# PICCADILLY WHARF
# MANCHESTER

# UPDATED PHASE 1:
# PRELIMINARY RISK ASSESSMENT

**Job Number: LKC 21 1259**
**Date: June 2021**
**Client: M1 Piccadilly Ltd**



INCREASING LAND VALUE

LK GROUP

| LK Consult<br>Document Verification | | | |
|---|---|---|---|
| **Site Address** | Store Street, Manchester, M1 2WA | | |
| **Report Title** | Updated Phase 1: Preliminary Risk Assessment | | |
| **Job Number** | LKC 21 1259 | **Document Ref.** | CL-602-LKC 21 1259-01 |
| **Date Issued** | June 2021 | **Report Version** | R0 |
| **Prepared By** | Colin Crompton | **Reviewed By** | Dr Paul Quimby |

| **Revision Record** | | | |
|---|---|---|---|
| **Revision No.** | **Date** | **Nature of Revision** | **Approved By** |
| | | | |

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# 1 Introduction

## 1.1 Background

LK Consult Ltd (LKC) has been retained to carry out an updated Phase 1 Preliminary Risk Assessment (PRA) for the proposed Piccadilly Wharf development.

A PRA (including drilling of 2no. window sample boreholes) has previously been carried out at the site (Geotechnics report ref. PN143266, dated September 2014). A copy of this report is provided in Appendix A.

In order to support a planning application for the proposed development the above report was submitted to Manchester City Council (MCC) for review. In response (email dated 22nd March 2021) MCC noted the following:

> *"As the report is 10 years old, we would expect it to be updated and this should include as a minimum a site visit to look for any changes in the last 10 years and updates to all guidance/reference material in the report (as there are likely to have been some changes in 10 years). The update can be in the form of a detailed covered letter which cross references to the old report. If the end use has changed then we would expect a new desk study to be submitted as the preliminary risk assessment will be changed by the new end use."*

The report was carried out for "high-rise" apartments with the residential with plant uptake land use scenario selected in the risk assessment.

## 1.2 Terms of Reference

Considering the above LKC's Terms of Reference were determined as:

- Review existing PRA for any significant data gaps.
- Carry out a contemporary site reconnaissance.
- Assess the existing sampling data with reference to contemporary generic assessment criteria.
- Provide an updated Preliminary Contamination Conceptual Model.
- Provide a contemporary PRA in accordance with current guidance (including LCRM[1] and the National Planning Policy Framework (NPPF)[2]).

A geotechnical assessment is outwith the scope of this study.

## 1.3 Site Details

Site details are provided in Table 1-1. A location plan is included in the Geotechnics PRA. Proposed development plans are provided in Appendix B.

[1] Land Contamination Risk Management (LCRM) https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm
[2] "National Planning Policy Framework." The Ministry of Housing, Communities and Local Government. February 2019.

| | |
|---|---|
| **Site Location** | Store Street, Manchester, south of Ashton Canal Aqueduct.<br>Centred at approximate National Grid Reference 384990 398080. |
| **Approximate Area** | 650m$^2$. |
| **Topography** | Approx. 43-46 metres Above Ordnance Datum (AOD).<br>Site is elevated above Store Street and increases in elevation to the south. |
| **Current Site Use** | Vacant site, recently cleared of vegetation. |
| **Purpose of Report** | Pre-planning. |
| **Proposed Development** | Residential apartments with no soft landscaping. |

Table 1-1: Summary of site details.

# 2 Review of Existing Information

## 2.1 Site History and Environmental Information

The site history and the geological and environmental setting is summarised in Sections 5 to 9 of the Geotechnics report. This is based upon relevant factual information including historical mapping (plus Goad Insurance plans), an Envirocheck report and a Coal Authority report.

LKC would note from a review of aerial photography between 2014 (date of the report) and present day there is no evidence of an additional potentially contaminative land use. The site appears fully occupied by mature trees in 2013, 2016, 2017, 2018, and 2019 photography.

The site remains in an area of where radon protection measures are not required in new buildings or extensions.

## 2.2 Ground Investigation

Geotechnics were able to advance 2no. boreholes in the western corner of the site to depths of 0.70mbgl and 2.55mbgl (Appendix 8, Geotechnics report).

Both boreholes refused on an obstruction in granular made ground which included much anthropogenic materials such as concrete, brick, ash, slag, plastic and glass (Appendix 7, Geotechnics report).

Soil samples were collected and submitted for chemical analysis and the results are provided in Appendix 9, Geotechnical report.

The results may be assessed with regards to the following contemporary generic assessment criteria for a residential without plant uptake land use (Appendix C).

- Category 4 Screening Levels (C4SLs).
- LQM Suitable 4 Use Levels (S4ULs).

The following elevated levels of contaminants were encountered:

- Lead at 523mg/kg in WS01 0.9m.
- Benzo(a)pyrene at 9.01mg/kg in WS01 0.9m.

In addition, chrysotile fibres were identified in WS01 0.9m.

## 3 Site Reconnaissance

LKC visited site on 26th April 2021. No pedestrian was possible from the adjacent residential and commercial sites. Currently ladder access from Store Street is required. The site has recently been cleared of the trees and low-level vegetation. Photographs are provided in Plate 3-1.



**Photograph 1:** View W along Store Street. Site is left of photo.



**Photograph 2:** View S of site from across Store Street.



**Photograph 3:** View S of W part of site. Scrub vegetation and metal fencing around level change visible.



**Photograph 4:** View E across the site. Slope down to Store Street left of photo is visible.

Plate 3-1: Site photographs.

The site is retained above Store Street by a stone clad wall with weepholes and the western boundary retained by a brick wall.

A fenced area is visible on site above a level change to the north and west. Logs from the tree removal remained extant.

The soil on the site surface included many inclusions of brick, ash, concrete and glass.

The site is bordered to the east and south by residential development and to the west by a commercial property.

# 4 Preliminary Conceptual Model

## 4.1 Contamination Sources / Pathways and Receptors

Potential contamination sources are detailed in Table 4-1.

| Source | Contaminants |
|---|---|
| Onsite former buildings | - Asbestos Containing Material (ACM). Identified in WS01. |
| Onsite Made Ground. | - Ash and clinker (e.g. from hearths and boilers, often historically used for site raising / levelling): Heavy metals, sulphates and PAHs. Metals and PAHs identified in WS01.<br>- Other unknown inorganic / organic contaminants (dependant on fill material source).<br>- If significant depth of organic / putrescible material: Hazardous gas (principally carbon dioxide and methane).<br>- Level raising of the area denoted by a metal fence appears between 1977 and 1985 mapping. |
| Onsite Car Park<br>Travelling Crane | - Spillages / leakages: petroleum hydrocarbons, oils (source expected to be minimal and localised) |
| Onsite Timber Yard<br>Packing Case Manufacture | - Machinery, vehicles: fuels, oils.<br>- Wood treatment (including creosote, fungicides, chromated copper arsenate). |
| Surrounding Industries (smithy, sawmill, cotton mill, metal works) | - Metals, other inorganic compounds (e.g. cyanides, sodium compounds, sulphide compounds, chloride compounds, mineral acids, alkalis), chlorinated organic solvents, sizing agents, other organic compounds (e.g. formaldehydes, polyvinyl chloride), water repellents (organo silicon, oxazoline), fire/flame retardants (e.g. borax, ammonium phosphate, brominated organic compounds with metals oxides), soaps and detergents. [3]<br>- Other ancillary activities could include coal fired boilers producing large quantities of boiler ash (heavy metals, sulphates and PAHs), if powered by gas or oil there may historically have been fuel storage tanks. Asbestos may have been used within the building as insulation and lagging or as roofing and cladding. |

Table 4-1: Potential contamination sources.

Potential receptors are detailed in Table 4-2.

| Receptors | |
|---|---|
| Human Health | - Future site users (including residents, visitors and site workers).<br>- Offsite land users. |
| Controlled Waters | - Principal Aquifer.<br>- Ashton Canal is above the site and not considered a viable receptor. |
| Buildings and structures. | |
| Potable water pipes. | |
| Flora within future gardens/landscaping. | |

Table 4-2: Potential receptors.

[3] Department of the Environment. Industry Profile. Textile Works and Dye Works. 1995.

Potential pathways are detailed in Table 4-3.

| Pathways | | |
|---|---|---|
| Soil | Human Health[4] (residential land use with no soft landscaping) | - Inhalation of vapours outside.<br>- Inhalation of vapours inside.<br><br>- Omitted: ingestion of soil, ingestion of soil-derived indoor dust, dermal contact with soil, dermal contact with soil-derived indoor dust, inhalation of soil-derived outdoor dust, inhalation of soil-derived indoor dust, ingestion of contaminated vegetables and ingestion of soil attached to vegetables. |
| | - Windblown dust / fibres to adjacent receptors.<br>- Direct contact with receptors (building foundations, services). | |
| Water | - Surface run-off over impermeable surface. | |
| | - Site is predominantly hardstood; therefore, infiltration is likely to be limited. | |
| | - Migration through potentially permeable strata and preferential pathways.<br>- Superficial (Till) likely to be low permeability.<br>- Bedrock (sandstone) likely to be relatively permeable.<br>- No preferential pathways are anticipated. | |
| Gas | - Migration through potentially permeable strata and preferential pathways.<br>- Superficial (Till) likely to be low permeability.<br>- Bedrock (sandstone) likely to be relatively permeable.<br>- No preferential pathways are anticipated. | |
| | - Migration into buildings (e.g. via services) and accumulation of gases in confined spaces (potentially causing explosion if methane is present). | |

Table 4-3: Potential pathways

## 4.2 LKC Preliminary Contamination Conceptual Model

The preliminary contamination conceptual model in the Geotechnics PRA report has been updated to be in line with LKC current risk assessment methodology (detailed below). The model is based on the contamination sources, pathways and receptors identified in the original report. LKC also consider the following should be considered:

The preliminary contamination conceptual model using contaminant-pathway-receptor linkages based on guidance in LCRM[5] has been summarised in Table 4-4.

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 determine what site investigation work is required.

The preliminary contamination conceptual model has identified six 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[6].

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

[4] EA (2008). "Updated Technical Background to the CLEA Model." Science Report – SC050021/SR3.
[5] Land Contamination Risk Management (LCRM) https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm
[6] CIRIA (2001). "Contaminated land risk assessment: A guide to good practice". C552.

classified. This is based on the guidance provided in CIRIA C552 and further details including a risk matrix is provided in Appendix D.

Where LKC identified a low to very low risk, 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.

It should be noted that there may be risk from short term exposure from contaminated soil to site workers during development work. The Preliminary Contamination Conceptual Model deals with long term exposure to key receptors associated with the future use of the site. 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[7]) should be adopted by all workers involved with site enabling and construction works. Therefore, this receptor is not considered in the contamination conceptual model.

[7] HSE (1991). "Protection of Workers and the General Public During Development of Contaminated Land" London HMSO.

| Pollutant Linkage | Pathway | Receptor | Contaminant (source) | Probability | Consequence | Risk | Assessment and Recommendations |
|---|---|---|---|---|---|---|---|
| PL1 | – No viable pathways (dermal inhalation, ingestion) | – Future site users.<br>– Offsite receptors. | – ACM.<br>– Heavy Metals.<br>– PAHs.<br>– Hydrocarbons. | - | - | - | – No viable human health pathways anticipated as the proposed development comprises residential apartments with no soft landscaping.<br>– No pollutant linkage therefore no further assessment required*[1]. |
| PL2 | – Inhalation of vapours.<br>– Migration through permeable strata and preferential pathways. | – Future site users. | – Volatile Contaminants such as hydrocarbons, solvents (made ground, parking, timber treatment) | Low | Medium | Moderate / **Low** | – Low probability given age of industries and likely level raising and reprofiling. PAHs identified in existing site soils. Low risk assumed at this stage.<br>– **Recommendation:** Low level intrusive investigation required. |
| PL3 | – Inhalation of gas.<br>– Migration through permeable strata and preferential pathways.<br>– Explosion in confined spaces. | – Future site users.<br>– Buildings.<br>– Offsite land users. | – Methane, carbon dioxide. (Infilling on site) | Low | Severe | **Moderate** | – Low probability as development works will include level reduction which may remove made ground and the potential on site source.<br>– **Recommendation:** Intrusive investigation required to prove presence or absence of a viable gas source. |
| PL4 | – Surface Run-off.<br>– Migration through permeable strata and preferential pathways<br>– Perched waters migration. | – Groundwater (Principal Aquifer). | – Mobile contaminants such as metals, PAHs, hydrocarbons, mobile compounds (made ground, timber treatment) | Low | Medium | Moderate / **Low** | – Low probability (see PL2). Clay expected below the site will also prevent migration. Therefore, low risk assumed.<br>– **Recommendation:** No testing required unless evidence of significant contamination is identified in the soil. |
| PL5 | – Sulphate attack on concrete. | – Building structure. | – Sulphate (ash identified in made ground). | Likely | Mild | **Moderate** / Low | – Likely probability as ash was identified in made ground, which may be in contact with concrete used in future buildings.<br>– Moderate risk assumed at this stage.<br>– **Recommendation:** Intrusive investigation required. |
| PL6 | – Ingestion of tainted water supply. | – Future site users.<br>– Water pipes. | – Organic Contaminants such as hydrocarbons, solvents (made ground, garage). | Likely | Medium | **Moderate** / Low | – Likely probability as made ground including PAHs is present on site.<br>– **Recommendation:** Intrusive investigation required. |

Table 4-4. Updated Preliminary Contamination Conceptual Model.

**NOTE:**
*[1] The conceptual model only takes into consideration the future use of the site and long-term exposure. Consideration should also be given to the short-term exposure of construction workers and nearby land users to ACM containing soils during groundworks.

# 5 Recommendations

Recommendations are provided in Table 5-1.

| | |
|---|---|
| **Contamination status** | 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. |
| **Further assessment recommendations** | Phase 2 intrusive investigation required, once planning has been approved.<br>Phase 2 investigation to be carried out in line with current guidance, including BS10175[8], BS5930[9] CIRIA C665[10], RB17[11] and BS8485[12].<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. |
| **Type of investigation work** | Boreholes.<br>Boreholes should also be designed / scoped to give suitable insitu geotechnical information. |
| **PL 2, 5, 6** | 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). |
| **PL 3** | Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring or gas protection measures required. |
| **PL 4** | Groundwater sampling, subject to ground conditions encountered.<br>Groundwater samples to be collected from monitoring wells and tested for contaminants of concern based on preliminary conceptual model and ground conditions encountered. |
| **Reporting** | Information from the above can be used to carry out a contamination and geotechnical assessment and provide a remediation strategy for the site. |

Table 5-1: Recommendations.

Further Considerations are summarised in Table 5-2.

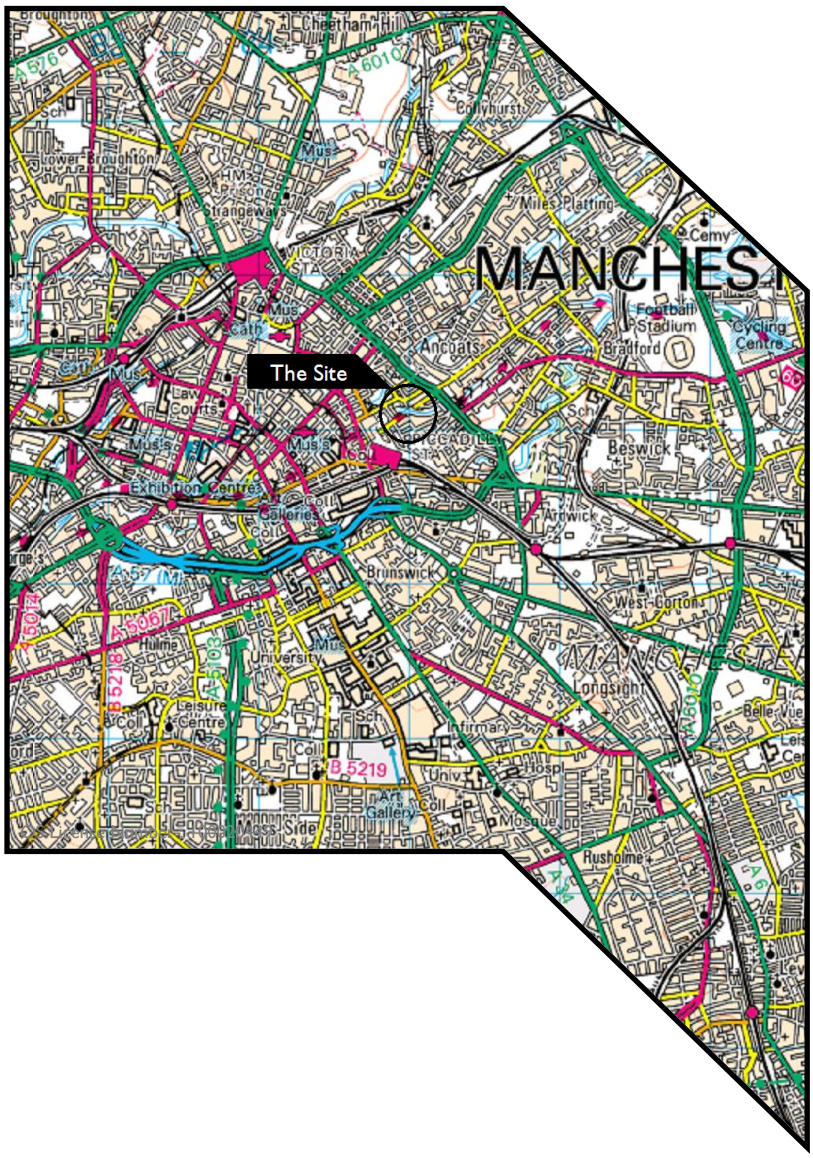
| | |
|---|---|
| **Unexploded Ordnance** | The site is in an unexploded ordnance (UXO) risk area. LKC understand this will be further assessed under separate cover. The report will confirm if any special precautions need to be considered before any intrusive work is carried out. |
| **Asbestos** | Mitigation measures to prevent the release of asbestos fibres from the soils shall be employed in the enabling, site investigation and development works. |
| **Site Access for Intrusive Works** | It should be noted that the investigation will require significant enabling works to allow access for investigation plant from street level. The conditional planning approval should allow for these works to be carried out ahead of the intrusive works. |

Table 5-2: Further considerations.

[8] British Standard (2017). "Investigation of Potentially Contaminated Sites – Code of Practice". BS10175:2017.
[9] British Standard (2015). "Code of Practice for Ground Investigations". BS5930:2015.
[10] CIRIA (2007). "Assessing Risks Posed by Hazardous Ground Gases to Buildings". CIRIA C665.
[11] CL:AIRE Research Bulletin RB17 (November 2012) "A Pragmatic Approach to Ground Gas Risk Assessment".
[12] BSI (2019). "Code of Practice for the Design of Protective Measures for Methane and Carbon Dioxide Ground Gases for New Buildings"." BS8485:2015 + A1 2019.

# Appendix A

# Geotechnics PRA Report




Desk Study on a Site for

# STORE STREET RESIDENTIAL DEVELOPMENT

for

Westwood Estates Development Limited

Engineer : Building Design Partnership Limited

Project Number : PN143226

September 2014

Issuing office :

North West Office
Geotechnics Limited
The Geotechnical Centre
Unit 1, Borders Industrial Park
River Lane, Saltney
Chester
CH4 8RJ
T: 01244 671 117
F: 01244 671 122
mail@chester.geotechnics.co.uk

Head Office Coventry
Geotechnics Limited
The Geotechnical Centre
203 Torrington Avenue
Tile Hill
Coventry
CV4 9AP
T: 024 7669 4664
F: 024 7669 4642
mail@geotechnics.co.uk

South West Office
Geotechnics Limited
The Geotechnical Centre
7 Pinbrook Units
Venny Bridge
Exeter
EX4 8JQ
T: 01392 463 110
F:01392 463 111
mail@exeter.geotechnics.co.uk

Desk Study on a Site
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# STORE STREET RESIDENTIAL DEVELOPMENT

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Desk Study on a Site
for
**STORE STREET RESIDENTIAL DEVELOPMENT, MANCHESTER**

Project No: PN143226
September 2014

# 1.0 INTRODUCTION

A geo-environmental Desk Study has been undertaken by Geotechnics Limited at the site of a proposed multi-storey residential development on Store Street, Manchester. The site covers an area of approximately 0.07 hectares and is located at National Grid co-ordinates 384990, 398080. The Desk Study was carried out to the instructions of the Engineer, Building Design Partnership Limited, on behalf of the Client, Westwood Estates Development Limited. This report describes the work undertaken and presents the data obtained.

The desk study has been undertaken in accordance with Phase 1 of current best practice including BS10175:2011 Investigation of Contaminated Sites Code of Practice and the Defra/Environment Agency Contaminated Land Report 11 (CLR11) Model Procedures for the Management of Land Contamination. It also conforms as closely as possible to the general requirements set down in Environment Agency Guidance on Requirements for Land Contamination Reports: Stage 1 Reports.

# 2.0 OBJECT AND SCOPE OF THE INVESTIGATION

The objective of this report is to satisfy the requirements of the planning authority and to determine whether there is a potential for the land in question to be defined as contaminated under the definition of Part IIA of the Environmental Protection Act 1990, i.e. to determine on the basis of the available information, whether there is a potential to cause significant harm to designated receptors.

As far as is reasonably practicable, this report attempts to determine if the site is likely to be the subject of contaminated land investigation or determination by the appropriate authority or agency.

Throughout this report, reference is made to the currently accepted methodology as defined by the source-pathway-receptor model of land contamination including the production of a site specific Conceptual Model.

The report describes further investigation considered necessary in Phase 2 of the assessment process to confirm the presence or absence of potentially contaminating sources, pathways and receptors identified in this Phase 1 report.

The report includes an assessment of potential errors or uncertainty in the data to give a general level of confidence in the conclusions.

The information included within the Desk Study may include but is not limited to:

- Existing site description and usage
- Adjacent land usage
- Historical usage
- Site topography
- Geology
- Mining, quarrying or landfill usage on site or nearby
- Hydrology
- Hydrogeology
- Potential Contamination
- Consultation with statutory authorities
- Previous site investigations

The report also highlights any identified potential ground engineering hazards that may be anticipated or which may also require further, more-detailed investigation.

The site was visited for the purposes of this Desk Study on 21st August 2014 by Chris Jones of Geotechnics Limited. Photographs taken during this visit are included in Appendix 3.

In addition to the Desk Study, a preliminary intrusive investigation was carried out by Geotechnics Limited in accessible areas of the site in order to inform the design of further investigative works considered

necessary in Phase 2 of the assessment process to confirm the presence or absence of potentially contaminating sources, pathways and receptors identified in this Phase 1 report. The findings of that preliminary intrusive investigation are included within this report.

## 3.0 PRESENTATION

The information derived from the sources obtained and consulted for this study is summarised in Sections 4 to 12.

Desk study data used in the preparation of this report has been obtained from the Landmark Information Group using their Envirocheck Report system.

The data provided in the Envirocheck Report comprises historical Ordnance Survey (O.S.) maps (various scales), together with maps from other sources including the former Soviet military, which have been made available following the end of the Cold War, and historical Goad Insurance Plans.

Environmental data sheets have also been consulted including information on:

- air and water pollution
- discharge consents
- abstraction licences
- registered landfills
- waste treatment facilities
- industrial environmental hazards
- sensitive land designations
- groundwater vulnerability

This information is collected and collated from various agencies such as:

- The Environment Agency (EA)
- British Geological Survey (BGS)
- Local Authorities (LA)
- Natural England.

The data is updated regularly and the most current available data set has been used. However, it is possible that other data may exist which have not been identified in this search.

A note of the limitations and liabilities of the Envirocheck report and the frequency of the data update cycle in relation to the data suppliers are enclosed within the main body of the Envirocheck report.

The Envirocheck report is presented in Appendix 4.

Other external sources of information used in this report may include the following:-

- Pre-existing site reports
- Consultation with statutory authorities

Attention is drawn to the General Notes, Investigation Procedures and Environmental Notes presented in Appendix 10 to aid an understanding of the procedures followed and the context in which the report should be read.

## 4.0 THE SITE

The site is located on the southern side of Store Street and to the south-west of the Ashton Canal aqueduct which crosses Store Street. As the site currently contains no buildings it does not have a recognised postal address or postcode. The postcode for the adjacent building (Unit 2a Gateway Industrial Estate) immediately to the southwest of the site is M1 2NJ. This postcode has been obtained from Landmark's Envirocheck website. It is possible that the proposed development on the site may be given a different postcode.

The Ordnance Survey National Grid Reference at the centre of the site is 384990, 398080.

The site location is shown on an extract from the relevant 1:50,000 Scale O.S. Map enclosed as Appendix 1.

A plan showing the extent of the site as indicated to Geotechnics Limited by the Engineer for the purposes of this Desk Study is included in Appendix 2.

The boundaries shown in the site boundary plan do not necessarily imply legal ownership of or authority over the land. If clarification of a legal boundary is required, enquiries should be made to the appropriate Land Registry Office or the site owner.

On the basis of the data provided by the Engineer in relation to the site and the Landmark Envirocheck Report, the following approximate physical site parameters have been determined.

The site is five-sided (rectangle with corner cut off) covering an area of approximately 0.07 hectares with maximum dimensions of approximately 30m (northwest to southeast) and 25m (southwest to northeast).

The site lies above a stone faced retaining wall (see Photograph 1 in Appendix 3) at the back of the pavement to Store Street. The retaining wall is approximately 2.50m high at its south-western end but steps up to approximately 3.30m at its north-eastern end, has weep-holes at regular intervals (Photograph 2) and appears to be of concrete construction with stone facing (Photograph 3). The south-western edge of the site is supported by a brick or brick-faced retaining wall (Photograph 4) again of approximately 2.50m height adjacent to Store Street but rising towards its south-eastern end. At the top of the retaining walls there are metal railings/fencing (Photographs 5 and 6). The ground behind the retaining walls rises by approximately 5.0m to the eastern boundary and is overgrown with ivy, brambles, trees etc. (Photographs 7 to 11). Some sandstone and brick rubble is evident in places.

The site is surrounded by mixed development. To the northwest lies Store Street with residential development beyond. To the southwest lie units 2a and 2b of the Gateway Industrial Estate. To the south and east lie four-storey residential developments together with a single-storey block of garages.

## 5.0 SITE HISTORY

Past uses of the site can have significant implications for potential contamination and geotechnical issues. Indeed in most cases site history is the most significant issue in helping to determine the potential contamination sources on and or adjacent to the site.

However, OS maps are not always consistent over time in terms of the information they provide and the format in which it is provided. These discrepancies can be due to alterations in map projections, changes in scales, increases in accuracy etc. and may amount to several tens of metres in extreme cases. This can often result in older maps showing the site boundary as offset from that on current maps for example.

Copies of extracts from relevant historical maps of the site and surrounding area have been obtained from the Landmark Group and are included in the Envirocheck Report in Appendix 4. The history of the site and the surrounding area based on the available Ordnance Survey and other readily available map data is summarised as follows:

Historical Site Usage

A web-based map of Manchester and Salford by G. Cole and J. Roper, dated c.1801 (http://freepages.genealogy.rootsweb.ancestry.com/~genmaps/genfiles/COU_files/ENG/LAN/c&r_man/c&r_man_se.jpg) shows the Ashton Canal crossing what appears to be Store Street. The location of the site appears to be undeveloped. *Shooters Brook* is shown running along or close to the line of what appears to be Store Street and this brook appears to pass through the site.

The earliest OS mapping (dated 1848) is of small scale and therefore provides little detail. *Store Street* is shown to the north of the site and the canal to the northeast. The site appears to remain undeveloped but there is no evidence of the earlier Shooters Brook. An unnamed building is evident immediately to the southwest of the site and another lies approximately 30m to the northeast.

The 1851 OS map is of larger scale and shows what appear to be footpaths/tracks crossing the site. These lead to *Norman's Buildings No.1* (to the southwest of the site), *Norman's Buildings No. 2* (to the east of the site) and *Brick Croft* to the south/southeast. Beyond Norman's Buildings No.2 a *Smithy*, *Saw Pit*, *Timber Yard* and *Piccadilly Dock* are shown. What appears to be a surface water feature lies approximately 30m to the southwest with what appears to be the words *Issues* at the northern end and *Enters* at the southern end. On the opposite side of Store Street, *Store Street Mills (Cotton)* are shown.

Goad Insurance Plans dated 1889 included in the Envirocheck Report show development encroaching onto the northernmost and southernmost corners of the site. These buildings are indicated to be up to three storeys high and of brick, stone or concrete construction, the northernmost comprising a *Packing Case Factory* and the southernmost a *Warehouse* and *Stables*. A wooden building is also shown within the site, adjacent to the Packing Case Factory. To the south-west of the Warehouse and Stables a *Timber Yard* and *Timber Shed* are shown whilst on the opposite side of Store Street, Store Street Mills are shown to include *Various Factories* including a *Tin Plate Factory*.

The 1891 OS map shows the majority of the site to

comprise part of a *Packing Case Manufactory* with buildings adjacent to Store Street and yard areas behind. From the kerb lines shown the map, it would appear that the buildings had vehicle access from Store Street. The south-western edge of the site does not appear to be part of this factory but includes the end of a terrace of un-named buildings set back from Store Street. Extensive development has taken place in the surrounding area. The earlier Norman's Buildings (No.1 and No.2) appear to have been demolished. The earlier surface water feature to the southwest has been filled as has Piccadilly Dock to the east. A *Timber Yard* is shown a short distance to the southwest of the site and open yards with either a Crane or Weighing Machine (W.M.) are shown to the east and southeast of the site, respectively. The earlier Timber Yard by the canal is no longer labelled as such. The *Cotton Mill* to the north of Store Street remains and a Tin Works is shown to the west of this.

The 1908 map shows no significant changes to the site but some un-named development has taken place on the earlier yard areas to the east and southeast of the site. The earlier Cotton Mill and Tin Works to the north of Store Street are no longer labelled as such but the buildings remain.

The only notable change on the 1922 map is that the un-named buildings which appeared on the 1908 map to the east of the site have now been demolished.

Goad Insurance Plans dated 1928 continue to show the earlier Packing Case Factory in the northernmost corner of the site but the remainder of the site is primarily occupied by part of a *Saw Mill* (wooden construction) with associated yard for *Timber & Logs* and a *Travelling Gantry*. To the south and east of these lie a further *Saw Mill*, *Timber Yard/Timber Store*, a *Wood Working* workshop and a *Lead Shop*.

The 1933 map is only of small scale but appears to show no significant changes to the layout of the site or immediate surroundings.

By 1948/1951 a large part of the site is shown to be occupied by an *Elevated Crane* although buildings are still shown in the north-eastern corner and along the south-western side of the site. To the east of the site a *Factory* is shown with *Timber Yard* beyond. A *Sweet Factory* and *Clothing Works* are shown to the southeast of the site. To the south and southwest of the site a lot of the earlier buildings have been demolished but the earlier Timber Yard remains as do the buildings immediately adjacent to the site. The buildings to the north of Store Street appear to remain unchanged.

The 1954 map shows little change but identifies the Factory to the east of the site as a *Packing Case Factory* and also identifies a building to the southeast as a *Stainless Steel Works*.

Goad Insurance Plans dated 1962 show little change within the site except that the earlier wooden building has been replaced by a three-storey brick, stone or concrete building with a passage underneath (presumably at Store Street level). The buildings to the south and east continue to be related to timber (*Saw Mill*, *Timber Warehouse*, *Timber Store*) but the earlier Lead Shop is now shown to be a *Tin Case Shop*. An extension to the Saw Mill a short distance to the east of the site is shown to be of *Asbestos* construction.

No significant changes are shown on the 1969 map. However, by 1972 the earlier buildings to the west of the site and to the north of Store Street had been demolished as had those to the east and southeast by 1978.

By 1985 the current buildings immediately to the southwest of the site (Gateway Industrial Estate) had been constructed and the site itself appears to comprise only remnant walls from the earlier development.

The 1992 map shows the current residential development to the east and south-east of the site to have been constructed. By 2006 the current residential developments to the south of the site and to the north of Store Street have also been constructed.

Potential Military Usage

As a consequence of security considerations, O.S. maps and other sources do not always detail potential historical military uses of a site.

However, it is considered that the site and adjacent sites are unlikely to have been put to or affected by significant military use on the basis of the map evidence available.

The Russian Military Map, dated 1975, shows buildings present on and immediately adjacent to the site. None of these are shown to be of Government, Administrative or Military use.

Mineral Abstraction

The historical maps show no evidence of mineral extraction on or immediately adjacent to the site.

However, the reference to Brick Croft on the 1851 OS map may indicate that this site had something to do with the brick-making process, possibly the extraction of clay or for the drying of bricks.

Archaeology
No major items of historical or archaeological significance are indicated on the available maps as having been located on or adjacent to the site.

Any significant archaeological remains located on the site may be subject to investigation by qualified specialists or the County Archaeologist and may lead to additional planning constraints. It is expected that any such concerns they might have would be highlighted during the consultation phase of the planning process.

# 6.0 GEOLOGY

Information published by the British Geological Survey (BGS) on geological maps of the area and from geological memoirs and other relevant literature was consulted.

## 6.1 Geological Information

Reference has been made to the BGS Geological Survey Maps of Manchester (Sheet No. 85) at scales of 1:63,360 (Drift edition) and 1:50,000 (Solid edition). These show that the site is most probably underlain by the following sequence:

Superficial Deposits
Drift cover on the site is shown to comprise Glacial Till (Boulder Clay). Made Ground is not noted on or adjacent to the site on the geological map consulted. However, given the site topography and development history, Made Ground is likely to be present on the site for which the BGS have no records or which are too shallow for incorporation into the current maps.

Solid Geology
Underlying bedrock is shown to comprise rocks of the Sherwood Sandstone Group, namely the Chester Pebble Beds Formation of Triassic age. The conjectured trace of the Ardwick Fault is shown approximately 100m to the southwest of the site, the fault line trending approximately northwest to southeast. The strata to the east of the fault are downthrown.

The map includes a geological section passing approximately 600m to the southeast of the site. This section indicates that the strata dip to the southwest at approximately 16°. The hade of the Ardwick Fault is indicated to be approximately 40° and as a result, the site is expected to be underlain by Carboniferous Coal Measures at a depth of the order of approximately 300m.

BGS Boreholes
BGS borehole logs relevant directly to the site were not available for this study. However, a log for a borehole approximately 40m southwest of the current site was available (http://scans.bgs.ac.uk/sobi_scans/boreholes/1042147/images/12295429.html) and this (SJ89NW5) proved the following ground conditions:

- 0.00m - 9.45m Clay

Made Ground
As discussed above, given the site topography and development history, Made Ground is likely to be present on the site. This may include demolition rubble from the historical buildings on the site but may also include waste materials from nearby industries.

Potential for surface abstraction i.e. quarrying
Given the nature of the drift cover, there is the potential for surface abstraction of Glacial Till to have occurred. However, whilst an area to the south of the site is shown on the 1851 OS map as Brick Croft, there is no map evidence of any extraction on the site itself.

Previous Site Investigations
No previous investigations have been undertaken on this site of which Geotechnics Limited are aware or which have been provided to Geotechnics Limited in the course of our investigation to provide further geological information.

However, Geotechnics Limited have carried out investigations on sites to the west (c. 70m) and south-south-east (c. 130m) of this site. The closest exploratory holes on those sites to this site proved the following ground conditions:

South-south-east: Ground level c. 43.3m OD

| | |
|---|---|
| 0.00m – 1.60m | Made Ground |
| 1.60m – 5.80m | Firm/stiff Clay |
| 5.80m – 10.50m | Sandstone |

West: Ground level c. 37.9m OD

| | |
|---|---|
| 0.00m – 0.90m | Made Ground |
| 0.90m – 1.50m | Dense Sand |
| 1.50m – 7.50m | Stiff/very stiff Clay |
| 7.50m – 8.30m | Dense Sand |
| 8.30m – 10.00m | Sandstone |

However, further to the west-south-west (c. 170m) Made Ground was encountered to depths of up to approximately 8.20m below ground level (Store Street level) and these holes were thought likely to be close to the original course of Shooters Brook which it is understood has been put into culvert below Store Street.

## 6.2 Geological Hazards

Coal Mining Affected Areas and Shallow Mining Hazards

The site lies within an area where coal or other underground mineral deposits are located, albeit at depth.

A Coal Mining Report has been obtained from the Coal Authority via the Landmark Information Group (see Appendix 5). This states that the site, "…is in the likely zone of influence from workings in 2 seams of coal at 1050m to 1090m depth, and last worked in 1961. Any ground movement from these workings should have stopped by now".

The report indicates that there are no present or planned future coal workings which could affect the site. However, reserves of coal exist which could be worked at some time in the future.

There are no known mine entries within the site or within 20 metres of the site boundary.

Collapsible and Compressible Ground Stability

The Envirocheck Report considers there to be a *Very Low Hazard Potential* for collapsible ground at this site. The Compressible Ground below the site is indicated to be *No Hazard*. Given the anticipated natural geology at this site Geotechnics Limited would concur with this view for the natural strata. However, as alluded to earlier, the historical course of Shooters Brook is thought to have passed below this site and in addition, current ground levels lie well above the level of Store Street. A considerable thickness of Made Ground is therefore expected to be present and the stability of this will depend on its constituents and degree of compaction.

Ground Dissolution Stability

The Envirocheck Report considers the potential for ground dissolution to be *No Hazard*. Given the anticipated geology, Geotechnics Limited would concur with this view.

Landslide Hazards

The Envirocheck Report considers there to be a *Very Low Hazard Potential* for landslides at this site. Given the anticipated geology and current topography, Geotechnics Limited would concur with this view. However, it should be noted that removal of the existing retaining walls or any regrading of the ground profile may lead to instability if slopes are over-steepened.

Running Sand Hazards

The Envirocheck Report considers there to be a *Very Low Hazard Potential* for running sand at this site. Given the anticipated geology, Geotechnics Limited would concur with this view.

Shrinking / swelling Clay Hazards

The Envirocheck Report considers there to be a *Very Low Hazard Potential* for shrinking/swelling clay at this site. Given the anticipate geology, Geotechnics Limited consider that clay (Glacial Till) is likely to lie below the site. However, the potential for any moisture variations within this clay which could lead to shrinking/swelling will depend on the depth to the clay below existing and proposed ground levels.

Natural and Mining Cavities

A man-made mining cavity is indicated in the Envirocheck Report at an estimated distance from the site of 960m. This relates to a shaft entry to sandstone workings located to the south of the site.

Radon Affected Areas and Protection Measures

The Envirocheck Report indicates that the site is in a lower probability radon area as less than 1% of homes are above the action level. As such no radon protective measures are necessary in the construction of new dwellings.

BGS Recorded Mineral Sites

There are no BGS recorded mineral sites noted in the Envirocheck Report in the immediate vicinity of the site.

# 7.0 HYDROLOGY

Any surface water (including rivers, streams, lakes, canals, estuaries and coastal waters) is classified as a Controlled Water. The Environment Agency is currently the regulator responsible for ensuring its protection from pollution. This section outlines the surface water bodies identified as potential receptors in the context of contaminated land risk assessment.

River Catchment

The site lies in the general catchment of the River Medlock and its tributaries.

Nearest watercourse
The nearest watercourse is the Ashton Canal which lies approximately 25m to the north of the site at its closest point. The canal is elevated above the general site level.

Flooding Category
The Envirocheck Report indicates that the site is not at risk from flooding.

Water Quality
The Envirocheck Report indicates that the Ashton Canal was classed as River Quality C when assessed in the year 2000. The River Medlock was assessed at that time as River Quality E.

River Quality Chemistry sampling of the River Medlock between 1990 and 2009 indicates a gradual improvement from GQA Grade E (Poor) in 1990 to Grade B (Good) in 2007 followed by a reduction to Grade C (Fairly Good).

Water Abstractions
The Envirocheck Report indicates that the nearest Water Abstraction lies approximately 575m to the southeast of the site and relates to abstraction from a borehole by Moseley Rubber Company Limited. No permit end date is given.

Discharge Licences
The Envirocheck Report lists three Discharge Consents within 250m of the site. These relate to storm sewage overflow and discharge of treated effluent. Receiving waters are noted to be Shooters Brook and the River Medlock. The nearest of these consents is indicated to be just 5m to the north of the site.

Pollution Incidents
The Envirocheck Report lists a single pollution incident to controlled waters within 250m of the site. This relates to an incident in 1996 an estimated 207m to the northwest of the site. The incident involved paints/dyes in the Ashton Canal and was classed as a Category 3 - Minor Incident. There are no prosecutions relating to controlled waters listed in the Envirocheck Report within 250m of the site.

# 8.0 HYDROGEOLOGY

Groundwater in the saturated zone below the water table is also classified as Controlled Water. The Environment Agency is currently the regulator responsible for its protection from pollution. This section outlines the groundwater conditions identified at the site.

Groundwater
The depth to groundwater below this site is unknown at present. However, from monitoring carried out by Geotechnics Limited in boreholes on a site to the west of this site, it would appear that the water table lies below rockhead level. However, due to the low permeability of the overlying Glacial Till, there may be a perched water table in any Made Ground above the Glacial Till, or in any granular strata or lenses within the Glacial Till.

Groundwater Vulnerability
The Envirocheck Report indicates that the Bedrock Aquifer Designation is *Principal Aquifer* whilst the Superficial Aquifer Designation is *Unproductive Strata*. The Envirocheck Report also indicates that the soils on the site are classified as being of *High Leaching Potential*. This is consistent with the presumed site geology as detailed on the geological maps covering the site.

Source Protection Zones
The site does not lie within or adjacent to a Source Protection Zone.

Potential for Contamination Movement Pathways
On the basis of the above geological and hydrogeological information, it is considered that the likelihood of liquid contamination (if present) migrating in the underlying superficial deposits is low. However, the likelihood of liquid contamination (if present) migrating in the underlying solid strata is high.

It is also considered likely that there would be a significant potential for gas contamination (if present) to migrate towards or from the site.

# 9.0 ENVIRONMENTAL ISSUES

The Envirocheck Report provides information on a variety of environmental aspects relating to the site from which potential sources of contamination and potential receptors can be deduced.

The results can be summarised as follows:-

There are none of the following located within 250m of the site:

- Contaminated Land Register Entries and Notices
- Enforcement and Prohibition Notices

- Integrated Pollution Controls
- Integrated Pollution Prevention and Control
- Local Authority Integrated Pollution Prevention and Control
- Prosecutions Relating to Authorised Processes
- Registered Radioactive substances
- Substantiated Pollution Incident Register entries
- Landfill and Waste Management Facilities
- Control of Major Accident Sites (COMAH)
- Explosive Sites
- Notification of Installations Handling Hazardous Substances (NIHHS)
- Planning Hazardous Substance Consents or Enforcements
- Fuel Station Entries
- Green Belt
- Areas of Outstanding Natural Beauty
- Environmentally Sensitive Areas
- Forest Parks or Nature Reserves
- National Parks
- Nitrate Sensitive Areas
- Nitrate Vulnerable Zones
- Ramsar Sites (wetlands of international importance designated under the Ramsar Convention)
- Sites of Special Scientific Interest (SSSIs)
- Special Areas of Conservation
- Special Protection Areas

The Envirocheck Report lists four Local Authority Pollution Prevention and Controls permits within 250m of the site. The closest of these relates to waste oil burners at Central Taxi Spares Ltd 75m to the south of the site. The permit status is shown to be revoked. The other three permits relate to furnaces for the extraction of non-ferrous metal from scrap/aluminium and aluminium alloy processes at Presbar Diecastings Ltd approximately 100m to 150m to the north/northeast of the site. These permits are shown to be permitted/authorised.

The Envirocheck Report lists a single Local Authority Pollution Prevention and Control Enforcement within 250m of the site. This relates to an Air Pollution Control Enforcement Notice issued in respect of a failure to update furnace emission records at a property on Store Street, some 164m to the west of the site.

The Envirocheck Report lists thirty-seven (37 No.) Contemporary Trade Directory Entries within 250m of the site. The trades include the following classifications:

- Garage Services (both active & inactive)
- Car Body Repairs (inactive)
- Car Dealers (inactive)
- Knitwear Manufacturers & Wholesalers (both active & inactive)
- Boilers – Servicing, Replacements & Repairs (inactive)
- Leisure & Sportswear Manufacturers & Wholesalers (inactive)
- Clothing & Fabrics – Manufacturers (both active & inactive)
- Distribution Services (inactive)
- Engineering Machine Services (inactive)
- Glass Products – Manufacturers (inactive)
- Mechanical Engineers (active)
- Hardware (active)
- Tyre Dealers (inactive)
- Die-Casting Equipment & Services (inactive)
- Commercial Cleaning Services (active)
- Car Breakdown & Recovery Services (inactive)
- Printers (active)
- Cleaning Materials & Equipment (inactive)
- Builders' Merchants (active)
- Stairlifts – Manufacturers & Installers (active)
- Damp & Dry Rot Control (active)
- Railways (inactive)
- Sewing Machines - Industrial (inactive)
- Commercial Vehicle Servicing, Repairs, Parts & Accessories (inactive)
- Office Furniture & Equipment (inactive)

## 10.0 EXTERNAL CONSULTATION

The Local Authority for the area in which the site is located is Manchester City Council. The Local Authority was contacted to provide additional information about site history, environmental issues and priority level of the site within its contaminated land inspection strategy.

The Local Authority stated in e-mail correspondence dated 1st September 2014, that the Environmental Protection Group is aware of past uses of the study site and search area and *that* there *may* be potential sources of contamination *present*.

