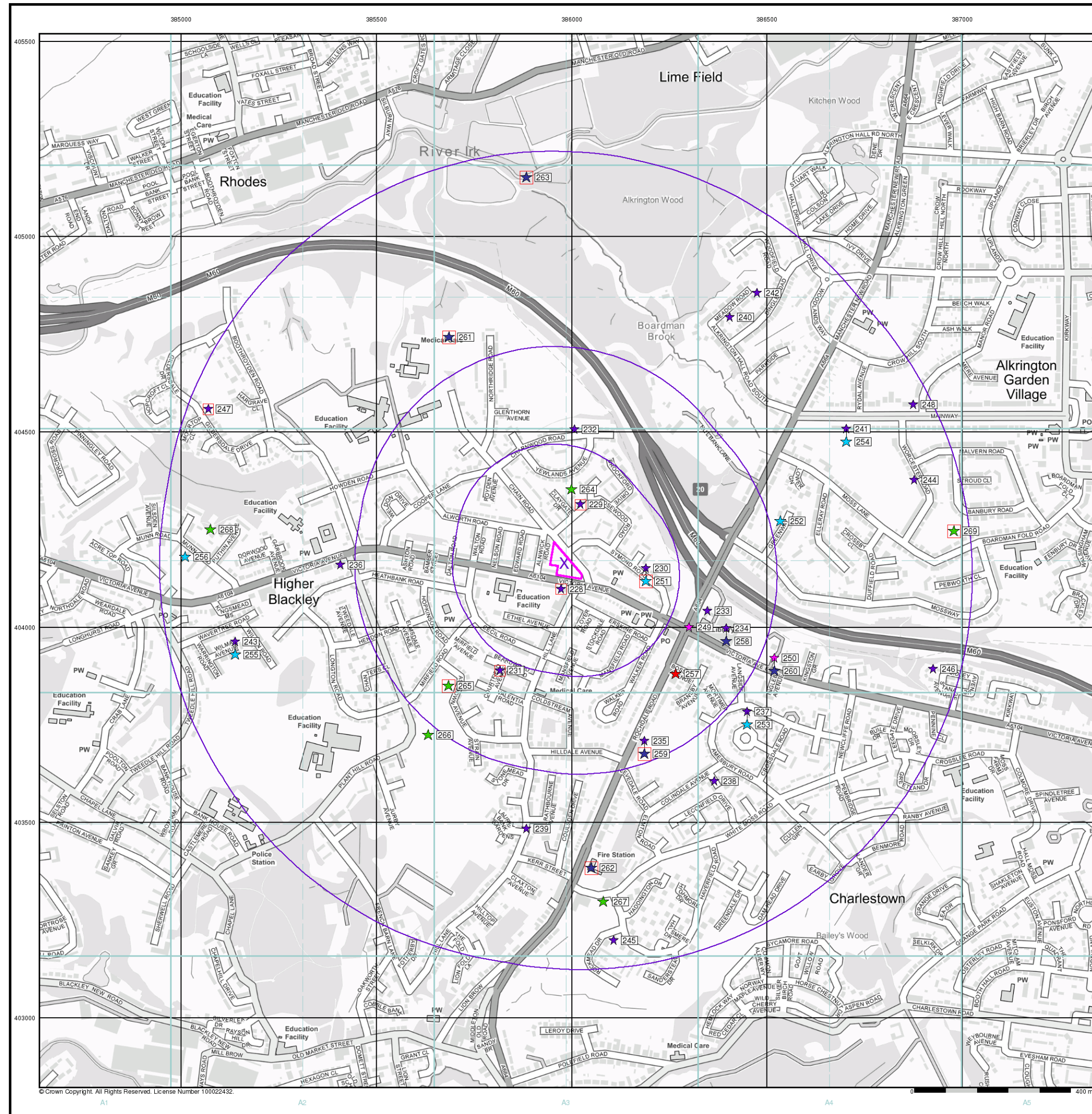
## Site Details

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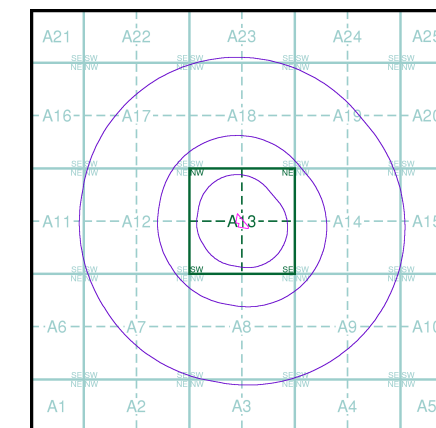
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# LK GROUP

## Industrial Land Use Map

- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Slice
  - Map ID
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry
  - Gas Pipeline
  - Points of Interest - Commercial Services
  - Points of Interest - Education and Health
  - Points of Interest - Manufacturing and Production
  - Points of Interest - Public Infrastructure
  - Points of Interest - Recreational and Environmental
  - Underground Electrical Cables