The site has not yet been assessed as part of the Council's Statutory Contaminated Land Inspection Strategy and the current potential for land contamination remains undetermined.

We understand that currently the site has not been designated as Contaminated Land.

The information in writing provided by the Local Authority can be found in Appendix 6.

# 11.0 PREVIOUS SITE REPORTS

No previous site reports or investigations for this site have been made available to Geotechnics Limited in the preparation of this report.

# 12.0 PRELIMINARY INVESTIGATION

A preliminary intrusive investigation was carried out by Geotechnics Limited. Due to access limitations and the overgrown nature of the site, this preliminary investigation was limited to hand-held techniques close to the north-westernmost corner of the site. Despite the use of a brushwood cutter access further into the site was not possible.

The object of this preliminary investigation was to obtain information on the ground and groundwater conditions in order to inform the design of further investigative works considered necessary in Phase 2 of the assessment process to confirm the presence or absence of potentially contaminating sources, pathways and receptors identified in this Phase 1 report. This preliminary investigation comprised hand-held dynamic sample boreholes and laboratory testing.

## 12.1 General

The procedures followed in this preliminary investigation are based on *BS 5930:1999 + A2:2010 – Code of Practice for Site Investigations* and *BS 10175 (2011) Investigation of Potentially Contaminated Sites*.

The soils encountered have been described in accordance with BS5930:1999 + A2:2010 and BS EN ISO 14688-1:2002. The Dynamic Sample Borehole Records are included in Appendix 7 and their positions are shown on the Exploratory Hole Location Plan in Appendix 8.

The Exploratory Hole locations were selected by Geotechnics Limited in those areas of the site where access could be gained. No surveying was commissioned as part of the investigation. The depths quoted on the exploratory hole records are in metres below ground level.

At each exploratory hole location an inspection pit was excavated using hand tools to check for the presence of underground services. Prior to and on completion of the excavation, the location was scanned using a cable avoidance tool (CAT).

## 12.2 Dynamic Sample Boreholes

Two (2 No.) Dynamic Sample Boreholes were undertaken at the site to depths of 2.55m (WS01) and 0.70m (WS02) below ground level. The work was carried out on 26th August 2014.

The Dynamic Samples were taken using a hand-held percussive device which drives lined steel tubes into the ground in 1m lengths. Samples are retrieved in the plastic liners. The hole is not cased and progress depends on the nature of the strata penetrated.

Groundwater observations are included on the Borehole Records where appropriate. The boreholes were backfilled with arisings on completion.

## 12.3 Laboratory Testing

Selected samples of soil were tested at the laboratories of Jones Environmental Laboratory Limited (UKAS Accredited Laboratory No. 4225) for a number of determinands in order to check on potential site contamination. The determinands were selected by Geotechnics Limited to provide a screen for the more common contaminants. The selected determinants are detailed on the results sheets in Appendix 9 together with the test result as well as the test method, accreditation and detection limit.

## 12.4 Ground Conditions

The exploratory holes each encountered Made Ground throughout their full depth. This comprised

dark brown slightly gravelly sandy clay with a variable cobble content of brick and concrete. No groundwater was encountered in the exploratory holes.

## 12.5 Contamination

The results of the soils analyses have been compared to the CLEA Soil Guideline Values (SGVs) where these have been published. Soil Guideline Values have been set for three Standard Land Use categories:

- Residential
- Allotments
- Commercial/Industrial

For initial screening purposes, the use of "Residential" category SGVs is considered appropriate. Residential can be divided into two further categories, that with plant uptake and that without. Given the high-rise proposal for this site, the "Residential without plant uptake" category is considered the most appropriate.

At the time of writing, Soil Guideline Values (SGVs) have been published for five inorganic determinands; Arsenic, Cadmium, Mercury, Nickel and Selenium and six organic determinands; Benzene, Toluene, Xylene (m, p and o), Phenol, Dioxins and Ethylbenzene. These values are provided mainly from the updated CLEA UK (v1.06) model as screening values and are generally considered conservative, hence where the SGVs are not exceeded, the risk to humans from long term exposure is considered low to negligible.

For substances for which there are no official published SGVs or for which updated published values are not yet available, comparison is made to the previously published guidance to give an indication of relative contaminant levels. Since in general, the updated published SGV's are returning new values higher than the previous values, the former are still considered reasonable for comparison and guidance. It is generally assumed at the time of writing that most current SGV's will probably increase rather than decrease. However, reassessment against the new screening values will be required as and when they become available.

Reference was also made to Generic Assessment Criteria (GAC) for Human Health published by the Chartered Institute of Environmental Health (CIEH) – LQM (2008) and the EIC/AGS/CL:AIRE (2010) collection of screening values derived using the current CLEA UK model and CLR assumptions but not formally adopted or endorsed by DEFRA or the Environment Agency. SGVs and GAC's both make assumptions about the methods by which contamination can reach receptors and assumptions about the amounts each pathway can transmit in order to derive generic values for basic screening purposes.

It is standard practice to carry out a statistical analysis of the available test data in order to compare the 95$^{th}$ percentile confidence upper bound of the results based on a normal distribution and to screen out any statistical outliers. However, given the limited test data available from this preliminary intrusive investigation, the maximum values recorded have been compared to the relevant SGVs/GACs in order to provide an indication of the contamination status of the site. It is anticipated that this would be refined using statistical analysis when a more extensive dataset is available following Phase 2 of the investigation process.

The following table compares the maximum concentrations of the chemical testing on soil samples with the published SGVs:

| Determinant | Maximum Concentration Recorded (mg/kg) | SGV for Residential without Plant Uptake use (mg/kg) |
|---|---|---|
| Arsenic | 25.7 | 35 |
| Cadmium | 0.5 | 80 |
| Mercury | 0.3 | 240 ^ |
| Nickel | 26.6 | 130 |
| Selenium | 1 | 595 |
| Lead | 523 | 450 # |
| Benzene | 0.008 | 1.0* |
| Toluene | 0.008 | 2710* |
| Ethylbenzene | <0.005 | 167* |
| o-Xylene | <0.005 | 321* |
| m,p-Xylene | <0.005 | 288*◊ |

# Old SGV (Based on Geometric mean – no replacement published to date)
^ SGV for inorganic Mercury
* SGV based on SOM = 6% (mean SOM = 7.58%)
◊ SGV for p-Xylene (worst case)

The maximum recorded value for each of the determinants (except for Lead) is below the relevant SGV. The values recorded for the above determinants (except for Lead) are therefore not considered to pose a hazard.

Taking the six samples tested in isolation, the maximum recorded concentration of Lead of 523mg/kg (WS01 at 0.90m depth) is a statistical

outlier. This could potentially indicate a "hot-spot" of Lead contamination. However, following Phase 2 of the investigation process, it is possible for this result to no longer be a statistical outlier when analysed as part of a more extensive dataset.

Where SGVs are not available, comparison has been made to Generic Assessment Criteria (GAC) for Human Health (Chartered Institute of Environmental Health – LQM 2008) - GAC(LQM/CIEH) and the EIC/AGS/CL:AIRE (2010) collection of screening values or (where necessary) in-house screening values derived using the current CLEA UK model. The following table shows the maximum concentrations recorded together with the corresponding GAC or in-house screening values.

| Determinant | Maximum Concentration Recorded (mg/kg) | Screening value for Residential without Plant Uptake use (mg/kg) |
|---|---|---|
| Copper | 350.9 | 6,200 |
| Zinc | 430 | 4,000 |
| Chromium | 37.6 | 627 # |
| Acenaphthene | 1.37 | 1000* |
| Acenaphthylene | 0.29 | 850* |
| Anthracene | 2.43 | 9200* |
| Benz(a)anthracene | 9.02 | 5.9* |
| Benzo(a)pyrene | 9.01 | 1* |
| Benzo(ghi)perylene | 4.28 | 47* |
| Benzo(b)fluoranthene | 9.71 | 7* |
| Benzo(k)fluoranthene | 3.78 | 10* |
| Chrysene | 10.05 | 9.3* |
| Dibenzo(ah)anthracene | 0.74 | 0.9* |
| Fluoranthene | 16.88 | 670* |
| Fluorene | 0.79 | 780* |
| Indeno(123-cd)pyrene | 4.20 | 4.2* |
| Naphthalene | 0.21 | 8.7* |
| Phenanthrene | 9.44 | 380* |
| Pyrene | 15.21 | 1600* |
| MTBE | <0.005 | 225* |
| Aliphatics C5-C6 | <0.1 | 110* |
| Aliphatics C6-C8 | <0.1 | 370* |
| Aliphatics C8-C10 | <0.1 | 110* |
| Aliphatics C10-C12 | <0.2 | 540* |
| Aliphatics C12-C16 | <4 | 300* |
| Aliphatics C16-C35 | 615 | 76000* |
| Aromatics C5-C7 | <0.1 | 280* |
| Aromatics C7-C8 | <0.1 | 611* |
| Aromatics C8-C10 | <0.1 | 151* |
| Aromatics C10-C12 | <0.2 | 346* |
| Aromatics C12-C16 | 9 | 593* |
| Aromatics C16-C21 | 58 | 770* |
| Aromatics C21-C35 | 314 | 1230* |

# CIEH screening value for Chromium III (March 2011)
* Based on SOM = 6% (mean SOM = 7.58%)

The maximum recorded value for each of the determinants (except for Benz(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene and Chrysene) is below the relevant screening value.

| Determinant | 95% Upper Bound Confidence Value (mg/kg) | Screening value for Residential without Plant Uptake use (mg/kg) |
|---|---|---|
| Benz(a)anthracene | 5.9 | 5.9* |
| Benzo(a)pyrene | 5.8 | 1* |
| Benzo(b)fluoranthene | 6.3 | 7* |
| Chrysene | 6.3 | 9.3* |

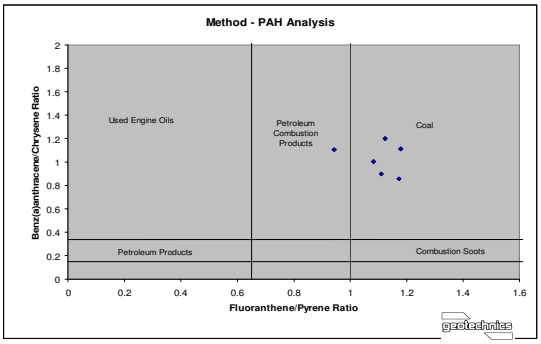
# CIEH screening value for Chromium III (March 2011)
* Based on SOM = 6% (mean SOM = 7.58%)

With the exception of Benzo(a)pyrene, the 95% upper bound confidence value for the four PAHs listed above is below the relevant screening value.

The majority of the values recorded for the above determinants are therefore are therefore not considered to pose a hazard.

Taking the six samples tested in isolation, the 95% upper bound confidence value for Benzo(a)pyrene potentially indicates that it represents a source of contamination for the site. However, following Phase 2 of the investigation process, it is possible for the 95$^{th}$ upper bound confidence value to be revised, when analysed as part of a more extensive dataset.

The screening value for Benzo-a-pyrene in soils of 6% SOM is 1mg/kg, hence even allowing for the higher SOM in the surrounding soil, the 95% confidence value is almost six times this figure. A plot of the ratio of Benz(a)anthracene/Chysene against the ratio of Fluoranthene/Pyrene is presented below showing the likely sources of the elevated Benzo-a-pyrene recorded in the samples analysed. For clarity, a larger copy of this plot is presented in Appendix 9 with the chemical test results.



The plot shows coal fragments as being the likely source of the Benzo(a)pyrene for the samples tested, with the exception of the sample recovered from WS01 at 2.10m depth (where petroleum combustion products are indicated as the likely source).

The analyses for water soluble sulphate for the samples tested show the site to lie within Design Sulphate Class DS-1 of BRE Special Digest 1. The characteristic pH value for soil is 7.04. The site is considered 'brownfield' and groundwater is conservatively considered to be mobile. The soils are not expected to be pyritic and the ACEC Class for the site is therefore AC-1. However, this classification may require review following completion of Phase 2 of the investigation process.

***Asbestos Contamination***
Traces of free fibres of White Asbestos (Chrysotile) were identified in the soil sample recovered from WS01 at 0.90m depth.

Asbestos presents a hazard when it is disturbed and fibres are released and inhaled. If left buried below concrete slabs, structures, hard cover and/or a sufficient thickness of topsoil, Asbestos present in the soil does not present a significant risk to human health based on the proposed site usage.

At present there is no agreed threshold level for the concentration of Asbestos fibres in soil. The Inter-Departmental Committee on the Redevelopment of Contaminated Land (ICRCL) proposed a level of 0.001% in 1990. This figure is used today as the criterion between "quantifiable" amounts and "trace levels" of Asbestos in soil.

The proposed development will involve excavations into the soil for new foundations and buried services. In such circumstances, specialist advice should be sought from an appropriately qualified and licensed professional to fully assess the Asbestos risk to human health at the site (particularly during construction). Further soil testing for Asbestos should be carried out as part of the Phase 2 work.

# 13.0 GEOTECHNICAL HAZARDS

It is understood that proposals for the site include the construction of a fourteen-storey residential block with access at Store Street level. This will require a retaining structure along the south-eastern, eastern and north-eastern boundaries of the site.

## 13.1 Foundations

Given the height of the proposed development, it is anticipated that column loads at foundation level will be high and that all structural loads will need to be carried down into the underlying sandstone strata. Given the anticipated depth to the sandstone bedrock it is anticipated that piled foundations will be required. With the close proximity of other buildings, it is expected that piles of the CFA bored type will probably be best suited to the site. Piles would be taken into the sandstone to develop shaft friction from the rock socket and end-bearing resistance. Intrusive investigation will be required in order to determine the depth to the sandstone and strength of these rocks.

## 13.2 Ground Floor Slabs

The ground floor slab solution will depend upon the depth to natural strata, type of natural strata and degree of variability across the site. Intrusive investigation will be required in order to determine the most appropriate ground floor slab solution.

## 13.3 Buried Concrete

Intrusive investigation will be required together with analysis of samples for the BRE SD1 suite in order to inform the design of mixes for buried concrete.

## 13.4 Retaining Walls

Given the close proximity of the adjacent residential development, it is anticipated that the proposed retaining wall along south-eastern, eastern and north-eastern boundaries will need to be constructed before significant removal of soil takes place from the site. This will pose a number of logistical problems particularly given the difficulties of access to the site. It is anticipated that an embedded pile wall (contiguous bored or secant bored) will be best suited to the ground conditions given the proximity of the adjacent development. Clearly, early discussion with piled wall specialists would be advisable to determine how this could be achieved within the constraints of this site.

## 13.5 Excavatability

The excavatability of the Made Ground will depend upon its constituents. From the preliminary investigation it is clear that some cobble or boulder obstructions of concrete and brick are present within the Made Ground. Normal backhoe excavation plant would probably have little difficulty

in removing these but they may pose a problem for piling plant, possibly requiring the use of local pre-excavation. There is also a risk that there may be substructure remains from the historic development, possibly requiring the use of hydraulic breaking equipment to assist with their removal. Such equipment will also be necessary to assist with the removal of any larger obstructions within demolition materials.

The natural soils are expected to be considered 'easy digging' for normal backhoe excavation plant. Likewise, the weathered uppermost part of the sandstone bedrock is expected to be rippable.

Intrusive investigation will be required in order to determine the constituents of any Made Ground and the depth to the various strata. Such investigation will also allow determination of groundwater levels such that an appropriate assessment of any dewatering requirements can be made.

## 13.6 Risks to Adjacent Structures

Care will be needed where excavations are required close to existing buildings or infrastructure. Full support to these buildings and associated infrastructure must be maintained at all times. Additionally, any vibrations and ground displacements during construction will need to be kept to a minimum to ensure that they do not have a detrimental effect on adjacent buildings or infrastructure.

# 14.0 CONTAMINATION

## 14.1 Legal Framework

Land contamination is an increasingly important consideration within the overall planning regime. Reference should be made to the Environmental Notes in Appendix 10 to aid in understanding this report and assessment.

## 14.2 Proposed Site Use

For the purposes of this report, the contamination risk assessment in respect of human health is considered in the context of a proposed site use of residential without plant uptake.

## 14.3 Conceptual Model

The Conceptual Model is a representation of the current understanding of the site and the surrounding environment. This includes and incorporates an understanding of the geology, groundwater, surface water bodies and potential contamination processes acting on substances present and migration pathways.

### 14.3.1 Sources

The site has been developed since the late 19th Century whilst development of the surroundings commenced around the mid-19th Century. On site development is known to have included the following:

- Packing Case Factory
- Warehouse
- Stables
- Saw Mill
- Timber Yard

Development in the surrounding area is known to have included the following:

- Smithy
- Saw Pit/Mills
- Canal Dock
- Cotton Mill
- Timber Yards/Warehouses
- Metal Factories/Works (including Tin, Lead and Stainless Steel)
- Various Factories/Works (including Sweet and Clothes)

Some of these buildings are known to have contained Asbestos within their construction.

The exact processes and materials stored or used at the site are not known in detail but general conclusions and assumptions can be made. Based on the information in CLR8 and relevant DOE industry profiles, potential contaminants and their sources may include:

- Metals
- Acids/Alkalis (pH)
- Polyaromatic Hydrocarbons (PAH)
- Petroleum Hydrocarbons (TPH)
- Phenols
- Asbestos

In addition to the above, the early course of

Shooters Brook appears to lie below the site. It is understood that the brook has been put into culvert below Store Street and the former brook valley filled. As a result, in addition to the above contaminants, the fill materials may contain the following potential contaminants:

- Sulphur
- Sulphates
- Landfill Gas

The identification of a potential source should not be taken to indicate its actual presence which can only be determined through a Phase 2 intrusive investigation and associated environmental testing. However, the results of analyses on samples from the preliminary intrusive investigation have indicated the presence of elevated concentrations of Lead and Benzo(a)pyrene.

### 14.3.2 Pathways - General

A pathway can be defined as: "A possible route or means by which a receptor could be, or is exposed to, or affected by a contaminant". Pathways for Human Health and Controlled Waters are considered separately since they generally follow different pathways.

Humans
The Contaminated Land Exposure Assessment (CLEAUK) Model designed for Human Health includes ingestion, dermal contact and inhalation pathways. All of these pathways must be considered when undertaking risk assessment.

Where the proposals for the site include complete hardstanding, ingestion and outdoor dermal contact pathways are not considered likely to be present.

If soft landscaping is present, these potential pathways must be considered regardless of the model used. Given that the site will be redeveloped and may include areas of soft landscaping, in this case all of the above must be considered.

Controlled Waters
Controlled Waters for the purpose of this investigation are defined as any lake, pond, river or watercourse and groundwater. This therefore includes water contained within the saturated (phreatic) zone. Soil pore waters and waters contained within the unsaturated (vadose) zone are therefore outside the definition of controlled waters and as such are not considered as receptors.

### 14.3.3 Receptors - General

A receptor in general terms is normally defined as some thing that could be adversely affected by being exposed to a contaminant. The receptors to be considered in this assessment are therefore as follows:

- Humans: residents (adults and children) and construction workers.
- Controlled Waters: Surface Water and Groundwater
- Building Fabric

Ecological receptors have not been highlighted as a concern on the basis of the Envirocheck Report and have therefore been removed from consideration in the model.

### 14.3.4 Site Specific Contamination Linkages

The following potential site specific Source-Pathway-Receptor Linkages have been identified. These form the basis of the site specific Conceptual Model (CM):

- Metals, PAH, TPH, Phenols – Ingestion – Humans
- Metals, PAH, TPH, Phenols, Asbestos – Inhalation of dust – Humans
- Metals, PAH, TPH, Phenols – Dermal contact – Humans
- Landfill Gas – Explosion/asphyxiation – Humans
- Metals, PAH, TPH, Phenols, pH, Sulphate – Leaching/migration – Controlled Waters
- Acids, Sulphur, Sulphates – Direct contact – Building fabric (concrete)
- TPH, Phenols, pH – Direct contact – Building fabric (water supply pipes)
- Landfill gas – Explosion – Building fabric

This preliminary model is of necessity generalised and local variations may exist which have not been taken into account by the model.

## 14.4 Preliminary Risk Assessment

Using the linkages identified above in Section 14.3.4 a preliminary conceptual model has been produced for the site. The following assessment will be used to determine the level of risk that the identified potential linkages may pose to the identified receptors.

### 14.4.1 Human Health

The presence of concrete floor slabs to the building should effectively seal the surface and thus break the pathways in these areas between any source and human receptors. However, a risk would remain in any soft landscaped areas. These risks could potentially be mitigated by importing a sufficient thickness of clean topsoil and (if intrusive investigation shows it to be necessary) subsoil.

There may potentially be risks to site workers coming into direct contact with contaminated materials. This risk is considered moderate, but can be mitigated during the works by ensuring that all site works are undertaken with the appropriate level of protection. This might include barrier protection measures (i.e. gloves etc.), good site cleanliness and the provision of changing and washing facilities. In general, given the shorter exposure times, the figures for allowed amounts of contamination are generally orders of magnitude higher for occupational health than for contaminated land SGV's. However, this will need to be balanced against the fact that workers can make contact with the contaminated material directly. Such a health and safety assessment is considered beyond the scope of this report and specialist advice should be sought.

Consideration should also be given to reducing the amount of dust generated on the site and the potential for contaminated material to leave the site, for example on the wheels of plant or equipment.

### 14.4.2 Controlled Waters

It is anticipated that rainfall on the roof will be collected and directed to the main sewer system. As such, there will be only limited potential for leaching of contaminants in any areas of soft landscaping. This potential leaching of contaminants could be reduced by including a low permeability layer below the topsoil, should intrusive investigation show this to be necessary.

### 14.4.3 Buildings and Services

Concrete

Sulphates and/or acidic conditions within the ground can attack and weaken subsurface concrete. Selection of an appropriate (BRE Special Digest 1) concrete mix for all subsurface concrete work should mitigate the potential risks from any sulphate or acid attack.

Water Supply Pipes

Certain contaminants can affect water supply pipes and taint water supplies. Selection of appropriate pipe materials or laying of pipes in clean imported soils can mitigate such effects. Where water supply pipes are proposed, it is recommended that the specialist pipe manufacturers and water supply companies are approached for guidance on appropriate measures for this site.

In January 2011, UK Water Industry Research (UKWIR) published "*Guidance for the Selection of Water Supply Pipes to be used on Brownfield Sites*" (Ref: 10/WM/03/21). In May 2011, United Utilities published their "*Supplementary guidance for the selection of water pipes in land potentially affected by contamination*" which sets out the company's guidance for undertaking a risk assessment where new water supply pipes are to be laid in potentially contaminated ground.

### 14.4.4 Risk Assessment Conclusions

Based on the evidence outlined in the proceeding investigation and assessment it is concluded that there is a perceived risk to human health, controlled waters and building/service receptors that warrants further quantification and identification by intrusive site investigation.

## 15.0 CONCLUSIONS AND UNCERTAINTIES

Conclusions

On the basis of the desk study there is the potential for contamination at this site to cause harm to human, controlled waters and building/service receptors. There is also the need to identify whether there may be harmful concentrations of landfill gas being generated from the Made Ground below this site or migrating on to the site from an off-site source.

In addition to the above, intrusive investigation is also deemed necessary in order to inform the selection of an appropriate foundation solution.

Uncertainties

The following uncertainties remain following this desk study:

- The thickness and constituents of the Made Ground below the site.
- The presence or otherwise of substructure

remains.

- The strength/relative density and deformation characteristics of the natural drift deposits below the site.
- The depth to rockhead and strength of the sandstone strata.
- The depth to groundwater.
- The presence or otherwise of solid, leachable or liquid contamination below the site.
- The presence or otherwise of landfill gases below the site.

# 16.0 RECOMMENDATIONS FOR FURTHER INVESTIGATION

Based on the evidence outlined in the proceeding investigation and assessment it is concluded that there are potential and perceived risks to human, controlled water and building/service receptors.

On the basis of this conclusion, it is recommended that a Phase 2 detailed geotechnical and contamination investigation should be planned using guidance in *BS5930:1999 Code of Practice for Site Investigation, CLR4 Sampling Strategies for Contaminated Land (DoE 1994)* and *BS10175:2011 Investigation of Potentially Contaminated Sites.*

The investigation should be sufficient to locate and identify contamination from the specific sources identified within this report as being potentially present on the site. If possible the investigation should also be undertaken in such a manner as to be able to determine the extent of any such potential contamination.

The investigation should provide sufficient coverage and including testing appropriate to detect both general levels of contaminants and any hot-spots, either in the surface soils which might affect human health or in soils where leaching might occur.

The investigation should include determination of groundwater levels and quality, especially in areas where the identified contamination is potentially mobile. It should also include ground gas and groundwater monitoring over a period of time to determine changes in gas concentrations and gas flows under certain conditions and fluctuations in the groundwater table.

The investigation should also be used to determine and target potential geotechnical hazards which might affect foundations, ground bearing floors and pavements, together with specific hazards such as retaining walls and excavatability.

The location and number of investigation points and methods of investigation will ultimately depend on access restrictions. It will also depend on several other factors including the size of the site and an appraisal of the site history outlined above.

It is understood that Phase 2 of the investigation process will be carried out after appointment of the Main Contractor and only once the site has been cleared of vegetation, stripped, levelled and made safe for borehole rigs. It is recommended that a series of three cable percussion boreholes are put down in order to obtain samples for contamination testing, to provide information on the strata below the site and to determine geotechnical parameters to inform the design of foundations and retaining walls for the proposed development. Consideration should also be given to extending some or all of these boreholes by rotary follow-on into the sandstone strata. In addition to the boreholes, it is recommended that a series of additional shallower exploratory holes are put down within or adjacent to the walls of the historical buildings within the site to provide general site coverage and to identify whether there are any substructure remains or other significant obstructions within the Made Ground. Machine-excavated trial pits would be best suited for these shallower holes.

The investigation should include exploratory holes and appropriate sampling at locations where potential contamination is suspected as well as general site coverage.

Where appropriate, samples should be obtained for chemical analysis including a general suite of heavy metals, sulphur, sulphate, pH, PAH, phenols and asbestos. A photo-ionisation detector (PID) meter should be used to detect any volatiles and where significant readings are obtained, or where any visual or olfactory evidence of hydrocarbons is noted, samples should also be tested for a general suite of petroleum hydrocarbons (TPH).

Where materials are considered likely to be removed from site, contamination testing should be carried out specifically to enable classification of the materials for waste disposal purposes. Additionally, once the locations and depths of new water supply pipes have been finalised, appropriate chemical sampling and testing should be carried out to enable

a risk assessment to be made on the selection of pipe material in accordance with the local water supply company's guidance.

The investigation should include the installation of gas and groundwater monitoring wells with an appropriate period of monitoring. Based on CIRIA C665, a minimum of six monitoring visits over a period of three months would be required assuming that the gas generation potential of the source is low (Alluvium from Shooters Brook) and the sensitivity of the development is moderate (flats). However, the monitoring programme may need to be extended depending upon the findings of the investigation.

It should be noted that further intrusive investigation may be necessary, depending on the results of the initial Phase 2 intrusive investigation.

Signed for and on behalf of Geotechnics Limited.

Written by: .....
Colin Dodd, BSc (Hons), MSc, CEng, MICE
Principal Engineer

Reviewed by: .....
John Knowles, BSc (Hons), MSc, CGeol, FGS
Principal Engineer

# APPENDIX I

## Site Location Plan

# SITE LOCATION PLAN




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Desk Study on a Site
for
STORE STREET RESIDENTIAL DEVELOPMENT
for
Westwood Estates Development Limited

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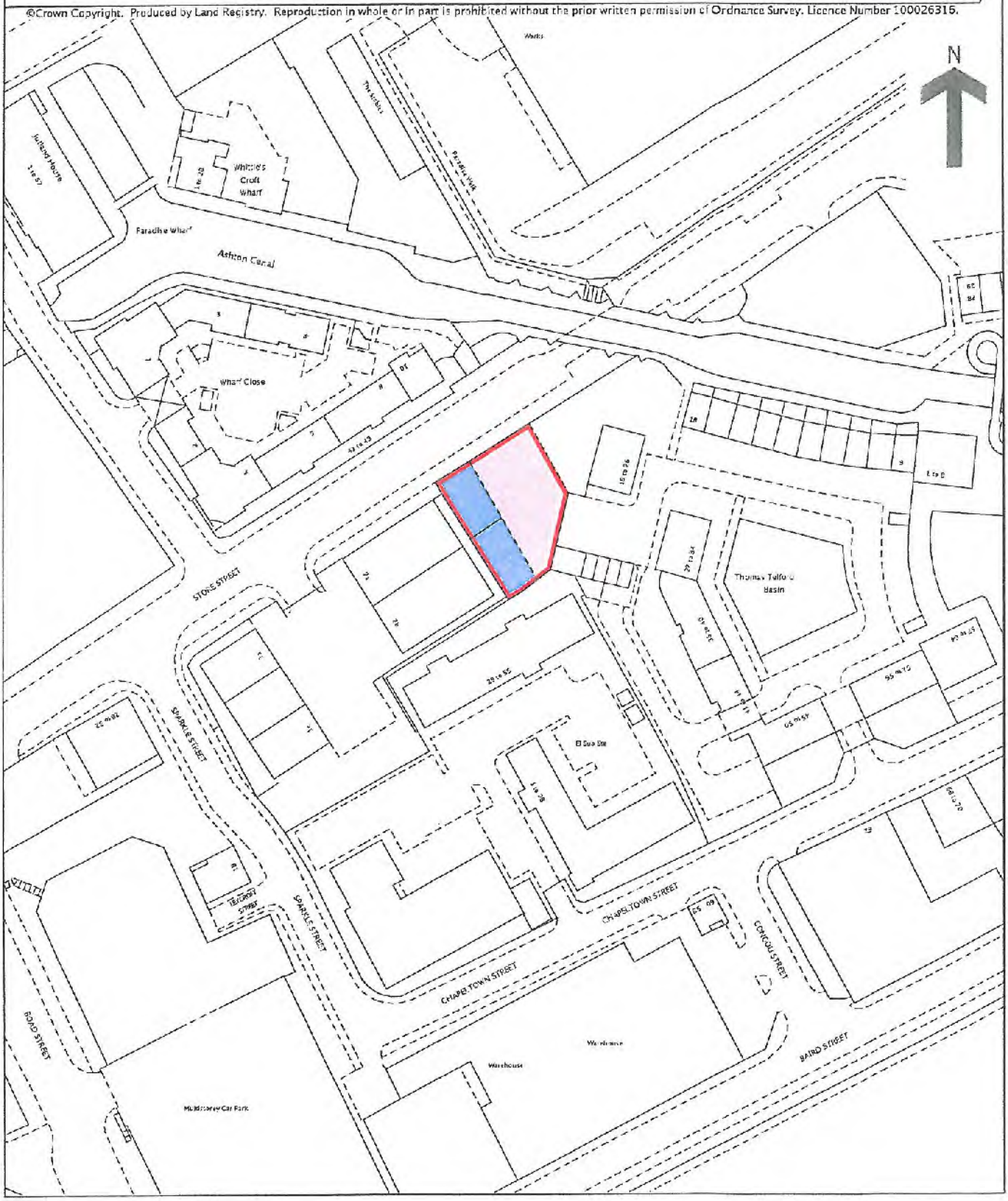
# APPENDIX 2

## Site Boundary Plan

# Land Registry Official copy of title plan

Title number **MAN76518**
Ordnance Survey map reference **SJ8498SE**
Scale **1:1250**
Administrative area **Greater Manchester : Manchester**

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This official copy is incomplete without the preceding notes page.

# APPENDIX 3

## Site Photographs

# PHOTOGRAPHS

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 1

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 2

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 3

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 4

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 5

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 6

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 7

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 8

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 9

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 10

Project Number : PN143226

Project : STORE STREET RESIDENTIAL DEVELOPMENT



Photograph 11

# APPENDIX 4

## Landmark Envirocheck Report

# Envirocheck® Report:

# Datasheet

## Order Details:

**Order Number:**
59513547_1_1

**Customer Reference:**
PN143226

**National Grid Reference:**
384990, 398080

**Slice:**
A

**Site Area (Ha):**
0.07

**Search Buffer (m):**
1000

## Site Details:

Site at 384980, 398080

## Client Details:

Mr J Booth
Geotechnics Ltd
The Geotechnical Centre
Unit 1 Borders Industrial Park
River Lane
Saltney
CH4 8RJ

geotechnics

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| Geological | 41 |
| Industrial Land Use | 52 |
| Sensitive Land Use | 92 |
| Data Currency | 93 |
| Data Suppliers | 99 |
| Useful Contacts | 100 |


**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 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 the attached 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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# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Agency & Hydrological** | | | | | |
| Contaminated Land Register Entries and Notices | | | | | |
| Discharge Consents | pg 1 | | 3 | 6 | 50 |
| 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 15 | | 4 | 1 | 10 |
| Local Authority Pollution Prevention and Control Enforcements | pg 17 | | 1 | | 1 |
| Nearest Surface Water Feature | pg 18 | | Yes | | |
| Pollution Incidents to Controlled Waters | pg 18 | | 1 | 8 | 21 |
| Prosecutions Relating to Authorised Processes | | | | | |
| Prosecutions Relating to Controlled Waters | | | | | |
| Registered Radioactive Substances | pg 23 | | | | 9 |
| River Quality | pg 24 | | 3 | 1 | 1 |
| River Quality Biology Sampling Points | | | | | |
| River Quality Chemistry Sampling Points | pg 25 | | | | 1 |
| Substantiated Pollution Incident Register | | | | | |
| Water Abstractions | pg 26 | | | | 5 (*36) |
| Water Industry Act Referrals | | | | | |
| Groundwater Vulnerability | pg 36 | Yes | n/a | n/a | n/a |
| Bedrock Aquifer Designations | pg 36 | Yes | n/a | n/a | n/a |
| Superficial Aquifer Designations | pg 36 | 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 |
| Detailed River Network Lines | pg 36 | | Yes | Yes | n/a |
| Detailed River Network Offline Drainage | | | | | n/a |

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# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Waste** | | | | | |
| BGS Recorded Landfill Sites | | | | | |
| Historical Landfill Sites | pg 38 | | | | 1 |
| Integrated Pollution Control Registered Waste Sites | | | | | |
| Licensed Waste Management Facilities (Landfill Boundaries) | | | | | |
| Licensed Waste Management Facilities (Locations) | pg 38 | | | | 3 |
| Local Authority Recorded Landfill Sites | | | | | |
| Registered Landfill Sites | pg 39 | | | | 1 |
| Registered Waste Transfer Sites | pg 39 | | | | 1 |
| Registered Waste Treatment or Disposal Sites | pg 40 | | | | 2 |
| **Hazardous Substances** | | | | | |
| Control of Major Accident Hazards Sites (COMAH) | | | | | |
| Explosive Sites | | | | | |
| Notification of Installations Handling Hazardous Substances (NIHHS) | | | | | |
| Planning Hazardous Substance Consents | | | | | |
| Planning Hazardous Substance Enforcements | | | | | |
| **Geological** | | | | | |
| BGS 1:625,000 Solid Geology | pg 41 | Yes | n/a | n/a | n/a |
| BGS Estimated Soil Chemistry | pg 41 | Yes | Yes | Yes | Yes |
| BGS Recorded Mineral Sites | | | | | |
| BGS Urban Soil Chemistry | pg 46 | | Yes | Yes | Yes |
| BGS Urban Soil Chemistry Averages | pg 49 | Yes | | | |
| Brine Compensation Area | | | n/a | n/a | n/a |
| Coal Mining Affected Areas | pg 50 | Yes | n/a | n/a | n/a |
| Mining Instability | pg 50 | Yes | n/a | n/a | n/a |
| Man-Made Mining Cavities | pg 50 | | | | 1 |
| Natural Cavities | | | | | |
| Non Coal Mining Areas of Great Britain | | | | n/a | n/a |
| Potential for Collapsible Ground Stability Hazards | pg 50 | Yes | Yes | n/a | n/a |
| Potential for Compressible Ground Stability Hazards | pg 50 | | Yes | n/a | n/a |
| Potential for Ground Dissolution Stability Hazards | | | | n/a | n/a |
| Potential for Landslide Ground Stability Hazards | pg 50 | Yes | Yes | n/a | n/a |
| Potential for Running Sand Ground Stability Hazards | pg 50 | Yes | Yes | n/a | n/a |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 50 | Yes | 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 |