### Industrial Land Use Map - Slice A



**Order Details**

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

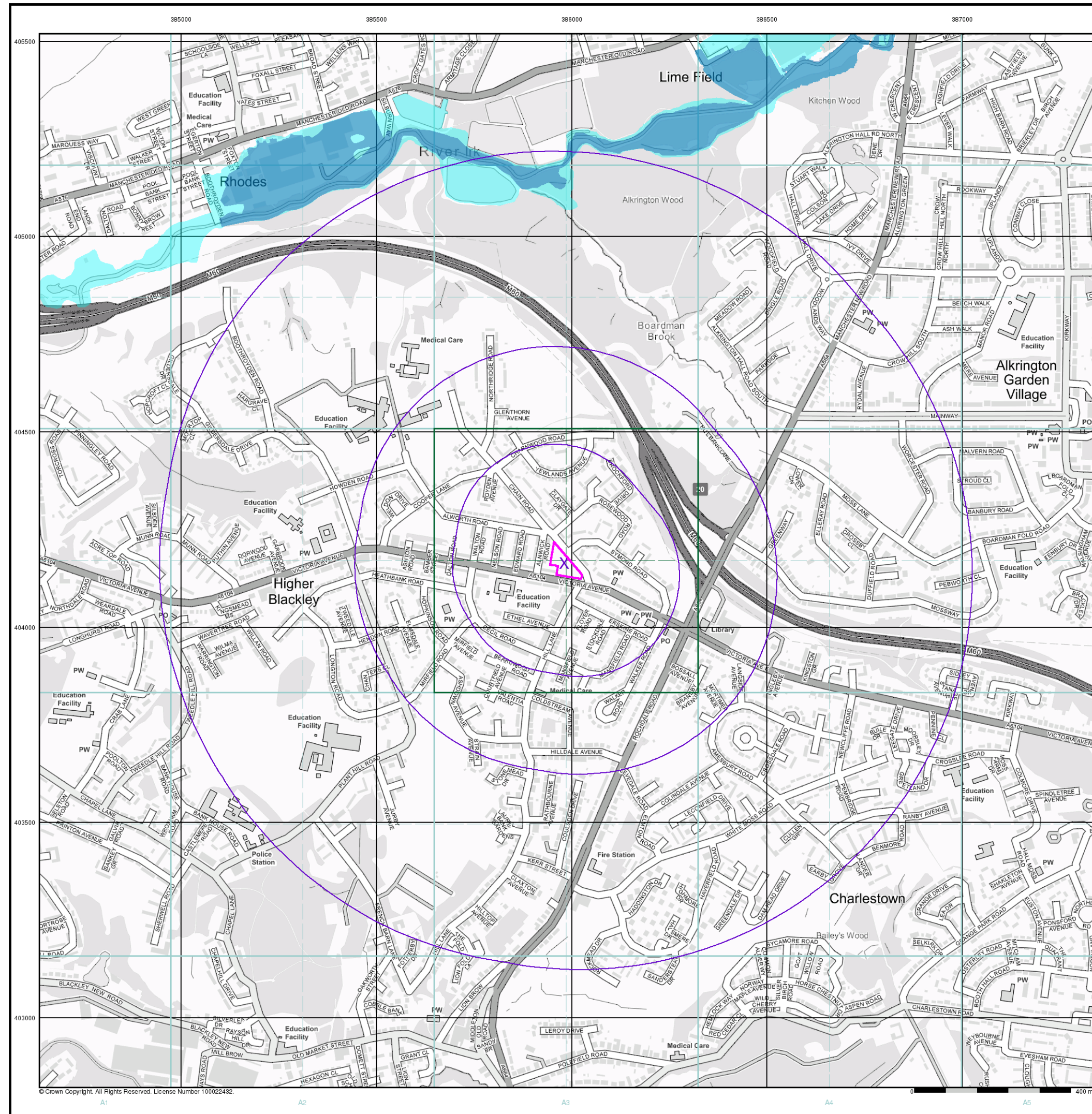
**Site Details**

Chain Road, MANCHESTER, M9 6QX

**Landmark**  
INFORMATION GROUP

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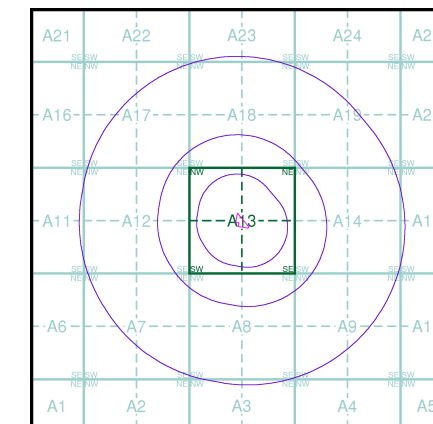
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

### Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

### Flood Map - Slice A



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

### Site Details

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Fax: 0844 844 9951  
Web: www.envirocheck.co.uk



## General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

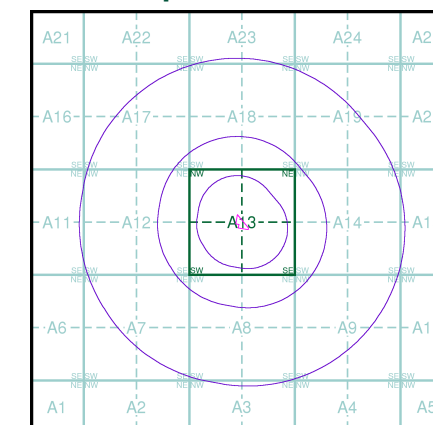
## Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

## Borehole Map - Slice A

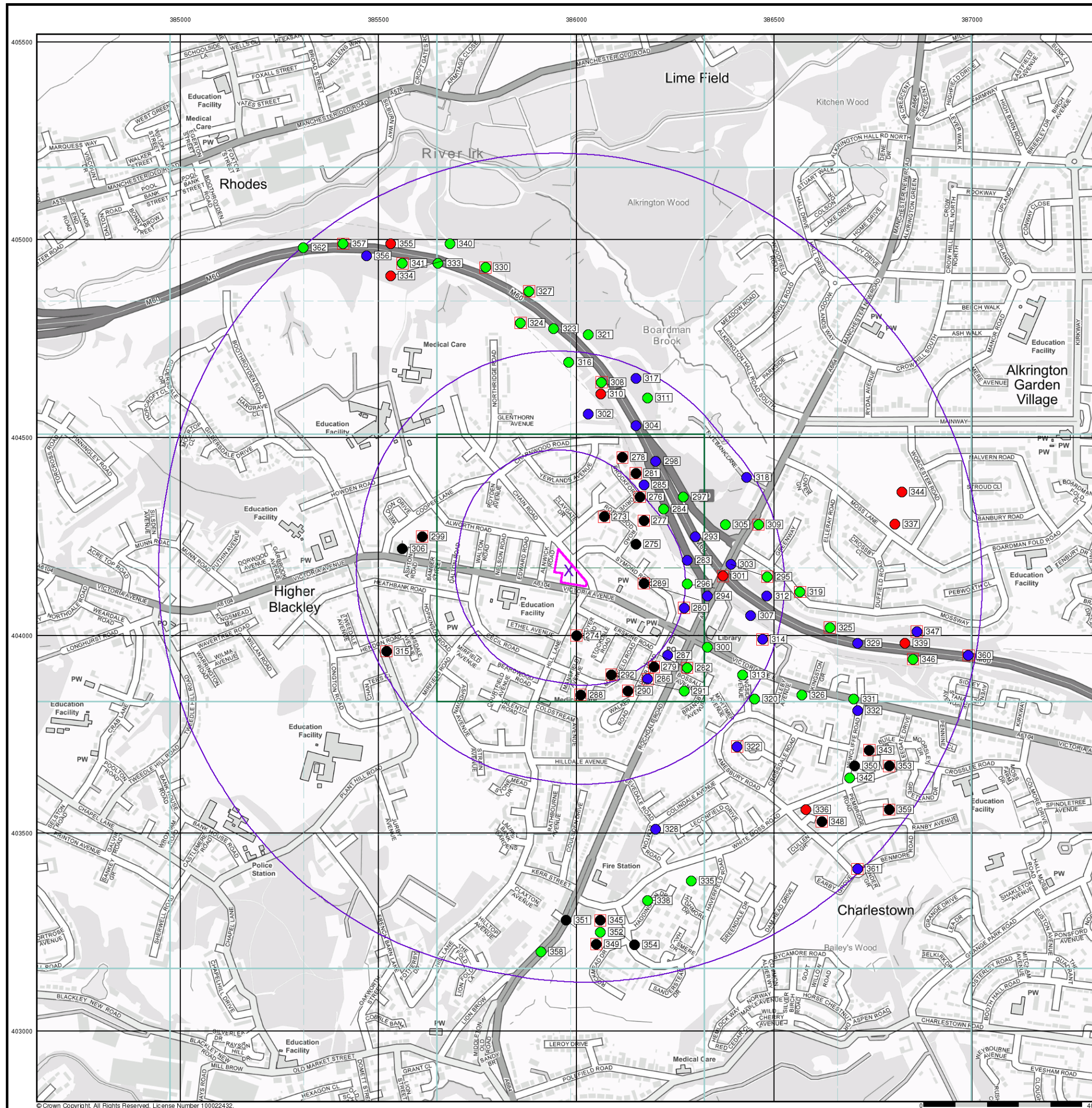


## Order Details

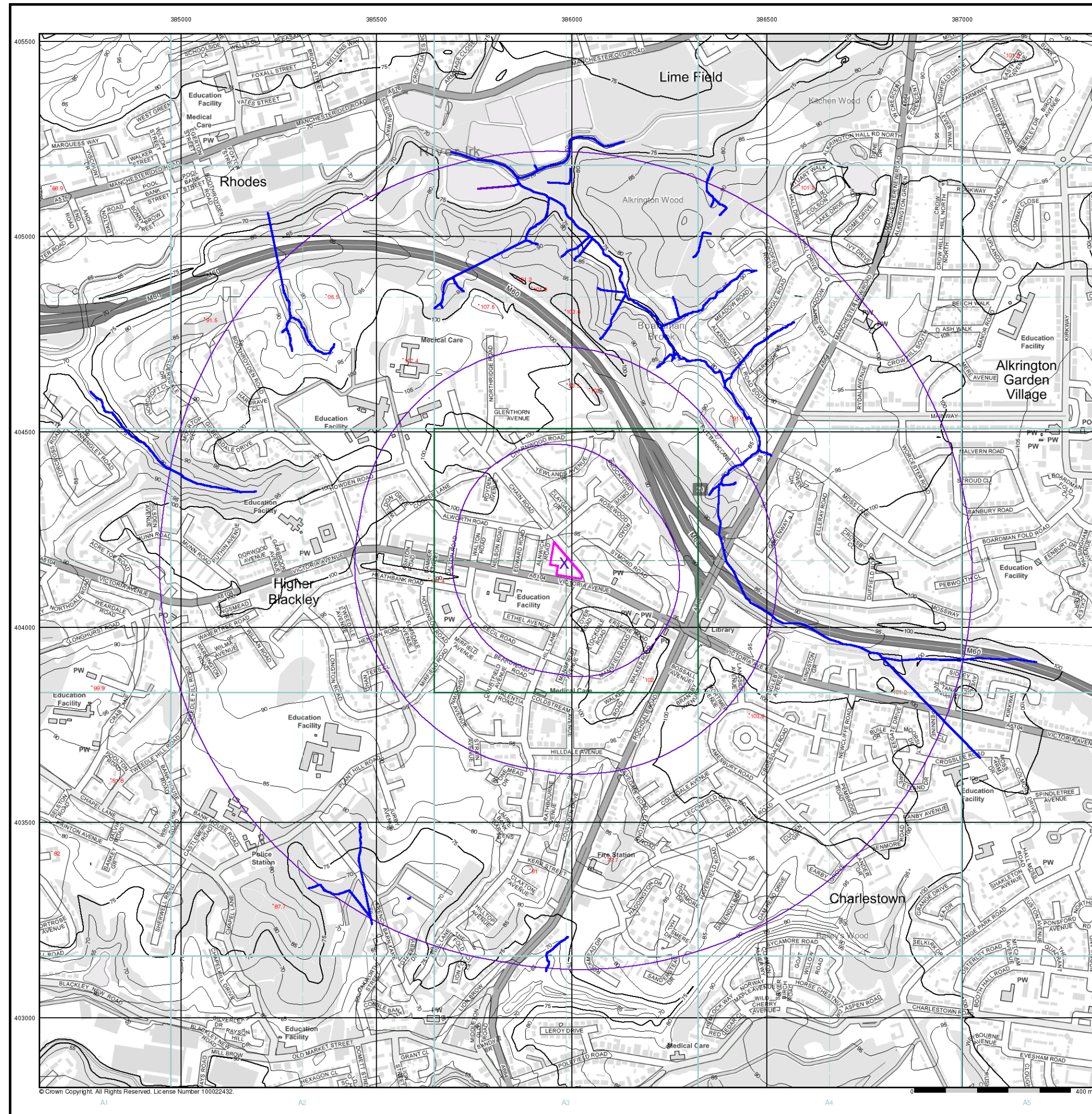
Order Number: 272603764\_1\_1  
 Customer Ref: LKC 21 1026  
 National Grid Reference: 385980, 404160  
 Slice: A  
 Site Area (Ha): 0.35  
 Search Buffer (m): 1000

## Site Details

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### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

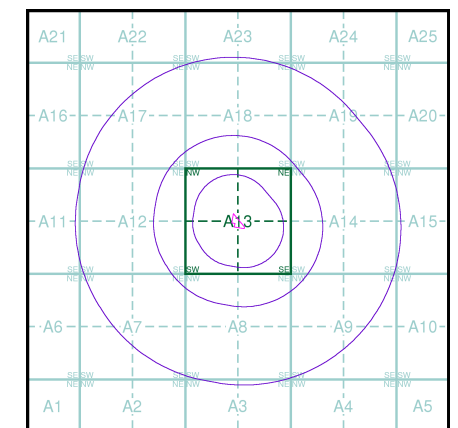
### OS Water Network Data

- |              |                         |
|--------------|-------------------------|
| Canal        | Drain                   |
| Reservoir    | Other                   |
| Foreshore    | Lake                    |
| Marsh        | Transfer                |
| Tidal River  | Lock Or Flight Of Locks |
| Inland River | Sea                     |

### Contours (height in meters)

- Standard Contour 105 100 95
- Master Contour
- Spot Height 167.3
- MLW Mean Low Water
- MHW Mean High Water