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# Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---|---|---|---|---|---|
| **Industrial Land Use** | | | | | |
| Contemporary Trade Directory Entries | pg 52 | | 37 | 105 | 317 |
| Fuel Station Entries | pg 91 | | | | 5 |
| **Sensitive Land Use** | | | | | |
| Areas of Adopted Green Belt | | | | | |
| Areas of Unadopted Green Belt | | | | | |
| Areas of Outstanding Natural Beauty | | | | | |
| Environmentally Sensitive Areas | | | | | |
| Forest Parks | | | | | |
| Local Nature Reserves | | | | | |
| Marine Nature Reserves | | | | | |
| National Nature Reserves | | | | | |
| National Parks | | | | | |
| Nitrate Sensitive Areas | | | | | |
| Nitrate Vulnerable Zones | pg 92 | | | | 1 |
| Ramsar Sites | | | | | |
| Sites of Special Scientific Interest | | | | | |
| Special Areas of Conservation | | | | | |
| Special Protection Areas | | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 1 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Store Street, Ancoats, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016982994<br>Permit Version: 1<br>Effective Date: 23rd June 1995<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 10m | A13NE (N) | 5 | 3 | 384990 398100 |
| 2 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Store Street, Ancoats, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0371<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Unknown<br>Receiving Water: Not Supplied<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A13SW (SW) | 131 | 3 | 384860 398010 |
| 3 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Pumping Station - Water Company<br>Location: Great Ancoats Street, Sso, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01man0023<br>Permit Version: 1<br>Effective Date: 15th September 1993<br>Issued Date: Not Supplied<br>Revocation Date: 15th September 1993<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Shooters Brook<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A13NE (NE) | 209 | 3 | 385170 398200 |
| 4 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Pumping Station - Water Company<br>Location: Great Ancoats Street, Sso, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01man0024<br>Permit Version: 1<br>Effective Date: 15th September 1993<br>Issued Date: Not Supplied<br>Revocation Date: 15th September 1993<br>Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Shooters Brook<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A13NE (NE) | 287 | 3 | 385180 398310 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 5 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Aytoun St/Auburn St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0370<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Unknown<br>Receiving Water: Not Supplied<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A12SE (W) | 398 | 3 | 384580 398000 |
| 6 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Aytoun St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0318<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 1st January 1995<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Shooters Brook<br>**Status: Consent revoked or revised: New Consent issued (Section 37(1))**<br>Positional Accuracy: Located by supplier to within 100m | A12SE (SW) | 439 | 3 | 384580 397880 |
| 6 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Aytoun St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016982630<br>Permit Version: 1<br>Effective Date: 30th September 1994<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Shooters Brook<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A12SE (SW) | 441 | 3 | 384580 397875 |
| 6 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Minshull St/Whitworth St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0355<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Unknown<br>Receiving Water: Not Supplied<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A12SE (SW) | 444 | 3 | 384580 397870 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 7 | **Discharge Consents**<br>Operator: Edwin Butterworth & Co<br>Property Type: Sewage Disposal Works - Other<br>Location: Soho Works Site Swo, Pollard Street, Ancoats, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016991041<br>Permit Version: 1<br>Effective Date: 30th September 1985<br>Issued Date: Not Supplied<br>Revocation Date: 1st July 1991<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Canal<br>Receiving Water: Manchester & Ashton Canal<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A14NW (NE) | 458 | 3 | 385400 398300 |
| 8 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Baring St(Late Stove St), Tipping Street, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0308<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 1st December 1994<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A8NW (S) | 509 | 3 | 384930 397550 |
| 8 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Baring St(Late Stove St), Tipping Street, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016982729<br>Permit Version: 1<br>Effective Date: 28th November 1994<br>Issued Date: Not Supplied<br>Revocation Date: 29th November 1999<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Manually corrected supplier location | A8NW (S) | 509 | 3 | 384930 397550 |
| 8 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Mancunian Way Sliproad Cso, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016982729<br>Permit Version: 2<br>Effective Date: 30th November 1999<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 100m | A8NW (S) | 548 | 3 | 384940 397510 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 9 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Chorlton Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01man0162<br>Permit Version: 2<br>Effective Date: 3rd September 2010<br>Issued Date: 3rd September 2010<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: Dukes Tunnel<br>**Status: Varied under EPR 2010**<br>Positional Accuracy: Located by supplier to within 10m | A12SE (SW) | 529 | 3 | 384510 397820 |
| 9 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Chorlton Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0162<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 Environment: Into And/Or Watercourse<br>Receiving Water: Dukes Tunnel<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A12SE (SW) | 529 | 3 | 384510 397820 |
| 10 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Fairfield St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Upper Mersey<br>Reference: 016982713<br>Permit Version: 1<br>Effective Date: 30th September 1994<br>Issued Date: Not Supplied<br>Revocation Date: 23rd December 1996<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Manually corrected supplier location | A9NW (SE) | 557 | 3 | 385390 397670 |
| 10 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Raven Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01man0198<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 31st March 1998<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A9NW (SE) | 564 | 3 | 385400 397670 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 10 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Fairfield St/Crane St, Ardwick, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016982727<br>Permit Version: 1<br>Effective Date: 28th November 1994<br>Issued Date: Not Supplied<br>Revocation Date: 31st March 1998<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6)**<br>Positional Accuracy: Located by supplier to within 10m | A9NW (SE) | 592 | 3 | 385410 397640 |
| 10 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Fairfield St/Crane St, Ardwick, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0300<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 10m | A9NW (SE) | 592 | 3 | 385410 397640 |
| 10 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Fairfield St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0309<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 1st January 1995<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Consent revoked or revised: New Consent issued (Section 37(1))**<br>Positional Accuracy: Located by supplier to within 100m | A9NW (SE) | 613 | 3 | 385430 397630 |
| 10 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Mancunian Way, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01man0192<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 18th July 1995<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A9NW (SE) | 613 | 3 | 385420 397620 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 10 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Fairfield St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016982730<br>Permit Version: 1<br>Effective Date: 30th September 1994<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A9NW (SE) | 617 | 3 | 385430 397625 |
| 11 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Great Ancoats St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0257<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 13th June 1999<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A14SW (SE) | 694 | 3 | 385620 397760 |
| 11 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Blackett Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01man0194<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 18th July 1995<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A14SW (SE) | 694 | 3 | 385610 397740 |
| 11 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Great Ancoats St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016982711<br>Permit Version: 1<br>Effective Date: 30th September 1994<br>Issued Date: Not Supplied<br>Revocation Date: 13th June 1999<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Manually corrected supplier location | A14SW (SE) | 694 | 3 | 385620 397760 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 11 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Pin Mill Brow, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01man0193<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 17th August 1999<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A14SW (SE) | 703 | 3 | 385620 397740 |
| 12 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Mount St/Rutland St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0287<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A7NE (SW) | 738 | 3 | 384580 397440 |
| 13 | **Discharge Consents**<br>Operator: West Contracting Limited<br>Property Type: Trade (Unknown/Other)<br>Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: Npswqd004449<br>Permit Version: 3<br>Effective Date: 1st April 2013<br>Issued Date: 28th October 2011<br>Revocation Date: Not Supplied<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge Environment: Underground Water<br>Receiving Water: Groundwater<br>**Status: Varied under EPR 2010**<br>Positional Accuracy: Located by supplier to within 10m | A12SW (SW) | 744 | 3 | 384306 397746 |
| 13 | **Discharge Consents**<br>Operator: West Contracting Limited<br>Property Type: Trade (Unknown/Other)<br>Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: Npswqd004449<br>Permit Version: 2<br>Effective Date: 16th April 2009<br>Issued Date: 16th April 2009<br>Revocation Date: 31st March 2013<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge Environment: Underground Water<br>Receiving Water: Groundwater<br>**Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 10m | A12SW (SW) | 744 | 3 | 384306 397746 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 13 | **Discharge Consents**<br>Operator: West Contracting Limited<br>Property Type: Trade (Unknown/Other)<br>Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: Npswqd004449<br>Permit Version: 1<br>Effective Date: 1st April 2009<br>Issued Date: 5th March 2009<br>Revocation Date: 15th April 2009<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge Environment: Underground Water<br>Receiving Water: Groundwater<br>**Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 10m | A12SW (SW) | 744 | 3 | 384306 397746 |
| 13 | **Discharge Consents**<br>Operator: West Contracting Limited<br>Property Type: Trade (Unknown/Other)<br>Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: Npswqd004449<br>Permit Version: 3<br>Effective Date: 1st April 2013<br>Issued Date: 28th October 2011<br>Revocation Date: Not Supplied<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge Environment: Underground Water<br>Receiving Water: Groundwater<br>**Status: Varied under EPR 2010**<br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW) | 763 | 3 | 384291 397734 |
| 13 | **Discharge Consents**<br>Operator: West Contracting Limited<br>Property Type: Trade (Unknown/Other)<br>Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: Npswqd004449<br>Permit Version: 2<br>Effective Date: 16th April 2009<br>Issued Date: 16th April 2009<br>Revocation Date: 31st March 2013<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge Environment: Underground Water<br>Receiving Water: Groundwater<br>**Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW) | 763 | 3 | 384291 397734 |
| 13 | **Discharge Consents**<br>Operator: West Contracting Limited<br>Property Type: Trade (Unknown/Other)<br>Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: Npswqd004449<br>Permit Version: 1<br>Effective Date: 1st April 2009<br>Issued Date: 5th March 2009<br>Revocation Date: 15th April 2009<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge Environment: Underground Water<br>Receiving Water: Groundwater<br>**Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW) | 763 | 3 | 384291 397734 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 14 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Mount St/Greek St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01man0187<br>Permit Version: 2<br>Effective Date: 3rd September 2010<br>Issued Date: 3rd September 2010<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Varied under EPR 2010**<br>Positional Accuracy: Located by supplier to within 10m | A7SE (SW) | 807 | 3 | 384530 397390 |
| 14 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Mount St/Greek St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0187<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 Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A7SE (SW) | 807 | 3 | 384530 397390 |
| 15 | **Discharge Consents**<br>Operator: Factory Communications Ltd<br>Property Type: Domestic Property (Multiple)<br>Location: 112-116 Princess Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016991403<br>Permit Version: 1<br>Effective Date: 24th April 1989<br>Issued Date: Not Supplied<br>Revocation Date: 31st March 1992<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A7NE (SW) | 808 | 3 | 384400 397500 |
| 15 | **Discharge Consents**<br>Operator: Factory Communications Ltd<br>Property Type: Domestic Property (Multiple)<br>Location: 112-116 Princess Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016991403<br>Permit Version: 2<br>Effective Date: 1st April 1992<br>Issued Date: Not Supplied<br>Revocation Date: 10th February 1993<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A7NE (SW) | 808 | 3 | 384400 397500 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 16 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Brook St/Mount St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016982723<br>Permit Version: 1<br>Effective Date: 28th November 1994<br>Issued Date: Not Supplied<br>Revocation Date: 14th July 2000<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Manually corrected supplier location | A7NE (SW) | 824 | 3 | 384450 397430 |
| 17 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Princess St/Granby Row Cs, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Upper Mersey<br>Reference: 016982956<br>Permit Version: 1<br>Effective Date: 23rd June 1995<br>Issued Date: Not Supplied<br>Revocation Date: 31st March 1998<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6)**<br>Positional Accuracy: Located by supplier to within 100m | A7NE (SW) | 847 | 3 | 384330 397520 |
| 17 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Princess St/Whitworth St Cso, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016982950<br>Permit Version: 1<br>Effective Date: 23rd June 1995<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 10m | A7NE (SW) | 847 | 3 | 384330 397520 |
| 17 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Charles St/Princess St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01man0166<br>Permit Version: 2<br>Effective Date: 3rd September 2010<br>Issued Date: 3rd September 2010<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Varied under EPR 2010**<br>Positional Accuracy: Located by supplier to within 10m | A7NE (SW) | 853 | 3 | 384330 397510 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 17 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Charles St/Princess St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0166<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 Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A7NE (SW) | 853 | 3 | 384330 397510 |
| 17 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Whitworth St/Sackville St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0253<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 10m | A7NE (SW) | 853 | 3 | 384330 397510 |
| 17 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Charles Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01man0183<br>Permit Version: 2<br>Effective Date: 3rd September 2010<br>Issued Date: 3rd September 2010<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Varied under EPR 2010**<br>Positional Accuracy: Located by supplier to within 10m | A7NE (SW) | 868 | 3 | 384320 397500 |
| 17 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Charles Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0183<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 Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A7NE (SW) | 868 | 3 | 384320 397500 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 17 | **Discharge Consents**<br>Operator: Factory Communications Ltd<br>Property Type: Domestic Property (Multiple)<br>Location: 112-116 Princess Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016991403<br>Permit Version: 1<br>Effective Date: 24th April 1989<br>Issued Date: Not Supplied<br>Revocation Date: 31st March 1992<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A7NW (SW) | 883 | 3 | 384300 397500 |
| 17 | **Discharge Consents**<br>Operator: Factory Communications Ltd<br>Property Type: Domestic Property (Multiple)<br>Location: 112-116 Princess Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016991403<br>Permit Version: 2<br>Effective Date: 1st April 1992<br>Issued Date: Not Supplied<br>Revocation Date: 10th February 1993<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A7NW (SW) | 883 | 3 | 384300 397500 |
| 17 | **Discharge Consents**<br>Operator: Factory Communications Ltd<br>Property Type: Domestic Property (Multiple)<br>Location: 112-116 Princess Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 016991403<br>Permit Version: 3<br>Effective Date: 11th February 1993<br>Issued Date: Not Supplied<br>Revocation Date: 1st November 1994<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A7NW (SW) | 883 | 3 | 384300 397500 |
| 18 | **Discharge Consents**<br>Operator: British Broadcasting Corporation<br>Property Type: Other Transport<br>Location: Bbc Vehicle Maintenance Base Swo, Pritchard Street, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016991346<br>Permit Version: 1<br>Effective Date: 22nd September 1994<br>Issued Date: Not Supplied<br>Revocation Date: 22nd September 1994<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 100m | A7SE (SW) | 880 | 3 | 384400 397400 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 19 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Palmerston Street Cso, (Off Great Ancoats Street), Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016983280<br>Permit Version: 1<br>Effective Date: 31st August 1999<br>Issued Date: 15th January 1999<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: The River Medlock<br>**Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 10m | A14SE (E) | 895 | 3 | 385890 397990 |
| 20 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Palmerston Street Cso, (Off Great Ancoat St), Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016983279<br>Permit Version: 1<br>Effective Date: 31st August 1999<br>Issued Date: 15th January 1999<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: The River Medlock<br>**Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)**<br>Positional Accuracy: Located by supplier to within 10m | A14NE (E) | 912 | 3 | 385910 398120 |
| 21 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: York St/Charles St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0281<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A7NW (SW) | 979 | 3 | 384180 397500 |
| 21 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Mallard St Off Charles St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 016982736<br>Permit Version: 1<br>Effective Date: 30th September 1994<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 10m | A7NW (SW) | 987 | 3 | 384170 397500 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 21 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewage Disposal Works - Water Company<br>Location: Medlock St(Off Charles St), Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0343<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 1st January 1995<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Unknown<br>Receiving Water: Not Supplied<br>**Status: Consent revoked or revised: New Consent issued (Section 37(1))**<br>Positional Accuracy: Located by supplier to within 100m | A7NW (SW) | 987 | 3 | 384170 397500 |
| 22 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Butler St/Holland St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0037<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 Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A19NW (NE) | 994 | 3 | 385580 398895 |
| 22 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Butler St/Holland St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01man0037<br>Permit Version: 2<br>Effective Date: 3rd September 2010<br>Issued Date: 3rd September 2010<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Varied under EPR 2010**<br>Positional Accuracy: Located by supplier to within 10m | A19NW (NE) | 998 | 3 | 385580 398900 |
| 22 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Rollesto Avenue/Butler St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Supplied<br>Reference: 01man0032<br>Permit Version: 2<br>Effective Date: 3rd September 2010<br>Issued Date: 3rd September 2010<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Varied under EPR 2010**<br>Positional Accuracy: Located by supplier to within 10m | A19NW (NE) | 998 | 3 | 385580 398900 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 22 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Ridgeway St/Butler St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0129<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: 18th October 1999<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 10m | A19NW (NE) | 998 | 3 | 385580 398900 |
| 22 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Rollesto Avenue/Butler St, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0032<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 Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 10m | A19NW (NE) | 998 | 3 | 385580 398900 |
| 23 | **Discharge Consents**<br>Operator: United Utilities Water Plc<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Russell St/ East Of Ragla, Manchester, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Catchment Area: Not Given<br>Reference: 01MAN0262<br>Permit Version: 1<br>Effective Date: 1st January 1995<br>Issued Date: Not Supplied<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge Environment: Freshwater Stream/River<br>Receiving Water: River Medlock<br>**Status: Post National Rivers Authority Legislation where issue date > 31/08/1989**<br>Positional Accuracy: Located by supplier to within 100m | A14NE (E) | 994 | 3 | 385980 398240 |
| 24 | **Local Authority Pollution Prevention and Controls**<br>Name: Central Taxi Spares Ltd<br>Location: 31-35 Chapeltown Street, Ancoats, MANCHESTER, M1 2NN<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/02/91<br>Dated: 9th August 1991<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 10m | A13SE (S) | 75 | 4 | 384987 397981 |
| 25 | **Local Authority Pollution Prevention and Controls**<br>Name: Presbar Diecastings Ltd<br>Location: Store Street/Ducie Street, Piccadilly Village, Ancoats, M1 2WD<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/B/38/05/AW<br>Dated: 21st November 1991<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap<br>**Status: Permitted**<br>Positional Accuracy: Manually positioned to the address or location | A13NE (N) | 98 | 4 | 385024 398187 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 26 | **Local Authority Pollution Prevention and Controls**<br>Name: Presbar Diecastings Ltd<br>Location: Store Street, MANCHESTER, Lancashire, M1 2WD<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: 34/92<br>Dated: 21st November 1991<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap<br>**Status: Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A13NE (NE) | 137 | 4 | 385099 398178 |
| 26 | **Local Authority Pollution Prevention and Controls**<br>Name: Presbar Diecastings Ltd<br>Location: Store Street, MANCHESTER, Lancashire, M1 2WD<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: 34/92<br>Dated: 13th January 1993<br>Process Type: Local Authority Air Pollution Control<br>Description: PG2/6 Aluminium and aluminium alloy processes<br>**Status: Authorised**<br>Positional Accuracy: Located by supplier to within 10m | A13NE (NE) | 149 | 4 | 385100 398195 |
| 27 | **Local Authority Pollution Prevention and Controls**<br>Name: Tj Stafford (Plant Hire) Ltd<br>Location: Hoyle Street, Ardwick, Manchester, M12 6hg<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPCM89/96<br>Dated: 5th July 1996<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG3/16 Mobile screening and crushing processes<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 10m | A8NE (SE) | 478 | 4 | 385206 397632 |
| 28 | **Local Authority Pollution Prevention and Controls**<br>Name: Advent Manchester<br>Location: 309 Great Ancoats Street, MANCHESTER, Lancashire, M4 7DF<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/105/01<br>Dated: 9th February 2001<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/34 Respraying of road vehicles<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Manually positioned to the address or location | A14SW (E) | 564 | 4 | 385559 398012 |
| 29 | **Local Authority Pollution Prevention and Controls**<br>Name: Presbar Diecastings Ltd<br>Location: Rear 62-64 Jersey Street, Sharston Industrial Area, MANCHESTER, Lancashire, M22 4TE<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: EH&CP/P/PSR 29(92-96)<br>Dated: 14th October 1992<br>Process Type: Local Authority Air Pollution Control<br>Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Manually positioned to the address or location | A18SE (N) | 626 | 4 | 385134 398704 |
| 30 | **Local Authority Pollution Prevention and Controls**<br>Name: Ardwick Spares<br>Location: 2 Hoyle Street, Ardwick, MANCHESTER, Lancashire, M12 6HG<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/30/92<br>Dated: 1st April 1994<br>Process Type: Local Authority Air Pollution Control<br>Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Manually positioned to the address or location | A8NE (SE) | 652 | 4 | 385319 397495 |
| 31 | **Local Authority Pollution Prevention and Controls**<br>Name: Express Printers Manchester Ltd<br>Location: Henry Street, Ancoats, MANCHESTER, Lancashire, M60 4HB<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/56/93<br>Dated: 1st March 1995<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/21 Hide and skin processes<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 10m | A18SW (N) | 684 | 4 | 384729 398727 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 32 | **Local Authority Pollution Prevention and Controls**<br>Name: Bill Howarth Metals<br>Location: 109 Jersey Street, MANCHESTER, Lancashire, M4 6JG<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/B/37/05/AW<br>Dated: 20th July 1992<br>Process Type: Local Authority Air Pollution Control<br>Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Manually positioned to the address or location | A18NE (N) | 697 | 4 | 385157 398771 |
| 33 | **Local Authority Pollution Prevention and Controls**<br>Name: Manco Manchester Coppersmiths<br>Location: Phoenix Mill, 20 Piercy Street, MANCHESTER, Lancashire, M4 7HY<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: 66/94<br>Dated: 15th February 1994<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/29 Di-isocyanate processes<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Located by supplier to within 10m | A14NE (NE) | 744 | 4 | 385683 398373 |
| 34 | **Local Authority Pollution Prevention and Controls**<br>Name: Johnsons Cleaners Uk Ltd<br>Location: 24 High Street, Manchester<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/DC/RM/13/07<br>Dated: 1st February 2007<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG6/46 Dry cleaning<br>**Status: Permitted**<br>Positional Accuracy: Located by supplier to within 10m | A17SW (NW) | 819 | 4 | 384254 398481 |
| 35 | **Local Authority Pollution Prevention and Controls**<br>Name: Sanderson Ford<br>Location: Ashton Old Road, Ardwick, MANCHESTER, Lancashire, M12 6JD<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/101/00<br>Dated: 1st March 2000<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/34 Respraying of road vehicles<br>**Status: Authorisation revokedRevoked**<br>Positional Accuracy: Manually positioned to the address or location | A9NE (SE) | 959 | 4 | 385820 397574 |
| 36 | **Local Authority Pollution Prevention and Controls**<br>Name: Ardwick Service Station<br>Location: Chancellor Lane, Ardwick, MANCHESTER, Lancashire, M12 6JZ<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/PFS/RM/003/06<br>Dated: 3rd December 1998<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br>**Status: Authorised**<br>Positional Accuracy: Manually positioned to the address or location | A9NE (SE) | 979 | 4 | 385755 397445 |
| 37 | **Local Authority Pollution Prevention and Controls**<br>Name: Tesco Express Ardwick<br>Location: Ardwick Green, Ardwick, MANCHESTER, Lancashire, M13 9XF<br>Authority: Manchester City Council, Environmental Health Department<br>Permit Reference: PPC/PFS/RM/002/06<br>Dated: 3rd December 1998<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br>**Status: Authorised**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 995 | 4 | 385255 397098 |
| 38 | **Local Authority Pollution Prevention and Control Enforcements**<br>Location: Store Street, MANCHESTER, Lancashire, M1 2WD<br>Type: Air Pollution Control Enforcement Notice<br>Reference: 34/92<br>Date Issued: 19th November 1998<br>Enforcement Date: Not Supplied<br>Details: Failure To Update Furnace Emission Records<br>Positional Accuracy: Automatically positioned to the address | A13SW (W) | 164 | 4 | 384808 398052 |
| 39 | **Local Authority Pollution Prevention and Control Enforcements**<br>Location: 109 Jersey Street, MANCHESTER, Lancashire, M4 6JG<br>Type: Air Pollution Control Enforcement Notice<br>Reference: PPC/B/37/05/AW<br>Date Issued: 25th July 1998<br>Enforcement Date: Not Supplied<br>Details: Failure To Minimise Furnace Emissions And Continuously Moitor Particulates<br>Positional Accuracy: Located by supplier to within 10m | A18NE (N) | 699 | 4 | 385193 398763 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Nearest Surface Water Feature** | A13NE (N) | 22 | - | 384994 398117 |
| 40 | **Pollution Incidents to Controlled Waters**<br>Property Type: Pollution Found Source Not Determined<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Chemicals - Paints / Dyes<br>Note: Ashton Canal; Flouroscein<br>Incident Date: 31st October 1996<br>Incident Reference: 96632291<br>Catchment Area: Ashton Canal<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A13NW (NW) | 207 | 3 | 384800 398200 |
| 41 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Chemicals - Paints / Dyes<br>Note: Ashton Canal; Tracing Dye<br>Incident Date: 29th September 1995<br>Incident Reference: 95632439<br>Catchment Area: Ashton Canal<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 | A13NE (E) | 302 | 3 | 385300 398100 |
| 42 | **Pollution Incidents to Controlled Waters**<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: Tributary River Mersey<br>Incident Date: 1st March 1991<br>Incident Reference: 91510290<br>Catchment Area: Mersey - Non-Tidal<br>Receiving Water: Not Given<br>Cause of Incident: Unknown<br>Incident Severity: Category 1 - Major Incident<br>Positional Accuracy: Located by supplier to within 100m | A13SW (SW) | 325 | 3 | 384700 397900 |
| 43 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Affected<br>Incident Date: 16th December 1996<br>Incident Reference: 96632549<br>Catchment Area: Rochdale Canal<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 | A18SE (N) | 402 | 3 | 385001 398496 |
| 43 | **Pollution Incidents to Controlled Waters**<br>Property Type: Pollution Found Source Not Determined<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Foam<br>Note: Ashton Canal; Foam<br>Incident Date: 9th April 1996<br>Incident Reference: 96630678<br>Catchment Area: Ashton Canal<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 | A18SE (N) | 407 | 3 | 385001 398501 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 44 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: Diesel Reported<br>Incident Date: 6th June 1996<br>Incident Reference: 96631224<br>Catchment Area: Medlock<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 | A8NE (SE) | 415 | 3 | 385200 397700 |
| 45 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Pollution Found<br>Incident Date: 24th April 1996<br>Incident Reference: 96630895<br>Catchment Area: Ashton Canal<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 | A14NW (NE) | 458 | 3 | 385400 398300 |
| 46 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Other Oil<br>Note: River Medlock; Diesel<br>Incident Date: 26th June 1996<br>Incident Reference: 96631409<br>Catchment Area: Medlock<br>Receiving Water: Not Given<br>Cause of Incident: Miscellaneous/Other Pollution Type<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A8NW (S) | 464 | 3 | 384900 397600 |
| 47 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: Oil To Drains<br>Incident Date: 10th July 1996<br>Incident Reference: 96631536<br>Catchment Area: Medlock<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A12SE (W) | 477 | 3 | 384500 398000 |
| 48 | **Pollution Incidents to Controlled Waters**<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: 16th December 1996<br>Incident Reference: 96612549<br>Catchment Area: Rochdale Canal<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 | A18SE (N) | 507 | 3 | 385001 398601 |
| 49 | **Pollution Incidents to Controlled Waters**<br>Property Type: Construction<br>Location: Redhill Street, MANCHESTER, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Contaminated Material : Soils & Sub-soils<br>Note: Not Supplied<br>Incident Date: 13th January 1999<br>Incident Reference: 751<br>Catchment Area: Rochdale Canal<br>Receiving Water: Canal<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Manually positioned to the road within the address or location | A18SE (N) | 517 | 3 | 385100 398600 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 50 | **Pollution Incidents to Controlled Waters**<br>Property Type: Water Company Sewage: Storm Overflow<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Waste Oil<br>Note: Oil Entering Medlock From Outfall Up Stream Temperance Stream<br>Incident Date: 10th July 1998<br>Incident Reference: SO981348<br>Catchment Area: Medlock<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Blocked Sewer<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Unknown | A9NW (SE) | 543 | 3 | 385400 397700 |
| 51 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: River Medlock<br>Incident Date: 2nd July 1995<br>Incident Reference: 95631978<br>Catchment Area: Medlock<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 | A8NE (S) | 555 | 3 | 385001 397501 |
| 51 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Inert Suspended Solids<br>Note: River Medlock; Silt<br>Incident Date: 17th January 1996<br>Incident Reference: 96630110<br>Catchment Area: Medlock<br>Receiving Water: Not Given<br>Cause of Incident: In River Works<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A8NE (S) | 560 | 3 | 385001 397496 |
| 52 | **Pollution Incidents to Controlled Waters**<br>Property Type: Transport, Storage, Communications: Road<br>Location: North Western Street, ARDWICK, Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: General Biodegradable : Tree Cuttings<br>Note: Not Supplied<br>Incident Date: 19th May 1999<br>Incident Reference: 29115<br>Catchment Area: Irwell<br>Receiving Water: River Stretch (Freshwater)<br>Cause of Incident: Unauthorised Activity : Unauthorised Burning Of Waste<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 10m | A8NE (S) | 567 | 3 | 385100 397500 |
| 53 | **Pollution Incidents to Controlled Waters**<br>Property Type: Pollution Found Source Not Determined<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Colour<br>Note: Not Supplied<br>Incident Date: 2nd February 1995<br>Incident Reference: 95630210<br>Catchment Area: Medlock<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 | A8NW (S) | 586 | 3 | 384800 397500 |
| 54 | **Pollution Incidents to Controlled Waters**<br>Property Type: Pollution Found Source Not Determined<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Unknown<br>Note: Not Supplied<br>Incident Date: 12th May 1993<br>Incident Reference: 93630987<br>Catchment Area: Ashton Canal<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 | A14NW (NE) | 595 | 3 | 385500 398400 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 55 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Princess Street , MANCHESTER<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Foam<br>Note: Detergent Pollution; Medlock; Detergent<br>Incident Date: 18th April 1997<br>Incident Reference: 97630663<br>Catchment Area: Medlock<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Overfilling During Delivery<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A8NE (S) | 600 | 3 | 385200 397495 |
| 56 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Pollution Found<br>Incident Date: 8th November 1996<br>Incident Reference: 96632326<br>Catchment Area: Rochdale Canal<br>Receiving Water: Not Given<br>Cause of Incident: Other Incident/Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Unknown | A12SE (SW) | 636 | 3 | 384400 397800 |
| 57 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Affected; None From Fire<br>Incident Date: 20th September 1996<br>Incident Reference: 96632073<br>Catchment Area: Medlock<br>Receiving Water: Not Given<br>Cause of Incident: Fire<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A19SW (NE) | 652 | 3 | 385500 398500 |
| 58 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Affected<br>Incident Date: 8th November 1996<br>Incident Reference: 96632315<br>Catchment Area: Medlock<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 | A7NE (SW) | 666 | 3 | 384500 397600 |
| 59 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Pollution Found<br>Incident Date: 24th May 1996<br>Incident Reference: 96631132<br>Catchment Area: Ashton Canal<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 | A14NW (NE) | 681 | 3 | 385600 398400 |
| 60 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Location Description Not Available<br>Authority: Environment Agency, North West Region<br>Pollutant: Miscellaneous - Foam<br>Note: River Medlock; Detergent<br>Incident Date: 30th March 1995<br>Incident Reference: 95630655<br>Catchment Area: Medlock<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 | A7NE (SW) | 808 | 3 | 384400 397500 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 61 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Ancoats, MANCHESTER<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Petrol<br>Note: Car On Fire At Mozart Close<br>Incident Date: 29th November 1998<br>Incident Reference: SO982082<br>Catchment Area: Rochdale Canal<br>Receiving Water: Canal<br>Cause of Incident: Fire<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Unknown | A19NW (NE) | 816 | 3 | 385400 398800 |
| 62 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: River Medlock; None Pollution Found<br>Incident Date: 6th October 1995<br>Incident Reference: 95632478<br>Catchment Area: Medlock<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 | A7SE (SW) | 816 | 3 | 384500 397400 |
| 63 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Pollution Found<br>Incident Date: 11th January 1996<br>Incident Reference: 96630052<br>Catchment Area: Medlock<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 | A7NW (SW) | 883 | 3 | 384300 397500 |
| 64 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Oils - Unknown<br>Note: Ashton Canal; Green Based Oil Residue<br>Incident Date: 7th April 1996<br>Incident Reference: 96630706<br>Catchment Area: Ashton Canal<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 | A19SE (NE) | 933 | 3 | 385700 398700 |
| 65 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: None Affected; Diesel Spill<br>Incident Date: 22nd August 1996<br>Incident Reference: 96631887<br>Catchment Area: Irwell<br>Receiving Water: Not Given<br>Cause of Incident: Accidental Spillage/Leakage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Unknown | A7NW (SW) | 963 | 3 | 384200 397500 |
| 65 | **Pollution Incidents to Controlled Waters**<br>Property Type: Private Sewage (Non-PLC): Sewerage Systems<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Crude Sewage<br>Note: River Medlock; Crude Sewage<br>Incident Date: 25th March 1996<br>Incident Reference: 96630555<br>Catchment Area: Medlock<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 | A7NW (SW) | 966 | 3 | 384200 397495 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 66 | **Pollution Incidents to Controlled Waters**<br>Property Type: Not Given<br>Location: Greater Manchester<br>Authority: Environment Agency, North West Region<br>Pollutant: Unknown<br>Note: Not Supplied<br>Incident Date: 3rd August 1996<br>Incident Reference: 96641712<br>Catchment Area: Medlock<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 | A9SW (SE) | 973 | 3 | 385600 397300 |
| 67 | **Registered Radioactive Substances**<br>Name: University Of Manchester<br>Location: North Campus, Sackville Street, Manchester, M60 1qd<br>Authority: Environment Agency, North West Region<br>Permit Reference: Bx8661<br>Dated: 1st October 2004<br>Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)<br>Description: Registration under the Act of an open source which is also the subject of an authorisation<br>**Status: Application has been authorised and any conditions apply to the operatorAuthorised**<br>Positional Accuracy: Manually positioned to the road within the address or location | A12SE (SW) | 640 | 3 | 384399 397792 |
| 68 | **Registered Radioactive Substances**<br>Name: University Of Manchester<br>Location: North Campus, Sackville Street, Manchester, M60 1qd<br>Authority: Environment Agency, North West Region<br>Permit Reference: Bx8645<br>Dated: 2nd September 2004<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br>**Status: Application has been authorised and any conditions apply to the operatorAuthorised**<br>Positional Accuracy: Manually positioned to the road within the address or location | A7NE (SW) | 645 | 3 | 384479 397657 |
| 69 | **Registered Radioactive Substances**<br>Name: Umist<br>Location: Po Box 88, Sackville Street, MANCHESTER, M60 1QD<br>Authority: Environment Agency, North West Region<br>Permit Reference: Bk5380<br>Dated: 6th March 2001<br>Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)<br>Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation<br>**Status: Authorisation either revoked or cancelledCancelled**<br>Positional Accuracy: Manually positioned to the address or location | A7NE (SW) | 707 | 3 | 384612 397456 |
| 70 | **Registered Radioactive Substances**<br>Name: Umist<br>Location: PO Box 88, MANCHESTER, Lancashire, M60 1QD<br>Authority: Environment Agency, North West Region<br>Permit Reference: Bq2154<br>Dated: 9th April 2002<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Substantial variation to authorisation under RSA<br>**Status: Authorisation either revoked or cancelledCancelled**<br>Positional Accuracy: Located by supplier to within 100m | A7NE (SW) | 738 | 3 | 384500 397500 |
| 70 | **Registered Radioactive Substances**<br>Name: Umist<br>Location: PO Box 88, MANCHESTER, Lancashire, M60 1QD<br>Authority: Environment Agency, North West Region<br>Permit Reference: AC8878<br>Dated: 31st March 1991<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Authorisation under RSA<br>**Status: Authorisation either revoked or cancelledCancelled**<br>Positional Accuracy: Located by supplier to within 100m | A7NE (SW) | 738 | 3 | 384500 397500 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 70 | **Registered Radioactive Substances**<br>Name: Umist<br>Location: Po Box 88, Sackville Street, MANCHESTER, M60 1QD<br>Authority: Environment Agency, North West Region<br>Permit Reference: AX0526<br>Dated: 30th January 1997<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br>**Status: Authorisation superseded by a substantial or non substantial variationSuperseded**<br>Positional Accuracy: Manually positioned to the address or location | A7NE (SW) | 744 | 3 | 384478 397512 |
| 70 | **Registered Radioactive Substances**<br>Name: Umist<br>Location: Po Box 88, Sackville Street, MANCHESTER, M60 1QD<br>Authority: Environment Agency, North West Region<br>Permit Reference: AP0143<br>Dated: 16th January 1995<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br>**Status: Authorisation superseded by a substantial or non substantial variationSuperseded**<br>Positional Accuracy: Manually positioned to the address or location | A7NE (SW) | 744 | 3 | 384478 397512 |
| 70 | **Registered Radioactive Substances**<br>Name: Umist<br>Location: Po Box 88, Sackville Street, MANCHESTER, M60 1QD<br>Authority: Environment Agency, North West Region<br>Permit Reference: AZ8692<br>Dated: 13th November 1997<br>Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)<br>Description: Minor variation to authorisation under RSA<br>**Status: Authorisation superseded by a substantial or non substantial variationSuperseded**<br>Positional Accuracy: Manually positioned to the address or location | A7NE (SW) | 745 | 3 | 384477 397512 |
| 71 | **Registered Radioactive Substances**<br>Name: Umist<br>Location: PO Box 88, MANCHESTER, Lancashire, M60 1QD<br>Authority: Environment Agency, North West Region<br>Permit Reference: AC8886<br>Dated: 31st March 1991<br>Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)<br>Description: Registration under the Act of an open source which is also the subject of an authorisation<br>**Status: Authorisation superseded by a substantial or non substantial variationSuperseded**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 891 | 3 | 385022 398985 |
| | **River Quality**<br>Name: Ashton Canal<br>GQA Grade: River Quality C<br>Reach: Robertsons To Rochdale Canal<br>Estimated Distance (km): 6.4<br>Flow Rate: Flow greater than 80 cumecs<br>Flow Type: Canal<br>Year: 2000 | A13SW (S) | 1 | 3 | 384980 398057 |
| | **River Quality**<br>Name: Rochdale Canal<br>GQA Grade: River Quality B<br>Reach: Ashton Canal To Knott Mill<br>Estimated Distance (km): 1.8<br>Flow Rate: Flow greater than 80 cumecs<br>Flow Type: Canal<br>Year: 2000 | A13NW (NW) | 179 | 3 | 384855 398219 |
| | **River Quality**<br>Name: Rochdale Canal<br>GQA Grade: River Quality B<br>Reach: Empress Processing To Ashton Canal<br>Estimated Distance (km): .3<br>Flow Rate: Flow greater than 80 cumecs<br>Flow Type: Canal<br>Year: 2000 | A13NW (NW) | 180 | 3 | 384859 398224 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **River Quality**<br>Name: Rochdale Canal<br>GQA Grade: River Quality B<br>Reach: Qsl At Summit To Empress Processing<br>Estimated Distance (km): 27.6<br>Flow Rate: Flow greater than 80 cumecs<br>Flow Type: Canal<br>Year: 2000 | A18SW (N) | 371 | 3 | 384915 398458 |
| | **River Quality**<br>Name: Medlock<br>GQA Grade: River Quality E<br>Reach: Lords Bk To Irwell<br>Estimated Distance (km): 9.5<br>Flow Rate: Flow less than 0.31 cumecs<br>Flow Type: River<br>Year: 2000 | A8NE (S) | 649 | 3 | 385162 397432 |
| 72 | **River Quality Chemistry Sampling Points**<br>Name: Medlock<br>Reach: Lords Brook To Irwell<br>Estimated Distance: 9.50<br>Objective: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m<br>Year: 1990<br>GQA Grade: River Quality Chemistry GQA Grade E - Poor<br>Compliance: Not Supplied<br>Year: 1993<br>GQA Grade: River Quality Chemistry GQA Grade E - Poor<br>Compliance: Not Supplied<br>Year: 1994<br>GQA Grade: River Quality Chemistry GQA Grade D - Fair<br>Compliance: Not Supplied<br>Year: 1995<br>GQA Grade: River Quality Chemistry GQA Grade D - Fair<br>Compliance: Not Supplied<br>Year: 1996<br>GQA Grade: River Quality Chemistry GQA Grade D - Fair<br>Compliance: Not Supplied<br>Year: 1997<br>GQA Grade: River Quality Chemistry GQA Grade D - Fair<br>Compliance: Not Supplied<br>Year: 1998<br>GQA Grade: River Quality Chemistry GQA Grade D - Fair<br>Compliance: Not Supplied<br>Year: 1999<br>GQA Grade: River Quality Chemistry GQA Grade D - Fair<br>Compliance: Not Supplied<br>Year: 2000<br>GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good<br>Compliance: Not Supplied<br>Year: 2001<br>GQA Grade: River Quality Chemistry GQA Grade D - Fair<br>Compliance: Not Supplied<br>Year: 2002<br>GQA Grade: River Quality Chemistry GQA Grade D - Fair<br>Compliance: Not Supplied<br>Year: 2003<br>GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good<br>Compliance: Not Supplied<br>Year: 2004<br>GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good<br>Compliance: Not Supplied<br>Year: 2005<br>GQA Grade: River Quality Chemistry GQA Grade B - Good<br>Compliance: Not Supplied<br>Year: 2006<br>GQA Grade: River Quality Chemistry GQA Grade B - Good<br>Compliance: Not Supplied<br>Year: 2007<br>GQA Grade: River Quality Chemistry GQA Grade B - Good<br>Compliance: Not Supplied<br>Year: 2008<br>GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good<br>Compliance: Not Supplied<br>Year: 2009<br>GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good<br>Compliance: Not Supplied | A14SE (SE) | 784 | 3 | 385714 397750 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 73 | **Water Abstractions**<br>Operator: Moseley Rubber Co Ltd<br>Licence Number: 2569006001<br>Permit Version: 100<br>Location: Borehole At Premises, Broadie St, Ardwick, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Rubber: 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): 331858<br>Details: Premises At Broadie St., Ardwick<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 8th February 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A8NE (SE) | 575 | 3 | 385240 397540 |
| 74 | **Water Abstractions**<br>Operator: West Contracting<br>Licence Number: Nw0690006001<br>Permit Version: 1<br>Location: Boreholes At Origin Developments, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling<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: Not Supplied<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 19th January 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A7NE (SW) | 687 | 3 | 384378 397733 |
| 74 | **Water Abstractions**<br>Operator: West Contracting<br>Licence Number: Nw/069/0006/001<br>Permit Version: 1<br>Location: Boreholes At Origin Developments, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling<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: Not Supplied<br>Authorised Start: 01 May<br>Authorised End: 30 September<br>Permit Start Date: 19th January 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A7NE (SW) | 687 | 3 | 384378 397733 |
| 75 | **Water Abstractions**<br>Operator: British Telecommunications Plc<br>Licence Number: 2569007069<br>Permit Version: 100<br>Location: Borehole At George St, 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): 860<br>Yearly Rate (m3): 1100<br>Details: Premises At Rutherford Hse, York St<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 | A12SW (W) | 873 | 3 | 384100 398000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 76 | **Water Abstractions**<br>Operator: North Western Electricity Board<br>Licence Number: 2569006023<br>Permit Version: Not Supplied<br>Location: Rochdale Canal, Dickinson Street, MANCHESTER<br>Authority: Environment Agency, North West Region<br>Abstraction: Cooling<br>Abstraction Type: Not Supplied<br>Source: Canal<br>Daily Rate (m3): 82<br>Yearly Rate (m3): 25230<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 | A7NW (SW) | 950 | 3 | 384100 397700 |
| | **Water Abstractions**<br>Operator: British Waterways<br>Licence Number: 2569006990<br>Permit Version: 100<br>Location: Ashton Canal, Manchester [Distillers, Ancoats]<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): 0<br>Yearly Rate (m3): 750090<br>Details: (Lancashire Tar Distillers<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st April 1969<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A19NE (NE) | 1148 | 3 | 385900 398795 |
| | **Water Abstractions**<br>Operator: British Waterways Board<br>Licence Number: 2569006030<br>Permit Version: Not Supplied<br>Location: Manchester, MANCHESTER<br>Authority: Environment Agency, North West Region<br>Abstraction: Not Supplied<br>Abstraction Type: Not Supplied<br>Source: Canal<br>Daily Rate (m3): 0<br>Yearly Rate (m3): 0<br>Details: Ashton Canal<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 | A19NE (NE) | 1151 | 3 | 385900 398800 |
| | **Water Abstractions**<br>Operator: Manchester Metropolitan University<br>Licence Number: Nw/069/0006/003<br>Permit Version: 2<br>Location: Borehole 1 At Lower Chatham Street<br>Authority: Environment Agency, North West Region<br>Abstraction: Schools and Colleges: General Use (Medium 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: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 4th April 2014<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A7SW (SW) | 1257 | 3 | 384180 397091 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Manchester Metropolitan University<br>Licence Number: Nw/069/0006/003<br>Permit Version: 2<br>Location: Borehole 1 At Lower Chatham Street<br>Authority: Environment Agency, North West Region<br>Abstraction: Schools and Colleges: Heat Pump<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: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 4th April 2014<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A7SW (SW) | 1257 | 3 | 384180 397091 |
| | **Water Abstractions**<br>Operator: Manchester Metropolitan University<br>Licence Number: Nw/069/0006/003<br>Permit Version: 1<br>Location: Borehole 1 At Lower Chatham Street<br>Authority: Environment Agency, North West Region<br>Abstraction: Schools and Colleges: General Use (Medium 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: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2011<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A7SW (SW) | 1257 | 3 | 384180 397091 |
| | **Water Abstractions**<br>Operator: Manchester Metropolitan University<br>Licence Number: Nw/069/0006/003<br>Permit Version: 1<br>Location: Borehole 1 At Lower Chatham Street<br>Authority: Environment Agency, North West Region<br>Abstraction: Schools and Colleges: Heat Pump<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: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2011<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A7SW (SW) | 1257 | 3 | 384180 397091 |
| | **Water Abstractions**<br>Operator: Dunlop Rubber Co Limited<br>Licence Number: 2569007027<br>Permit Version: Not Supplied<br>Location: Borehole, Cambridge Street, MANCHESTER<br>Authority: Environment Agency, North West Region<br>Abstraction: Cooling<br>Abstraction Type: Not Supplied<br>Source: Groundwater<br>Daily Rate (m3): 1811<br>Yearly Rate (m3): 154564<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 | A7SW (SW) | 1306 | 3 | 384000 397200 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: British Telecommunications Plc<br>Licence Number: 2569007070<br>Permit Version: 101<br>Location: Borehole At Dial House Chapel Street Salford<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (High 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: Premises At Dial House, Salford<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 | A16SE (NW) | 1412 | 3 | 383700 398700 |
| | **Water Abstractions**<br>Operator: British Telecom<br>Licence Number: 2569007070<br>Permit Version: 100<br>Location: Borehole At Dial House, Chapel St, Salford<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (High Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 30<br>Yearly Rate (m3): 45<br>Details: Premises At Dial House, Salford<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th January 1971<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A16SE (NW) | 1412 | 3 | 383700 398700 |
| | **Water Abstractions**<br>Operator: G T Energy Uk Limited<br>Licence Number: Nw/069/0004/005<br>Permit Version: 2<br>Location: Area Of Abstraction - Lower Carboniferous Limestone<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Heat Pump<br>Abstraction Type: Water may be abstracted from any point within an area<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Devonshire Street, Manchester<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 11th June 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A4NE (SE) | 1478 | 3 | 385729 396778 |
| | **Water Abstractions**<br>Operator: Gt Energy Limited<br>Licence Number: Nw/069/0004/005<br>Permit Version: 1<br>Location: Area Of Abstraction - Lower Carboniferous Limestone<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Heat Pump<br>Abstraction Type: Water may be abstracted from any point within an area<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 17th January 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A4NE (SE) | 1478 | 3 | 385729 396778 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole Number 2 At Premises Strangeways Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Process Water<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1597 | 3 | 383820 399190 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole (No 2) At Premises, Strangeways, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden)<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1597 | 3 | 383820 399190 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole Number 2 At Premises Strangeways Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden)<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1597 | 3 | 383820 399190 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole Number 2 At Premises Strangeways Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden)<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1597 | 3 | 383820 399190 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 101<br>Location: Borehole (No 2) At Premises, Strangeways, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 682<br>Yearly Rate (m3): 194755<br>Details: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th May 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1597 | 3 | 383820 399190 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 101<br>Location: Borehole (No 2) At Premises, Strangeways, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Process Water<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th May 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1597 | 3 | 383820 399190 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole Number 3 At Premises Strangeways Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden)<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1611 | 3 | 383830 399220 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole Number 3 At Premises Strangeways Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Process Water<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1611 | 3 | 383830 399220 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole Number 3 At Premises Strangeways Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden)<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1611 | 3 | 383830 399220 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole (No 3) At Premises, Strangeways, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Process Water<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: Borehole At Strangeways Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1611 | 3 | 383830 399220 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 101<br>Location: Borehole (No 3) At Premises, Strangeways, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden)<br>Abstraction Type: Not Supplied<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th May 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1611 | 3 | 383830 399220 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 101<br>Location: Borehole (No 3) At Premises, Strangeways, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Process Water<br>Abstraction Type: Not Supplied<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th May 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1611 | 3 | 383830 399220 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole Number 1 At Premises Strangeways Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden)<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1618 | 3 | 383850 399250 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole (No 1) At Premises, Strangeways, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Process Water<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1618 | 3 | 383850 399250 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole (No 1) At Premises, Strangeways, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden)<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: Borehole At Strangeways, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1618 | 3 | 383850 399250 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 102<br>Location: Borehole Number 1 At Premises Strangeways Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Process Water<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1618 | 3 | 383850 399250 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 101<br>Location: Borehole (No 1) At Premises, Strangeways, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden)<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th May 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1618 | 3 | 383850 399250 |
| | **Water Abstractions**<br>Operator: Interbrew Uk Ltd<br>Licence Number: 2569004023<br>Permit Version: 101<br>Location: Borehole (No 1) At Premises, Strangeways, Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Process Water<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: Strangeways Brewery, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th May 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A21SE (NW) | 1618 | 3 | 383850 399250 |
| | **Water Abstractions**<br>Operator: Her Majesty'S Court Service<br>Licence Number: 2569007089<br>Permit Version: 2<br>Location: 2 Boreholes At Gartside Street Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling<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 At Gartside Street Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 10th July 2008<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A11NW (W) | 1650 | 3 | 383335 398310 |
| | **Water Abstractions**<br>Operator: Bovis Lend Lease Ltd<br>Licence Number: 2569007089<br>Permit Version: 1<br>Location: 2 Boreholes At Gartside Street Manchester<br>Authority: Environment Agency, North West Region<br>Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling<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 At Gartside Street Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 28th January 2005<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A11NW (W) | 1650 | 3 | 383335 398310 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Manchester Metropolitan University<br>Licence Number: Nw/069/0004/003<br>Permit Version: 1<br>Location: Borehole At Manchester Metropolitan University<br>Authority: Environment Agency, North West Region<br>Abstraction: Schools and Colleges: Heat Pump<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: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 20th September 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A1NE (SW) | 1825 | 3 | 383715 396746 |
| | **Water Abstractions**<br>Operator: Manchester Metropolitan University<br>Licence Number: Nw/069/0004/003<br>Permit Version: 1<br>Location: Borehole At Manchester Metropolitan University<br>Authority: Environment Agency, North West Region<br>Abstraction: Schools and Colleges: General Use (Medium 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: Not Supplied<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 20th September 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A1NE (SW) | 1825 | 3 | 383715 396746 |
| | **Water Abstractions**<br>Operator: Joseph Holt Ltd<br>Licence Number: 2569004011<br>Permit Version: 100<br>Location: Borehole At Derby Brewery, Cheetham, Manchester 3<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: 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): 182<br>Yearly Rate (m3): 45460<br>Details: Derby Brewery, Cheetham, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 17th February 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A22NW (NW) | 1836 | 3 | 384100 399700 |
| | **Water Abstractions**<br>Operator: Joseph Holt Ltd<br>Licence Number: 2569004011<br>Permit Version: 100<br>Location: Borehole At Derby Brewery, Cheetham, Manchester 3<br>Authority: Environment Agency, North West Region<br>Abstraction: Breweries/Wine: Process Water<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: Derby Brewery, Cheetham, Manchester<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 17th February 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A22NW (NW) | 1836 | 3 | 384100 399700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **Water Abstractions**<br>Operator: Threlfalls (Salford) Ltd.<br>Licence Number: 2569006009<br>Permit Version: Not Supplied<br>Location: Four Boreholes, Cook Street, SALFORD<br>Authority: Environment Agency, North West Region<br>Abstraction: Cooling & Manufacturing<br>Abstraction Type: Not Supplied<br>Source: Groundwater<br>Daily Rate (m3): 977<br>Yearly Rate (m3): 227300<br>Details: Additional Purpose: Cooling; 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 | (W) | 1910 | 3 | 383200<br>398800 |
| | **Groundwater Vulnerability**<br>Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise<br>Map Sheet: Sheet 17 Derbyshire & North Staffordshire<br>Scale: 1:100,000 | A13NE (N) | 0 | 3 | 384986<br>398076 |
| | **Drift Deposits**<br>Drift Deposit: Low permeability drift deposits occuring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium<br>Map Sheet: Sheet 17 Derbyshire & North Staffordshire<br>Scale: 1:100,000 | A13NE (N) | 0 | 3 | 384986<br>398076 |
| | **Bedrock Aquifer Designations**<br>Aquifer Designation: Principal Aquifer | A13NE (N) | 0 | 2 | 384986<br>398076 |
| | **Superficial Aquifer Designations**<br>Aquifer Designation: Unproductive Strata | A13NE (N) | 0 | 2 | 384986<br>398076 |
| | **Extreme Flooding from Rivers or Sea without Defences**<br>None | | | | |
| | **Flooding from Rivers or Sea without Defences**<br>None | | | | |
| | **Areas Benefiting from Flood Defences**<br>None | | | | |
| | **Flood Water Storage Areas**<br>None | | | | |
| | **Flood Defences**<br>None | | | | |
| 77 | **Detailed River Network Lines**<br>River Type: Canal<br>River Name: Ashton Canal<br>Hydrographic Area: D011<br>River Flow Type: Primary Flow Path<br>River Surface Level: Above Surface<br>Drain Feature: Not a Drain<br>Flood Risk Management Status: Other Rivers<br>Water Course Name: Not Supplied<br>Water Course Reference: Not Supplied | A13NE (N) | 25 | 3 | 384993<br>398119 |
| 78 | **Detailed River Network Lines**<br>River Type: Canal<br>River Name: Rochdale Canal<br>Hydrographic Area: D011<br>River Flow Type: Primary Flow Path<br>River Surface Level: Above Surface<br>Drain Feature: Not a Drain<br>Flood Risk Management Status: Other Rivers<br>Water Course Name: Not Supplied<br>Water Course Reference: Not Supplied | A13NW (NW) | 191 | 3 | 384815<br>398193 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 79 | **Detailed River Network Lines**<br>River Type: Canal<br>River Name: Albion Mill Lock<br>Hydrographic Area: D011<br>River Flow Type: Primary Flow Path<br>River Surface Level: Surface<br>Drain Feature: Not a Drain<br>Flood Risk Management Status: Other Rivers<br>Water Course Name: Not Supplied<br>Water Course Reference: Not Supplied | A13NW (NW) | 195 | 3 | 384798 398175 |
| 80 | **Detailed River Network Lines**<br>River Type: Primary River<br>River Name: Medlock<br>Hydrographic Area: D011<br>River Flow Type: Primary Flow Path<br>River Surface Level: Surface<br>Drain Feature: Not a Drain<br>Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River<br>Water Course Name: MEDLOCK<br>Water Course Reference: MEDL | A8NE (S) | 453 | 3 | 385003 397603 |
| | **Detailed River Network Offline Drainage**<br>None | | | | |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 81 | **Historical Landfill Sites**<br>Licence Holder: Peter Birse Limited<br>Location: Great Ancoats Street, River Medlock, Ardwick, Manchester, Greater Manchester<br>Name: Palmerston Street Landfill<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD16530<br>First Input Date: 1st September 1986<br>Last Input Date: 31st December 1987<br>Specified Waste Type: Deposited Waste included Inert and Industrial Waste<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 4200/9162<br>BGS Ref: Not Supplied<br>Other Ref: RD/LIC/440/86, F046 | A14SE (E) | 704 | 3 | 385665 397846 |
| 82 | **Licensed Waste Management Facilities (Locations)**<br>Licence Number: 53582<br>Location: 2 Hoyle Street, Ardwick, Manchester, M12 6HG<br>Operator Name: Donnelly Mr. A.<br>Operator Location: Not Supplied<br>Authority: Environment Agency - North West Region, South Area<br>Site Category: Metal Recycling Sites (Mixed)<br>**Licence Status: Suspended**<br>Issued: 11th October 1996<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: 29th January 2002<br>Surrendered: Not Supplied<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m | A8NE (S) | 596 | 3 | 385200 397500 |
| 83 | **Licensed Waste Management Facilities (Locations)**<br>Licence Number: 53583<br>Location: Temperance Street, Ardwick, Manchester, M12 6HS<br>Operator Name: Pye Metals Ltd<br>Operator Location: Not Supplied<br>Authority: Environment Agency - North West Region, South Area<br>Site Category: Metal Recycling Sites (Mixed)<br>**Licence Status: Issued**<br>Issued: 11th October 1996<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: Not Supplied<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A8NE (SE) | 630 | 3 | 385300 397510 |
| 84 | **Licensed Waste Management Facilities (Locations)**<br>Licence Number: 50328<br>Location: 35 - 39 Oldham Road, Manchester, M4 5FG<br>Operator Name: Brendan J Kershaw & Winston Brown<br>Operator Location: Not Supplied<br>Authority: Environment Agency - North West Region, South Area<br>Site Category: End of Life Vehicles<br>**Licence Status: Surrendered**<br>Issued: 10th August 2004<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: 6th July 2010<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A18NW (N) | 779 | 3 | 384771 398842 |
| | **Local Authority Landfill Coverage**<br>Name: Manchester City Council<br>- Had landfill data but passed it to the relevant environment agency | | 0 | 9 | 384986 398076 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 85 | **Registered Landfill Sites**<br>Licence Holder: Peter Birse Ltd<br>Licence Reference: 00440/86<br>Site Location: Palmerston Street./Great Ancoats Street, Ardwick, Manchester, Greater Manchester<br>Licence Easting: 385700<br>Licence Northing: 397800<br>Operator Location: Clarence House, Mellor Road, Cheadle Hulme, STOCKPORT, Cheshire, SK8 5AT<br>Authority: Environment Agency - North West Region, South Area<br>Site Category: Landfill<br>Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)<br>Waste Source Restrictions: Waste produced/controlled by licence holder<br>Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 1st August 1986<br>Preceded By Licence: Not Given<br>Superseded By Licence: Not Given<br>Positional Accuracy: Manually positioned to the address or location<br>Boundary Accuracy: Not Applicable<br>Authorised Waste: Ceramic Materials<br>Construction Ind. Wastes<br>Glass<br>Metals O<br>Similar Non Leachate Forming Materials<br>Soil,Clay,Sand,<br>Stone,Brick,Concrete,Slate<br>Prohibited Waste: Animal Flesh<br>Chemical Waste Of Any Nature<br>Fibreglass<br>Foodstuffs<br>Liquid Wastes<br>Paper/Cardboard Waste<br>Plasterboard<br>Plastics<br>Sawdust<br>Sludge Wastes<br>Textiles<br>Vegetable Matter<br>Waste Forming Polluting Leachate<br>Wood | A14SE (E) | 752 | 3 | 385700 397800 |
| 86 | **Registered Waste Transfer Sites**<br>Licence Holder: W A Goddard (Sales) Ltd<br>Licence Reference: 00853/92<br>Site Location: Mill Green Street, Ardwick, MANCHESTER, Greater Manchester, M12 6FA<br>Operator Location: As Site Address<br>Authority: Environment Agency - North West Region, South Area<br>Site Category: Transfer<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source Restrictions: No known restriction on source of waste<br>Licence Status: Site exempt from licenceExempt<br>Dated: 1st February 1993<br>Preceded By Licence: Not Given<br>Superseded By Licence: Not Given<br>Positional Accuracy: Manually positioned to the address or location<br>Boundary Quality: Not Supplied<br>Authorised Waste: Max.Storage In Licence<br>Photographic Processing Waste<br>Prohibited Waste: Asbestos<br>Explosive Waste<br>Gmwda Group 1 - Non/V.Slow Decomp.Wast<br>Gmwda Group 2 - Slow Decomp./Slight So<br>Gmwda Group 3 - Decomp./Soluble<br>Waste In Pressurised Cont'Rs<br>Waste N.O.S. - Pretreated Or Not<br>Waste Violently Reactive With Water | A9NW (SE) | 764 | 3 | 385576 397566 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 87 | **Registered Waste Treatment or Disposal Sites**<br>Licence Holder: A Donnelly t/a Ardwick Autospares<br>Licence Reference: 01073<br>Site Location: 2 Hoyle Street, Ardwick, MANCHESTER, Greater Manchester, M12 6HG<br>Operator Location: Whitehouse Farm, Torkington Road, Hazel Grove, Stockport, Cheshire<br>Authority: Environment Agency - North West Region, South Area<br>Site Category: Scrapyard<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source Restrictions: No known restriction on source of waste<br>Licence Status: Operational as far as is knownOperational<br>Dated: 1st October 1996<br>Preceded By Licence: Not Given<br>Superseded By Licence: Not Given<br>Positional Accuracy: Manually positioned to the road within the address or location<br>Boundary Quality: Not Supplied<br>Authorised Waste: Max.Storage In Licence; Other Non-Ferrous Metal Scrap; Scrap Vehicles<br>Prohibited Waste: Asbestos (Other Than Normal Part Veh.); Bulk Powders; Clinical Wastes; Explosive Waste; Pcbs; Pressurised Wastes Or Containers; Spec.Waste (Epa'90:S62/1996 Regs)N.O.S; Violently Reactive Wastes; Waste In Drums; Waste N.O.S. | A8NE (SE) | 554 | 3 | 385270 397580 |
| 88 | **Registered Waste Treatment or Disposal Sites**<br>Licence Holder: Pye Metals Ltd<br>Licence Reference: 00937<br>Site Location: Temperance Street, Ardwick, MANCHESTER, Greater Manchester, M12 6HS<br>Operator Location: Britannia Suite, International House, MANCHESTER, Greater Manchester, M3 2ER<br>Authority: Environment Agency - North West Region, South Area<br>Site Category: Scrapyard<br>Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year)<br>Waste Source Restrictions: No known restriction on source of waste<br>Licence Status: Operational as far as is knownOperational<br>Dated: 1st October 1996<br>Preceded By Licence: Not Given<br>Superseded By Licence: Not Given<br>Positional Accuracy: Manually positioned to the road within the address or location<br>Boundary Quality: Not Supplied<br>Authorised Waste: Ferrous Metal Scrap; Max.Storage Ferrous Mat'L; Max.Storage Non-Ferrous Mat'L; Max.Waste Permitted By Licence; Non-Ferrous Metal Scrap<br>Prohibited Waste: Asbestos (Other Than Parts Of Vehicle); Bulk Powders; Clinical Wastes; Explosive Waste; Pcbs; Pesrrurised Waste Or Containers; Spec.Waste (Epa'90:S62/1996 Regs)N.O.S; Violently Reactive Wastes; Waste In Drums; Waste N.O.S. | A9NW (SE) | 661 | 3 | 385400 397540 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS 1:625,000 Solid Geology**<br>Description: Permian and Triassic sandstones, undifferentiated,including Bunter and Keuper | A13NE (N) | 0 | 2 | 384986 398076 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A13NE (N) | 0 | 5 | 384986 398076 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A13NE (E) | 1 | 5 | 385000 398076 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A13SE (S) | 56 | 5 | 384986 398000 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A13SE (S) | 58 | 5 | 385000 398000 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A13SW (SW) | 123 | 5 | 384887 397982 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A13SW (SW) | 128 | 5 | 384870 398000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A13SE (S) | 194 | 5 | 385000 397862 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: <15 mg/kg | A13SW (SW) | 243 | 5 | 384771 397942 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: <15 mg/kg | A13SW (W) | 275 | 5 | 384707 398000 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: <15 mg/kg | A8NW (S) | 390 | 5 | 384932 397670 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A14NW (NE) | 413 | 5 | 385349 398299 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A14SW (E) | 571 | 5 | 385564 398000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A14NW (NE) | 597 | 5 | 385523 398366 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A7NE (SW) | 660 | 5 | 384558 397554 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A9NW (SE) | 685 | 5 | 385437 397539 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A14SE (E) | 754 | 5 | 385749 398000 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: 1.8 - 2.2 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 300 - 600 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A19SW (NE) | 760 | 5 | 385645 398481 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A18NE (N) | 765 | 5 | 385000 398860 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A8SW (S) | 775 | 5 | 384716 397329 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: 1.8 - 2.2 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 300 - 600 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A19SW (NE) | 783 | 5 | 385581 398608 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: 1.8 - 2.2 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 300 - 600 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A19SW (NE) | 800 | 5 | 385566 398649 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A7NW (SW) | 838 | 5 | 384292 397586 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A8SE (S) | 857 | 5 | 385000 397199 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: 1.8 - 2.2 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 300 - 600 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A19SW (NE) | 864 | 5 | 385621 398685 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: 1.8 - 2.2 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 300 - 600 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A19NW (NE) | 865 | 5 | 385528 398772 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A12SW (W) | 903 | 5 | 384070 398000 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A18NE (N) | 905 | 5 | 385000 399000 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A18NE (N) | 905 | 5 | 384986 399000 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A18NW (N) | 906 | 5 | 384948 399000 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A18NE (N) | 928 | 5 | 385196 399000 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 150 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A14SE (E) | 937 | 5 | 385933 398000 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 25 - 35 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg | A18NE (N) | 963 | 5 | 385158 399043 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A12SW (W) | 970 | 5 | 384000 398070 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A12NW (W) | 970 | 5 | 384000 398076 |
| | **BGS Estimated Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: <150 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A12SW (W) | 973 | 5 | 384000 398000 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 384750, 398170<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 16.00 mg/kg<br>Cadmium Measured Concentration: 0.50 mg/kg<br>Chromium Measured Concentration: 83.00 mg/kg<br>Lead Measured Concentration: 178.00 mg/kg<br>Nickel Measured Concentration: 23.00 mg/kg | A13NW (W) | 237 | 2 | 384750 398170 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 385290, 398180<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 33.00 mg/kg<br>Cadmium Measured Concentration: 0.90 mg/kg<br>Chromium Measured Concentration: 93.00 mg/kg<br>Lead Measured Concentration: 438.00 mg/kg<br>Nickel Measured Concentration: 37.00 mg/kg | A13NE (E) | 308 | 2 | 385290 398180 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 384770, 397740<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 28.00 mg/kg<br>Cadmium Measured Concentration: 1.00 mg/kg<br>Chromium Measured Concentration: 94.00 mg/kg<br>Lead Measured Concentration: 189.00 mg/kg<br>Nickel Measured Concentration: 22.00 mg/kg | A13SW (SW) | 383 | 2 | 384770 397740 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 384430, 397810<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 35.00 mg/kg<br>Cadmium Measured Concentration: 1.90 mg/kg<br>Chromium Measured Concentration: 78.00 mg/kg<br>Lead Measured Concentration: 339.00 mg/kg<br>Nickel Measured Concentration: 32.00 mg/kg | A12SE (SW) | 604 | 2 | 384430 397810 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 384380, 398240<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 3.00 mg/kg<br>Cadmium Measured Concentration: 0.30 mg/kg<br>Chromium Measured Concentration: 29.00 mg/kg<br>Lead Measured Concentration: 21.00 mg/kg<br>Nickel Measured Concentration: 6.00 mg/kg | A12NE (W) | 610 | 2 | 384380 398240 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 385450, 397590<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 14.00 mg/kg<br>Cadmium Measured Concentration: 0.30 mg/kg<br>Chromium Measured Concentration: 46.00 mg/kg<br>Lead Measured Concentration: 260.00 mg/kg<br>Nickel Measured Concentration: 13.00 mg/kg | A9NW (SE) | 656 | 2 | 385450 397590 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 384910, 398840<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 13.00 mg/kg<br>Cadmium Measured Concentration: 0.30 mg/kg<br>Chromium Measured Concentration: 67.00 mg/kg<br>Lead Measured Concentration: 69.00 mg/kg<br>Nickel Measured Concentration: 20.00 mg/kg | A18NW (N) | 750 | 2 | 384910 398840 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 384750, 397300<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 19.00 mg/kg<br>Cadmium Measured Concentration: 0.60 mg/kg<br>Chromium Measured Concentration: 81.00 mg/kg<br>Lead Measured Concentration: 157.00 mg/kg<br>Nickel Measured Concentration: 26.00 mg/kg | A8SW (S) | 792 | 2 | 384750 397300 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 385340, 398840<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 21.00 mg/kg<br>Cadmium Measured Concentration: 1.20 mg/kg<br>Chromium Measured Concentration: 64.00 mg/kg<br>Lead Measured Concentration: 153.00 mg/kg<br>Nickel Measured Concentration: 20.00 mg/kg | A19NW (NE) | 823 | 2 | 385340 398840 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 385800, 398270<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 18.00 mg/kg<br>Cadmium Measured Concentration: 0.80 mg/kg<br>Chromium Measured Concentration: 110.00 mg/kg<br>Lead Measured Concentration: 196.00 mg/kg<br>Nickel Measured Concentration: 25.00 mg/kg | A14NE (E) | 823 | 2 | 385800 398270 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 385210, 397220<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 37.00 mg/kg<br>Cadmium Measured Concentration: 1.30 mg/kg<br>Chromium Measured Concentration: 81.00 mg/kg<br>Lead Measured Concentration: 433.00 mg/kg<br>Nickel Measured Concentration: 34.00 mg/kg | A8SE (S) | 865 | 2 | 385210 397220 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 385860, 397800<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 19.00 mg/kg<br>Cadmium Measured Concentration: 0.80 mg/kg<br>Chromium Measured Concentration: 73.00 mg/kg<br>Lead Measured Concentration: 207.00 mg/kg<br>Nickel Measured Concentration: 32.00 mg/kg | A14SE (E) | 904 | 2 | 385860 397800 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 384430, 397270<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 13.00 mg/kg<br>Cadmium Measured Concentration: 0.60 mg/kg<br>Chromium Measured Concentration: 66.00 mg/kg<br>Lead Measured Concentration: 64.00 mg/kg<br>Nickel Measured Concentration: 19.00 mg/kg | A7SE (SW) | 963 | 2 | 384430 397270 |
| | **BGS Measured Urban Soil Chemistry**<br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 385740, 398700<br>Soil Sample Type: Topsoil<br>Sample Area: Manchester<br>Arsenic Measured Concentration: 20.00 mg/kg<br>Cadmium Measured Concentration: 0.80 mg/kg<br>Chromium Measured Concentration: 88.00 mg/kg<br>Lead Measured Concentration: 253.00 mg/kg<br>Nickel Measured Concentration: 27.00 mg/kg | A19SE (NE) | 964 | 2 | 385740 398700 |
| | **BGS Urban Soil Chemistry Averages**<br>Source: British Geological Survey, National Geoscience Information Service<br>Sample Area: Manchester<br>Count Id: 300<br>Arsenic Minimum Concentration: 3.00 mg/kg<br>Arsenic Average Concentration: 28.00 mg/kg<br>Arsenic Maximum Concentration: 1008.00 mg/kg<br>Cadmium Minimum Concentration: 0.30 mg/kg<br>Cadmium Average Concentration: 1.40 mg/kg<br>Cadmium Maximum Concentration: 80.30 mg/kg<br>Chromium Minimum Concentration: 29.00 mg/kg<br>Chromium Average Concentration: 92.00 mg/kg<br>Chromium Maximum Concentration: 1252.00 mg/kg<br>Lead Minimum Concentration: 21.00 mg/kg<br>Lead Average Concentration: 270.00 mg/kg<br>Lead Maximum Concentration: 2687.00 mg/kg<br>Nickel Minimum Concentration: 6.00 mg/kg<br>Nickel Average Concentration: 32.00 mg/kg<br>Nickel Maximum Concentration: 137.00 mg/kg | A13NE (N) | 0 | 2 | 384986 398076 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| | **Coal Mining Affected Areas**<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. | A13NE (N) | 0 | 6 | 384986 398076 |
| | **Mining Instability**<br>Mining Evidence: Inconclusive Coal Mining<br>Source: Ove Arup & Partners<br>Boundary Quality: As Supplied | A13NE (N) | 0 | - | 384986 398076 |
| | **Man-Made Mining Cavities**<br>Easting: 384900<br>Northing: 397100<br>Distance: 960<br>Quadrant Reference: A8<br>Quadrant Reference: SW<br>Bearing Ref: S<br>Cavity Type: SHAFT ENTRY SANDSTONE WORKINGS<br>Commodity: Sandstone<br>Solid Geology Detail: BUNTER SANDSTONE MANCHESTER MARLS COLLYHURST SANDSTONE<br>Superficial Geology Detail: Glacial Till | A8SW (S) | 960 | 7 | 384900 397100 |
| | **Non Coal Mining Areas of Great Britain**<br>No Hazard | | | | |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 2 | 384986 398076 |
| | **Potential for Collapsible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (E) | 1 | 2 | 385000 398076 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 2 | 384986 398076 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (E) | 1 | 2 | 385000 398076 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SW (SW) | 171 | 2 | 384881 397921 |
| | **Potential for Compressible Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13SE (S) | 192 | 2 | 385000 397864 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 2 | 384986 398076 |
| | **Potential for Ground Dissolution Stability Hazards**<br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (E) | 1 | 2 | 385000 398076 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 2 | 384986 398076 |
| | **Potential for Landslide Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (E) | 1 | 2 | 385000 398076 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 2 | 384986 398076 |
| | **Potential for Running Sand Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (E) | 1 | 2 | 385000 398076 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 2 | 384986 398076 |
| | **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (E) | 1 | 2 | 385000 398076 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| | **Radon Potential - Radon Protection Measures**<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 | A13NE (N) | 0 | 2 | 384986 398076 |
| | **Radon Potential - Radon Affected Areas**<br>Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level<br>Source: British Geological Survey, National Geoscience Information Service | A13NE (N) | 0 | 2 | 384986 398076 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 89 | **Contemporary Trade Directory Entries**<br>Name: Northwest Metrocab Uk Plc<br>Location: 31-35, Chapeltown Street, Manchester, M1 2NN<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (S) | 71 | - | 384980 397985 |
| 89 | **Contemporary Trade Directory Entries**<br>Name: A & A Autos<br>Location: 31-35, Chapeltown Street, Manchester, M1 2NN<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (S) | 71 | - | 384980 397985 |
| 90 | **Contemporary Trade Directory Entries**<br>Name: Principal Car Sales<br>Location: 18, Sparkle Street, Manchester, M1 2NA<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (SW) | 92 | - | 384919 397993 |
| 90 | **Contemporary Trade Directory Entries**<br>Name: Central Motor Services<br>Location: 26-32, Store Street, Manchester, M1 2WD<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (SW) | 95 | - | 384894 398024 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Garsdale Knitwear Ltd<br>Location: 64, Chapeltown Street, Manchester, M1 2WQ<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 97 | - | 385072 398003 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Abbey Knitwear (Manchester) Ltd<br>Location: 66-72, Chapeltown Street, Manchester, M1 2WH<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 111 | - | 385092 398008 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Anam Knitwear Ltd<br>Location: 66-72, Chapeltown Street, Manchester, M1 2WH<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 111 | - | 385092 398008 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Euro Textiles Ltd<br>Location: 66-72, Chapeltown Street, Manchester, Lancashire, M1 2WH<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A13SE (SE) | 111 | - | 385092 398008 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Dream Knitwear<br>Location: 66-72, Chapeltown Street, Manchester, Lancashire, M1 2WH<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 111 | - | 385092 398008 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: A M S Manchester<br>Location: 66-72, Chapeltown Street, Manchester, Lancashire, M1 2WH<br>Classification: Boilers - Servicing, Replacements & Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 111 | - | 385092 398008 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Samson Hosiery Ltd<br>Location: 66-72, Chapeltown Street, Manchester, M1 2WH<br>Classification: Leisure & Sportswear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 111 | - | 385092 398008 |
| 91 | **Contemporary Trade Directory Entries**<br>Name: Khalil Knitwear<br>Location: 66-72, Chapeltown Street, Manchester, Lancashire, M1 2WH<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 111 | - | 385092 398008 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 92 | **Contemporary Trade Directory Entries**<br>Name: Van Kollem<br>Location: Unit 4,Ducie House,37 Ducie St, Manchester, Lancashire, M1 2JW<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (N) | 128 | - | 384932 398209 |
| 92 | **Contemporary Trade Directory Entries**<br>Name: Baked Goods Distribution<br>Location: Unit 201, Ducie House, 37, Ducie Street, Manchester, M1 2JW<br>Classification: Distribution Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (N) | 129 | - | 384933 398209 |
| 92 | **Contemporary Trade Directory Entries**<br>Name: Tlc Equipment (Europe)<br>Location: Unit 215, Ducie House, 37, Ducie Street, Manchester, Lancashire, M1 2JW<br>Classification: Engineering Machine Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (N) | 129 | - | 384933 398209 |
| 92 | **Contemporary Trade Directory Entries**<br>Name: Concept 3 Ltd<br>Location: Unit 103, Ducie House, 37, Ducie Street, Manchester, Lancashire, M1 2JW<br>Classification: Glass Products - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (N) | 129 | - | 384933 398209 |
| 92 | **Contemporary Trade Directory Entries**<br>Name: Gold Star Ions<br>Location: 10, Pigeon Street, Manchester, M1 2JX<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (N) | 141 | - | 384955 398231 |
| 92 | **Contemporary Trade Directory Entries**<br>Name: Manchester Engines<br>Location: 10, Pigeon Street, Manchester, Lancashire, M1 2JX<br>Classification: Mechanical Engineers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (N) | 141 | - | 384955 398231 |
| 93 | **Contemporary Trade Directory Entries**<br>Name: A S P Architectural Ltd<br>Location: Unit 6, Chancel Place, Store Street, Manchester, M1 2WB<br>Classification: Hardware<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 139 | - | 385108 398167 |
| 93 | **Contemporary Trade Directory Entries**<br>Name: Davies Brothers Tyres<br>Location: Unit 5,Chancel Pl,Store St, Manchester, Lancashire, M1 2WB<br>Classification: Tyre Dealers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A13NE (NE) | 153 | - | 385128 398161 |
| 94 | **Contemporary Trade Directory Entries**<br>Name: Fine Shape (Clothing) Ltd<br>Location: 19a Ducie St,Eidr Ho, Manchester, M1 2JE<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (NW) | 162 | - | 384865 398205 |
| 95 | **Contemporary Trade Directory Entries**<br>Name: Presbar Diecastings Ltd<br>Location: Store Street, Manchester, M1 2WD<br>Classification: Die-Casting Equipment & Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (W) | 164 | - | 384808 398052 |
| 96 | **Contemporary Trade Directory Entries**<br>Name: S A S Fashions Ltd<br>Location: 55-59, Ducie Street, Manchester, M1 2JQ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (N) | 164 | - | 385015 398256 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Crime Scene Cleaning Services<br>Location: 83, Ducie Street, Manchester, M1 2JQ<br>Classification: Commercial Cleaning Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A13NE (N) | 182 | - | 385053 398265 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 97 | **Contemporary Trade Directory Entries**<br>Name: I T Designs<br>Location: 81, Ducie Street, Manchester, M1 2JQ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 211 | - | 385084 398284 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: J Cotton & Co<br>Location: 126, Great Ancoats Street, Manchester, M4 6DE<br>Classification: Car Breakdown & Recovery Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (N) | 221 | - | 385076 398298 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Ocean Design Uk<br>Location: 132-134, Great Ancoats Street, Manchester, M4 6DE<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 222 | - | 385093 398291 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: North West Cleaning Solutions Ltd<br>Location: 132-134, Great Ancoats Street, Manchester, M4 6DE<br>Classification: Cleaning Materials & Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 222 | - | 385093 398291 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Online-Building-Supplies.Co.Uk<br>Location: 132-134, Great Ancoats Street, Manchester, M4 6DE<br>Classification: Builders' Merchants<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 222 | - | 385093 398291 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Castle Comfort Stairlifts Ltd<br>Location: 132-134, Great Ancoats Street, Manchester, M4 6DE<br>Classification: Stairlifts - Manufacturers & Installers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 222 | - | 385093 398291 |
| 97 | **Contemporary Trade Directory Entries**<br>Name: Damp Aid Uk<br>Location: 132-134, Great Ancoats Street, Manchester, M4 6DE<br>Classification: Damp & Dry Rot Control<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 222 | - | 385093 398291 |
| 98 | **Contemporary Trade Directory Entries**<br>Name: Network Rail<br>Location: First-Third Floor, Rail House, Store Street, Manchester, M60 7RT<br>Classification: Railways<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (SW) | 184 | - | 384831 397957 |
| 98 | **Contemporary Trade Directory Entries**<br>Name: Rail Passengers Committee<br>Location: Rail House, Store Street, Manchester, M1 2RP<br>Classification: Railways<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (SW) | 184 | - | 384831 397957 |
| 99 | **Contemporary Trade Directory Entries**<br>Name: R & G Industrial Sewing Machines Ltd<br>Location: Portugal Street East, Manchester, M1 2WX<br>Classification: Sewing Machines - Industrial<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 184 | - | 385156 397975 |
| 100 | **Contemporary Trade Directory Entries**<br>Name: A J Crawford & Sons<br>Location: 37, Longacre Street, Manchester, M1 2WN<br>Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (E) | 210 | - | 385198 398009 |
| 100 | **Contemporary Trade Directory Entries**<br>Name: Dalkeith Autos<br>Location: 7, Heyrod Street, Manchester, M1 2WW<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 232 | - | 385211 397977 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 101 | **Contemporary Trade Directory Entries**<br>Name: G A Armstrong<br>Location: 81, Dale Street, Manchester, M1 2HG<br>Classification: Office Furniture & Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (W) | 231 | - | 384742 398122 |
| 102 | **Contemporary Trade Directory Entries**<br>Name: Gorman Shorrock & Davies Ltd<br>Location: 52, Heyrod Street, Manchester, M1 2WW<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 256 | - | 385221 397942 |
| 102 | **Contemporary Trade Directory Entries**<br>Name: K M Print Design<br>Location: 52, Heyrod Street, Manchester, Lancashire, M1 2WW<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 256 | - | 385221 397942 |
| 103 | **Contemporary Trade Directory Entries**<br>Name: Showerdrape Ltd<br>Location: 3, Longacre Street, Manchester, M1 2WN<br>Classification: Bathroom Fixtures - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (E) | 258 | - | 385257 398073 |
| 104 | **Contemporary Trade Directory Entries**<br>Name: Tariff Street Motors<br>Location: 43 Tariff St, Manchester, M1 2FF<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (N) | 268 | - | 384902 398348 |
| 105 | **Contemporary Trade Directory Entries**<br>Name: The Leather Shop<br>Location: Gateway House, Piccadilly South, Manchester, M1 2GH<br>Classification: Leather Garments & Products<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13SW (SW) | 269 | - | 384742 397938 |
| 106 | **Contemporary Trade Directory Entries**<br>Name: Greater Manchester Electronic Booking<br>Location: Gateway House, Piccadilly South, Manchester, Lancashire, M60 7LP<br>Classification: Hospitals<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (W) | 271 | - | 384706 398017 |
| 107 | **Contemporary Trade Directory Entries**<br>Name: The Body Shop International<br>Location: Unit 10, Piccadilly Station, Manchester, M1 2BN<br>Classification: Cosmetic Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SW (SW) | 275 | - | 384845 397819 |
| 108 | **Contemporary Trade Directory Entries**<br>Name: Brian Winder G C C Ltd<br>Location: Aeroworks, 5, Adair Street, Manchester, M1 2NQ<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (E) | 296 | - | 385280 397981 |
| 108 | **Contemporary Trade Directory Entries**<br>Name: P A Metals<br>Location: 7, Adair Street, Manchester, Lancashire, M1 2NQ<br>Classification: Scrap Metal Merchants<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13SE (E) | 296 | - | 385280 397981 |
| 108 | **Contemporary Trade Directory Entries**<br>Name: Armstrong (Office Furniture)<br>Location: 1, Adair Street, Manchester, Lancashire, M1 2NQ<br>Classification: Office Furniture & Equipment<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13SE (E) | 296 | - | 385280 397981 |
| 108 | **Contemporary Trade Directory Entries**<br>Name: Intercity Group Ltd<br>Location: Aeroworks, 5, Adair Street, Manchester, Lancashire, M1 2NQ<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (E) | 296 | - | 385280 397981 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 108 | **Contemporary Trade Directory Entries**<br>Name: Gorton Bros Ltd<br>Location: Aeroworks, 5, Adair Street, Manchester, Lancashire, M1 2NQ<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (E) | 296 | - | 385280 397981 |
| 108 | **Contemporary Trade Directory Entries**<br>Name: Paragon Hygiene Services Ltd<br>Location: Aeroworks, 5, Adair Street, Manchester, Lancashire, M1 2NQ<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13SE (E) | 296 | - | 385280 397981 |
| 108 | **Contemporary Trade Directory Entries**<br>Name: L P M Cleaning<br>Location: Aeroworks, 5, Adair Street, Manchester, M1 2NQ<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (E) | 296 | - | 385280 397981 |
| 109 | **Contemporary Trade Directory Entries**<br>Name: Cleaners (Manchester)<br>Location: Apartment 725, 40, Hilton Street, Manchester, M1 2BL<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 296 | - | 384718 398238 |
| 110 | **Contemporary Trade Directory Entries**<br>Name: Gio Goi<br>Location: Fourways House,Hilton St, Manchester, Lancashire, M1 2EJ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (NW) | 312 | - | 384741 398294 |
| 110 | **Contemporary Trade Directory Entries**<br>Name: Simone'S Bespoke Housekeeping Service<br>Location: 32, Hilton Street, Manchester, M1 2EH<br>Classification: Cleaning Services - Domestic<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 329 | - | 384708 398282 |
| 110 | **Contemporary Trade Directory Entries**<br>Name: Lanford Ltd<br>Location: 30-32, Hilton Street, Manchester, M1 2EH<br>Classification: Shirt Makers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 329 | - | 384708 398282 |
| 110 | **Contemporary Trade Directory Entries**<br>Name: Style House Manchester Ltd<br>Location: Ground Floor, Fourways House, 16, Tariff Street, Manchester, Lancashire, M1 2FN<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (NW) | 334 | - | 384729 398314 |
| 110 | **Contemporary Trade Directory Entries**<br>Name: Chowhan & Co<br>Location: 14, Tariff Street, Manchester, M1 2FF<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 347 | - | 384701 398301 |
| 110 | **Contemporary Trade Directory Entries**<br>Name: T D S Fashions<br>Location: Second Floor, 14, Tariff Street, Manchester, M1 2FF<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 347 | - | 384701 398301 |
| 110 | **Contemporary Trade Directory Entries**<br>Name: Complete Processing<br>Location: 14, Tariff Street, Manchester, Lancashire, M1 2FF<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (NW) | 347 | - | 384701 398301 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 110 | **Contemporary Trade Directory Entries**<br>Name: Minuteman Press ( Manchester Center)<br>Location: 27a Hilton St, Manchester, Lancashire, M1 1EL<br>Classification: Digital Printing<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A13NW (NW) | 385 | - | 384694 398350 |
| 110 | **Contemporary Trade Directory Entries**<br>Name: Local Map Co<br>Location: Tariff St, Manchester, Lancashire, M1 2FF<br>Classification: Cleaning Services - Domestic<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A13NW (NW) | 391 | - | 384663 398325 |
| 111 | **Contemporary Trade Directory Entries**<br>Name: Manchester Carpet Cleaning<br>Location: 111, Piccadilly, Manchester, M1 2HX<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (W) | 323 | - | 384648 398114 |
| 111 | **Contemporary Trade Directory Entries**<br>Name: Damp Pro<br>Location: Rodwell Tower,111 Piccadilly, Manchester, Lancashire, M1 2HY<br>Classification: Damp & Dry Rot Control<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A13NW (W) | 323 | - | 384648 398114 |
| 111 | **Contemporary Trade Directory Entries**<br>Name: Cash For Scrap Cars<br>Location: 111, Piccadilly, Manchester, M1 2HX<br>Classification: Scrap Yards<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (W) | 323 | - | 384648 398114 |
| 111 | **Contemporary Trade Directory Entries**<br>Name: 118 Cleaning<br>Location: Piccadilly, Manchester, Lancashire, M1 2HX<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A13NW (W) | 323 | - | 384648 398114 |
| 111 | **Contemporary Trade Directory Entries**<br>Name: Ucarpia.Com<br>Location: 111, Piccadilly, Manchester, M1 2HX<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (W) | 323 | - | 384648 398114 |
| 111 | **Contemporary Trade Directory Entries**<br>Name: Sparkle Cleaning Services<br>Location: 111, Piccadilly, Manchester, M1 2HX<br>Classification: Cleaning Services - Domestic<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (W) | 323 | - | 384648 398114 |
| 111 | **Contemporary Trade Directory Entries**<br>Name: Balfour Beatty Rail Signalling Ltd<br>Location: 111 Piccadilly, Manchester, M1 2HY<br>Classification: Railways<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (W) | 324 | - | 384647 398114 |
| 111 | **Contemporary Trade Directory Entries**<br>Name: Piccadily Dry Cleaners<br>Location: Unit B,Rodwell Tower,111 Piccadilly, Manchester, Lancashire, M1 2HY<br>Classification: Dry Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (W) | 324 | - | 384647 398114 |
| 112 | **Contemporary Trade Directory Entries**<br>Name: Printing.Com<br>Location: 119, Great Ancoats Street, Manchester, M4 5AG<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A18SW (N) | 324 | - | 384953 398416 |
| 112 | **Contemporary Trade Directory Entries**<br>Name: Indesign (Uk) Ltd<br>Location: 104 Great Ancoats St, Manchester, M4 5BQ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A18SW (N) | 341 | - | 384938 398432 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 113 | **Contemporary Trade Directory Entries**<br>Name: A & S Fashions<br>Location: Brownsfield Mill, Binns Place, Manchester, M4 5BP<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (N) | 325 | - | 384889 398403 |
| 114 | **Contemporary Trade Directory Entries**<br>Name: Logistica Fleet Services<br>Location: St. Andrews Square, Manchester, M1 2NS<br>Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 329 | - | 385265 397873 |
| 114 | **Contemporary Trade Directory Entries**<br>Name: Rockbar<br>Location: St. Andrews Square, Manchester, M1 2NS<br>Classification: Road Haulage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 329 | - | 385265 397873 |
| 114 | **Contemporary Trade Directory Entries**<br>Name: T T Express<br>Location: St. Andrews Square, Manchester, M1 2NS<br>Classification: Road Haulage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 329 | - | 385265 397873 |
| 114 | **Contemporary Trade Directory Entries**<br>Name: Arriva North West Ltd<br>Location: St. Andrews Square, Manchester, Lancashire, M1 2NS<br>Classification: Bus & Coach Operators & Stations<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A13SE (SE) | 344 | - | 385289 397884 |
| 115 | **Contemporary Trade Directory Entries**<br>Name: Currys<br>Location: Central Retail Park, Great Ancoats Street, Manchester, Lancashire, M4 6DL<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NE (NE) | 336 | - | 385184 398369 |
| 116 | **Contemporary Trade Directory Entries**<br>Name: Marco Trading Co Ltd<br>Location: Marco House, Tariff Street, Manchester, M1 2FF<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 346 | - | 384806 398387 |
| 117 | **Contemporary Trade Directory Entries**<br>Name: A & B Engineering<br>Location: 5 Picadilly Pl, Manchester, Lancashire, M1 3BG<br>Classification: Engineering Machine Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A12SE (W) | 346 | - | 384637 397986 |
| 118 | **Contemporary Trade Directory Entries**<br>Name: Jogo Associates Ltd<br>Location: 49-51, Dale Street, Manchester, M1 2HF<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 347 | - | 384671 398259 |
| 118 | **Contemporary Trade Directory Entries**<br>Name: Iana Ltd<br>Location: 47, Dale Street, Manchester, M1 2HF<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13NW (NW) | 371 | - | 384655 398278 |
| 119 | **Contemporary Trade Directory Entries**<br>Name: N S Fashion<br>Location: 64-66, Dale Street, Manchester, Lancashire, M1 2HR<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (W) | 350 | - | 384645 398213 |
| 119 | **Contemporary Trade Directory Entries**<br>Name: M C C S<br>Location: 6 Paton St, Manchester, Lancashire, M1 2BA<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A12NE (W) | 366 | - | 384618 398185 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 120 | **Contemporary Trade Directory Entries**<br>Name: Manchester Pest Control<br>Location: 50, London Road, Manchester, M1 2PH<br>Classification: Pest & Vermin Control<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A13SW (SW) | 367 | - | 384703 397822 |
| 121 | **Contemporary Trade Directory Entries**<br>Name: S A Car Services<br>Location: 8 Wyre St, Manchester, M1 2PR<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13SW (SW) | 368 | - | 384785 397748 |
| 122 | **Contemporary Trade Directory Entries**<br>Name: Trevor Autos<br>Location: 108d, North Western Street, Manchester, M1 2WS<br>Classification: Mechanical Engineers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 389 | - | 385201 397732 |
| 122 | **Contemporary Trade Directory Entries**<br>Name: City Lubrication Services<br>Location: 108c, North Western Street, Manchester, M1 2WS<br>Classification: Mot Testing Centres<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned in the proximity of the address | A8NE (SE) | 403 | - | 385214 397723 |
| 123 | **Contemporary Trade Directory Entries**<br>Name: Advanced Valve Solutions<br>Location: Piccadilly Pl, Manchester, Lancashire, M1 3BN<br>Classification: Valve Manufacturers & Suppliers<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A8NW (S) | 393 | - | 384868 397681 |
| 124 | **Contemporary Trade Directory Entries**<br>Name: Honeyhull Ltd<br>Location: 56, Dale Street, Manchester, M1 2HN<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 395 | - | 384616 398259 |
| 124 | **Contemporary Trade Directory Entries**<br>Name: Uk Fashion Wear Ltd<br>Location: 56, Dale Street, Manchester, M1 2HN<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 395 | - | 384616 398259 |
| 124 | **Contemporary Trade Directory Entries**<br>Name: Fashionpulse<br>Location: 56, Dale Street, Manchester, Lancashire, M1 2HN<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 395 | - | 384616 398259 |
| 124 | **Contemporary Trade Directory Entries**<br>Name: Mpg Ltd<br>Location: Dale House, 35, Dale Street, Manchester, Lancashire, M1 2HF<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 398 | - | 384644 398311 |
| 124 | **Contemporary Trade Directory Entries**<br>Name: Maximum Bright Services<br>Location: Dale House,35 Dale St, Manchester, Lancashire, M1 2HF<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 398 | - | 384643 398310 |
| 124 | **Contemporary Trade Directory Entries**<br>Name: Slack & Andrews<br>Location: Dale House, 35, Dale Street, Manchester, Lancashire, M1 2HF<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 399 | - | 384644 398311 |
| 124 | **Contemporary Trade Directory Entries**<br>Name: Maximum Bright Services<br>Location: Dale House, 35, Dale Street, Manchester, Lancashire, M1 2HF<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 399 | - | 384644 398311 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 124 | **Contemporary Trade Directory Entries**<br>Name: A Garstang & Co Ltd<br>Location: 16, Newton Street, Manchester, M1 2AE<br>Classification: Shirt Makers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 410 | - | 384614 398284 |
| 125 | **Contemporary Trade Directory Entries**<br>Name: Va Clean Manchester Ltd<br>Location: 78, Pickford Street, Manchester, M4 5BT<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 396 | - | 384915 398483 |
| 126 | **Contemporary Trade Directory Entries**<br>Name: The Studio Workshop<br>Location: 9, Piccadilly Trading Estate, Manchester, Lancashire, M1 2NP<br>Classification: Photographic Equipment & Supplies - Wholesale<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SW (E) | 402 | - | 385381 397950 |
| 127 | **Contemporary Trade Directory Entries**<br>Name: F Dunn & Sons<br>Location: Vesta St, Ancoats, Manchester, M4 6DS<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A14NW (NE) | 409 | - | 385338 398310 |
| 128 | **Contemporary Trade Directory Entries**<br>Name: Royal Mail Logistics<br>Location: Travis Street, Manchester, Lancashire, M1 2NG<br>Classification: Distribution Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE) | 410 | - | 385267 397755 |
| 129 | **Contemporary Trade Directory Entries**<br>Name: Dordaf & Partners<br>Location: Flat 8, Roby Court, 14, Roby Street, Manchester, M1 3AG<br>Classification: Bathroom Fixtures - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 413 | - | 384557 398090 |
| 129 | **Contemporary Trade Directory Entries**<br>Name: Sa Group Services<br>Location: Stan, Lancashire, M1 3BL<br>Classification: Cleaning Services - Domestic<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A12NE (W) | 440 | - | 384530 398105 |
| 130 | **Contemporary Trade Directory Entries**<br>Name: Intertek Testing Services International<br>Location: Bainbridge House, 86-90, London Road, Manchester, M1 2PW<br>Classification: Corrosion Prevention & Control<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8NW (SW) | 414 | - | 384726 397734 |
| 130 | **Contemporary Trade Directory Entries**<br>Name: Capcis<br>Location: Capcis House, 1, Echo Street, Manchester, M1 7DP<br>Classification: Corrosion Prevention & Control<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NW (SW) | 414 | - | 384726 397734 |
| 130 | **Contemporary Trade Directory Entries**<br>Name: Intertek Capcis<br>Location: Bainbridge House, 86-90, London Road, Manchester, M1 2PW<br>Classification: Corrosion Prevention & Control<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8NW (SW) | 414 | - | 384726 397734 |
| 131 | **Contemporary Trade Directory Entries**<br>Name: Mayfield Press<br>Location: The Mayfield Centre, Fairfield Street, Manchester, M1 2QF<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 414 | - | 385124 397665 |
| 132 | **Contemporary Trade Directory Entries**<br>Name: R Jaffay<br>Location: 63, Houldsworth Street, Manchester, M1 2ES<br>Classification: Furniture Manufacturers - Home & Office<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 417 | - | 384832 398480 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 132 | **Contemporary Trade Directory Entries**<br>Name: A Jeffay<br>Location: 63, Houldsworth Street, Manchester, M1 2ES<br>Classification: Furniture Manufacturers - Home & Office<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 417 | - | 384832 398480 |
| 132 | **Contemporary Trade Directory Entries**<br>Name: Jeffay<br>Location: 63, Houldsworth Street, Manchester, Lancashire, M1 2ES<br>Classification: Furniture Manufacturers - Home & Office<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 417 | - | 384832 398480 |
| 132 | **Contemporary Trade Directory Entries**<br>Name: Bec Digital Ltd<br>Location: 47, Houldsworth Street, Manchester, M1 2ES<br>Classification: Photocopiers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 456 | - | 384803 398510 |
| 133 | **Contemporary Trade Directory Entries**<br>Name: City Recovery & Storage<br>Location: 50, Newton Street, Manchester, Lancashire, M1 2EA<br>Classification: Road Haulage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A13NW (NW) | 425 | - | 384658 398370 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Bodyguard Clothing Ltd<br>Location: 33, Dale Street, Manchester, Lancashire, M1 2HE<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 429 | - | 384638 398354 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Zig Zag Clothing Ltd<br>Location: 33, Dale Street, Manchester, Lancashire, M1 2HE<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 430 | - | 384638 398354 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Ben Sherman<br>Location: 47, Newton Street, Manchester, Lancashire, M1 1FT<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 458 | - | 384618 398376 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Guy Foam<br>Location: 10, Little Lever Street, Manchester, M1 1HR<br>Classification: Photo & Digital Imaging Bureaus<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 477 | - | 384599 398382 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Alert 2 Media<br>Location: 24, Lever Street, Manchester, Lancashire, M1 1DZ<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 500 | - | 384580 398396 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Elert 2 Media<br>Location: 24, Lever Street, Manchester, Lancashire, M1 1DZ<br>Classification: Printers Textile<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 501 | - | 384580 398397 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Ax-S Global<br>Location: 22, Lever Street, Manchester, M1 1EA<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 517 | - | 384556 398392 |
| 134 | **Contemporary Trade Directory Entries**<br>Name: Godske Group<br>Location: 22, Lever Street, Manchester, M1 1EA<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 517 | - | 384556 398392 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 134 | **Contemporary Trade Directory Entries**<br>Name: Ax S Global<br>Location: 22, Lever Street, Manchester, M1 1EA<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 517 | - | 384556 398392 |
| 135 | **Contemporary Trade Directory Entries**<br>Name: Little Star<br>Location: 58, Baring Street, Manchester, Lancashire, M1 2PY<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8NW (S) | 458 | - | 384969 397598 |
| 135 | **Contemporary Trade Directory Entries**<br>Name: Olympic Enterprises<br>Location: 58, Baring Street, Manchester, Lancashire, M1 2PY<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8NW (S) | 458 | - | 384969 397598 |
| 136 | **Contemporary Trade Directory Entries**<br>Name: Quality Engineering Design<br>Location: 17-21, Newton Street, MANCHESTER, M1 1FZ<br>Classification: Mechanical Engineers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 462 | - | 384573 398319 |
| 137 | **Contemporary Trade Directory Entries**<br>Name: Evans Textile (Sales) Ltd<br>Location: Helmet Street, Manchester, M1 2NT<br>Classification: Textile Manufacturing<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A14SW (SE) | 469 | - | 385360 397767 |
| 137 | **Contemporary Trade Directory Entries**<br>Name: Climate Center<br>Location: 2, Helmet Street, Manchester, Lancashire, M1 2NT<br>Classification: Refrigeration Equipment - Commercial<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A14SW (SE) | 469 | - | 385360 397767 |
| 137 | **Contemporary Trade Directory Entries**<br>Name: Climate Centre<br>Location: 2, Helmet Street, Manchester, Lancashire, M1 2NT<br>Classification: Air Conditioning & Refrigeration Contractors<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A14SW (SE) | 469 | - | 385360 397767 |
| 138 | **Contemporary Trade Directory Entries**<br>Name: Daisy Fashions<br>Location: 25, Hilton Street, Manchester, M1 1EL<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 471 | - | 384646 398424 |
| 138 | **Contemporary Trade Directory Entries**<br>Name: Moving Fashion Ltd<br>Location: 11, Stevenson Square, Manchester, M1 1DB<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 501 | - | 384632 398453 |
| 139 | **Contemporary Trade Directory Entries**<br>Name: Itfaq Knitwear<br>Location: 27, Berry Street, Manchester, M1 2PP<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NW (S) | 471 | - | 384912 397590 |
| 139 | **Contemporary Trade Directory Entries**<br>Name: Flowplant Group Ltd<br>Location: 27, Berry Street, Manchester, Lancashire, M1 2PP<br>Classification: Pumps - Sales, Servicing & Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NW (S) | 471 | - | 384912 397590 |
| 139 | **Contemporary Trade Directory Entries**<br>Name: Delprint Display<br>Location: 26 Buxton St, Manchester, M1 2PT<br>Classification: Screen Process Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8NW (S) | 472 | - | 384912 397590 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 140 | **Contemporary Trade Directory Entries**<br>Name: P N H<br>Location: St. Margarets Chambers, 5, Newton Street, Manchester, Lancashire, M1 1HL<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 475 | - | 384543 398291 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Max Spielmann<br>Location: 63, Piccadilly, Manchester, Lancashire, M1 2AG<br>Classification: Photographic Processors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 475 | - | 384534 398271 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Force C<br>Location: 5 Newton St, Manchester, M1 1HW<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 476 | - | 384542 398290 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Carr Manufacturing Co (Radcliffe) Ltd<br>Location: First Floor, Clayton House, 59, Piccadilly, Manchester, M1 2AS<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 488 | - | 384529 398292 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Damp Aid<br>Location: Clayton House, 59, Piccadilly, Manchester, M1 2AQ<br>Classification: Damp & Dry Rot Control<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 488 | - | 384529 398292 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Cherry Smart Services Ltd<br>Location: Clayton House, 59, Piccadilly, Manchester, M1 2AQ<br>Classification: Commercial Cleaning Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 488 | - | 384529 398292 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Kane Contracts Ltd<br>Location: Third Floor,Clayton House,59 Piccadilly, Manchester, M1 2AQ<br>Classification: Cleaning Services - Commercial<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 489 | - | 384528 398292 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: John Addley Ltd<br>Location: Clayton House, 59, Piccadilly, Manchester, Lancashire, M1 2AQ<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 492 | - | 384518 398278 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Scotfax<br>Location: Clayton House, 59, Piccadilly, Manchester, Lancashire, M1 2AQ<br>Classification: Photocopiers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 492 | - | 384518 398278 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Scotfax<br>Location: Clayton House, 59, Piccadilly, Manchester, Lancashire, M1 2AQ<br>Classification: Photocopiers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 492 | - | 384518 398278 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Forward Bird Control<br>Location: Clayton House, 59, Piccadilly, Manchester, Lancashire, M1 2AQ<br>Classification: Pest & Vermin Control<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 492 | - | 384518 398278 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Oceanblue Logistics<br>Location: Clayton House, 59, Piccadilly, Manchester, Lancashire, M1 2AQ<br>Classification: Freight Forwarders<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 492 | - | 384518 398278 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 140 | **Contemporary Trade Directory Entries**<br>Name: Multitude Estates Ltd<br>Location: Clayton House, 59, Piccadilly, Manchester, M1 2AQ<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 492 | - | 384518 398278 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Printpug.Com<br>Location: Piccadilly House, 49, Piccadilly, Manchester, M1 2AP<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 522 | - | 384494 398297 |
| 140 | **Contemporary Trade Directory Entries**<br>Name: Manchester Office Cleaners<br>Location: Piccadilly House, 49, Piccadilly, Manchester, M1 2AP<br>Classification: Cleaning Services - Domestic<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 522 | - | 384494 398297 |
| 141 | **Contemporary Trade Directory Entries**<br>Name: Manchester Tyre Services<br>Location: 101, Fairfield Street, Manchester, M1 2WG<br>Classification: Tyre Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 478 | - | 385317 397709 |
| 141 | **Contemporary Trade Directory Entries**<br>Name: B G M Wire Products Ltd<br>Location: 102, North Western Street, Manchester, M12 6JL<br>Classification: Wire Products - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned in the proximity of the address | A8NE (SE) | 488 | - | 385290 397674 |
| 141 | **Contemporary Trade Directory Entries**<br>Name: Greenwell Motors<br>Location: 94-104, Fairfield Street, Manchester, M1 2WR<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 520 | - | 385334 397669 |
| 141 | **Contemporary Trade Directory Entries**<br>Name: Fletcher Garages<br>Location: 94-104, Fairfield Street, Manchester, M1 2WR<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 520 | - | 385334 397669 |
| 142 | **Contemporary Trade Directory Entries**<br>Name: Ed Chapman Ltd<br>Location: Union Mill, Redhill Street, Manchester, M4 5AU<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SE (N) | 493 | - | 385066 398582 |
| 143 | **Contemporary Trade Directory Entries**<br>Name: Corralls<br>Location: 54-58, Great Ancoats Street, Manchester, M4 5AB<br>Classification: Coal & Smokeless Fuel Merchants & Distributors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 508 | - | 384822 398574 |
| 143 | **Contemporary Trade Directory Entries**<br>Name: Spray Tech<br>Location: Ground Floor, 16, Blossom Street, Manchester, M4 5AW<br>Classification: Printers Textile<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 516 | - | 384859 398594 |
| 143 | **Contemporary Trade Directory Entries**<br>Name: Bhana Clothing<br>Location: Ground Floor, 16, Blossom Street, Manchester, Lancashire, M4 5AW<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A18SW (N) | 516 | - | 384859 398594 |
| 143 | **Contemporary Trade Directory Entries**<br>Name: Daisy Fashions<br>Location: 16, Blossom Street, Manchester, Lancashire, M4 5AW<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 516 | - | 384859 398594 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 143 | **Contemporary Trade Directory Entries**<br>Name: Miroil Uk Ltd<br>Location: 13, Blossom Street, Manchester, M4 5AF<br>Classification: Catering Equipment<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 554 | - | 384820 398622 |
| 144 | **Contemporary Trade Directory Entries**<br>Name: Eric Brownbill Fashion Agencies<br>Location: 20, Dale Street, Manchester, Lancashire, M1 1EZ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 524 | - | 384527 398362 |
| 144 | **Contemporary Trade Directory Entries**<br>Name: Watts Bros (Manchester) Ltd<br>Location: 20, Dale Street, Manchester, Lancashire, M1 1EZ<br>Classification: Hats & Caps - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 524 | - | 384527 398362 |
| 144 | **Contemporary Trade Directory Entries**<br>Name: La Vie Facile<br>Location: 20, Dale Street, Manchester, Lancashire, M1 1EZ<br>Classification: Footwear Manufacturers & Wholesale<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NE (NW) | 524 | - | 384527 398362 |
| 144 | **Contemporary Trade Directory Entries**<br>Name: K O Sports<br>Location: Apartment 104, Chatsworth House, 19, Lever Street, Manchester, M1 1BY<br>Classification: Sports Equipment Manufacturers & Distributors<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NE (NW) | 565 | - | 384491 398382 |
| 145 | **Contemporary Trade Directory Entries**<br>Name: United Global Logistics<br>Location: Minshull House, 47, Chorlton Street, Manchester, M1 3FY<br>Classification: Freight Forwarders<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12SE (W) | 529 | - | 384479 397885 |
| 146 | **Contemporary Trade Directory Entries**<br>Name: F & B Hosiery Manufacturing Co Ltd<br>Location: 10, Nether Street, Manchester, M12 6HY<br>Classification: Lingerie & Hosiery Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 537 | - | 385029 397521 |
| 146 | **Contemporary Trade Directory Entries**<br>Name: Ryder Towing Equipment Ltd<br>Location: Mancunian Way, Manchester, Lancashire, M12 6HJ<br>Classification: Trailers & Towing Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 537 | - | 385029 397521 |
| 146 | **Contemporary Trade Directory Entries**<br>Name: Hilclare Ltd<br>Location: Unit 1, Bond Street Industrial Estate, Mancunian Way, Manchester, M12 6HW<br>Classification: Lighting Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 555 | - | 385076 397508 |
| 146 | **Contemporary Trade Directory Entries**<br>Name: Klyne & Klyne<br>Location: Unit 5, Bond Street Industrial Estate, Mancunian Way, Manchester, M12 6HW<br>Classification: Do It Yourself Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (S) | 555 | - | 385076 397508 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Revolution It<br>Location: 100, Fairfield Street, Manchester, Lancashire, M1 2WR<br>Classification: Computer Recycling & Disposal<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 545 | - | 385357 397655 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Auto Care Assist<br>Location: 102 Fairfield St, Manchester, Lancashire, M1 2WR<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A9NW (SE) | 545 | - | 385357 397655 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 147 | **Contemporary Trade Directory Entries**<br>Name: Fairfield Motor Garage<br>Location: 100, Fairfield Street, Manchester, M1 2WR<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 545 | - | 385357 397655 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Urban Fabrication & Engineering Ltd<br>Location: 100, Temperance Street, Manchester, Lancashire, M12 6HU<br>Classification: Steel Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 550 | - | 385309 397610 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Bakewell Engineering Ltd<br>Location: 99, North Western Street, Manchester, M12 6JL<br>Classification: Metal Products - Fabricated<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 555 | - | 385349 397635 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Cristecuk Garage<br>Location: 102 Fairfield Street, Manchester, Lancashire, M1 2WR<br>Classification: Breakdown and Recovery<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A9NW (SE) | 556 | - | 385375 397656 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Cristecuk Ltd<br>Location: 102 Fairfield St, Manchester, Lancashire, M1 2WR<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A9NW (SE) | 557 | - | 385374 397654 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: The Cab Co<br>Location: 102 Fairfield St, Manchester, Lancashire, M1 2WR<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A9NW (SE) | 573 | - | 385380 397638 |
| 147 | **Contemporary Trade Directory Entries**<br>Name: Generation Clothing<br>Location: 98 North Western St, Manchester, Lancashire, M12 6JL<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A9NW (SE) | 574 | - | 385366 397624 |
| 148 | **Contemporary Trade Directory Entries**<br>Name: Arthur Henriques Ltd<br>Location: Vulcan Works, Pollard Street, Manchester, M4 7AR<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (E) | 553 | - | 385536 398214 |
| 148 | **Contemporary Trade Directory Entries**<br>Name: Pollard Vacforming Co<br>Location: Vulcan Works, Pollard Street, Manchester, Lancashire, M4 7AN<br>Classification: Packaging & Wrapping Equipment & Supplies<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A14NW (E) | 553 | - | 385536 398214 |
| 148 | **Contemporary Trade Directory Entries**<br>Name: Gina Fashions<br>Location: Vulcan Works, Pollard Street, Manchester, Lancashire, M4 7AN<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A14NW (E) | 553 | - | 385536 398214 |
| 148 | **Contemporary Trade Directory Entries**<br>Name: Twentyfour Seven Vulcan Ltd<br>Location: Vulcan Works, Pollard Street, Manchester, Lancashire, M4 7AR<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A14NW (E) | 553 | - | 385536 398214 |
| 148 | **Contemporary Trade Directory Entries**<br>Name: Diamond Auto Salvage<br>Location: 21 Pollard St, Manchester, M4 7AF<br>Classification: Salvage Dealers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A14NW (E) | 559 | - | 385534 398242 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 148 | **Contemporary Trade Directory Entries**<br>Name: C H Cross & Son Ltd<br>Location: Vulcan Works, Malta Street, Manchester, M4 7AP<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (E) | 599 | - | 385575 398242 |
| 149 | **Contemporary Trade Directory Entries**<br>Name: Broadcasting Support Services<br>Location: 24, Piccadilly Trading Estate, Manchester, M1 2NP<br>Classification: Distribution Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SW (E) | 558 | - | 385532 397910 |
| 150 | **Contemporary Trade Directory Entries**<br>Name: A 2 Z Knitwear Ltd<br>Location: 56, Lever Street, Manchester, M1 1FJ<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 558 | - | 384720 398582 |
| 150 | **Contemporary Trade Directory Entries**<br>Name: Manchester Printing Co Ltd<br>Location: 75 Lever St, Manchester, Lancashire, M1 1FL<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A18SW (NW) | 568 | - | 384680 398570 |
| 150 | **Contemporary Trade Directory Entries**<br>Name: Silk Beauty<br>Location: 10, Bradley Street, Manchester, M1 1EH<br>Classification: Electrolysis<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18SW (NW) | 582 | - | 384673 398583 |
| 151 | **Contemporary Trade Directory Entries**<br>Name: Advent<br>Location: 309, Great Ancoats Street, Manchester, M4 7DF<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SW (E) | 564 | - | 385559 398014 |
| 152 | **Contemporary Trade Directory Entries**<br>Name: F D T Transport Ltd<br>Location: 113, Fairfield Street, Manchester, Lancashire, M12 6EL<br>Classification: Road Haulage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 565 | - | 385417 397686 |
| 153 | **Contemporary Trade Directory Entries**<br>Name: Blossom Motor Co<br>Location: 27, Gun Street, Manchester, M4 5DN<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 567 | - | 384804 398630 |
| 153 | **Contemporary Trade Directory Entries**<br>Name: Al-Murid Pleating Co<br>Location: 24-28, George Leigh Street, Manchester, M4 5DQ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 611 | - | 384809 398678 |
| 153 | **Contemporary Trade Directory Entries**<br>Name: Sam Knitwear Ltd<br>Location: 24-28, George Leigh Street, Manchester, M4 5DQ<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 611 | - | 384809 398678 |
| 154 | **Contemporary Trade Directory Entries**<br>Name: Transport For Greater Manchester<br>Location: 2, Picadilly Place, Manchester, Lancashire, M1 3BG<br>Classification: Bus & Coach Operators & Stations<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NE (W) | 577 | - | 384406 398205 |
| 155 | **Contemporary Trade Directory Entries**<br>Name: Dynamik Designs<br>Location: 1, Stevenson Square, Manchester, Lancashire, M1 1DN<br>Classification: Car Accessories Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 579 | - | 384565 398497 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 155 | **Contemporary Trade Directory Entries**<br>Name: Flyers Group<br>Location: 12, Hilton Street, Manchester, M1 1JF<br>Classification: Children & Babywear - Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 597 | - | 384528 398483 |
| 155 | **Contemporary Trade Directory Entries**<br>Name: Bermona Ltd<br>Location: 12, Hilton Street, Manchester, M1 1JF<br>Classification: Hats & Caps - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 597 | - | 384528 398483 |
| 155 | **Contemporary Trade Directory Entries**<br>Name: Launderette<br>Location: 19, Hilton Street, Manchester, M1 1JJ<br>Classification: Laundries & Launderettes<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 598 | - | 384541 398499 |
| 156 | **Contemporary Trade Directory Entries**<br>Name: Amc Graphics<br>Location: Lynx House, 17, Cotton Street, Manchester, M4 6AA<br>Classification: Lithographic Plate Makers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 582 | - | 384858 398662 |
| 156 | **Contemporary Trade Directory Entries**<br>Name: Appleyard Press<br>Location: Lynx House, 17, Cotton Street, Manchester, M4 6AA<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SW (N) | 582 | - | 384858 398662 |
| 157 | **Contemporary Trade Directory Entries**<br>Name: W Bernie<br>Location: Stubbs Mill,Upper Kirby St, Manchester, M4 6FA<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A19SW (NE) | 590 | - | 385480 398423 |
| 158 | **Contemporary Trade Directory Entries**<br>Name: Worlds Apart<br>Location: Unit C, Aldow Enterprise Park, Blackett Street, Manchester, Lancashire, M12 6AE<br>Classification: Screen Process Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SW (SE) | 599 | - | 385526 397785 |
| 158 | **Contemporary Trade Directory Entries**<br>Name: Hugo James Ltd<br>Location: Unit D, Aldow Enterprise Park, Blackett Street, Manchester, M12 6AE<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14SW (SE) | 617 | - | 385536 397765 |
| 159 | **Contemporary Trade Directory Entries**<br>Name: J F Haulage (Manchester) Ltd<br>Location: 127, Fairfield Street, Manchester, M12 6EL<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 608 | - | 385472 397686 |
| 159 | **Contemporary Trade Directory Entries**<br>Name: Gilbert Albert & Son Ltd<br>Location: 137, Fairfield Street, Manchester, M12 6FJ<br>Classification: Commercial Vehicle Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 619 | - | 385483 397683 |
| 159 | **Contemporary Trade Directory Entries**<br>Name: John Grundy (Labels) Ltd<br>Location: 137, Fairfield Street, Manchester, M12 6FJ<br>Classification: Print Finishers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 619 | - | 385483 397683 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 159 | **Contemporary Trade Directory Entries**<br>Name: Car Clearence<br>Location: 137, Fairfield Street, Manchester, Lancashire, M12 6FJ<br>Classification: Car Dealers - Used<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 619 | - | 385483 397683 |
| 159 | **Contemporary Trade Directory Entries**<br>Name: A W Allsop (Manchester) Ltd<br>Location: Unit A, Aldow Enterprise Park, Blackett Street, Manchester, Lancashire, M12 6AE<br>Classification: Lamination & Encapsulation Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 622 | - | 385510 397715 |
| 159 | **Contemporary Trade Directory Entries**<br>Name: Mr Clutch<br>Location: Blackett Street, Manchester, M12 6EJ<br>Classification: Brake & Clutch Service Centres<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 645 | - | 385531 397703 |
| 159 | **Contemporary Trade Directory Entries**<br>Name: Mr Clutch<br>Location: Blackett Street, Manchester, M12 6EJ<br>Classification: Brake & Clutch Service Centres<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 645 | - | 385531 397703 |
| 160 | **Contemporary Trade Directory Entries**<br>Name: Ireland & Hindley Ltd<br>Location: Unit 8, Downing Street Industrial Estate, Charlton Place, Ardwick, Manchester, M12 6HH<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NW (S) | 618 | - | 384972 397438 |
| 160 | **Contemporary Trade Directory Entries**<br>Name: Olympus Coachcraft<br>Location: Unit 7, Downing Street Industrial Estate, Charlton Place, Ardwick, Manchester, Lancashire, M12 6HH<br>Classification: Car Customisation & Conversion Specialists<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NW (S) | 633 | - | 384980 397422 |
| 161 | **Contemporary Trade Directory Entries**<br>Name: Aka Designs<br>Location: Beehive Mill, Jersey Street, Manchester, Lancashire, M4 6JG<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A18SE (N) | 635 | - | 385093 398721 |
| 161 | **Contemporary Trade Directory Entries**<br>Name: Pillar & Post Ltd<br>Location: Beehive Mill, Jersey Street, Manchester, Lancashire, M4 6JG<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A18SE (N) | 635 | - | 385093 398721 |
| 162 | **Contemporary Trade Directory Entries**<br>Name: D T M<br>Location: 45, Bengal Street, Manchester, M4 6AF<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18SE (N) | 637 | - | 385042 398729 |
| 162 | **Contemporary Trade Directory Entries**<br>Name: Anglopack Ltd<br>Location: 46, Radium Street, Manchester, M4 6AY<br>Classification: Packaging Materials Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 668 | - | 385056 398759 |
| 163 | **Contemporary Trade Directory Entries**<br>Name: Dee Wong Food Ltd<br>Location: Unit 1, Hoyle Street, Manchester, M12 6HG<br>Classification: Food Products - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 644 | - | 385298 397492 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 163 | **Contemporary Trade Directory Entries**<br>Name: Bearing Mart<br>Location: Unit 1, Hoyle Street, Manchester, Lancashire, M12 6HG<br>Classification: Engineering Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 644 | - | 385298 397492 |
| 163 | **Contemporary Trade Directory Entries**<br>Name: Ply-Lining (Northern) Ltd<br>Location: Unit 1, Hoyle Street, Manchester, M12 6HG<br>Classification: Commercial Vehicle Bodybuilders & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 649 | - | 385298 397487 |
| 163 | **Contemporary Trade Directory Entries**<br>Name: Ardwick Auto Spares<br>Location: Unit 2, Hoyle Street, Manchester, M12 6HG<br>Classification: Car Breakers & Dismantlers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8NE (SE) | 653 | - | 385320 397495 |
| 163 | **Contemporary Trade Directory Entries**<br>Name: Manchester Recovery Services<br>Location: Unit 3, Hoyle Street, Manchester, M12 6HG<br>Classification: Car Breakdown & Recovery Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 657 | - | 385328 397495 |
| 163 | **Contemporary Trade Directory Entries**<br>Name: Jemm Autos<br>Location: Unit 4, Hoyle Street, Manchester, M12 6HG<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 662 | - | 385338 397495 |
| 164 | **Contemporary Trade Directory Entries**<br>Name: Lowbend<br>Location: 95, Temperance Street, Manchester, Lancashire, M12 6HU<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A9NW (SE) | 645 | - | 385393 397555 |
| 164 | **Contemporary Trade Directory Entries**<br>Name: Joe Farrell<br>Location: 93, Temperance Street, Manchester, M12 6HU<br>Classification: Road Haulage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned in the proximity of the address | A9NW (SE) | 666 | - | 385412 397543 |
| 164 | **Contemporary Trade Directory Entries**<br>Name: The Plastic Art Co<br>Location: 92, Temperance Street, Manchester, M12 6HU<br>Classification: Lamination & Encapsulation Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 672 | - | 385416 397539 |
| 165 | **Contemporary Trade Directory Entries**<br>Name: Samkou Export Co<br>Location: 26, Richmond Street, Manchester, M1 3NB<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SE (W) | 649 | - | 384356 397870 |
| 166 | **Contemporary Trade Directory Entries**<br>Name: The Studio Copy Shop<br>Location: 89-95, Oldham Street, Manchester, M4 1LW<br>Classification: T-Shirts<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 654 | - | 384532 398567 |
| 166 | **Contemporary Trade Directory Entries**<br>Name: T Shirt Xpress<br>Location: 89-95, Oldham Street, Manchester, M4 1LW<br>Classification: T-Shirts<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 654 | - | 384532 398567 |
| 166 | **Contemporary Trade Directory Entries**<br>Name: Prime Direct Distribution Ltd<br>Location: 99 Oldham St, Manchester, Lancashire, M4 1LW<br>Classification: Record, Tape & CD Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 658 | - | 384544 398584 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 166 | **Contemporary Trade Directory Entries**<br>Name: Stephs Manufacturing<br>Location: 66 Tib St, Manchester, M4 1LG<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 663 | - | 384515 398564 |
| 166 | **Contemporary Trade Directory Entries**<br>Name: Fern Audio Ltd<br>Location: 70-72, Tib Street, Manchester, M4 1LG<br>Classification: Sound Equipment Systems Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 666 | - | 384522 398575 |
| 167 | **Contemporary Trade Directory Entries**<br>Name: Oblong<br>Location: Aflex Palace, 52, Church Street, Manchester, Lancashire, M4 1PW<br>Classification: Abattoirs<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 658 | - | 384423 398448 |
| 167 | **Contemporary Trade Directory Entries**<br>Name: Sentsations<br>Location: Afflecks Arcade, 35-39, Oldham Street, Manchester, Lancashire, M1 1JG<br>Classification: Perfume Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 658 | - | 384423 398448 |
| 168 | **Contemporary Trade Directory Entries**<br>Name: Express Motors<br>Location: 47-49, Loom Street, Manchester, M4 6AW<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 659 | - | 384959 398753 |
| 169 | **Contemporary Trade Directory Entries**<br>Name: The Studio Workshop<br>Location: Downing Street Indust Est,Charlton Pl, Ardwick, Manchester, M12 6HH<br>Classification: Photographic Equipment & Supplies - Wholesale<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 668 | - | 384995 397388 |
| 169 | **Contemporary Trade Directory Entries**<br>Name: Speedy<br>Location: Unit 1-3, Downing Street Industrial Estate, Charlton Place, Ardwick, Manchester, M12 6HH<br>Classification: Lifting Equipment<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A8SW (S) | 685 | - | 384953 397372 |
| 170 | **Contemporary Trade Directory Entries**<br>Name: U Print<br>Location: Sackville St, Manchester, Lancashire, M1 3NL<br>Classification: Copying & Duplicating Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A7NE (SW) | 668 | - | 384504 397594 |
| 171 | **Contemporary Trade Directory Entries**<br>Name: Freeflow Production<br>Location: 3q Jersey St, Manchester, Lancashire, M4 6JG<br>Classification: Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A18SE (N) | 675 | - | 385182 398742 |
| 172 | **Contemporary Trade Directory Entries**<br>Name: Pdc Manchester<br>Location: 129, Oldham Street, Manchester, M4 1LN<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 677 | - | 384605 398652 |
| 172 | **Contemporary Trade Directory Entries**<br>Name: Pdc (Manchester)<br>Location: 129, Oldham Street, Manchester, M4 1LN<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 677 | - | 384605 398652 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 172 | **Contemporary Trade Directory Entries**<br>Name: Print-Wear Ltd<br>Location: 108 Tib Street, Manchester, Lancashire, M4 1LR<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 687 | - | 384590 398654 |
| 172 | **Contemporary Trade Directory Entries**<br>Name: The White Peg Co<br>Location: 110-112, Tib Street, Manchester, M4 1LR<br>Classification: Laundries & Launderettes<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 689 | - | 384595 398661 |
| 172 | **Contemporary Trade Directory Entries**<br>Name: Berwick Electronics<br>Location: 53, Tib Street, Manchester, M4 1LS<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 699 | - | 384559 398648 |
| 173 | **Contemporary Trade Directory Entries**<br>Name: Kdp (Uk) Ltd<br>Location: 36, Canal Street, Manchester, M1 3WD<br>Classification: Non-Ferrous Metals<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12SE (W) | 678 | - | 384346 397818 |
| 173 | **Contemporary Trade Directory Entries**<br>Name: Neat & Tidy<br>Location: Amazon House, 3, Brazil Street, Manchester, M1 3PJ<br>Classification: Cleaning Services - Domestic<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SE (SW) | 683 | - | 384358 397778 |
| 174 | **Contemporary Trade Directory Entries**<br>Name: Lamb Bros<br>Location: 4, Cakebread Street, Manchester, M12 6HF<br>Classification: Car Body Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 684 | - | 385074 397377 |
| 174 | **Contemporary Trade Directory Entries**<br>Name: Euro Beds<br>Location: Unit 1, Manor Street, Manchester, M12 6HE<br>Classification: Bed & Mattress Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 684 | - | 385074 397377 |
| 174 | **Contemporary Trade Directory Entries**<br>Name: Grand Central Autos<br>Location: 4, Cakebread Street, Manchester, Lancashire, M12 6HF<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 684 | - | 385074 397377 |
| 174 | **Contemporary Trade Directory Entries**<br>Name: Auto Care Manchester<br>Location: 2, Manor Street, Manchester, M12 6HE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 684 | - | 385074 397377 |
| 174 | **Contemporary Trade Directory Entries**<br>Name: Americana International Ltd<br>Location: Tanzaro House, Ardwick Green North, Manchester, Lancashire, M12 6FZ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 715 | - | 385040 397343 |
| 174 | **Contemporary Trade Directory Entries**<br>Name: Equator Vegetarian Foods<br>Location: Progress Centre, Charlton Place, Ardwick, Manchester, Lancashire, M12 6HS<br>Classification: Food Products - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 715 | - | 385040 397343 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 174 | **Contemporary Trade Directory Entries**<br>Name: Blue Com<br>Location: The Mews, Tanzaro House, Charlton Place, Ardwick, Manchester, Lancashire, M12 6HS<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br>**Status:** **Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 715 | - | 385040 397343 |
| 174 | **Contemporary Trade Directory Entries**<br>Name: City Traders Ltd<br>Location: Progress Centre, Charlton Place, Ardwick, Manchester, M12 6HS<br>Classification: Cosmetic Manufacturers<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 715 | - | 385040 397343 |
| 174 | **Contemporary Trade Directory Entries**<br>Name: Aegis Blinds<br>Location: Progress Centre,Charlton Pl, Ardwick, Manchester, Lancashire, M12 6HS<br>Classification: Blinds, Awnings & Canopies<br>**Status:** **Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A8SE (S) | 715 | - | 385040 397343 |
| 174 | **Contemporary Trade Directory Entries**<br>Name: C S O Electronics Ltd<br>Location: Unit 3,Progress Centre,Charlton Pl, Ardwick, Manchester, Lancashire, M12 6HS<br>Classification: Electronic Engineers<br>**Status:** **Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 716 | - | 385040 397342 |
| 175 | **Contemporary Trade Directory Entries**<br>Name: Almedina Motors<br>Location: Unit 15, Victoria Industrial Estate, Pollard Street, Manchester, M4 7AX<br>Classification: Garage Services<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SW (NE) | 695 | - | 385605 398419 |
| 175 | **Contemporary Trade Directory Entries**<br>Name: City Components<br>Location: Unit 9, Victoria Industrial Estate, Pollard Street, Manchester, M4 7AX<br>Classification: Engineers - General<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A14NW (NE) | 699 | - | 385626 398389 |
| 175 | **Contemporary Trade Directory Entries**<br>Name: Mahboob<br>Location: Unit 1a,Victoria Ind Est,Pollard St, Manchester, M4 7AX<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status:** **Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A14NW (NE) | 703 | - | 385632 398386 |
| 176 | **Contemporary Trade Directory Entries**<br>Name: 151 Products Ltd<br>Location: 39, Bengal Street, Manchester, M4 6AF<br>Classification: Distribution Services<br>**Status:** **Active**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 696 | - | 385015 398790 |
| 176 | **Contemporary Trade Directory Entries**<br>Name: Georgia Fashions<br>Location: 1st Floor Waulk Mill,Bengal St, Manchester, M4 6HQ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status:** **Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A18NW (N) | 721 | - | 384974 398815 |
| 177 | **Contemporary Trade Directory Entries**<br>Name: Archmate Ltd<br>Location: Flat 15, Granby House, Granby Row, Manchester, M1 7AR<br>Classification: Rubber & Plastic Products - Manufacturers<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 698 | - | 384447 397612 |
| 178 | **Contemporary Trade Directory Entries**<br>Name: Shaheen Knitwear Ltd<br>Location: 17, Manor Street, Manchester, M12 6HE<br>Classification: Packaging & Wrapping Equipment & Supplies<br>**Status:** **Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 699 | - | 385130 397372 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 178 | **Contemporary Trade Directory Entries**<br>Name: 2 Squared Agency<br>Location: 27, Manor Street, Manchester, Lancashire, M12 6HE<br>Classification: Footwear Manufacturers & Wholesale<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 729 | - | 385107 397337 |
| 179 | **Contemporary Trade Directory Entries**<br>Name: Diamond Trading Co<br>Location: 7-9, Swan Street, Manchester, M4 5JJ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 699 | - | 384619 398687 |
| 180 | **Contemporary Trade Directory Entries**<br>Name: Leaflet Distribution Manchester<br>Location: Portland Tower,Portland Street, Manchester, Lancashire, M1 3LF<br>Classification: Distribution Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A12SW (W) | 700 | - | 384280 397963 |
| 180 | **Contemporary Trade Directory Entries**<br>Name: Scrap A Car For Cash Manchester<br>Location: Portland Tower, Portland Street, Manchester, M1 3LD<br>Classification: Car Breakers & Dismantlers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 700 | - | 384280 397963 |
| 180 | **Contemporary Trade Directory Entries**<br>Name: Debs Europe Liason Office<br>Location: Portland Tower, Portland Street, Manchester, M1 3LD<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 700 | - | 384280 397963 |
| 180 | **Contemporary Trade Directory Entries**<br>Name: Beverley Clifton Morris<br>Location: Portland Tower, Portland Street, Manchester, Lancashire, M1 3LF<br>Classification: Mechanical Engineers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 700 | - | 384280 397963 |
| 180 | **Contemporary Trade Directory Entries**<br>Name: Scrap Cars For Cash Manchester<br>Location: Portland St, Manchester, Lancashire, M1 3LF<br>Classification: Car Breakers & Dismantlers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A12SW (W) | 700 | - | 384280 397963 |
| 181 | **Contemporary Trade Directory Entries**<br>Name: Rentokil Specialist Hygiene<br>Location: Faulkner House, Faulkner Street, Manchester, M1 4DY<br>Classification: Commercial Cleaning Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 706 | - | 384264 398118 |
| 182 | **Contemporary Trade Directory Entries**<br>Name: Made In Manchester Ltd<br>Location: 30a, Poland Street, Manchester, M4 6BH<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 714 | - | 385143 398792 |
| 182 | **Contemporary Trade Directory Entries**<br>Name: Altimo Clothing Co<br>Location: Unit 106, George Leigh Street, Manchester, M4 6BD<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 760 | - | 385142 398839 |
| 182 | **Contemporary Trade Directory Entries**<br>Name: R K Ross & Co Ltd<br>Location: George Leigh Street, Manchester, M4 6BD<br>Classification: Textile Manufacturing<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 760 | - | 385142 398839 |
| 183 | **Contemporary Trade Directory Entries**<br>Name: Direct Janitorial Supplies<br>Location: 52-54, Oldham Road, Manchester, M4 5EE<br>Classification: Cleaning Materials & Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 721 | - | 384807 398792 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 183 | **Contemporary Trade Directory Entries**<br>Name: Advanced Commercial Kitchens Ltd<br>Location: 60, Oldham Road, Manchester, M4 5EE<br>Classification: Catering Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 728 | - | 384827 398804 |
| 184 | **Contemporary Trade Directory Entries**<br>Name: W H Hammond & Co (Manchester) Ltd<br>Location: 58, Richmond Street, Manchester, M1 3WB<br>Classification: Soft Furnishings - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 728 | - | 384296 397807 |
| 185 | **Contemporary Trade Directory Entries**<br>Name: Cooneen Textiles Ltd<br>Location: Unit 1, Dark Lane, Manchester, M12 6FA<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 731 | - | 385534 397568 |
| 185 | **Contemporary Trade Directory Entries**<br>Name: Kea Designer Sportswear<br>Location: Unit 1, Dark Lane, Manchester, Lancashire, M12 6FA<br>Classification: Leisure & Sportswear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 731 | - | 385534 397568 |
| 186 | **Contemporary Trade Directory Entries**<br>Name: Luton Engineering Services<br>Location: 6 Swan St, Manchester, Lancashire, M4 5JN<br>Classification: Engineering Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 735 | - | 384624 398732 |
| 186 | **Contemporary Trade Directory Entries**<br>Name: Unique Design Ltd<br>Location: 19-23, Swan Street, Manchester, M4 5JJ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 747 | - | 384578 398718 |
| 187 | **Contemporary Trade Directory Entries**<br>Name: Platting Pallets<br>Location: Oldham Rd, Manchester, M4 5FG<br>Classification: Pallets, Crates & Packing Cases<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A18NW (N) | 736 | - | 384754 398792 |
| 187 | **Contemporary Trade Directory Entries**<br>Name: Trade N Save<br>Location: 27-31 Oldham Rd, Manchester, M4 5FG<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A18NW (N) | 739 | - | 384764 398798 |
| 187 | **Contemporary Trade Directory Entries**<br>Name: Saira Ltd<br>Location: 4 Addington St, Manchester, Lancashire, M4 5FQ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A18NW (N) | 760 | - | 384694 398794 |
| 187 | **Contemporary Trade Directory Entries**<br>Name: Kwik-Fit<br>Location: 35-39, Oldham Road, Manchester, M4 5FG<br>Classification: Exhaust & Shock Absorber Centres<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 763 | - | 384737 398814 |
| 187 | **Contemporary Trade Directory Entries**<br>Name: Fiats 4 U<br>Location: 35-39, Oldham Road, Manchester, Lancashire, M4 5FG<br>Classification: Car Component Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 763 | - | 384737 398814 |
| 188 | **Contemporary Trade Directory Entries**<br>Name: Autocare M O T Ltd<br>Location: 86-87, Temperance Street, Manchester, M12 6HU<br>Classification: Mot Testing Centres<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 742 | - | 385477 397498 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 189 | **Contemporary Trade Directory Entries**<br>Name: Norman Disney & Young<br>Location: St. James House, 7, Charlotte Street, Manchester, Lancashire, M1 4DZ<br>Classification: Mechanical Engineers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NW (W) | 743 | - | 384227 398079 |
| 190 | **Contemporary Trade Directory Entries**<br>Name: Le Missey Ltd<br>Location: 10-20, Grosvenor Street, Manchester, Lancashire, M1 7JJ<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A8SW (S) | 744 | - | 384785 397340 |
| 191 | **Contemporary Trade Directory Entries**<br>Name: James Darby<br>Location: The Deaprtment Store, 1-7, Oak Street, Manchester, Lancashire, M4 5JD<br>Classification: Shirt Makers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 746 | - | 384437 398605 |
| 191 | **Contemporary Trade Directory Entries**<br>Name: The Print Room<br>Location: 46, Edge Street, Manchester, M4 1HN<br>Classification: Screen Process Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 761 | - | 384422 398611 |
| 191 | **Contemporary Trade Directory Entries**<br>Name: Seed Ceramics<br>Location: Studio 14, Manchester Craft Centre, 17, Oak Street, Manchester, Lancashire, M4 5JD<br>Classification: Ceramic Manufacturers, Supplies & Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 777 | - | 384454 398663 |
| 191 | **Contemporary Trade Directory Entries**<br>Name: Tracey Birchwood<br>Location: Manchester Craft Centre,Oak St, Manchester, Lancashire, M4 5JD<br>Classification: Ceramic Manufacturers, Supplies & Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 777 | - | 384453 398662 |
| 191 | **Contemporary Trade Directory Entries**<br>Name: Taylor & Galvin<br>Location: 46-48, Copperas Street, Manchester, M4 1HS<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 783 | - | 384434 398652 |
| 192 | **Contemporary Trade Directory Entries**<br>Name: House Of Ethnic Foods Ltd<br>Location: Unit 12, City Court Trading Estate, Poland Street, Manchester, M4 6AL<br>Classification: Food Products - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 751 | - | 385198 398816 |
| 193 | **Contemporary Trade Directory Entries**<br>Name: New Deal Skates<br>Location: 51 Turner St, Manchester, M4 1DN<br>Classification: Leisure & Sportswear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 752 | - | 384389 398560 |
| 193 | **Contemporary Trade Directory Entries**<br>Name: True Brand International<br>Location: 51, Turner Street, Manchester, Lancashire, M4 1DN<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 752 | - | 384389 398560 |
| 193 | **Contemporary Trade Directory Entries**<br>Name: Brookley Ltd<br>Location: 43-45 Turner St, Manchester, M4 1DN<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 762 | - | 384380 398564 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 193 | **Contemporary Trade Directory Entries**<br>Name: Fashion Row Manchester Ltd<br>Location: 43-45 Turner St, Manchester, M4 1DN<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 762 | - | 384380 398564 |
| 194 | **Contemporary Trade Directory Entries**<br>Name: S K P<br>Location: Unit 5a Victoria Indust Est,Pollard St, Manchester, M4 7AX<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A14NE (NE) | 753 | - | 385689 398380 |
| 195 | **Contemporary Trade Directory Entries**<br>Name: Taylor Edwards & Co<br>Location: Royal Buildings, 2, Mosley Street, Manchester, Lancashire, M2 3AN<br>Classification: Gas Companies<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NW (W) | 755 | - | 384259 398336 |
| 196 | **Contemporary Trade Directory Entries**<br>Name: M & S Jaffe Ltd<br>Location: 8, Cable Street, Manchester, M4 5EG<br>Classification: Furniture Manufacturers - Home & Office<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (NW) | 759 | - | 384658 398777 |
| 196 | **Contemporary Trade Directory Entries**<br>Name: Associated Security Services<br>Location: Security House, 25, Addington Street, Manchester, M4 5EU<br>Classification: Safes & Vaults - Suppliers & Installers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 799 | - | 384631 398808 |
| 196 | **Contemporary Trade Directory Entries**<br>Name: Barkat Knitwear Manufacturing Co Ltd<br>Location: Cable St, Manchester, Lancashire, M4 5DF<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A17NE (NW) | 825 | - | 384586 398814 |
| 196 | **Contemporary Trade Directory Entries**<br>Name: E & A Auto Services<br>Location: 15 Cable St, Manchester, Lancashire, M4 5EG<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A17NE (NW) | 829 | - | 384584 398817 |
| 196 | **Contemporary Trade Directory Entries**<br>Name: County Panels<br>Location: 55, Cable Street, Manchester, M4 5DF<br>Classification: Window Frame Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 835 | - | 384604 398834 |
| 196 | **Contemporary Trade Directory Entries**<br>Name: A V S Knitwear Ltd<br>Location: 55, Cable Street, Manchester, Lancashire, M4 5DF<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17NE (NW) | 835 | - | 384604 398834 |
| 196 | **Contemporary Trade Directory Entries**<br>Name: U K Panel<br>Location: 55, Cable Street, Manchester, Lancashire, M4 5DF<br>Classification: PVC-U Products - Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17NE (NW) | 835 | - | 384604 398834 |
| 197 | **Contemporary Trade Directory Entries**<br>Name: Maronixardwick<br>Location: 50 Downing St, Manchester, Lancashire, M1 7JE<br>Classification: Commercial Cleaning Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A8SW (S) | 764 | - | 384911 397296 |
| 198 | **Contemporary Trade Directory Entries**<br>Name: Print 4 Less<br>Location: 111, George Leigh Street, Manchester, M4 6BE<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 772 | - | 385074 398862 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 198 | **Contemporary Trade Directory Entries**<br>Name: A W Bag Manufacturers<br>Location: 84, Silk Street, Manchester, M4 6BJ<br>Classification: Bags, Belts & Accessories - Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 779 | - | 385068 398870 |
| 198 | **Contemporary Trade Directory Entries**<br>Name: Cleaning Services (Manchester)<br>Location: 82, Silk Street, Manchester, M4 6BJ<br>Classification: Cleaning Services - Commercial<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 779 | - | 385068 398870 |
| 198 | **Contemporary Trade Directory Entries**<br>Name: World Of Cleaning Ltd<br>Location: 82, Silk Street, Manchester, M4 6BJ<br>Classification: Cleaning Services - Commercial<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 779 | - | 385068 398870 |
| 198 | **Contemporary Trade Directory Entries**<br>Name: World Of Cleaning Ltd<br>Location: 82, Silk Street, Manchester, M4 6BJ<br>Classification: Commercial Cleaning Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 779 | - | 385068 398870 |
| 199 | **Contemporary Trade Directory Entries**<br>Name: T Brown & Son<br>Location: Primrose St,Off Oldham Rd, Manchester, M4 6AG<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A18NE (N) | 775 | - | 384991 398870 |
| 200 | **Contemporary Trade Directory Entries**<br>Name: K H Cabs Repair & Servicing<br>Location: Mill Green St, Manchester, Lancashire, M12 6FB<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A9NW (SE) | 776 | - | 385583 397556 |
| 200 | **Contemporary Trade Directory Entries**<br>Name: Choudhary Manufacturing Co Ltd<br>Location: Dark Lane, Manchester, M12 6FA<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 792 | - | 385573 397521 |
| 201 | **Contemporary Trade Directory Entries**<br>Name: Spi Materials<br>Location: 105 Princess St, Manchester, Lancashire, M1 6DD<br>Classification: Electricity Companies<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12SW (W) | 781 | - | 384240 397804 |
| 202 | **Contemporary Trade Directory Entries**<br>Name: Price<br>Location: Market St, Manchester, Lancashire, M60 1TA<br>Classification: Cutlery Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A12NW (NW) | 783 | - | 384250 398390 |
| 202 | **Contemporary Trade Directory Entries**<br>Name: Belleek Pottery Ltd<br>Location: Market St, Manchester, Lancashire, M60 1TA<br>Classification: Pottery Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A12NW (NW) | 789 | - | 384244 398393 |
| 203 | **Contemporary Trade Directory Entries**<br>Name: 1st Central Locksmiths<br>Location: 51-55, Oldham Road, Manchester, M4 5FS<br>Classification: Safes & Vaults - Suppliers & Installers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 784 | - | 384816 398859 |
| 204 | **Contemporary Trade Directory Entries**<br>Name: William Chitham<br>Location: 121, Princess Street, Manchester, M1 7AD<br>Classification: Photo & Digital Imaging Bureaus<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 785 | - | 384333 397620 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 204 | **Contemporary Trade Directory Entries**<br>Name: Harris Darkrooms<br>Location: 121, Princess Street, Manchester, M1 7AD<br>Classification: Photographic Processors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NE (SW) | 785 | - | 384333 397620 |
| 204 | **Contemporary Trade Directory Entries**<br>Name: Subway<br>Location: Second Floor, 121, Princess Street, Manchester, Lancashire, M1 7AG<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A7NE (SW) | 785 | - | 384333 397620 |
| 204 | **Contemporary Trade Directory Entries**<br>Name: Chamber Communication Ltd<br>Location: 121, Princess Street, Manchester, Lancashire, M1 7AG<br>Classification: Telecommunications Equipment & Systems<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A7NE (SW) | 785 | - | 384333 397620 |
| 204 | **Contemporary Trade Directory Entries**<br>Name: Northern Contract Cleaners<br>Location: Asia House, 82, Princess Street, Manchester, M1 6NF<br>Classification: Cleaning Services - Commercial<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 821 | - | 384288 397624 |
| 204 | **Contemporary Trade Directory Entries**<br>Name: Broomwell Healthwatch Ltd<br>Location: 86, Princess Street, Manchester, Lancashire, M1 6NG<br>Classification: Medical & Dental Laboratories<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A7NW (SW) | 839 | - | 384297 397578 |
| 204 | **Contemporary Trade Directory Entries**<br>Name: Seba (Uk) Ltd<br>Location: 84 Princess St, Manchester, Lancashire, M1 6NG<br>Classification: Machine Tool Accessories & Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A7NW (SW) | 840 | - | 384296 397577 |
| 205 | **Contemporary Trade Directory Entries**<br>Name: Ged Crewe Ltd<br>Location: 114, Oldham Road, Manchester, M4 6AG<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 791 | - | 384980 398886 |
| 205 | **Contemporary Trade Directory Entries**<br>Name: Badger<br>Location: Oldham Rd, Manchester, M4 6AG<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A18NW (N) | 824 | - | 384966 398918 |
| 206 | **Contemporary Trade Directory Entries**<br>Name: Scootabout International<br>Location: 101, Princess Street, Manchester, Lancashire, M1 6DD<br>Classification: Materials Handling Equipment<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12SW (W) | 793 | - | 384208 397860 |
| 206 | **Contemporary Trade Directory Entries**<br>Name: Licence Trade Consultants<br>Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE<br>Classification: Brewers' Equipment & Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12SW (W) | 834 | - | 384170 397844 |
| 206 | **Contemporary Trade Directory Entries**<br>Name: Northern Consultancy Of Medical Management Ltd<br>Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE<br>Classification: Medical & Dental Laboratories<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12SW (W) | 834 | - | 384170 397844 |
| 206 | **Contemporary Trade Directory Entries**<br>Name: R S I S Projects Ltd<br>Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE<br>Classification: Railways<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12SW (W) | 834 | - | 384170 397844 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 206 | **Contemporary Trade Directory Entries**<br>Name: Patriot Advertising Solutions<br>Location: Imex House, 40, Princess Street, Manchester, M1 6DE<br>Classification: Distribution Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 834 | - | 384170 397844 |
| 206 | **Contemporary Trade Directory Entries**<br>Name: Dunbar & Boardman Partnership<br>Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE<br>Classification: Lift Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 834 | - | 384170 397844 |
| 206 | **Contemporary Trade Directory Entries**<br>Name: London Global<br>Location: 40 Princess St, Manchester, Lancashire, M1 6DE<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A12SW (W) | 834 | - | 384170 397844 |
| 207 | **Contemporary Trade Directory Entries**<br>Name: Gerards Ltd<br>Location: William St, Ardwick, Manchester, M12 5FX<br>Classification: Ice Cream Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A9NW (SE) | 797 | - | 385639 397593 |
| 208 | **Contemporary Trade Directory Entries**<br>Name: Marc Ltd<br>Location: 28-30, Edge Street, Manchester, M4 1HN<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 804 | - | 384399 398647 |
| 208 | **Contemporary Trade Directory Entries**<br>Name: Brucella Tait<br>Location: First Floor, 40, Thomas Street, Manchester, M4 1ER<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 806 | - | 384366 398617 |
| 208 | **Contemporary Trade Directory Entries**<br>Name: David Ellis<br>Location: First Floor, 40, Thomas Street, Manchester, M4 1ER<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 806 | - | 384366 398617 |
| 208 | **Contemporary Trade Directory Entries**<br>Name: Why Publications<br>Location: 40, Thomas Street, Manchester, Lancashire, M4 1ER<br>Classification: Distribution Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 806 | - | 384366 398617 |
| 208 | **Contemporary Trade Directory Entries**<br>Name: Mehta & Mehta Ltd<br>Location: 38, Thomas Street, Manchester, M4 1ER<br>Classification: Children & Babywear - Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 811 | - | 384363 398621 |
| 208 | **Contemporary Trade Directory Entries**<br>Name: Gyroscope Ltd<br>Location: 30-32, Thomas Street, Manchester, Lancashire, M4 1ER<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 835 | - | 384349 398642 |
| 209 | **Contemporary Trade Directory Entries**<br>Name: Questbond Ltd<br>Location: Unit 5, City Court Trading Estate, Poland Street, Ancoats, Manchester, M4 6AL<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 811 | - | 385215 398874 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 210 | **Contemporary Trade Directory Entries**<br>Name: Baxter Diesel Service<br>Location: 80, Temperance Street, Manchester, M12 6HU<br>Classification: Fuel Injection Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 815 | - | 385540 397456 |
| 211 | **Contemporary Trade Directory Entries**<br>Name: Johnson Cleaners (Uk) Ltd<br>Location: 24, High Street, Manchester, M4 1QB<br>Classification: Dry Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SW (NW) | 818 | - | 384256 398483 |
| 212 | **Contemporary Trade Directory Entries**<br>Name: Oakland Fabrics Ltd<br>Location: 44, George Street, Manchester, M1 4HF<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 820 | - | 384149 398085 |
| 212 | **Contemporary Trade Directory Entries**<br>Name: Sofas4u<br>Location: George House, 48, George Street, Manchester, Lancashire, M1 4HF<br>Classification: Furniture - Reproduction<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12SW (W) | 830 | - | 384140 398073 |
| 212 | **Contemporary Trade Directory Entries**<br>Name: Prontaprint<br>Location: 71a, Mosley Street, Manchester, M2 3JN<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 863 | - | 384107 398094 |
| 212 | **Contemporary Trade Directory Entries**<br>Name: Prontaprint<br>Location: 71a, Mosley Street, Manchester, M2 3JN<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 864 | - | 384105 398090 |
| 213 | **Contemporary Trade Directory Entries**<br>Name: Univick Ltd<br>Location: Ardwick Green North, Manchester, M12 6FZ<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A8SE (S) | 820 | - | 385190 397262 |
| 214 | **Contemporary Trade Directory Entries**<br>Name: Isocleanse Ltd<br>Location: The Works Business Centre,5 Union St, Ardwick, Manchester, Lancashire, M12 4JD<br>Classification: Commercial Cleaning Services<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A9SW (SE) | 823 | - | 385436 397367 |
| 214 | **Contemporary Trade Directory Entries**<br>Name: Ici Caldaie Ltd<br>Location: The Works,5 Union St, Ardwick, Manchester, Lancashire, M12 4JD<br>Classification: Boiler Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A9SW (SE) | 841 | - | 385467 397366 |
| 214 | **Contemporary Trade Directory Entries**<br>Name: Siptel<br>Location: Union St, Ardwick, Manchester, Lancashire, M12 4JD<br>Classification: Telecommunications Equipment & Systems<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A9SW (SE) | 851 | - | 385464 397352 |
| 215 | **Contemporary Trade Directory Entries**<br>Name: Gerards Ice Cream Ltd<br>Location: William Street, Ardwick, Manchester, M12 5FX<br>Classification: Ice Cream Manufacturers & Suppliers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9NE (SE) | 833 | - | 385695 397611 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 216 | **Contemporary Trade Directory Entries**<br>Name: Bestfellow Ltd<br>Location: Unit 3 Poland Ind Est,29 Poland St, Manchester, M4 6AZ<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A18NE (N) | 834 | - | 385157 398912 |
| 217 | **Contemporary Trade Directory Entries**<br>Name: C & S<br>Location: 2-4, Goulden Street, Manchester, M4 5EW<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NW (N) | 840 | - | 384704 398885 |
| 218 | **Contemporary Trade Directory Entries**<br>Name: Tyrewise<br>Location: 8-10, Kale Street, Manchester, M13 9XG<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 841 | - | 384986 397215 |
| 218 | **Contemporary Trade Directory Entries**<br>Name: Crescent Auto Centre Ltd<br>Location: 29, Wadeson Road, Manchester, M13 9UG<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 841 | - | 384986 397215 |
| 218 | **Contemporary Trade Directory Entries**<br>Name: Halfords Autocentre<br>Location: 22-24, Ardwick Green South, Manchester, M13 9XE<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 851 | - | 385025 397206 |
| 218 | **Contemporary Trade Directory Entries**<br>Name: Westwood Security Shutters Ltd<br>Location: 24, Ardwick Green South, Manchester, Lancashire, M13 9XE<br>Classification: Roller Shutter Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A8SE (S) | 851 | - | 385025 397206 |
| 219 | **Contemporary Trade Directory Entries**<br>Name: E & A Auto Services<br>Location: 15 Cable St, Ancoats, Manchester, Lancs, M4 5EG<br>Classification: Mot Testing Centres<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A17NE (NW) | 850 | - | 384566 398831 |
| 219 | **Contemporary Trade Directory Entries**<br>Name: Uk Panel<br>Location: 55, Cable Street, Manchester, Lancashire, M4 5DF<br>Classification: PVC-U Products - Manufacturers & Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17NE (NW) | 888 | - | 384518 398847 |
| 219 | **Contemporary Trade Directory Entries**<br>Name: Instep<br>Location: 55, Cable Street, Manchester, Lancashire, M4 5DF<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17NE (NW) | 888 | - | 384518 398847 |
| 219 | **Contemporary Trade Directory Entries**<br>Name: Fashion Mania<br>Location: 13, Mason Street, Manchester, M4 5FT<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 890 | - | 384549 398867 |
| 219 | **Contemporary Trade Directory Entries**<br>Name: Mash Fashions<br>Location: 13, Mason Street, Manchester, M4 5FT<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 890 | - | 384549 398867 |
| 219 | **Contemporary Trade Directory Entries**<br>Name: New Faz Fashions<br>Location: 13, Mason Street, Manchester, M4 5FT<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 890 | - | 384549 398867 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 219 | **Contemporary Trade Directory Entries**<br>Name: Milano Knitting Co<br>Location: 13, Mason Street, Manchester, M4 5FT<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 890 | - | 384549 398867 |
| 219 | **Contemporary Trade Directory Entries**<br>Name: Daisy Fashions Ltd<br>Location: 13, Mason Street, Manchester, M4 5FT<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 890 | - | 384549 398867 |
| 219 | **Contemporary Trade Directory Entries**<br>Name: Mcewen<br>Location: 13, Mason Street, Manchester, M4 5FT<br>Classification: Engineers - General<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 890 | - | 384549 398867 |
| 220 | **Contemporary Trade Directory Entries**<br>Name: Kayani<br>Location: 28, Mason Street, Manchester, M4 5EY<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 852 | - | 384625 398864 |
| 220 | **Contemporary Trade Directory Entries**<br>Name: W A S P Studios<br>Location: 30a, Mason Street, Manchester, M4 5EY<br>Classification: T-Shirts<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 881 | - | 384629 398898 |
| 220 | **Contemporary Trade Directory Entries**<br>Name: Euro Clothing<br>Location: 30a, Mason Street, Manchester, M4 5EY<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 881 | - | 384629 398898 |
| 220 | **Contemporary Trade Directory Entries**<br>Name: Al-Katib Technology<br>Location: 30a, Mason Street, Manchester, Lancashire, M4 5EY<br>Classification: Electronic Equipment - Manufacturers & Assemblers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17NE (NW) | 881 | - | 384629 398898 |
| 220 | **Contemporary Trade Directory Entries**<br>Name: Tamora Fashions<br>Location: 30 Mason St, Manchester, M4 5EY<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17NE (NW) | 881 | - | 384628 398898 |
| 220 | **Contemporary Trade Directory Entries**<br>Name: Diana Design<br>Location: A, 30, Mason Street, Manchester, Lancashire, M4 5EY<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 881 | - | 384629 398898 |
| 220 | **Contemporary Trade Directory Entries**<br>Name: Alterlist Ltd<br>Location: 32, Mason Street, Manchester, M4 5EY<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 888 | - | 384637 398909 |
| 220 | **Contemporary Trade Directory Entries**<br>Name: New Fashion<br>Location: 32, Mason Street, Manchester, M4 5EY<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 888 | - | 384637 398909 |
| 220 | **Contemporary Trade Directory Entries**<br>Name: Fax Tip Ltd<br>Location: 32, Mason Street, Manchester, M4 5EY<br>Classification: Bags, Belts & Accessories - Manufacturers & Suppliers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 888 | - | 384637 398909 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 221 | **Contemporary Trade Directory Entries**<br>Name: Hayes Of Manchester<br>Location: 29, Wadeson Road, Manchester, M13 9UG<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned in the proximity of the address | A8SW (S) | 856 | - | 384937 397201 |
| 222 | **Contemporary Trade Directory Entries**<br>Name: Hub Interiors<br>Location: Unit 11, Crown Industrial Estate, Poland Street, Manchester, M4 6BN<br>Classification: Office Furniture & Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 861 | - | 385173 398936 |
| 222 | **Contemporary Trade Directory Entries**<br>Name: Screen Print Ltd<br>Location: Unit 1-2,Crown Ind Est,Poland St, Manchester, M4 6BN<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A18NE (N) | 883 | - | 385142 398964 |
| 222 | **Contemporary Trade Directory Entries**<br>Name: Crown Chips<br>Location: Unit 4,Crown Ind Est,Poland St, Manchester, M4 6BN<br>Classification: Food Products - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A18NE (N) | 883 | - | 385142 398964 |
| 222 | **Contemporary Trade Directory Entries**<br>Name: Ptek Ltd<br>Location: Unit 5, Crown Industrial Estate, Poland Street, Manchester, M4 6BN<br>Classification: Cleaning Materials & Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 884 | - | 385143 398965 |
| 222 | **Contemporary Trade Directory Entries**<br>Name: Aspect Furniture Ltd<br>Location: Unit 4, Crown Industrial Estate, Poland Street, MANCHESTER, M4 6BN<br>Classification: Office Furniture & Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 884 | - | 385143 398965 |
| 223 | **Contemporary Trade Directory Entries**<br>Name: We Print Group<br>Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned within the geographical locality | A12NW (W) | 867 | - | 384112 398208 |
| 223 | **Contemporary Trade Directory Entries**<br>Name: Msl Interiors<br>Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN<br>Classification: Office Furniture & Equipment<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 867 | - | 384112 398208 |
| 223 | **Contemporary Trade Directory Entries**<br>Name: Fast Carpet Cleaners<br>Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN<br>Classification: Carpet, Curtain & Upholstery Cleaners<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 867 | - | 384112 398208 |
| 223 | **Contemporary Trade Directory Entries**<br>Name: Project Print Solutions Ltd<br>Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN<br>Classification: Printers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 867 | - | 384112 398208 |
| 224 | **Contemporary Trade Directory Entries**<br>Name: Pulse Laser Hairaesthetics<br>Location: 18-20, Fountain Street, Manchester, M2 2AA<br>Classification: Electrolysis<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 871 | - | 384140 398346 |
| 224 | **Contemporary Trade Directory Entries**<br>Name: Calvin Assett Management Ltd<br>Location: 19, Spring Gardens, Manchester, M2 1FB<br>Classification: Meter Manufacturers & Suppliers<br>**Status: Active**<br>Positional Accuracy: Manually positioned within the geographical locality | A12NW (W) | 902 | - | 384111 398358 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 225 | **Contemporary Trade Directory Entries**<br>Name: Tom Blackburns Garage Ltd<br>Location: 74, North Western Street, Manchester, M12 6DX<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 875 | - | 385607 397436 |
| 225 | **Contemporary Trade Directory Entries**<br>Name: Kendall & Roberts<br>Location: 72, North Western Street, Manchester, M12 6DX<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 897 | - | 385623 397423 |
| 225 | **Contemporary Trade Directory Entries**<br>Name: Ventella & Harrison<br>Location: 72, Temperance Street, Manchester, M12 6HU<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned in the proximity of the address | A9NW (SE) | 899 | - | 385611 397407 |
| 225 | **Contemporary Trade Directory Entries**<br>Name: A 2 B Logistics<br>Location: 72 Temperance St, Manchester, Lancashire, M12 6HU<br>Classification: Road Haulage Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A9NW (SE) | 899 | - | 385610 397406 |
| 225 | **Contemporary Trade Directory Entries**<br>Name: D C M Services<br>Location: 72, Temperance Street, Manchester, Lancashire, M12 6HU<br>Classification: Recycling Centres<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 899 | - | 385611 397407 |
| 225 | **Contemporary Trade Directory Entries**<br>Name: Platton Pallets<br>Location: North Western St, Manchester, M12 6DX<br>Classification: Pallets, Crates & Packing Cases<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A9NW (SE) | 902 | - | 385632 397424 |
| 225 | **Contemporary Trade Directory Entries**<br>Name: Big Tread Tyres Ltd<br>Location: Unit 87 North Western Street, Ardwick, Manchester, Lancashire, M12 6HU<br>Classification: Tyre Repairs & Retreading<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A9NW (SE) | 903 | - | 385633 397424 |
| 225 | **Contemporary Trade Directory Entries**<br>Name: Hosler Motors<br>Location: 70-71, North Western Street, Manchester, M12 6DX<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NW (SE) | 913 | - | 385635 397411 |
| 225 | **Contemporary Trade Directory Entries**<br>Name: Emptymybins<br>Location: 70, Temperance Street, Manchester, M12 6HU<br>Classification: Waste Disposal Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 920 | - | 385627 397393 |
| 226 | **Contemporary Trade Directory Entries**<br>Name: Richard Conrad & Co Ltd<br>Location: 36-38, Fountain Street, Manchester, M2 2BE<br>Classification: Office Furniture & Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 879 | - | 384114 398283 |
| 227 | **Contemporary Trade Directory Entries**<br>Name: Frames R W<br>Location: Stubbs Mill,Piercy St, Ancoates, Manchester, Lancs, SK4 1QE<br>Classification: Furniture Manufacturers - Home & Office<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A19SE (NE) | 883 | - | 385717 398596 |
| 227 | **Contemporary Trade Directory Entries**<br>Name: R W Frames<br>Location: 10, Piercy Street, Manchester, M4 6FB<br>Classification: Furniture Manufacturers - Home & Office<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SE (NE) | 884 | - | 385718 398596 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 227 | **Contemporary Trade Directory Entries**<br>Name: K J Goldstraw & Sons<br>Location: 10, Piercy Street, Manchester, M4 6FB<br>Classification: Road Haulage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SE (NE) | 884 | - | 385718 398596 |
| 227 | **Contemporary Trade Directory Entries**<br>Name: Haji & Co<br>Location: 10, Piercy Street, Manchester, M4 6FB<br>Classification: Textile Manufacturing<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SE (NE) | 884 | - | 385718 398596 |
| 228 | **Contemporary Trade Directory Entries**<br>Name: V T G<br>Location: Gainsborough House, 109, Portland Street, Manchester, Lancashire, M1 6DN<br>Classification: Lift Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12SW (W) | 883 | - | 384124 397827 |
| 228 | **Contemporary Trade Directory Entries**<br>Name: Operations Abroad Ltd<br>Location: Gainsborough House, 109, Portland Street, Manchester, M1 6DN<br>Classification: Hospitals<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12SW (W) | 883 | - | 384124 397827 |
| 229 | **Contemporary Trade Directory Entries**<br>Name: Euro Clothing<br>Location: Mason St, Manchester, M4 5EY<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A17NE (NW) | 888 | - | 384603 398894 |
| 229 | **Contemporary Trade Directory Entries**<br>Name: Eden Fashions Ltd<br>Location: 53, Marshall Street, Manchester, M4 5FU<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 920 | - | 384570 398913 |
| 229 | **Contemporary Trade Directory Entries**<br>Name: Two Star Fashions Ltd<br>Location: 53, Marshall Street, Manchester, M4 5FU<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 920 | - | 384570 398913 |
| 230 | **Contemporary Trade Directory Entries**<br>Name: B J Products Shavers & Spares<br>Location: 5, Nicholas Croft, Manchester, M4 1EY<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SW (NW) | 895 | - | 384282 398656 |
| 231 | **Contemporary Trade Directory Entries**<br>Name: Mels<br>Location: 2, Stockland Close, Manchester, M13 9WY<br>Classification: Ironing & Home Laundry Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A8SW (S) | 896 | - | 384713 397202 |
| 232 | **Contemporary Trade Directory Entries**<br>Name: Business Equipment & Scales Service Ltd<br>Location: 9, Thomas Street, Manchester, M4 1EU<br>Classification: Cash Registers & Check-Out Equipment<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 898 | - | 384326 398708 |
| 232 | **Contemporary Trade Directory Entries**<br>Name: 1st Call Locksmiths Services<br>Location: 3, Soap Street, Manchester, M4 1EW<br>Classification: Lock Suppliers and Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SW (NW) | 910 | - | 384297 398695 |
| 232 | **Contemporary Trade Directory Entries**<br>Name: H J Barton<br>Location: 60, Shudehill, Manchester, M4 4AA<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 918 | - | 384339 398749 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 232 | **Contemporary Trade Directory Entries**<br>Name: Royle & Davies<br>Location: 60, Shudehill, Manchester, M4 4AA<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SE (NW) | 918 | - | 384339 398749 |
| 232 | **Contemporary Trade Directory Entries**<br>Name: G Stevenson<br>Location: 60, Shudehill, Manchester, Lancashire, M4 4AA<br>Classification: Jewellery Manufacturers & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A17SE (NW) | 918 | - | 384339 398749 |
| 233 | **Contemporary Trade Directory Entries**<br>Name: The Dot Factory Ltd<br>Location: Jubilee House, 10, Durling Street, Manchester, M12 6FS<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 898 | - | 385346 397234 |
| 234 | **Contemporary Trade Directory Entries**<br>Name: Ops International Ltd<br>Location: Brook House, 64-72, Spring Gardens, Manchester, M2 2BQ<br>Classification: Oil Companies<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 902 | - | 384072 398164 |
| 235 | **Contemporary Trade Directory Entries**<br>Name: Xenos Clothing<br>Location: 60-64, Swan Street, Manchester, M4 5JU<br>Classification: Children & Babywear - Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 905 | - | 384488 398848 |
| 235 | **Contemporary Trade Directory Entries**<br>Name: N Q Fireplace Studio<br>Location: 60-64, Swan Street, Manchester, Lancashire, M4 5JU<br>Classification: Fireplaces & Mantelpieces<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 905 | - | 384488 398848 |
| 235 | **Contemporary Trade Directory Entries**<br>Name: Gavidero Clothing Co<br>Location: 68, Swan Street, Manchester, M4 5JU<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 914 | - | 384481 398854 |
| 235 | **Contemporary Trade Directory Entries**<br>Name: Dallas Knitwear Manchester Ltd<br>Location: 2, Rochdale Road, Manchester, M4 4JR<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 923 | - | 384487 398869 |
| 235 | **Contemporary Trade Directory Entries**<br>Name: A1 Knitwear Ltd<br>Location: 2, Rochdale Road, Manchester, M4 4JR<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 923 | - | 384487 398869 |
| 235 | **Contemporary Trade Directory Entries**<br>Name: Readyplus Ltd<br>Location: 2, Rochdale Road, Manchester, M4 4JR<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 923 | - | 384487 398869 |
| 235 | **Contemporary Trade Directory Entries**<br>Name: Readyplus<br>Location: 2, Rochdale Road, Manchester, Lancashire, M4 4JR<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 923 | - | 384487 398869 |
| 236 | **Contemporary Trade Directory Entries**<br>Name: Autolink<br>Location: Chancellor Lane, Manchester, M12 6JZ<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NE (SE) | 910 | - | 385691 397476 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 236 | **Contemporary Trade Directory Entries**<br>Name: Total<br>Location: Chancellor Lane, Manchester, M12 6JZ<br>Classification: Petrol Filling Stations<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NE (SE) | 910 | - | 385691 397476 |
| 236 | **Contemporary Trade Directory Entries**<br>Name: Gatewear<br>Location: 60, Temperance Street, Manchester, Lancashire, M12 6DP<br>Classification: Gate Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NE (SE) | 910 | - | 385691 397476 |
| 236 | **Contemporary Trade Directory Entries**<br>Name: West Way Nissan<br>Location: Chancellor Lane, Ardwick, Manchester, Lancashire, M12 6JZ<br>Classification: Car Dealers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9NE (SE) | 910 | - | 385691 397476 |
| 237 | **Contemporary Trade Directory Entries**<br>Name: Universal Utilities<br>Location: Third Floor, Tootal House, 19-21, Spring Gardens, Manchester, M2 1FB<br>Classification: Gas Suppliers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 911 | - | 384093 398331 |
| 237 | **Contemporary Trade Directory Entries**<br>Name: Octapharma Ltd<br>Location: The Zenith Building, 26, Spring Gardens, Manchester, Lancashire, M2 1AB<br>Classification: Pharmaceutical Manufacturers & Distributors<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the address or location | A12NW (W) | 955 | - | 384054 398354 |
| 237 | **Contemporary Trade Directory Entries**<br>Name: M60 Rescue & Recovery<br>Location: 406 St James Ct,Brown St, Manchester, Lancashire, M2 2JG<br>Classification: Commercial Vehicle Breakdown & Recovery Services<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A12NW (W) | 978 | - | 384026 398341 |
| 237 | **Contemporary Trade Directory Entries**<br>Name: Anywaste Uk<br>Location: St. James Court, 30, Brown Street, Manchester, M2 1DH<br>Classification: Waste Disposal Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 993 | - | 384013 398350 |
| 237 | **Contemporary Trade Directory Entries**<br>Name: Wastelift<br>Location: St. James Court, 30, Brown Street, Manchester, M2 1DH<br>Classification: Waste Disposal Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 993 | - | 384013 398350 |
| 238 | **Contemporary Trade Directory Entries**<br>Name: D C Motor Engineers<br>Location: 1-3, York Street, Manchester, Lancashire, M1 7DE<br>Classification: Garage Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 913 | - | 384082 398298 |
| 238 | **Contemporary Trade Directory Entries**<br>Name: The Color Co<br>Location: 41, Spring Gardens, Manchester, M2 2BG<br>Classification: Copying & Duplicating Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 922 | - | 384065 398263 |
| 238 | **Contemporary Trade Directory Entries**<br>Name: The Color Co<br>Location: 41, Spring Gardens, Manchester, M2 2BG<br>Classification: Copying & Duplicating Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 922 | - | 384065 398263 |
| 239 | **Contemporary Trade Directory Entries**<br>Name: Bramhall Refrigeration Services<br>Location: 23, Market Hall, Arndale Centre, Manchester, M4 3AW<br>Classification: Refrigerators & Freezers - Servicing & Repairs<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17SW (NW) | 916 | - | 384220 398608 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 239 | **Contemporary Trade Directory Entries**<br>Name: J J Nets<br>Location: 49, High Street, Manchester, M4 3AH<br>Classification: Homefurnishings - Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A17SW (NW) | 916 | - | 384220 398608 |
| 240 | **Contemporary Trade Directory Entries**<br>Name: Express Wholesale (Diy) Ltd<br>Location: Pollard St, Manchester, M4 7JB<br>Classification: Hardware<br>**Status: Active**<br>Positional Accuracy: Manually positioned to the road within the address or location | A19SE (NE) | 924 | - | 385806 398530 |
| 241 | **Contemporary Trade Directory Entries**<br>Name: First North Western<br>Location: Bridgewater House, 58, Whitworth Street, Manchester, M1 6LS<br>Classification: Railways<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 928 | - | 384158 397633 |
| 242 | **Contemporary Trade Directory Entries**<br>Name: Cabrelli Bros<br>Location: 206, Oldham Road, Manchester, Lancashire, M4 6BQ<br>Classification: Ice Cream Manufacturers & Suppliers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A18NE (N) | 930 | - | 385177 399006 |
| 243 | **Contemporary Trade Directory Entries**<br>Name: Mr Pigs<br>Location: 67, Temperance Street, Manchester, M12 6DP<br>Classification: Motor Cycle Repairs<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 952 | - | 385651 397373 |
| 243 | **Contemporary Trade Directory Entries**<br>Name: Hentcho Recycling Services<br>Location: 65-66, North Western Street, Manchester, Lancashire, M12 6DX<br>Classification: Recycling Centres<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9SE (SE) | 966 | - | 385676 397377 |
| 243 | **Contemporary Trade Directory Entries**<br>Name: Crown Windows & Doors Ltd<br>Location: 64, North Western Street, Manchester, M12 6DX<br>Classification: Window Frame Manufacturers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9SE (SE) | 982 | - | 385689 397367 |
| 244 | **Contemporary Trade Directory Entries**<br>Name: Z Motor<br>Location: Ashton Old Rd, Manchester, Lancashire, M12 6JD<br>Classification: Car Dealers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the road within the address or location | A9NE (SE) | 956 | - | 385846 397626 |
| 245 | **Contemporary Trade Directory Entries**<br>Name: Smithfield Service Station<br>Location: 12, Rochdale Road, Manchester, M4 4JR<br>Classification: Garage Services<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 966 | - | 384592 398975 |
| 246 | **Contemporary Trade Directory Entries**<br>Name: Tetra Pak Business Services Ltd<br>Location: The Chancery,58 Spring Gdns, Manchester, M2 1EW<br>Classification: Boxes & Cartons<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A12NW (W) | 966 | - | 384010 398190 |
| 246 | **Contemporary Trade Directory Entries**<br>Name: Whitecliffs Group<br>Location: 61-63, Brown Street, Manchester, Lancashire, M2 2JG<br>Classification: Electrolysis<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A12NW (W) | 978 | - | 383995 398172 |
| 247 | **Contemporary Trade Directory Entries**<br>Name: Chatfields<br>Location: Ashton Old Road, Manchester, M12 6JD<br>Classification: Commercial Vehicle Dealers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9NE (SE) | 978 | - | 385831 397555 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 248 | **Contemporary Trade Directory Entries**<br>Name: Tuesdays Girl Ltd<br>Location: 54, Higher Ardwick, Manchester, M12 6DA<br>Classification: Cosmetic Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 978 | - | 385503 397226 |
| 248 | **Contemporary Trade Directory Entries**<br>Name: Dolphin Knitting Co Ltd<br>Location: 54, Higher Ardwick, Manchester, M12 6DA<br>Classification: Knitting Machine - Manufacturers & Distributors<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 978 | - | 385503 397226 |
| 248 | **Contemporary Trade Directory Entries**<br>Name: Horizon Knitwear<br>Location: Horizon House, Harkness Street, Manchester, M12 6BT<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 1000 | - | 385510 397204 |
| 248 | **Contemporary Trade Directory Entries**<br>Name: Horizon Knitwear Ltd<br>Location: Horizon House, Harkness Street, Manchester, M12 6BT<br>Classification: Knitwear Manufacturers & Wholesalers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A9SW (SE) | 1000 | - | 385510 397204 |
| 249 | **Contemporary Trade Directory Entries**<br>Name: Business & Office Machine Services Ltd<br>Location: The Bank, 209, Every Street, Manchester, M4 7EX<br>Classification: Photocopiers<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A19SE (E) | 981 | - | 385911 398441 |
| 250 | **Contemporary Trade Directory Entries**<br>Name: Acorn<br>Location: St. James Buildings, 79, Oxford Street, Manchester, Lancashire, M1 6FQ<br>Classification: Commercial Cleaning Services<br>**Status: Active**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 982 | - | 384075 397678 |
| 250 | **Contemporary Trade Directory Entries**<br>Name: Faupel Plc<br>Location: St. James Buildings, 79, Oxford Street, Manchester, Lancashire, M1 6FQ<br>Classification: Soft Furnishings - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 982 | - | 384075 397678 |
| 250 | **Contemporary Trade Directory Entries**<br>Name: Jany (Uk)<br>Location: St. James Buildings, 79, Oxford Street, Manchester, Lancashire, M1 6FQ<br>Classification: Commercial Vehicle Bodybuilders & Repairers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A7NW (SW) | 982 | - | 384075 397678 |
| 251 | **Contemporary Trade Directory Entries**<br>Name: Marks Bros<br>Location: Brunswick Mill, Bradford Road, Manchester, Lancashire, M40 7EZ<br>Classification: Plastics - Welding<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A19SE (NE) | 983 | - | 385783 398676 |
| 251 | **Contemporary Trade Directory Entries**<br>Name: New Venture Print Ltd<br>Location: Brunswick Mill, Bradford Road, Manchester, Lancashire, M40 7EZ<br>Classification: Printers<br>**Status: Inactive**<br>Positional Accuracy: Manually positioned to the address or location | A19SE (NE) | 983 | - | 385783 398676 |
| 251 | **Contemporary Trade Directory Entries**<br>Name: Q & R Ladies Dressmakers<br>Location: Brunswick Mill, Bradford Road, Manchester, Lancashire, M40 7EZ<br>Classification: Clothing & Fabrics - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A19SE (NE) | 983 | - | 385783 398676 |
| 252 | **Contemporary Trade Directory Entries**<br>Name: Impex Trading Co<br>Location: Flat 23, Oxford Place, 7, Oxford Road, Manchester, M1 6EY<br>Classification: Carpets & Rugs - Manufacturers<br>**Status: Inactive**<br>Positional Accuracy: Automatically positioned to the address | A7NW (SW) | 999 | - | 384176 397471 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 253 | **Fuel Station Entries**<br>Name: Fletcher Garages<br>Location: 100 Fairfield Street, Manchester, M1 2WR<br>Brand: Unbranded<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Manually positioned to the address or location | A9NW (SE) | 551 | - | 385359 397649 |
| 254 | **Fuel Station Entries**<br>Name: Blossom Motor Company<br>Location: 27 Gun Street, Ancoats, Manchester, M4 5DN<br>Brand: OBSOLETE<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Approximate location provided by supplier | A18SW (NW) | 583 | - | 384700 398600 |
| 255 | **Fuel Station Entries**<br>Name: Smithfield Service Station<br>Location: 12, Rochdale Road, Bendix Street,Collyhurst,, MANCHESTER, Lancashire, M24 6DP<br>Brand: Unbranded<br>Premises Type: Not Applicable<br>**Status: Obsolete**<br>Positional Accuracy: Automatically positioned to the address | A17NE (NW) | 966 | - | 384592 398975 |
| 256 | **Fuel Station Entries**<br>Name: Ardwick Service Station<br>Location: Chancellor Lane, Ardwick, Manchester, Lancashire, M12 6JZ<br>Brand: Bp<br>Premises Type: Petrol Station<br>**Status: Open**<br>Positional Accuracy: Manually positioned to the address or location | A9NE (SE) | 990 | - | 385759 397433 |
| 257 | **Fuel Station Entries**<br>Name: Ardwick Green Express<br>Location: Ardwick Green South, Manchester, M13 9XF<br>Brand: Esso<br>Premises Type: Petrol Station<br>**Status: Open**<br>Positional Accuracy: Manually positioned to the address or location | A8SE (S) | 995 | - | 385241 397094 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 258 | **Nitrate Vulnerable Zones**<br>Name: Not Supplied<br>Description: Surface Water<br>Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) | A17SE (NW) | 558 | 8 | 384600 398500 |

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **Contaminated Land Register Entries and Notices** | | |
| Stockport Metropolitan Borough Council - Environment Team (Land & Water) | February 2013 | Annual Rolling Update |
| Manchester City Council - Environmental Health Department | July 2013 | Annual Rolling Update |
| Tameside Metropolitan Borough Council - Environmental Health Department | May 2013 | Annual Rolling Update |
| Salford City Council - Environmental Health Department | November 2013 | Annual Rolling Update |
| Trafford Metropolitan Borough Council - Renewal and Environmental Protection | November 2013 | Annual Rolling Update |
| Rochdale Metropolitan Borough Council - Environmental Health Department | November 2013 | Annually |
| Bury Metropolitan Borough Council - Environmental Health Department | October 2013 | Annual Rolling Update |
| Oldham Metropolitan Borough Council - Environmental Health Department | September 2013 | Annual Rolling Update |
| **Discharge Consents** | | |
| Environment Agency - North West Region | August 2014 | Quarterly |
| **Enforcement and Prohibition Notices** | | |
| Environment Agency - North West Region | March 2013 | As notified |
| **Integrated Pollution Controls** | | |
| Environment Agency - North West Region | October 2008 | Not Applicable |
| **Integrated Pollution Prevention And Control** | | |
| Environment Agency - North West Region | August 2014 | Quarterly |
| **Local Authority Integrated Pollution Prevention And Control** | | |
| Bury Metropolitan Borough Council - Environmental Health Department | April 2013 | Annual Rolling Update |
| Manchester City Council - Environmental Health Department | February 2013 | Annual Rolling Update |
| Tameside Metropolitan Borough Council - Environmental Health Department | February 2013 | Annual Rolling Update |
| Trafford Metropolitan Borough Council - Environmental Health Department | January 2013 | Annual Rolling Update |
| Rochdale Metropolitan Borough Council - Environmental Health Department | July 2014 | Annual Rolling Update |
| Stockport Metropolitan Borough Council - Environmental Health Department, EEDD | March 2013 | Annual Rolling Update |
| Oldham Metropolitan Borough Council - Environmental Health Department | September 2013 | Annual Rolling Update |
| Salford City Council - Environmental Health Department | September 2013 | Annual Rolling Update |
| **Local Authority Pollution Prevention and Controls** | | |
| Bury Metropolitan Borough Council - Environmental Health Department | April 2013 | Annual Rolling Update |
| Manchester City Council - Environmental Health Department | February 2013 | Annual Rolling Update |
| Tameside Metropolitan Borough Council - Environmental Health Department | February 2013 | Annual Rolling Update |
| Trafford Metropolitan Borough Council - Environmental Health Department | January 2013 | Annual Rolling Update |
| Rochdale Metropolitan Borough Council - Environmental Health Department | July 2014 | Annual Rolling Update |
| Stockport Metropolitan Borough Council - Environmental Health Department, EEDD | March 2013 | Annual Rolling Update |
| Oldham Metropolitan Borough Council - Environmental Health Department | September 2013 | Annual Rolling Update |
| Salford City Council - Environmental Health Department | September 2013 | Annual Rolling Update |
| **Local Authority Pollution Prevention and Control Enforcements** | | |
| Bury Metropolitan Borough Council - Environmental Health Department | April 2013 | Annual Rolling Update |
| Manchester City Council - Environmental Health Department | February 2013 | Annual Rolling Update |
| Tameside Metropolitan Borough Council - Environmental Health Department | February 2013 | Annual Rolling Update |
| Trafford Metropolitan Borough Council - Environmental Health Department | January 2013 | Annual Rolling Update |
| Rochdale Metropolitan Borough Council - Environmental Health Department | July 2014 | Annual Rolling Update |
| Stockport Metropolitan Borough Council - Environmental Health Department, EEDD | March 2013 | Annual Rolling Update |
| Oldham Metropolitan Borough Council - Environmental Health Department | September 2013 | Annual Rolling Update |
| Salford City Council - Environmental Health Department | September 2013 | Annual Rolling Update |
| **Nearest Surface Water Feature** | | |
| Ordnance Survey | July 2012 | Quarterly |
| **Pollution Incidents to Controlled Waters** | | |
| Environment Agency - North West Region | January 2000 | Not Applicable |
| **Prosecutions Relating to Authorised Processes** | | |
| Environment Agency - North West Region | March 2013 | As notified |
| **Prosecutions Relating to Controlled Waters** | | |
| Environment Agency - North West Region | March 2013 | As notified |
| **Registered Radioactive Substances** | | |
| Environment Agency - North West Region | August 2014 | Quarterly |