### OS Water Network Map - Slice A



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
Search Buffer (m): 1000

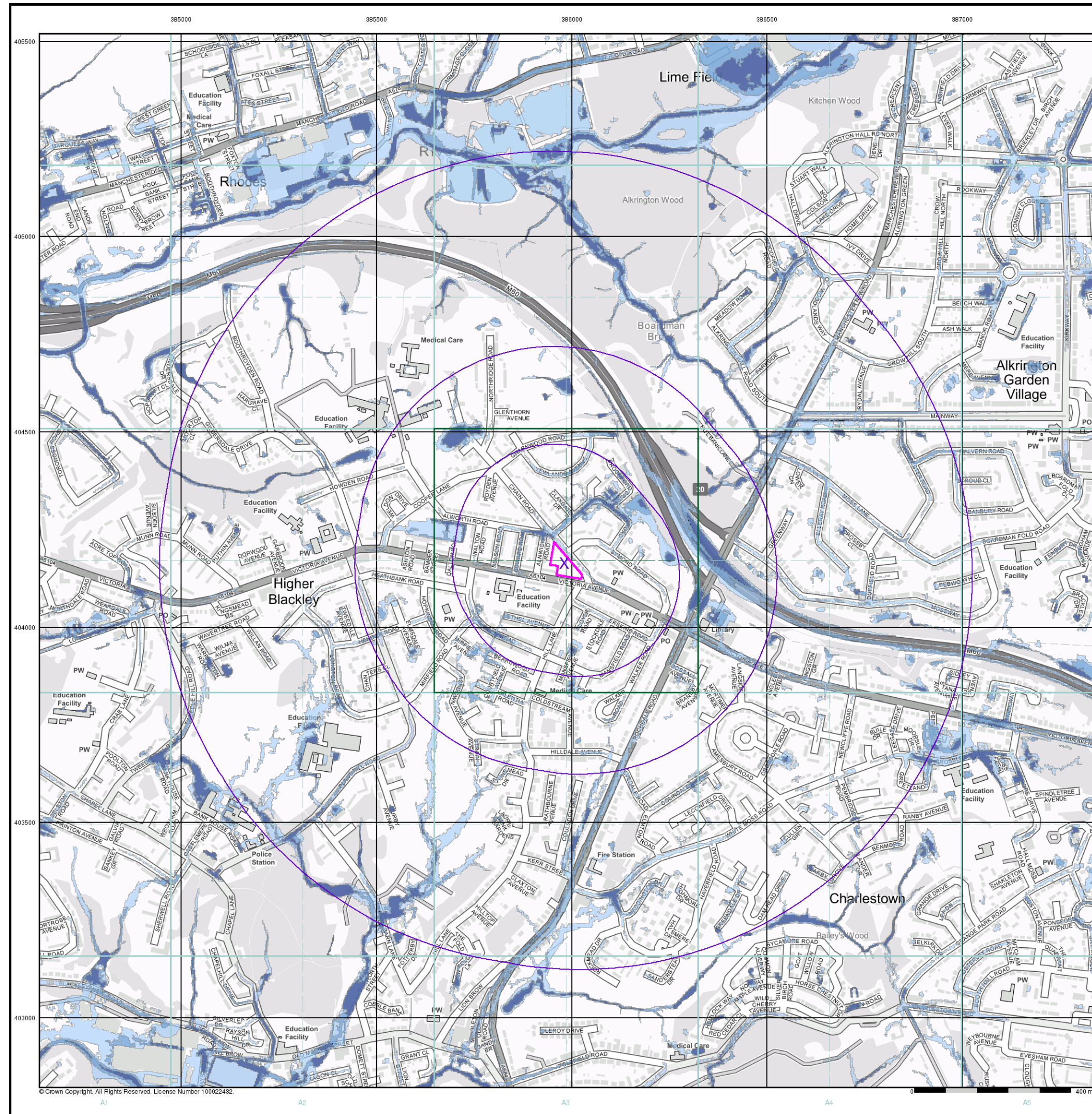
### Site Details

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### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

### Risk of Flooding from Surface Water

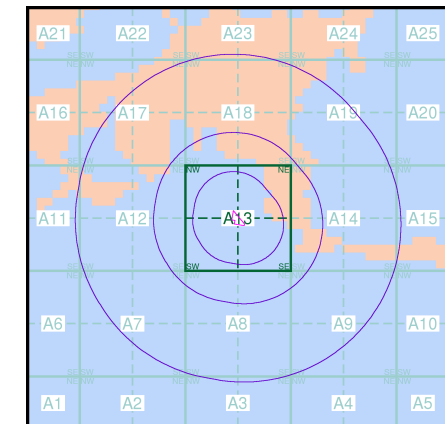
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

### Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

### E/NRW Suitability Map - Slice A



### Order Details

Order Number: 272603764\_1\_1  
Customer Ref: LKC 21 1026  
National Grid Reference: 385980, 404160  
Slice: A  
Site Area (Ha): 0.35  
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## **Appendix C**

### **Coal Authority Consultants Coal Mining Report**



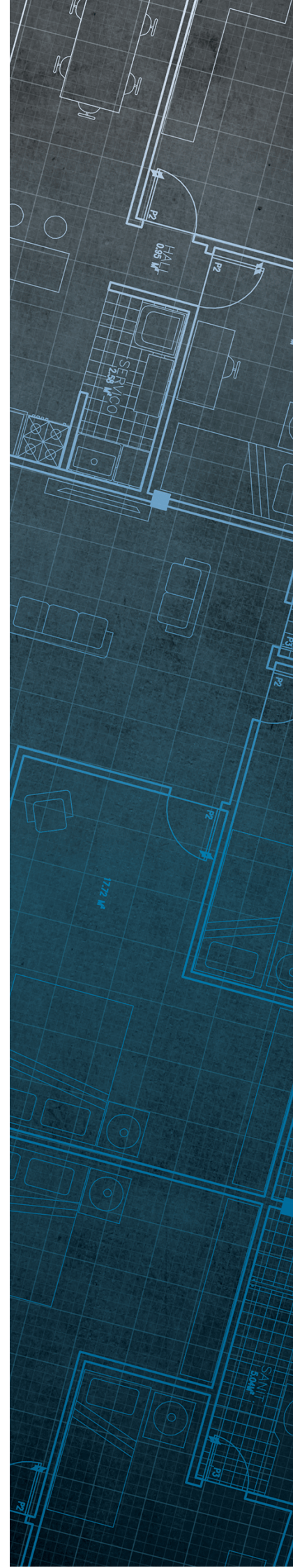


The Coal  
Authority

# Consultants Coal Mining Report

Chain Road  
Manchester  
Lancashire  
M9 6QX

|                        |                 |
|------------------------|-----------------|
| Date of enquiry:       | 1 February 2021 |
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| Your reference:        | 272603764_2     |