| Agency & Hydrological | Version | Update Cycle |
|---|---|---|
| **River Quality**<br>Environment Agency - Head Office | November 2001 | Not Applicable |
| **River Quality Biology Sampling Points**<br>Environment Agency - Head Office | July 2012 | Annually |
| **River Quality Chemistry Sampling Points**<br>Environment Agency - Head Office | July 2012 | Annually |
| **Substantiated Pollution Incident Register**<br>Environment Agency - North West Region - South Area | August 2014 | Quarterly |
| **Water Abstractions**<br>Environment Agency - North West Region | July 2014 | Quarterly |
| **Water Industry Act Referrals**<br>Environment Agency - North West Region | August 2014 | Quarterly |
| **Groundwater Vulnerability**<br>Environment Agency - Head Office | January 2011 | Not Applicable |
| **Drift Deposits**<br>Environment Agency - Head Office | January 1999 | Not Applicable |
| **Bedrock Aquifer Designations**<br>British Geological Survey - National Geoscience Information Service | October 2012 | Annually |
| **Superficial Aquifer Designations**<br>British Geological Survey - National Geoscience Information Service | October 2012 | Annually |
| **Source Protection Zones**<br>Environment Agency - Head Office | April 2014 | Quarterly |
| **Extreme Flooding from Rivers or Sea without Defences**<br>Environment Agency - Head Office | May 2014 | Quarterly |
| **Flooding from Rivers or Sea without Defences**<br>Environment Agency - Head Office | May 2014 | Quarterly |
| **Areas Benefiting from Flood Defences**<br>Environment Agency - Head Office | May 2014 | Quarterly |
| **Flood Water Storage Areas**<br>Environment Agency - Head Office | May 2014 | Quarterly |
| **Flood Defences**<br>Environment Agency - Head Office | February 2014 | Quarterly |
| **Detailed River Network Lines**<br>Environment Agency - Head Office | March 2012 | Annually |
| **Detailed River Network Offline Drainage**<br>Environment Agency - Head Office | March 2012 | Annually |

# Data Currency

| Waste | Version | Update Cycle |
|---|---|---|
| **BGS Recorded Landfill Sites** | | |
| British Geological Survey - National Geoscience Information Service | June 1996 | Not Applicable |
| **Historical Landfill Sites** | | |
| Environment Agency - North West Region - South Area | May 2014 | Quarterly |
| **Integrated Pollution Control Registered Waste Sites** | | |
| Environment Agency - North West Region | October 2008 | Not Applicable |
| **Licensed Waste Management Facilities (Landfill Boundaries)** | | |
| Environment Agency - North West Region - South Area | July 2014 | Quarterly |
| **Licensed Waste Management Facilities (Locations)** | | |
| Environment Agency - North West Region - South Area | May 2014 | Quarterly |
| **Local Authority Landfill Coverage** | | |
| Bury Metropolitan Borough Council | May 2000 | Not Applicable |
| Manchester City Council - Planning Department | May 2000 | Not Applicable |
| Oldham Metropolitan Borough Council | May 2000 | Not Applicable |
| Rochdale Metropolitan Borough Council - Environmental Health Department | May 2000 | Not Applicable |
| Salford City Council - Environmental Health Department | May 2000 | Not Applicable |
| Stockport Metropolitan Borough Council - Environmental Health Department, EEDD | May 2000 | Not Applicable |
| Tameside Metropolitan Borough Council | May 2000 | Not Applicable |
| Trafford Metropolitan Borough Council - Environmental Health Department | May 2000 | Not Applicable |
| **Local Authority Recorded Landfill Sites** | | |
| Bury Metropolitan Borough Council | May 2000 | Not Applicable |
| Manchester City Council - Planning Department | May 2000 | Not Applicable |
| Oldham Metropolitan Borough Council | May 2000 | Not Applicable |
| Rochdale Metropolitan Borough Council - Environmental Health Department | May 2000 | Not Applicable |
| Salford City Council - Environmental Health Department | May 2000 | Not Applicable |
| Stockport Metropolitan Borough Council - Environmental Health Department, EEDD | May 2000 | Not Applicable |
| Tameside Metropolitan Borough Council | May 2000 | Not Applicable |
| Trafford Metropolitan Borough Council - Environmental Health Department | May 2000 | Not Applicable |
| **Registered Landfill Sites** | | |
| Environment Agency - North West Region - South Area | March 2003 | Not Applicable |
| **Registered Waste Transfer Sites** | | |
| Environment Agency - North West Region - South Area | March 2003 | Not Applicable |
| **Registered Waste Treatment or Disposal Sites** | | |
| Environment Agency - North West Region - South Area | March 2003 | Not Applicable |

| Hazardous Substances | Version | Update Cycle |
|---|---|---|
| **Control of Major Accident Hazards Sites (COMAH)** | | |
| Health and Safety Executive | March 2014 | Bi-Annually |
| **Explosive Sites** | | |
| Health and Safety Executive | November 2013 | Bi-Annually |
| **Notification of Installations Handling Hazardous Substances (NIHHS)** | | |
| Health and Safety Executive | November 2000 | Not Applicable |
| **Planning Hazardous Substance Enforcements** | | |
| Manchester City Council - Planning Department | December 2012 | Annual Rolling Update |
| Salford City Council | December 2012 | Annual Rolling Update |
| Oldham Metropolitan Borough Council | July 2013 | Annual Rolling Update |
| Stockport Metropolitan Borough Council - Environment and Economic Development | March 2013 | Annual Rolling Update |
| Trafford Metropolitan Borough Council | March 2013 | Annual Rolling Update |
| Rochdale Metropolitan Borough Council | November 2012 | Annual Rolling Update |
| Tameside Metropolitan Borough Council - Planning and Building Control | November 2012 | Annual Rolling Update |
| Bury Metropolitan Borough Council | September 2013 | Annual Rolling Update |
| **Planning Hazardous Substance Consents** | | |
| Manchester City Council - Planning Department | December 2012 | Annual Rolling Update |
| Salford City Council | December 2012 | Annual Rolling Update |
| Oldham Metropolitan Borough Council | July 2013 | Annual Rolling Update |
| Stockport Metropolitan Borough Council - Environment and Economic Development | March 2013 | Annual Rolling Update |
| Trafford Metropolitan Borough Council | March 2013 | Annual Rolling Update |
| Rochdale Metropolitan Borough Council | November 2012 | Annual Rolling Update |
| Tameside Metropolitan Borough Council - Planning and Building Control | November 2012 | Annual Rolling Update |
| Bury Metropolitan Borough Council | September 2013 | Annual Rolling Update |