# Consultants

## Coal Mining Report

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

### Client name

NLIS Hub

### Enquiry address

Chain Road  
Manchester  
Lancashire  
M9 6QX

### How to contact us

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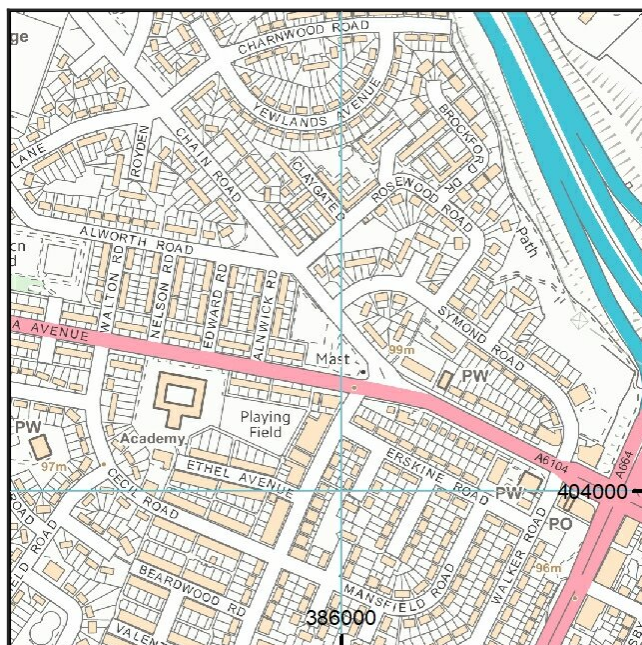
[www.groundstability.com](http://www.groundstability.com)

 @coalauthority

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Approximate position of property



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# Section 1 – Mining activity and geology

## Past underground mining

No past mining recorded.

## Probable unrecorded shallow workings

None.

## Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

## Mine entries

None recorded within 100 metres of the enquiry boundary.

## Abandoned mine plan catalogue numbers

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

|       |  |  |
|-------|--|--|
| 16820 |  |  |
|-------|--|--|

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

## Outcrops

No outcrops recorded.

## Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

## Opencast mines

None recorded within 500 metres of the enquiry boundary.

## Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

## Section 2 – Investigative or remedial activity

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

### Site investigations

None recorded within 50 metres of the enquiry boundary.

### Remediated sites

None recorded within 50 metres of the enquiry boundary.

### Coal mining subsidence

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

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

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

### Mine gas

None recorded within 500 metres of the enquiry boundary.

### Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.



## Section 3 – Licensing and future mining activity

### Future underground mining

None recorded.

### Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

### Court orders

None recorded.