# Data Currency

| Geological | Version | Update Cycle |
|---|---|---|
| **BGS 1:625,000 Solid Geology**<br>British Geological Survey - National Geoscience Information Service | August 1996 | Not Applicable |
| **BGS Estimated Soil Chemistry**<br>British Geological Survey - National Geoscience Information Service | January 2010 | Annually |
| **BGS Recorded Mineral Sites**<br>British Geological Survey - National Geoscience Information Service | April 2014 | Bi-Annually |
| **BGS Urban Soil Chemistry**<br>British Geological Survey - National Geoscience Information Service | June 2011 | Annually |
| **BGS Urban Soil Chemistry Averages**<br>British Geological Survey - National Geoscience Information Service | June 2011 | Annually |
| **Brine Compensation Area**<br>Cheshire Brine Subsidence Compensation Board | August 2011 | Not Applicable |
| **Coal Mining Affected Areas**<br>The Coal Authority - Mining Report Service | December 2013 | As notified |
| **Mining Instability**<br>Ove Arup & Partners | October 2000 | Not Applicable |
| **Non Coal Mining Areas of Great Britain**<br>British Geological Survey - National Geoscience Information Service | February 2011 | Not Applicable |
| **Potential for Collapsible Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | June 2014 | Annually |
| **Potential for Compressible Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | June 2014 | Annually |
| **Potential for Ground Dissolution Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | June 2014 | Annually |
| **Potential for Landslide Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | June 2014 | Annually |
| **Potential for Running Sand Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | June 2014 | Annually |
| **Potential for Shrinking or Swelling Clay Ground Stability Hazards**<br>British Geological Survey - National Geoscience Information Service | June 2014 | Annually |
| **Radon Potential - Radon Affected Areas**<br>British Geological Survey - National Geoscience Information Service | July 2011 | Annually |
| **Radon Potential - Radon Protection Measures**<br>British Geological Survey - National Geoscience Information Service | July 2011 | Annually |
| **Industrial Land Use** | **Version** | **Update Cycle** |
| **Contemporary Trade Directory Entries**<br>Thomson Directories | May 2014 | Quarterly |
| **Fuel Station Entries**<br>Catalist Ltd - Experian | March 2014 | Quarterly |

| Sensitive Land Use | Version | Update Cycle |
|---|---|---|
| **Areas of Adopted Green Belt** | | |
| Bury Metropolitan Borough Council | August 2014 | As notified |
| Manchester City Council | August 2014 | As notified |
| Oldham Metropolitan Borough Council | August 2014 | As notified |
| Rochdale Metropolitan Borough Council | August 2014 | As notified |
| Salford City Council | August 2014 | As notified |
| Stockport Metropolitan Borough Council | August 2014 | As notified |
| Tameside Metropolitan Borough Council | August 2014 | As notified |
| Trafford Metropolitan Borough Council | August 2014 | As notified |
| **Areas of Unadopted Green Belt** | | |
| Bury Metropolitan Borough Council | August 2014 | As notified |
| Manchester City Council | August 2014 | As notified |
| Oldham Metropolitan Borough Council | August 2014 | As notified |
| Rochdale Metropolitan Borough Council | August 2014 | As notified |
| Salford City Council | August 2014 | As notified |
| Stockport Metropolitan Borough Council | August 2014 | As notified |
| Tameside Metropolitan Borough Council | August 2014 | As notified |
| Trafford Metropolitan Borough Council | August 2014 | As notified |
| **Areas of Outstanding Natural Beauty** | | |
| Natural England | January 2014 | Bi-Annually |
| **Environmentally Sensitive Areas** | | |
| Natural England | August 2014 | Annually |
| **Forest Parks** | | |
| Forestry Commission | April 1997 | Not Applicable |
| **Local Nature Reserves** | | |
| Natural England | March 2014 | Bi-Annually |
| **Marine Nature Reserves** | | |
| Natural England | July 2013 | Bi-Annually |
| **National Nature Reserves** | | |
| Natural England | March 2014 | Bi-Annually |
| **National Parks** | | |
| Natural England | August 2014 | Bi-Annually |
| **Nitrate Sensitive Areas** | | |
| Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) | February 2012 | Not Applicable |
| **Nitrate Vulnerable Zones** | | |
| Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) | July 2014 | Annually |
| **Ramsar Sites** | | |
| Natural England | March 2014 | Bi-Annually |
| **Sites of Special Scientific Interest** | | |
| Natural England | March 2014 | Bi-Annually |
| **Special Areas of Conservation** | | |
| Natural England | March 2014 | Bi-Annually |
| **Special Protection Areas** | | |
| Natural England | March 2014 | Bi-Annually |

# Data Suppliers

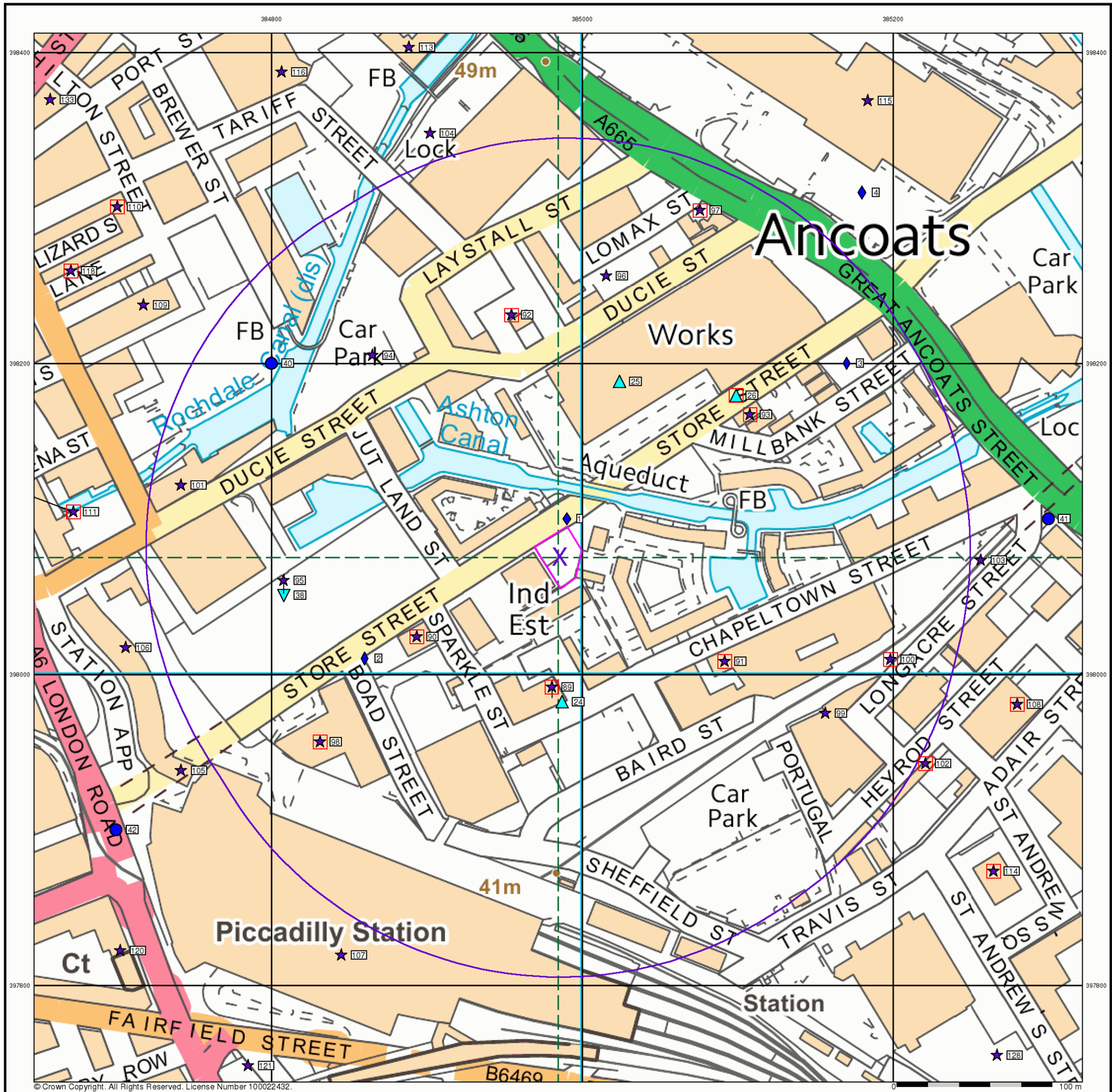
A selection of organisations who provide data within this report

| Data Supplier | Data Supplier Logo |
|---|---|
| **Ordnance Survey** | Ordnance Survey Licensed Partner |
| **Environment Agency** | Environment Agency |
| **Scottish Environment Protection Agency** | SEPA Scottish Environment Protection Agency |
| **The Coal Authority** | THE COAL AUTHORITY |
| **British Geological Survey** | British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL |
| **Centre for Ecology and Hydrology** | Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL |
| **Countryside Council for Wales** | CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES |
| **Scottish Natural Heritage** | SCOTTISH NATURAL HERITAGE |
| **Natural England** | NATURAL ENGLAND |
| **Public Health England** | Public Health England |
| **Ove Arup** | ARUP |
| **Peter Brett Associates** | pba peterbrett |

# Useful Contacts

| Contact | Name and Address | Contact Details |
|---|---|---|
| 2 | **British Geological Survey - Enquiry Service**<br>British Geological Survey, Kingsley Dunham 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 |
| 3 | **Environment Agency - National Customer Contact Centre (NCCC)**<br>PO Box 544, Templeborough, Rotherham, S60 1BY | Telephone: 08708 506 506<br>Email: enquiries@environment-agency.gov.uk |
| 4 | **Manchester City Council - Environmental Health Department**<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 |
| 5 | **Landmark Information Group Limited**<br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmark.co.uk<br>Website: www.landmarkinfo.co.uk |
| 6 | **The Coal Authority - Mining Report Service**<br>200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG | Telephone: 0845 7626848<br>Email: thecoalauthority@coal.gov.uk |
| 7 | **Peter Brett Associates**<br>Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN | Telephone: 0118 950 0761<br>Fax: 0118 959 7498<br>Email: reading@pba.co.uk<br>Website: www.pba.co.uk |
| 8 | **Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)**<br>Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT | Telephone: 0113 2613333<br>Fax: 0113 230 0879 |
| 9 | **Manchester City Council - Planning Department**<br>Town Hall, Manchester, Greater Manchester, M60 2LA | Telephone: 0161 234 5000<br>Fax: 0161 234 4508<br>Website: www.manchester.gov.uk |
| - | **Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards**<br>Chilton, Didcot, Oxfordshire, OX11 0RQ | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org |
| - | **Landmark Information Group Limited**<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 / SEPA have a charging policy in place for enquiries.




# geotechnics

## 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
- 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

## 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
- Registered Landfill Site
- 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

## Geological

- BGS Recorded Mineral Site

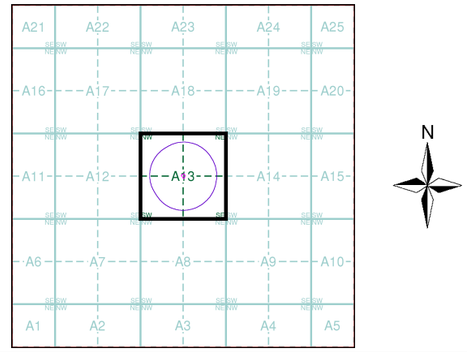
## Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

## Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

## Site Sensitivity Map - Segment A13




## Order Details

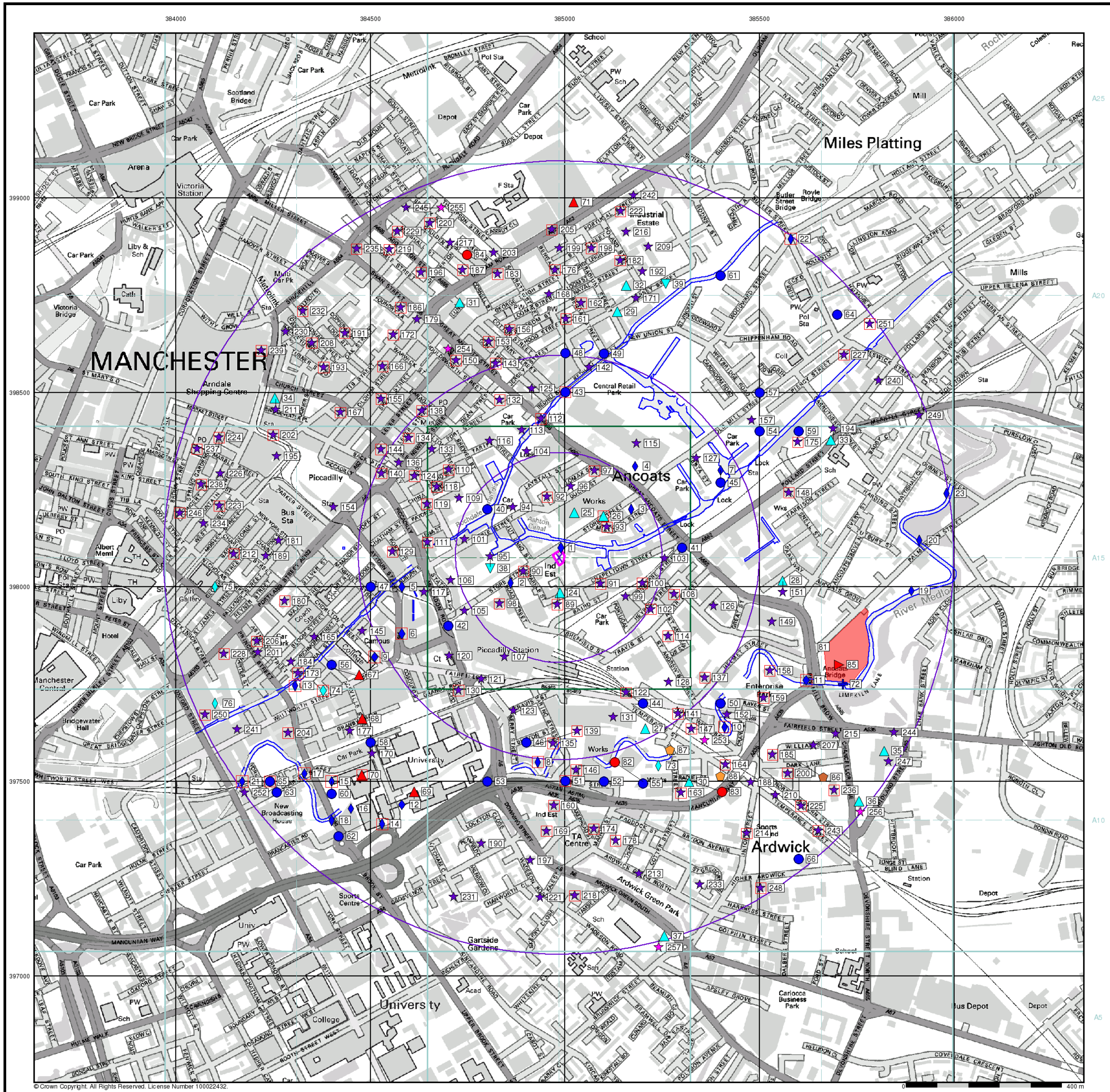
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| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |

## Site Details

Site at 384980, 398080


Landmark Information Group

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




# geotechnics

## 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
- 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

## Geological

- BGS Recorded Mineral Site

## Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

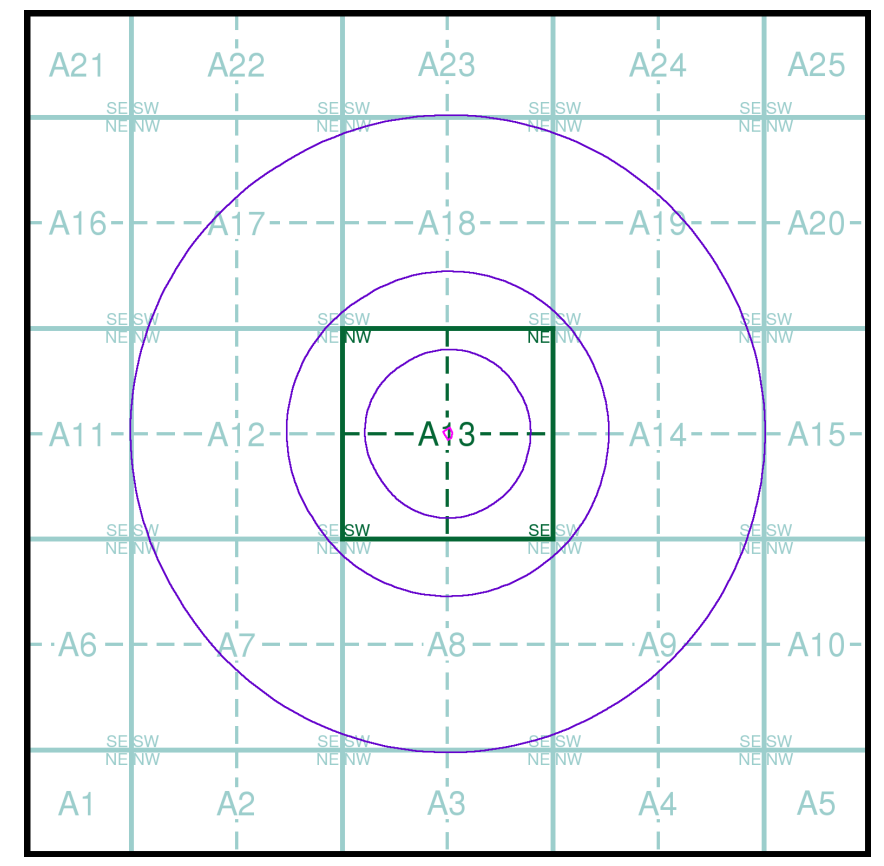
## Waste

- 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)
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- Local Authority Recorded Landfill Site
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- 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

## Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

## Site Sensitivity Map - Slice A




## Order Details

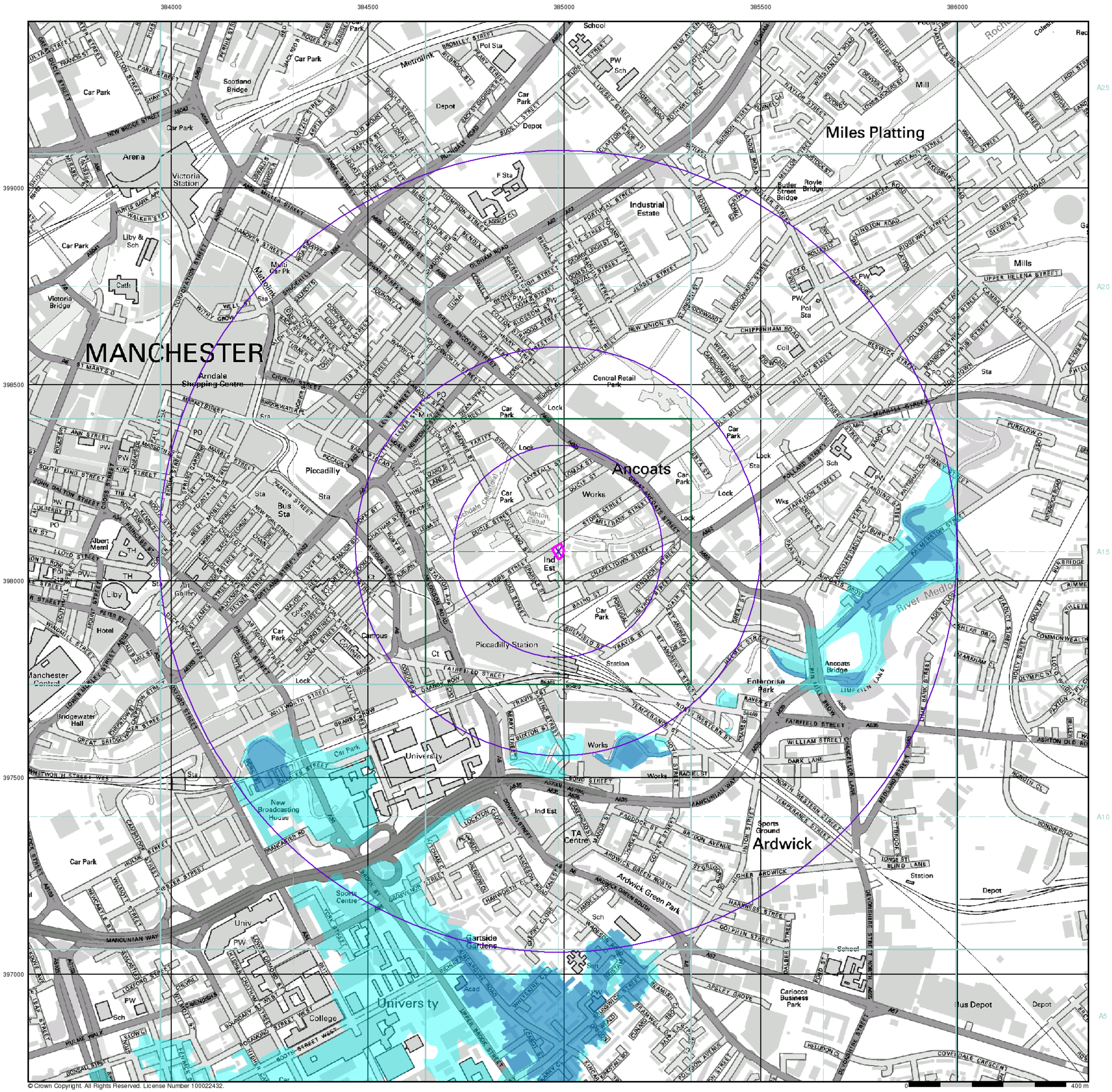
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| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

Landmark Information Group

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Web: www.envirocheck.co.uk




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geotechnics

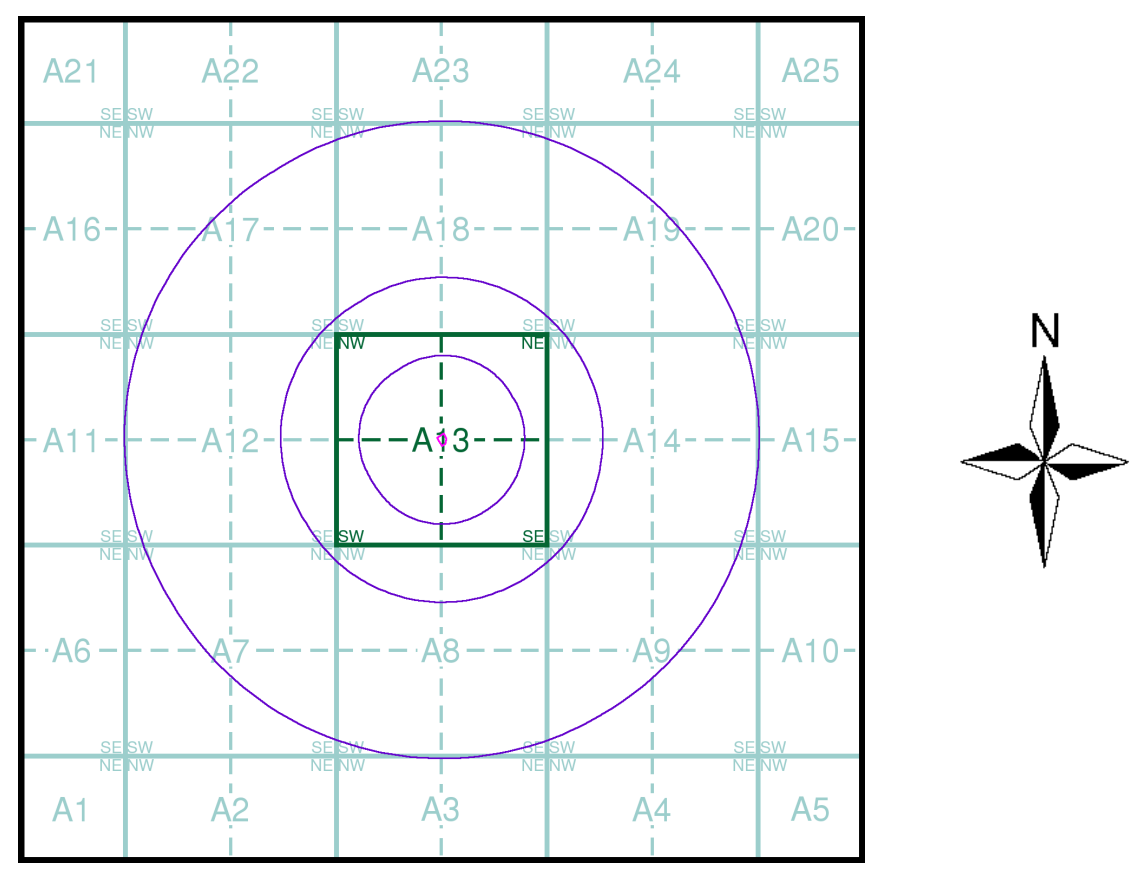
## General

- Specified Site
- Specified Buffer(s)
- X 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

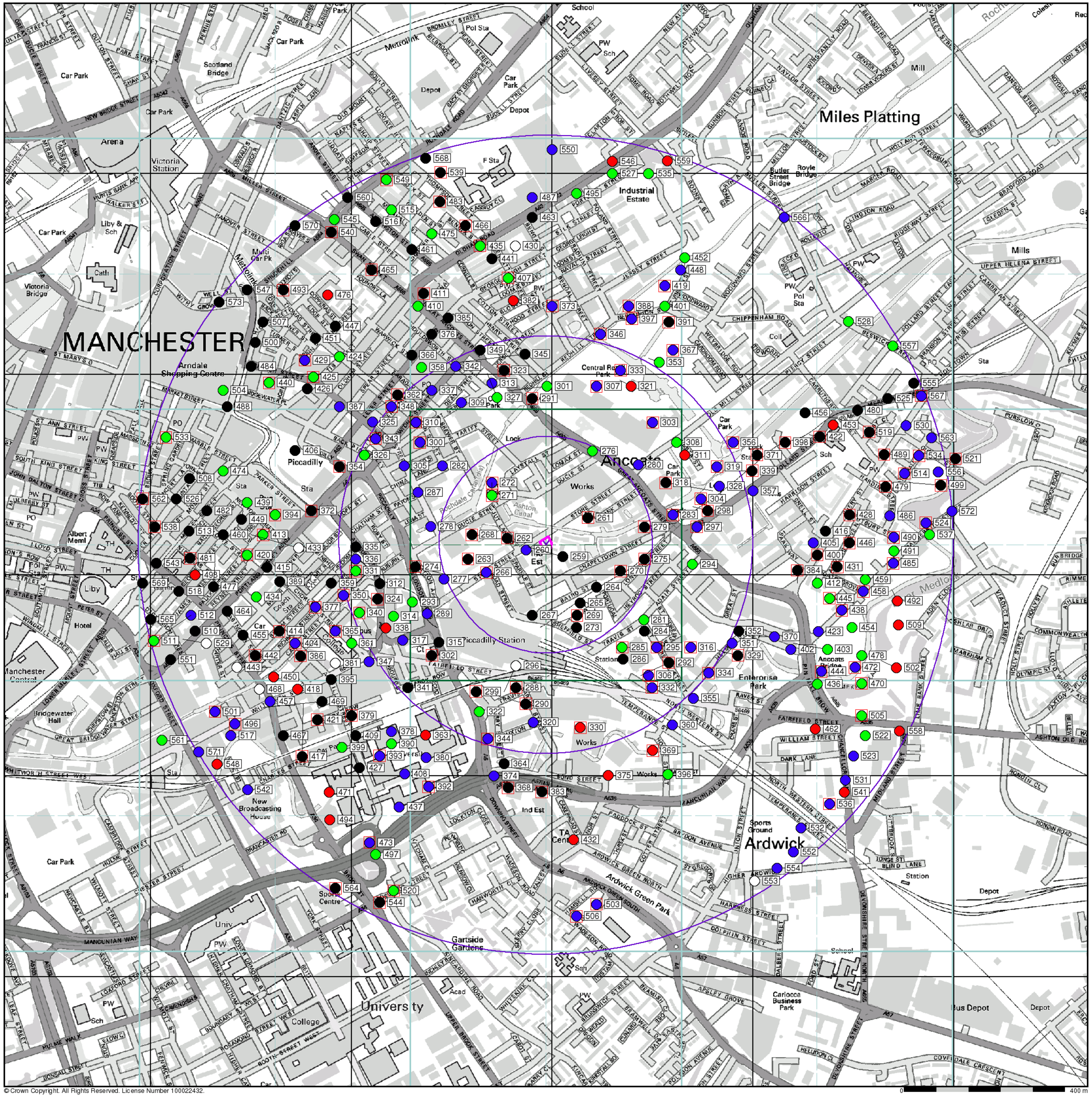



## Order Details

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| National Grid Reference: | 384990, 398080 |
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| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 384980, 398080




geotechnics

## General

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

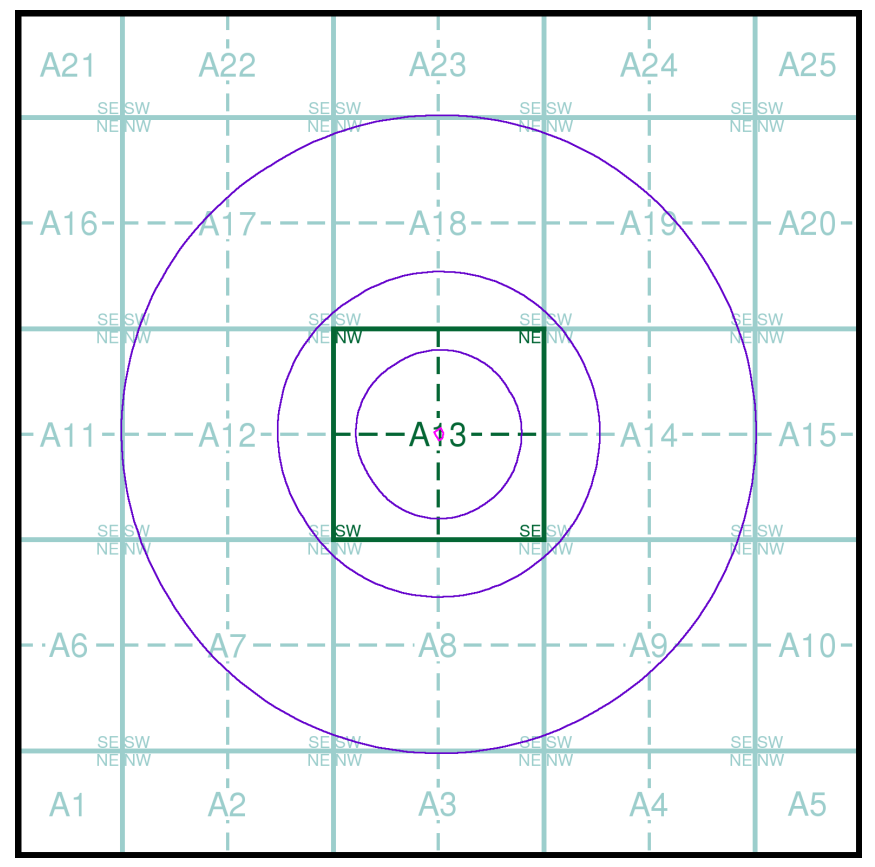
## Agency and Hydrological (Boreholes)

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

For Borehole information please refer to the Borehole datasheet 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.

## Borehole Map - Slice A




## Order Details

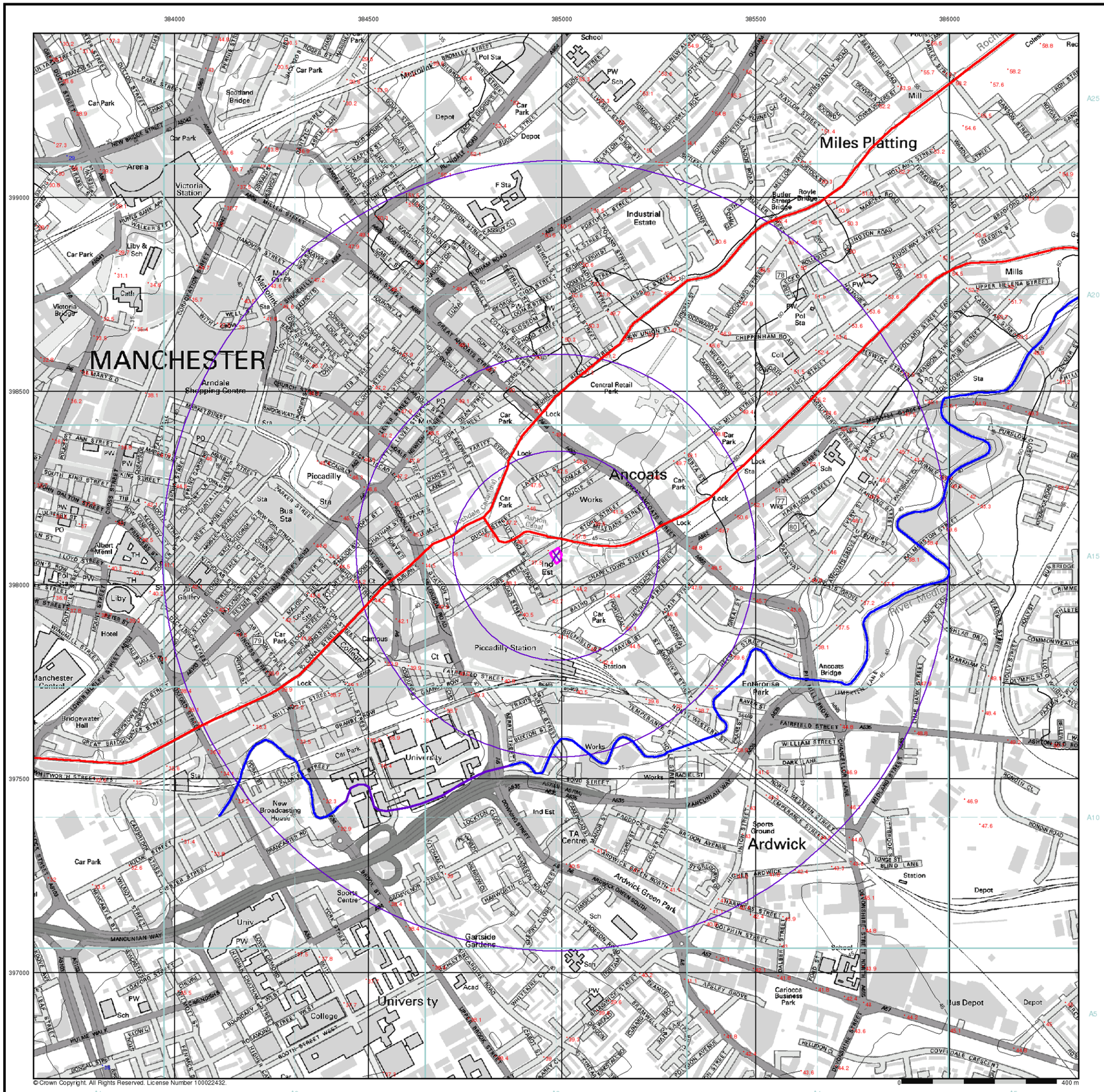
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| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

Landmark Information Group

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




# geotechnics

## General

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

## EA Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m
- Underground River (inferred)
- Underground River (local knowledge
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

## Contours (height in metres)

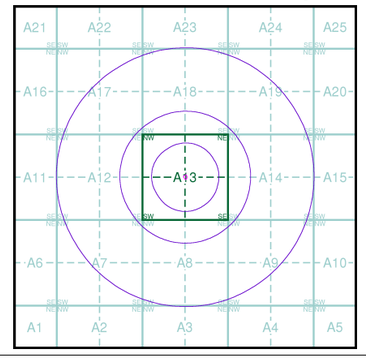
Standard Contour — 105 — 100 — 95

Index Contour

167.3 Spot Height

45.8 Air Height

## EA Detailed River Network Map - Slice A




## Order Details

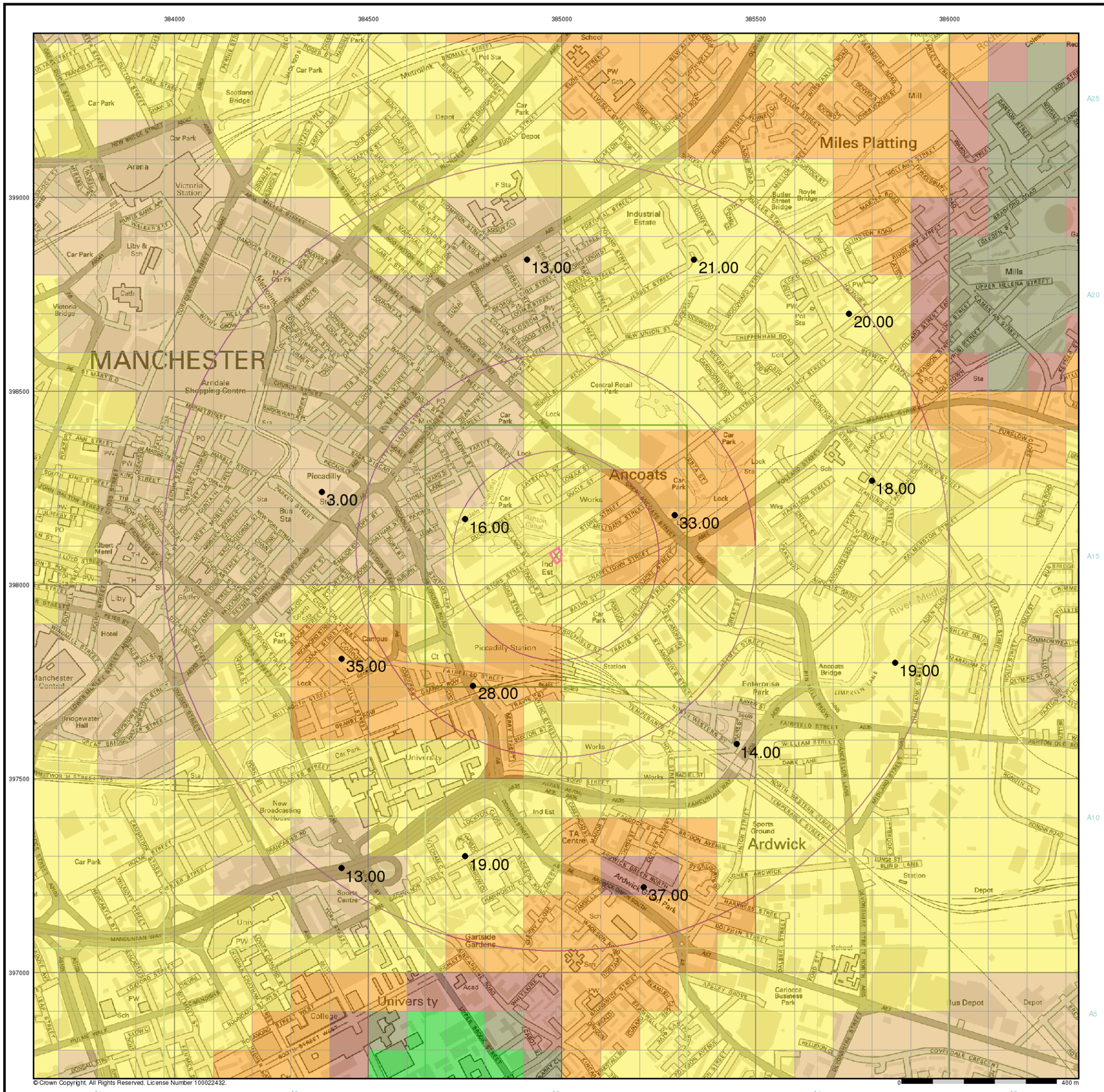
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| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

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geotechnics

## General

Specified Site | Specified Buffer(s) | X Bearing Reference Point

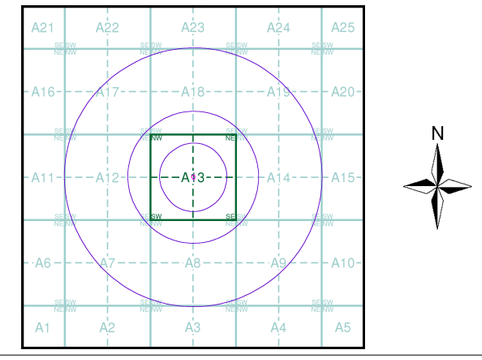
## Urban Soil Chemistry Arsenic

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Arsenic Concentrations mg/kg

| |
|---|
| < 15 |
| 15 - 25 |
| 25 - 35 |
| 35 - 45 |
| 45 - 60 |
| 60 - 120 |
| > 120 |

## Urban Soil Chemistry Arsenic - Slice A



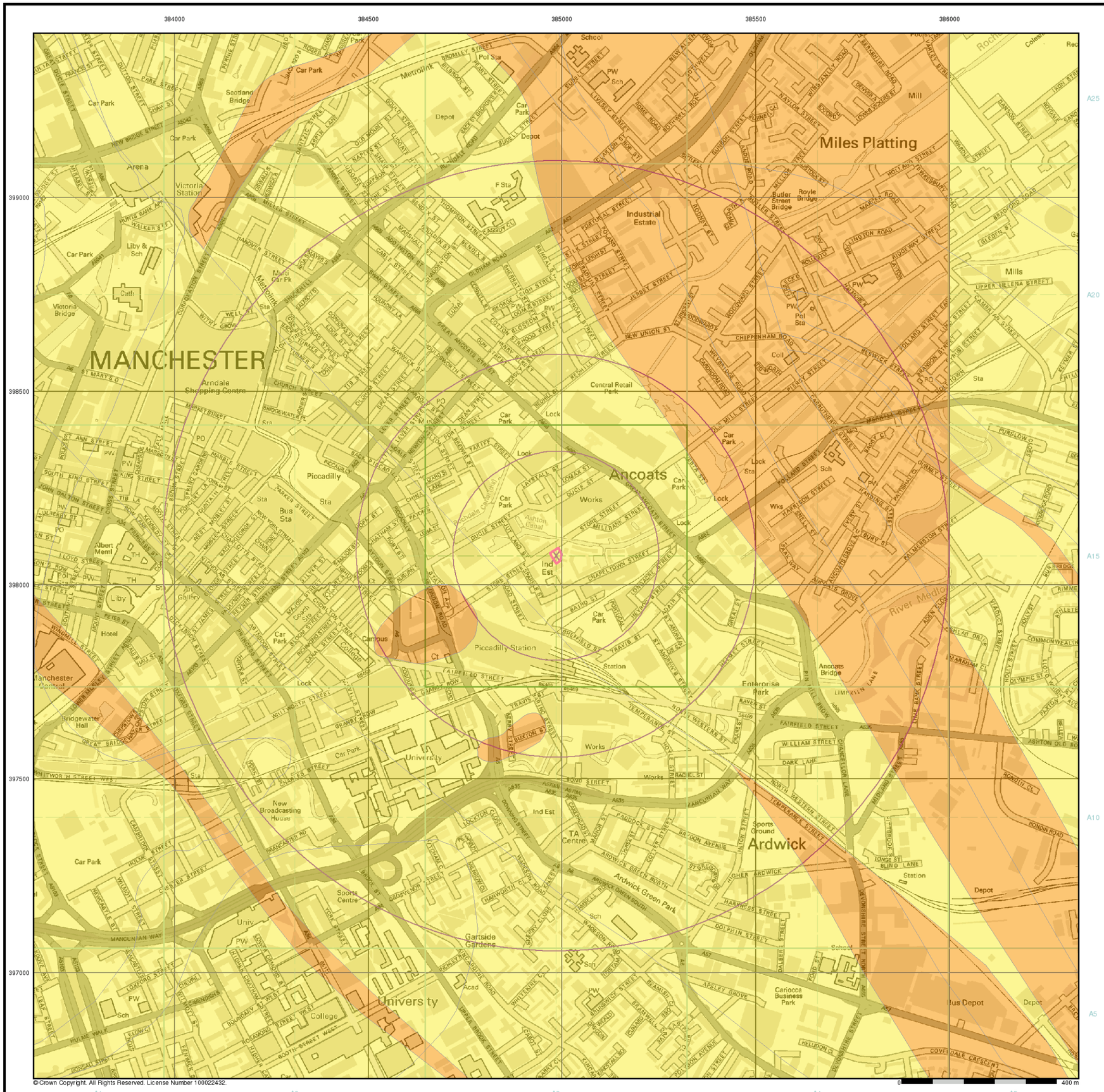

## Order Details

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| Order Details: | 59513547_1_1 |
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| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