### Section 46 notices

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

### Withdrawal of support notices

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

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

### Payments to owners of former copyhold land

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

## Section 4 – Further information

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



## Section 5 – Data definitions

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

### Past underground coal mining

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

### Probable unrecorded shallow workings

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

### Spine roadways at shallow depth

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

### Mine entries

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

### Abandoned mine plan catalogue numbers

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

### Outcrops

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

### Geological faults, fissures and breaklines

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

### **Opencast mines**

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

### **Coal Authority managed tips**

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

### **Site investigations**

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

### **Remediated sites**

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

### **Coal mining subsidence**

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

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

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

### **Mine gas**

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



### **Mine water treatment schemes**

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

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

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

### **Future underground mining**

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

### **Coal mining licensing**

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

### **Court orders**

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

### **Section 46 notices**

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

### **Withdrawal of support notices**

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

### **Payment to owners of former copyhold land**

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

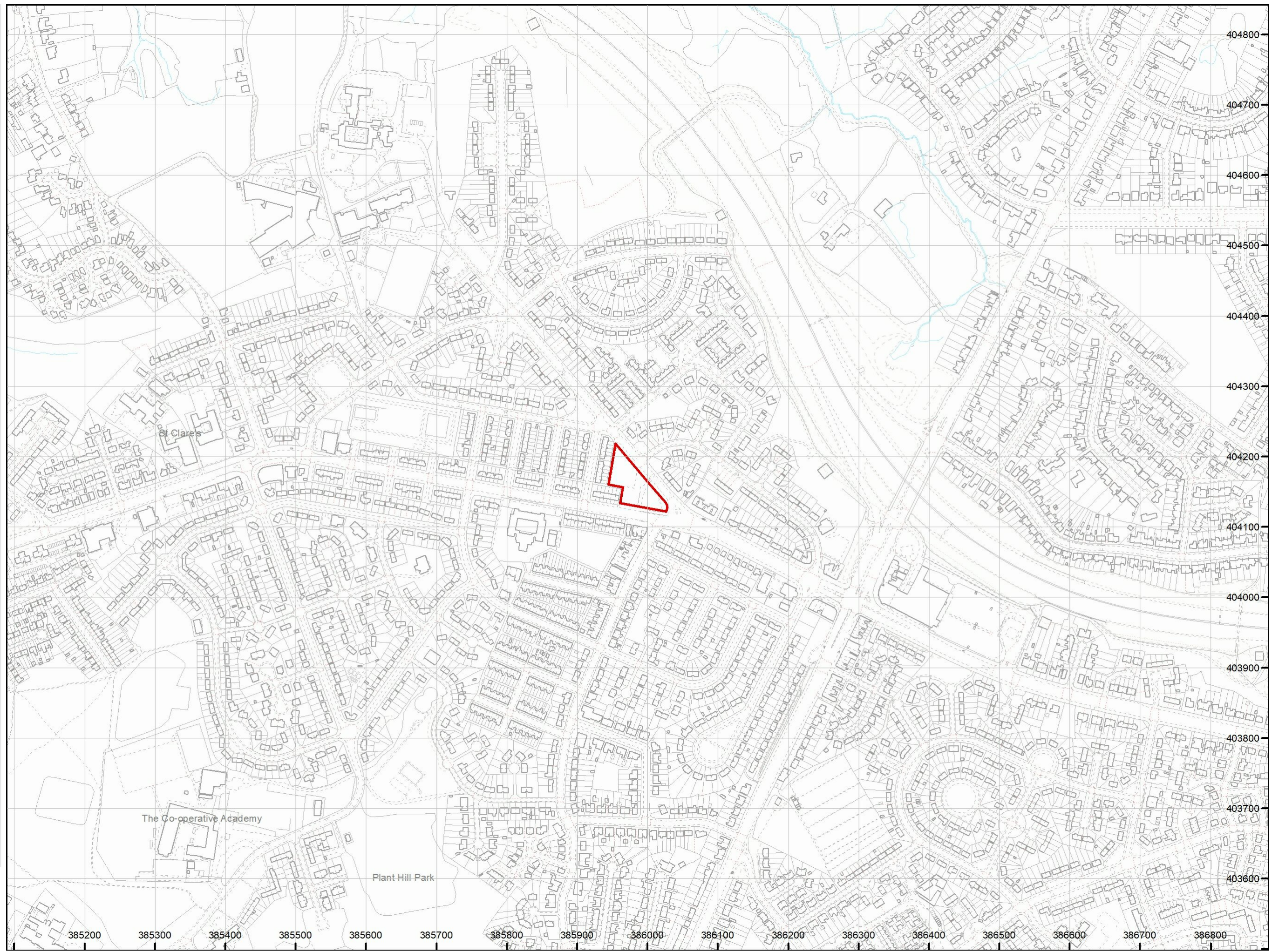


The map highlights any specific surface or subsurface features within or near to the boundary of the site.

**Key**

Approximate position of the enquiry boundary shown 

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## **Appendix D**

### **Zetica UXO Unexploded Bomb Risk Map and Pre-Desk Study Assessment**

# UNEXPLODED BOMB RISK MAP



## SITE LOCATION

Location: M9 6QX,  
Map Centre: 386031,404169



## LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.

- military**
- industry**
- UXO find**
- transport**
- dock**
- Luftwaffe targets**
- utilities**
- Bombing decoy**
- other**

### How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment\* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment\* is necessary.

### What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

**Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.**

### If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

### If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: (<https://zeticauxo.com/downloads-and-resources/risk-maps/>)

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

\*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.



## Pre-Desk Study Assessment

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Site:</b>                                         | Chain Road, Blackley, Greater Manchester                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Date:</b>                                         | 8 <sup>th</sup> February 2021                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Pre-WWI Military Activity on or Affecting the Site   | None identified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| WWI Military Activity on or Affecting the Site       | None identified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| WWI Strategic Targets (within 5km of Site)           | <p>The following strategic targets were located in the vicinity of the Site:</p> <ul style="list-style-type: none"> <li>■ Salford Docks and the Manchester Ship Canal.</li> <li>■ Transport infrastructure and public utilities.</li> <li>■ Industries important to the war effort, including aircraft manufacturing, engineering, metal and chemical works.</li> <li>■ Anti-Aircraft (AA) guns.</li> </ul>                                                                                                                                                                                                                                                 |
| WWI Bombing                                          | None identified on the Site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Interwar Military Activity on or Affecting the Site  | None identified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| WWII Military Activity on or Affecting the Site      | None identified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| WWII Strategic Targets (within 5km of Site)          | <p>The following strategic targets were located in the vicinity of the Site:</p> <ul style="list-style-type: none"> <li>■ Salford Docks and the Manchester Ship Canal.</li> <li>■ Transport infrastructure and public utilities.</li> <li>■ Industries important to the war effort, including aircraft manufacturing, engineering, metal and chemical works.</li> <li>■ Military camps, depots, and training areas.</li> <li>■ AA and anti-invasion defences.</li> </ul>                                                                                                                                                                                    |
| WWII Bombing Decoys (within 5km of Site)             | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| WWII Bombing                                         | <p>During WWII the Site was located in the County Borough (CB) of Manchester, which officially recorded 737No. High Explosive (HE) bombs with a bombing density of 27.0 bombs per 405 hectares (ha).</p> <p>The Manchester area was heavily bombed between the 22<sup>nd</sup> and 24<sup>th</sup> December 1940 (the 'Manchester Blitz'). Over 400No. HE bombs and more than 30,000 Incendiary Bombs (IBs) fell across the region. Most of the bombing was concentrated on the city centre, approximately 5.2km from the Site.</p> <p>Readily available records have been found to indicate that several HE bombs fell in close proximity to the Site.</p> |
| Post-WWII Military Activity on or Affecting the Site | None identified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Recommendation                                       | It is recommended that a detailed desk study is commissioned to assess, and potentially zone, the Unexploded Ordnance (UXO) hazard level on the Site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

This summary is based on a cursory review of readily available records. Caution is advised if you plan to action work based on this summary.

It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part of a detailed UXO desk study and risk assessment may identify other potential sources of UXO hazard on the Site.

## **Appendix E**

### **Risk Evaluation**



## Risk Evaluation

The method for risk evaluation is a qualitative method of interpreting the output from the risk estimation stage of the assessment, based on CIRIA 552<sup>14</sup>. It involves the classification of the:

- Magnitude of the potential consequence (severity) of the risk occurring (Table A).
- Magnitude of the probability (likelihood) of the risk occurring (Table B).

| Consequence (Severity) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                            |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification         | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Example                                                                                                                                                                                                                                                                                                                                    |
| <b>Severe</b>          | <ul style="list-style-type: none"> <li>- Short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA.</li> <li>- Short term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource.</li> <li>- Catastrophic damage to buildings/properties.</li> <li>- A short term risk to a particular ecosystem, or organism forming part of such ecosystem (note: the definition of ecological systems within the Draft Circular on Contaminated Land, DETR, 2000).</li> </ul> | <ul style="list-style-type: none"> <li>- High concentrations of cyanide on the surface of an informal recreation area.</li> <li>- Major spillage of contaminants from site into controlled waters.</li> <li>- Explosion, causing building collapse (can also equate to short term human health risk if buildings are occupied).</li> </ul> |
| <b>Medium</b>          | <ul style="list-style-type: none"> <li>- Chronic damage to Human Health ('significant harm' as defined in DETR, 2000).</li> <li>- Pollution of sensitive water resources (note Water Resources Act contains no scope for considering significance of pollution).</li> <li>- A significant change in a particular ecosystem, or organism forming part of such ecosystem.</li> </ul>                                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>- Concentrations of a contaminant from site exceed generic, or site specific assessment criteria.</li> <li>- Leaching of contaminants from a site to a major or minor aquifer (Principal and Secondary).</li> <li>- Death of a species within a designated nature reserve.</li> </ul>               |
| <b>Mild</b>            | <ul style="list-style-type: none"> <li>- Pollution of non-sensitive water resources.</li> <li>- Significant damage to crops, buildings, structures and services ('significant harm' as defined in DETR, 2000).</li> <li>- Damage to sensitive buildings / structures / services or the environment.</li> </ul>                                                                                                                                                                                                                                                                                                                   | <ul style="list-style-type: none"> <li>- Pollution of non-classified groundwater.</li> <li>- Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).</li> </ul>                                                                                                                                |
| <b>Minor</b>           | <ul style="list-style-type: none"> <li>- Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve.</li> <li>- Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.).</li> <li>- Easily repairable damage to buildings, structures and services.</li> </ul>                                                                                                                                                                                                                                                  | <ul style="list-style-type: none"> <li>- The presence of contaminants at such concentrations that protective equipment is required during site works.</li> <li>- The loss of plants in a landscaping scheme.</li> <li>- Discoloration of concrete.</li> </ul>                                                                              |

Table A: Classification of consequence.

| Probability (Likelihood) |                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification           | Definition                                                                                                                                                                                                                                                                                                                           |
| <b>High likelihood</b>   | - There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.                                                                                                                                   |
| <b>Likely</b>            | <ul style="list-style-type: none"> <li>- There is a pollutant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur.</li> <li>- Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.</li> </ul> |
| <b>Low likelihood</b>    | <ul style="list-style-type: none"> <li>- There is a pollutant linkage and circumstances are possible under which an event could occur.</li> <li>- However it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.</li> </ul>                                   |
| <b>Unlikely</b>          | - There is a pollutant linkage but circumstances are such that it is improbable that an event would occur in the very long term.                                                                                                                                                                                                     |

Table B: Classification of probability.

<sup>14</sup> CIRIA (2001). "Contaminated Land Risk Assessment: A Guide to Good Practice". C552.

These classifications are then compared to indicate the risk presented by each pollutant linkage (Table C). It is important that this classification is only applied where there is a possibility (which can range from high likelihood to unlikely) of a pollutant linkage existing.

|             |                 | Consequence         |                     |                     |                     |
|-------------|-----------------|---------------------|---------------------|---------------------|---------------------|
|             |                 | Severe              | Medium              | Mild                | Minor               |
| Probability | High likelihood | Very High Risk      | High Risk           | Moderate Risk       | Moderate / Low Risk |
|             | Likely          | High Risk           | Moderate Risk       | Moderate / Low Risk | Low Risk            |
|             | Low likelihood  | Moderate Risk       | Moderate / Low Risk | Low Risk            | Very Low Risk       |
|             | Unlikely        | Moderate / Low Risk | Low Risk            | Very Low Risk       | Very Low Risk       |

Table C: Comparison of consequence against probability.

Once the risk has been determined the corresponding action can be assessed (Table D).

| Risk                  | Action Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Very High Risk</b> | <ul style="list-style-type: none"> <li>- 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.</li> <li>- This risk, if realised, is likely to result in a substantial liability.</li> <li>- Urgent investigation (if not already undertaken) and remediation are likely to be required.</li> </ul>                                                                |
| <b>High Risk</b>      | <ul style="list-style-type: none"> <li>- Harm is likely to arise to a designated receptor from an identified hazard.</li> <li>- Realisation of the risk is likely to present a substantial liability.</li> <li>- 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.</li> </ul>                                                                                                                               |
| <b>Moderate Risk</b>  | <ul style="list-style-type: none"> <li>- 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.</li> <li>- 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 longer term.</li> </ul> |
| <b>Low Risk</b>       | <ul style="list-style-type: none"> <li>- 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.</li> </ul>                                                                                                                                                                                                                                                                                       |
| <b>Very Low Risk</b>  | <ul style="list-style-type: none"> <li>- 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.</li> </ul>                                                                                                                                                                                                                                                                                                                       |

Table D: Description of the classification and likely action required.

Where LKC identified a low to very low risk either limited intrusive investigation work, a watching brief (during construction work) or no investigation work will be recommended. This will be dependent on the nature of the site and the proposed development.

Where the risk falls into the moderate/low risk, LKC will undertake an assessment to establish what category the pollutant linkage will fall into (i.e. moderate or low risk will be chosen).

Where LKC identifies a moderate or higher risk intrusive work or precautionary remedial measures will be recommended.



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