Landmark Information Group
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk




geotechnics

## General

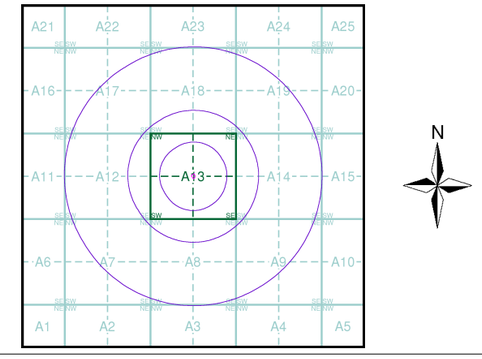
Specified Site | Specified Buffer(s) | X Bearing Reference Point

## Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

## Estimated Soil Chemistry Arsenic - Slice A



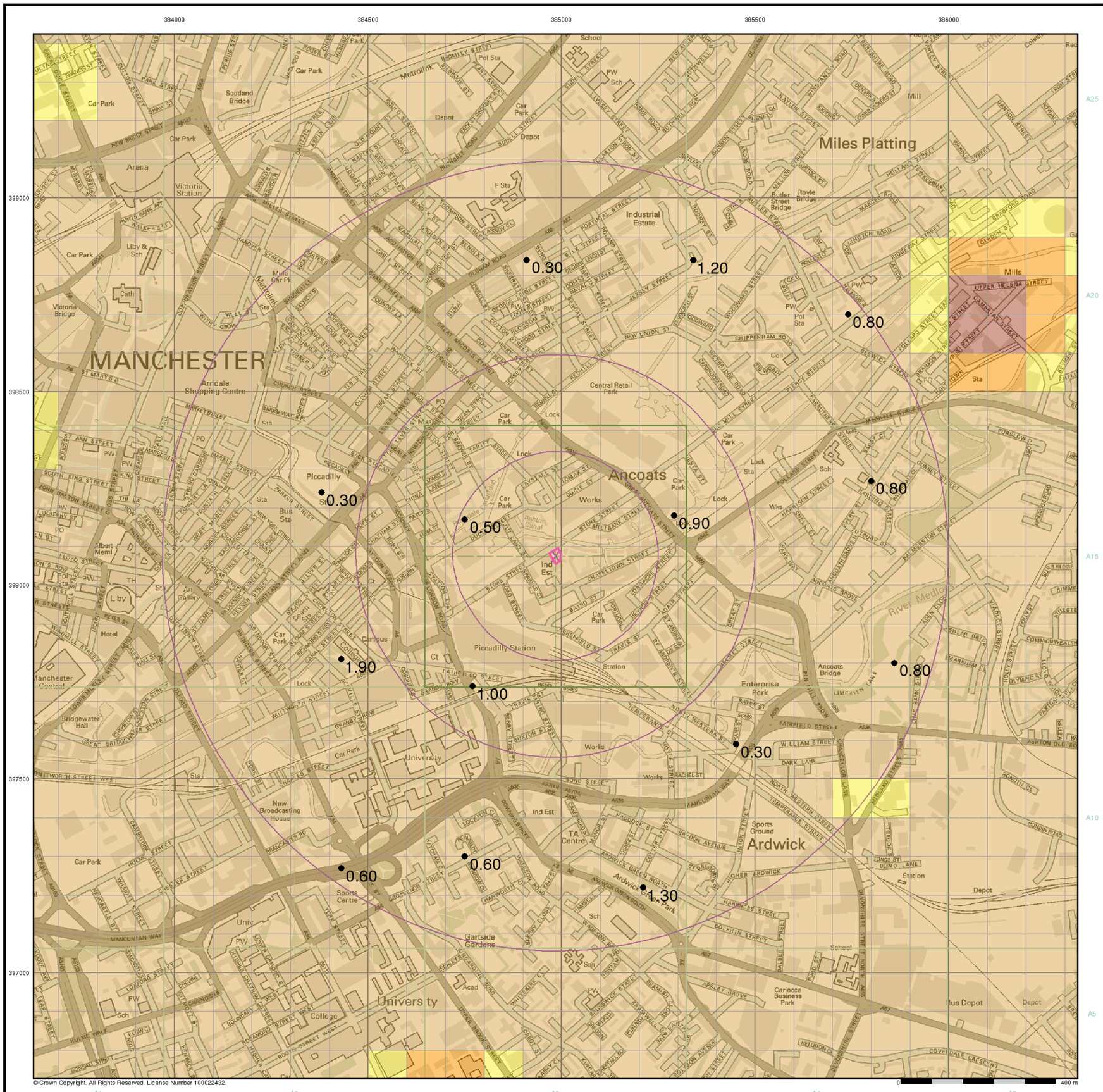

## Order Details

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| Order Details: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

Landmark Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk




geotechnics

## General

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

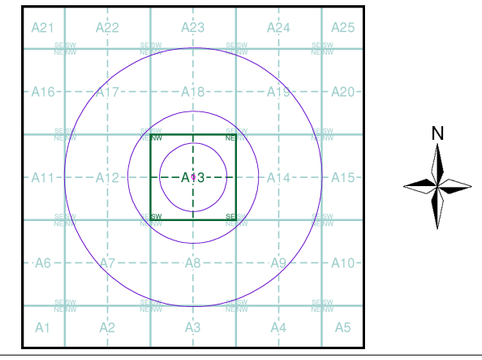
## Urban Soil Chemistry Cadmium

BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

## Urban Soil Chemistry Cadmium - Slice A



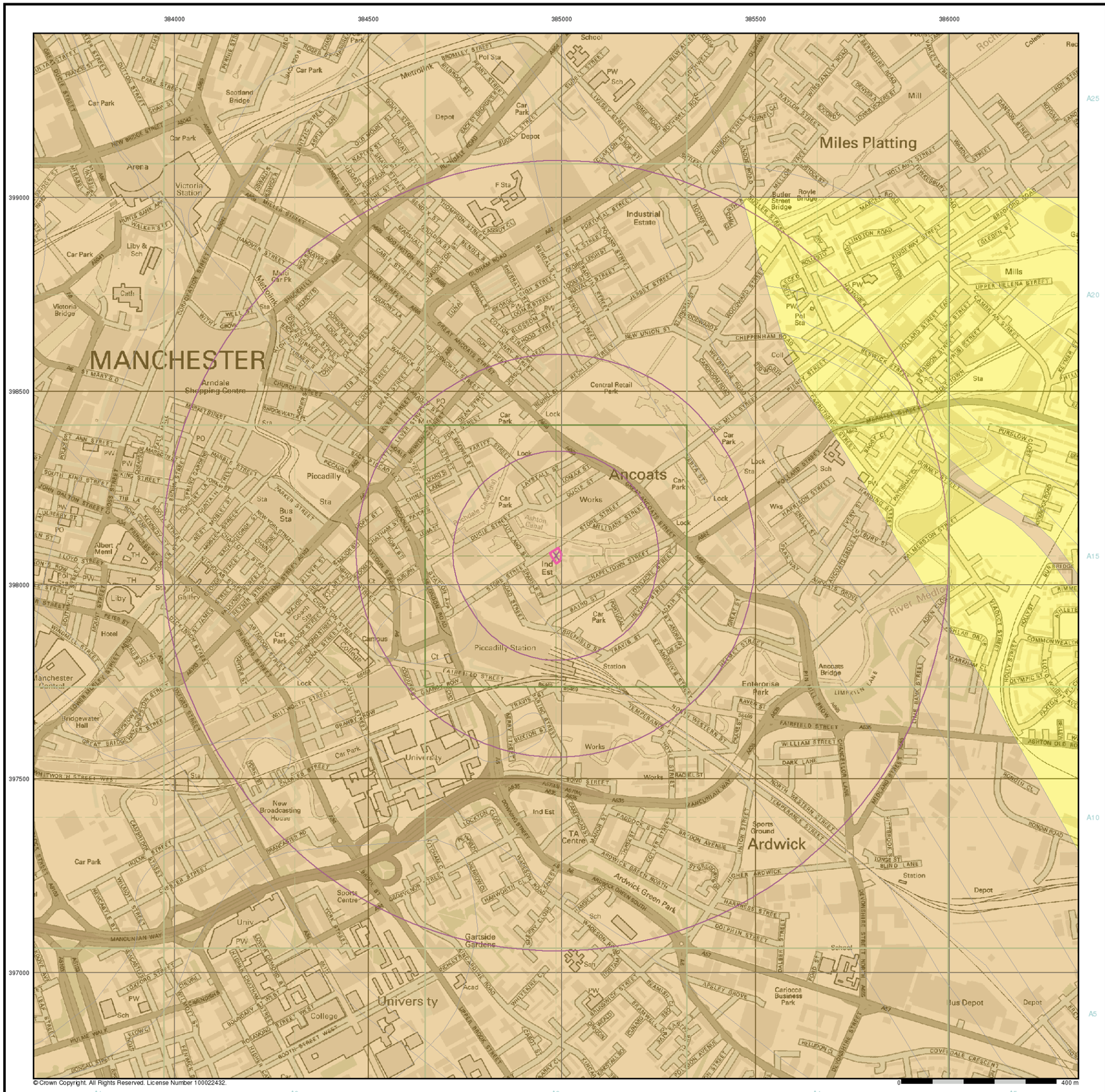

## Order Details

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| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

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




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## General

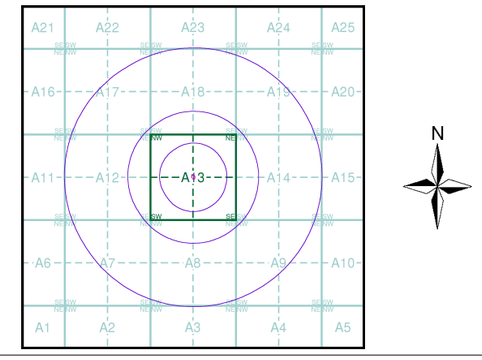
Specified Site | Specified Buffer(s) | X Bearing Reference Point

## Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

## Estimated Soil Chemistry Cadmium - Slice A



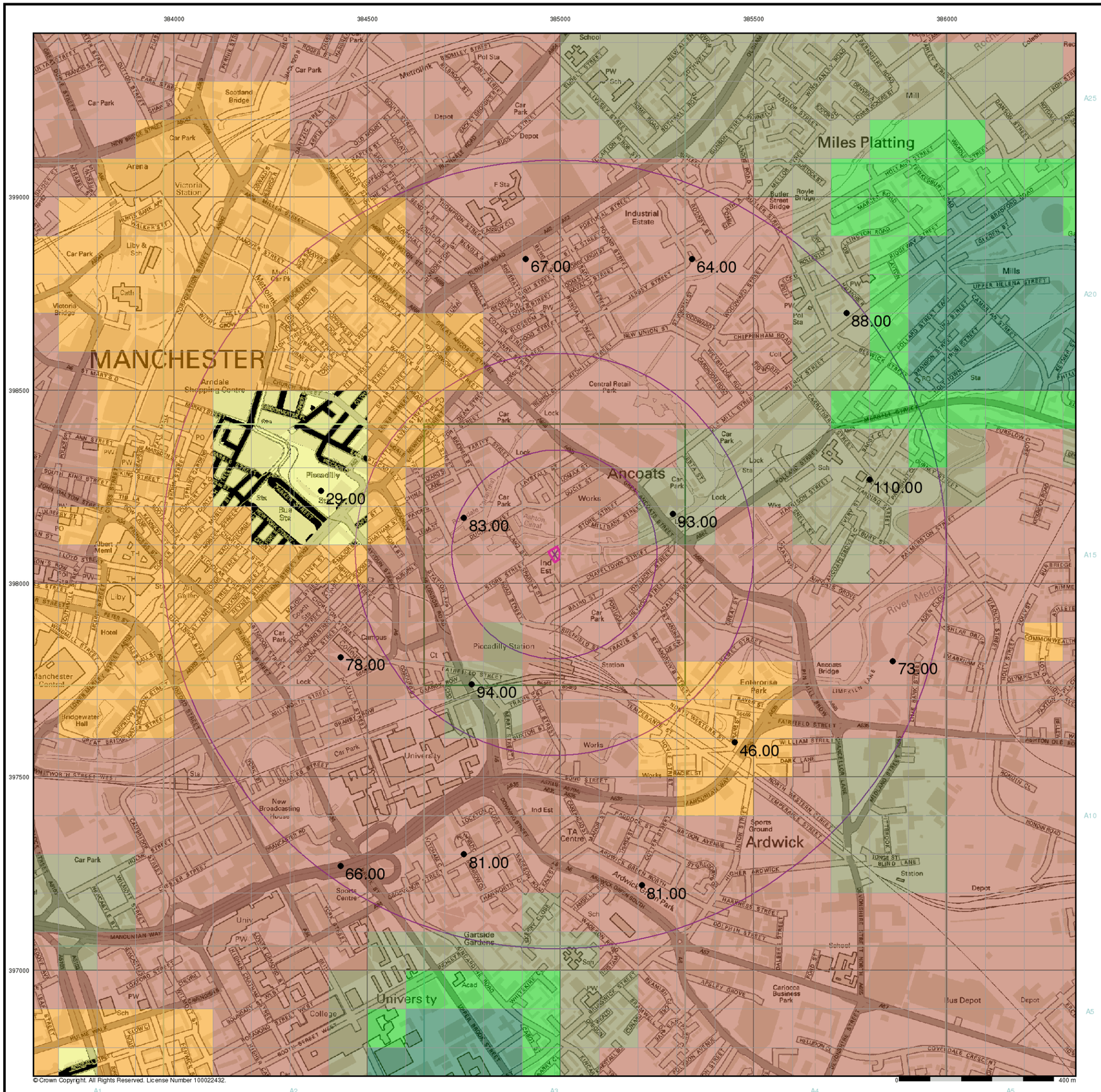

## Order Details

| | |
|---|---|
| Order Details: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
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| Search buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

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## General

Specified Site | Specified Buffer(s) | X Bearing Reference Point

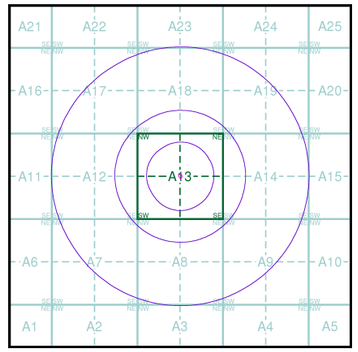
## Urban Soil Chemistry Chromium

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

## Urban Soil Chemistry Chromium - Slice A




## Order Details

| | |
|---|---|
| Order Details: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

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## General

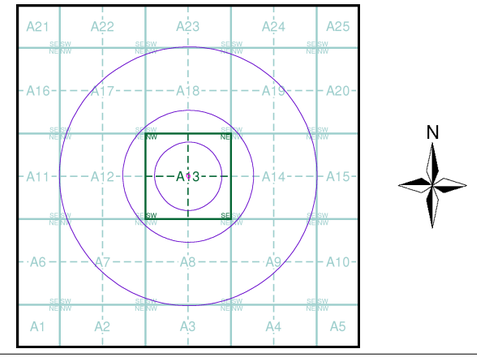
Specified Site | Specified Buffer(s) | X Bearing Reference Point

## Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

## Estimated Soil Chemistry Chromium - Slice A



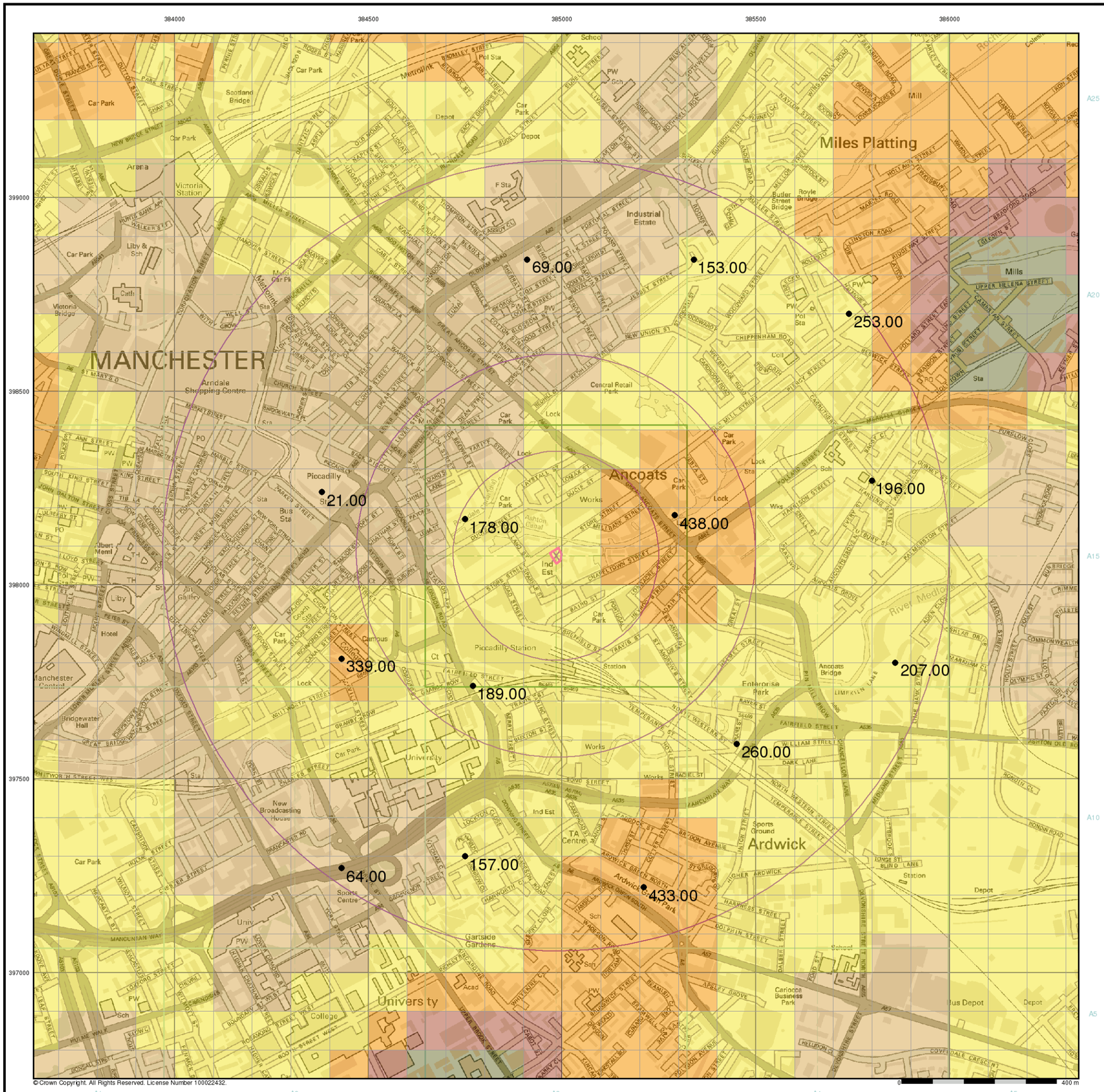

## Order Details

| | |
|---|---|
| Order Details: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
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## Site Details

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## General

Specified Site | Specified Buffer(s) | X Bearing Reference Point

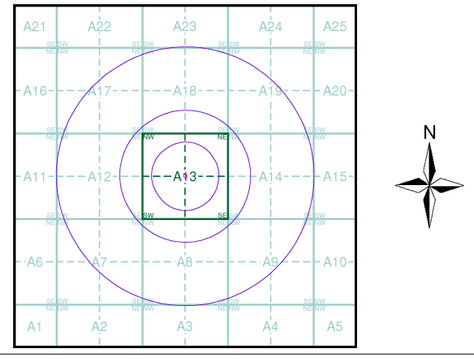
## Urban Soil Chemistry Lead

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

## Urban Soil Chemistry Lead - Slice A



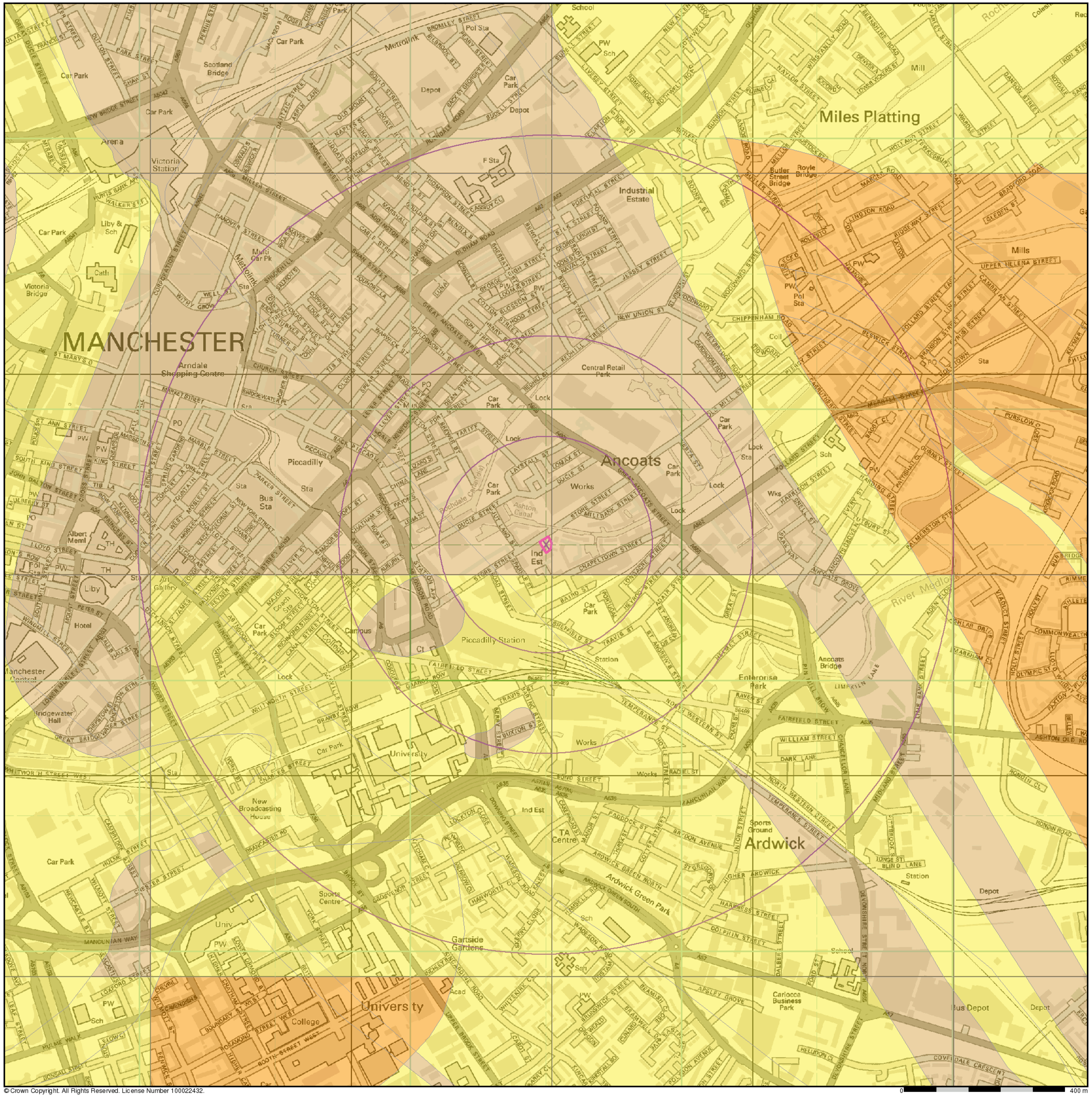

## Order Details

| | |
|---|---|
| Order Details: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384980, 398080 |
| Slice: | A |
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## General

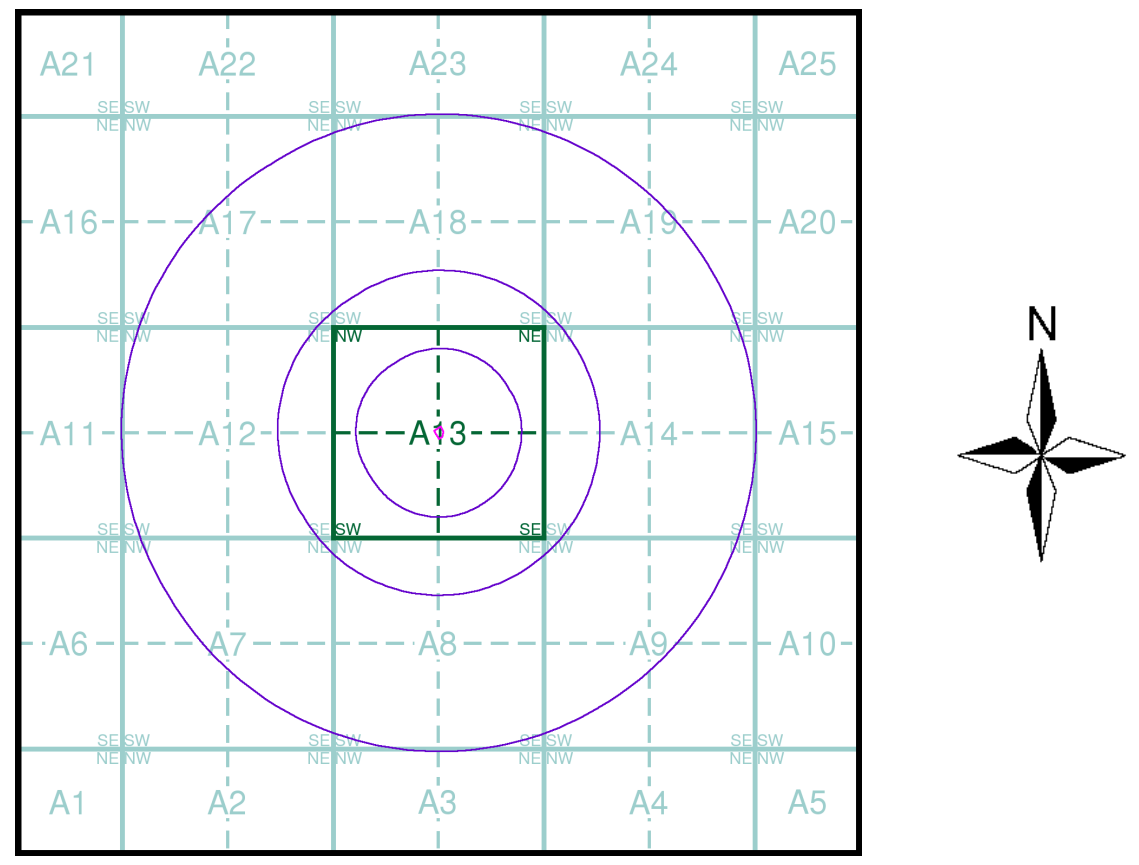
Specified Site — Specified Buffer(s) — X Bearing Reference Point

## Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

## Estimated Soil Chemistry Lead - Slice A




## Order Details

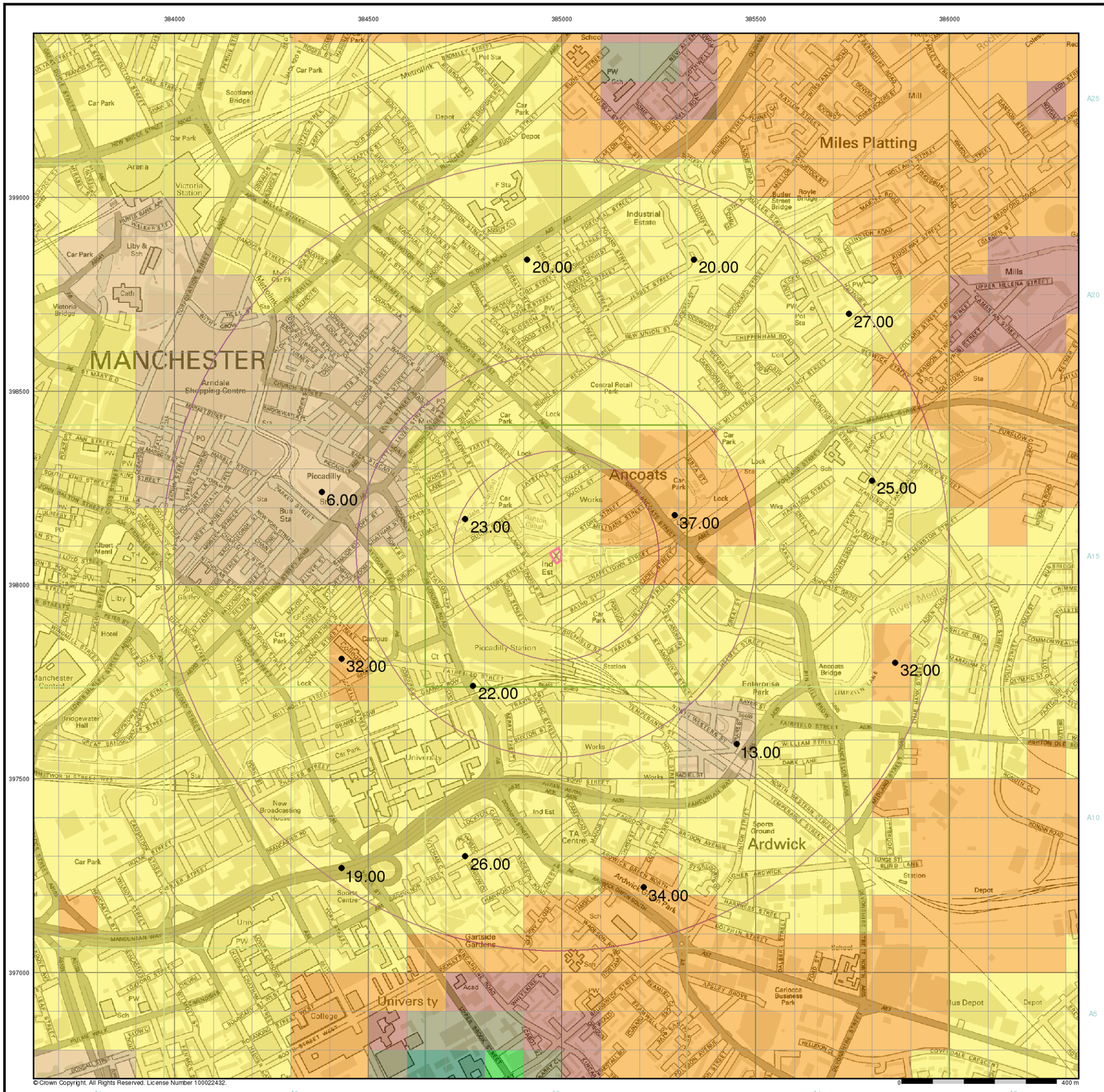
| | |
|---|---|
| Order Details: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search buffer (m): | 1000 |

## Site Details

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## General

Specified Site | Specified Buffer(s) | X Bearing Reference Point

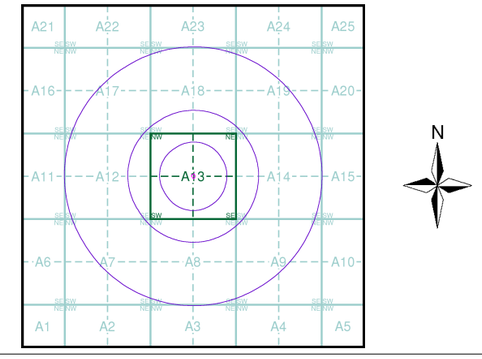
## Urban Soil Chemistry Nickel

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

## Urban Soil Chemistry Nickel - Slice A



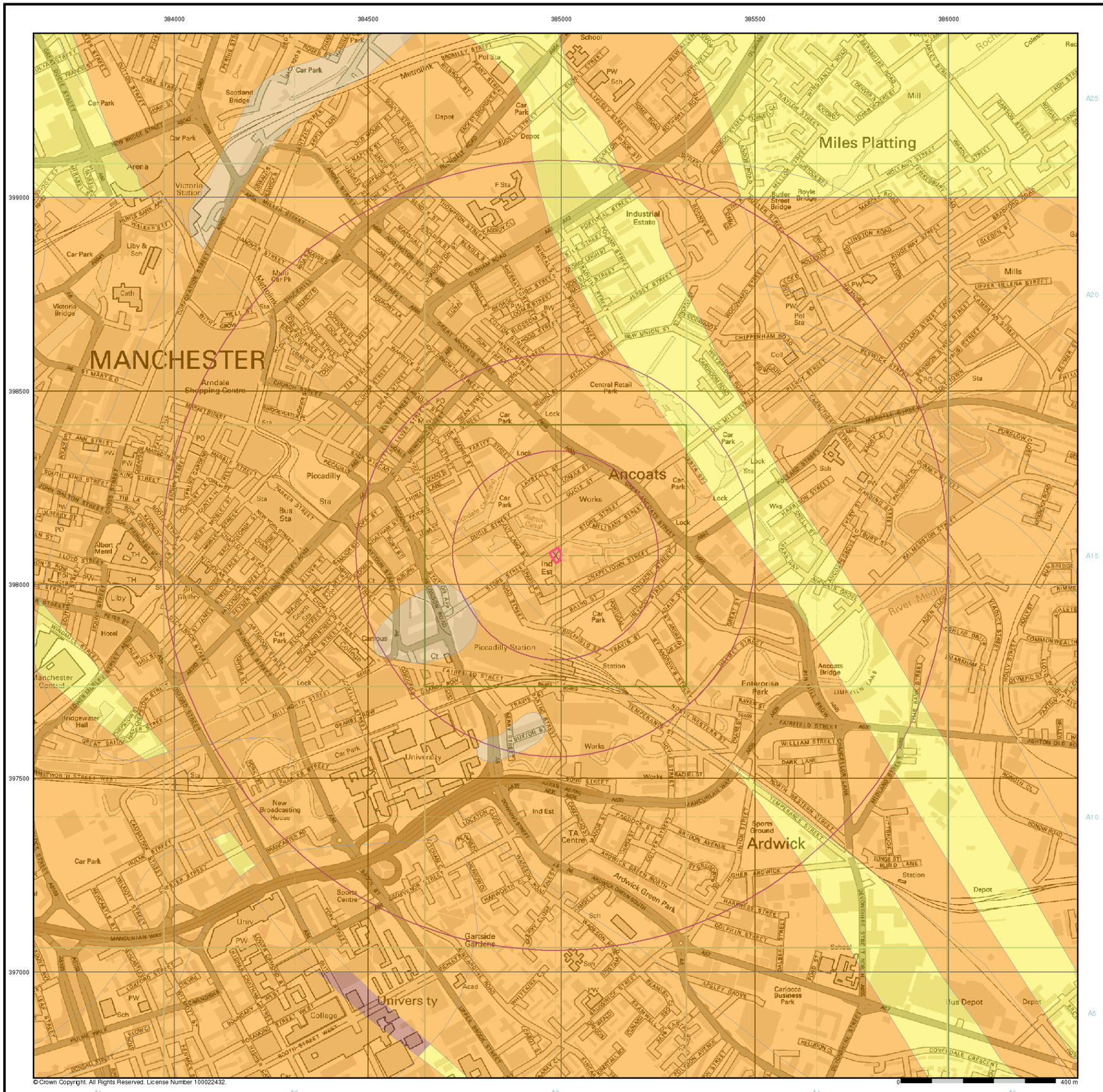

## Order Details

| | |
|---|---|
| Order Details: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search buffer (m): | 1000 |

## Site Details

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A1 A2 A3 A4 A5

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## General

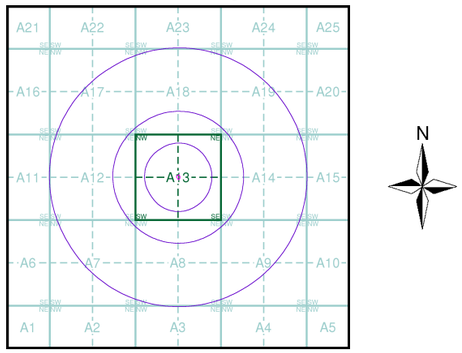
Specified Site | Specified Buffer(s) | X Bearing Reference Point

## Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

## Estimated Soil Chemistry Nickel - Slice A



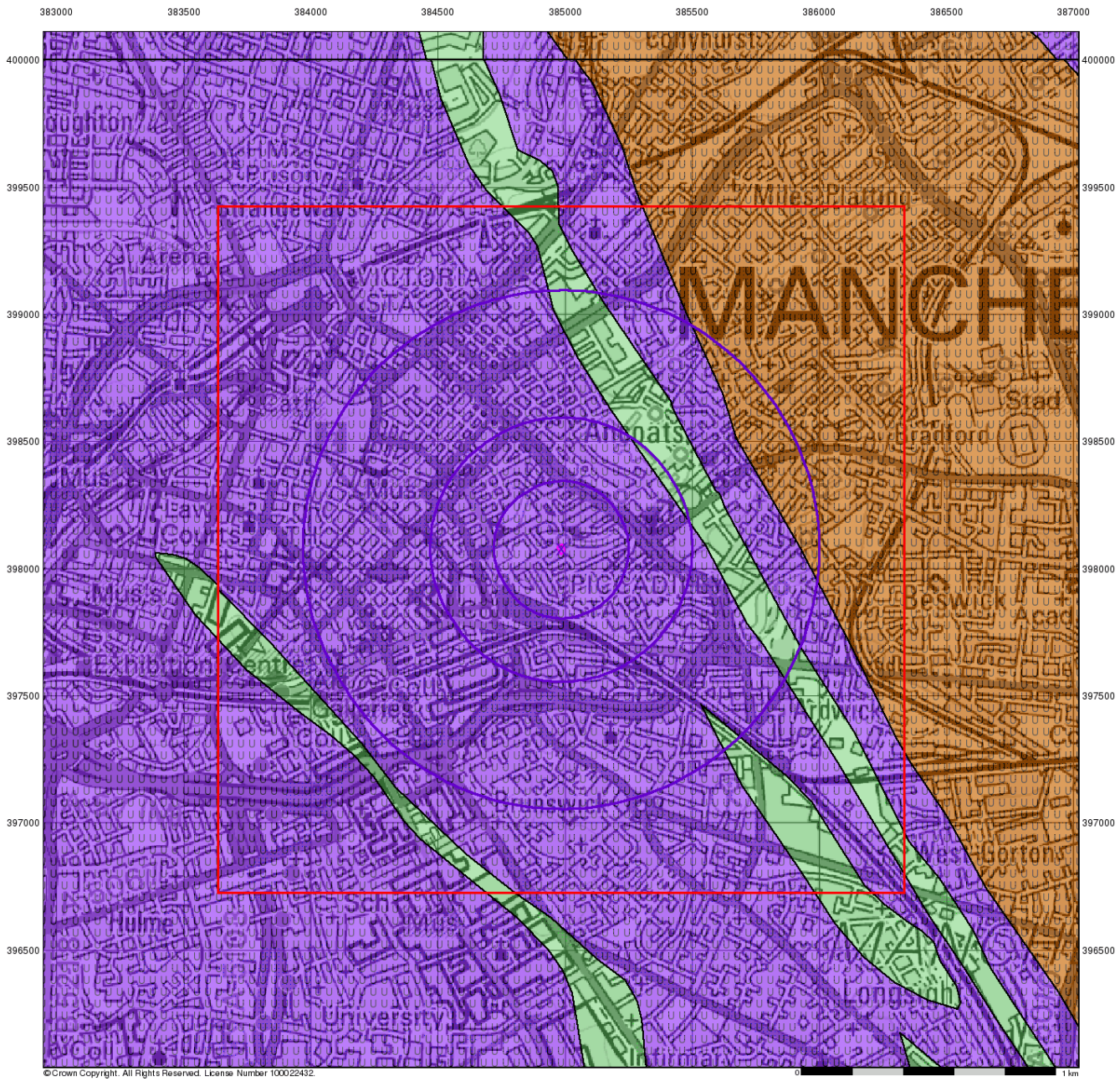

## Order Details

| | |
|---|---|
| Order Details: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
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## Site Details

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# Groundwater Vulnerability

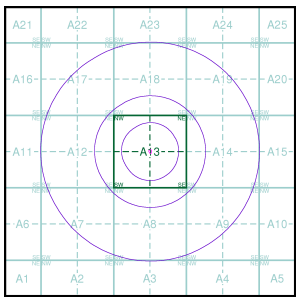
## General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

## Agency and Hydrological

| Geological Classes | Soil Classes |
|---|---|
| Major Aquifer (Highly Permeable) | High (H) 1, 2, 3, U |
| | Intermediate (I) 1, 2 |
| | Low |
| Minor Aquifer (Variably Permeable) | High (H) 1, 2, 3, U |
| | Intermediate (I) 1, 2 |
| | Low |
| Non Aquifer (Negligibly Permeable) | |
| Water or Sea | |
| Drift Deposit | |

## Site Sensitivity Context Map - Slice A



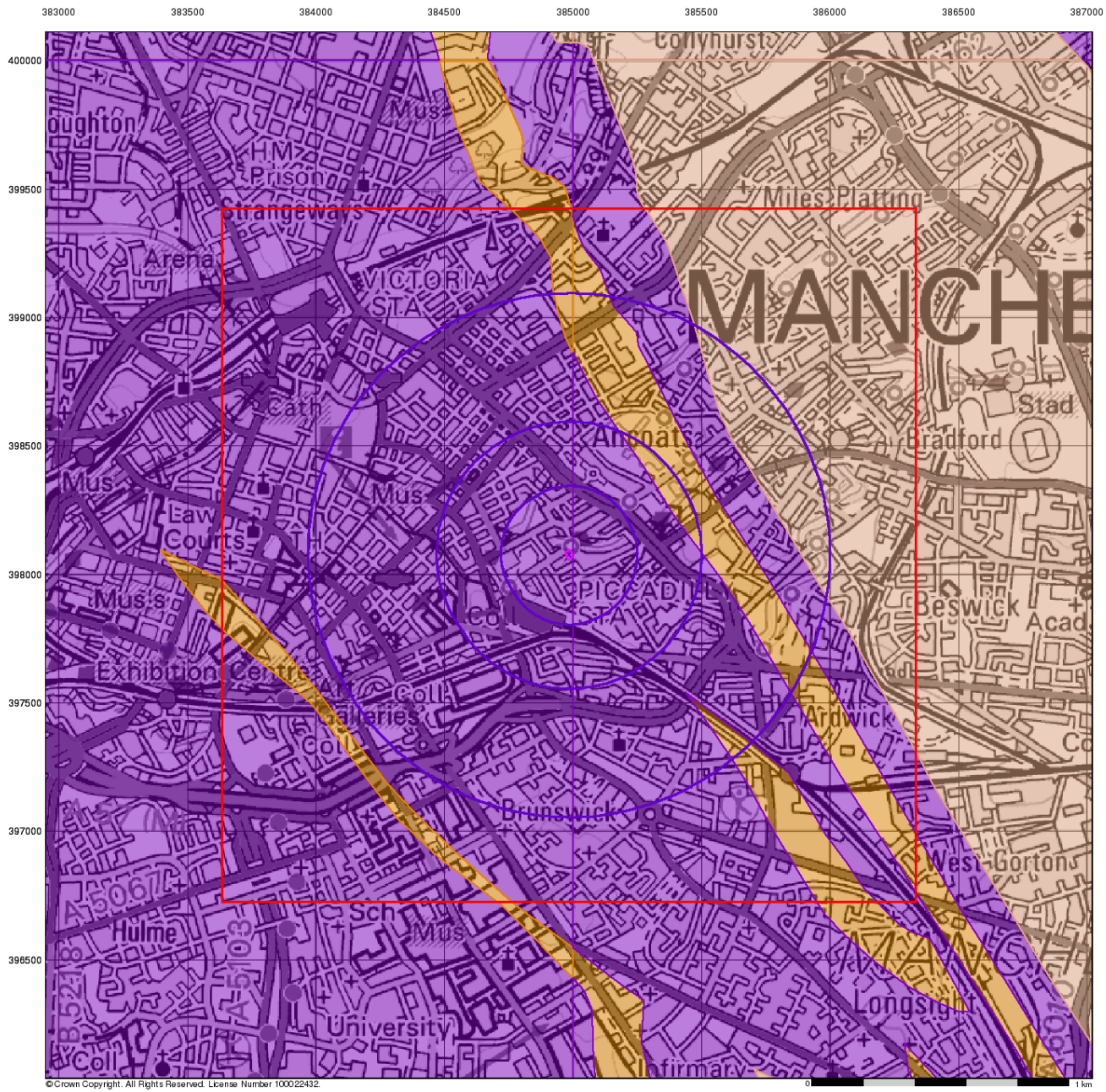

## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

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# Bedrock Aquifer Designation

## General

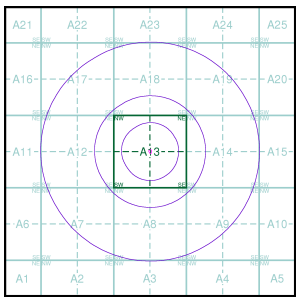
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

## Agency and Hydrological

**Geological Classes**

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

## Site Sensitivity Context Map - Slice A



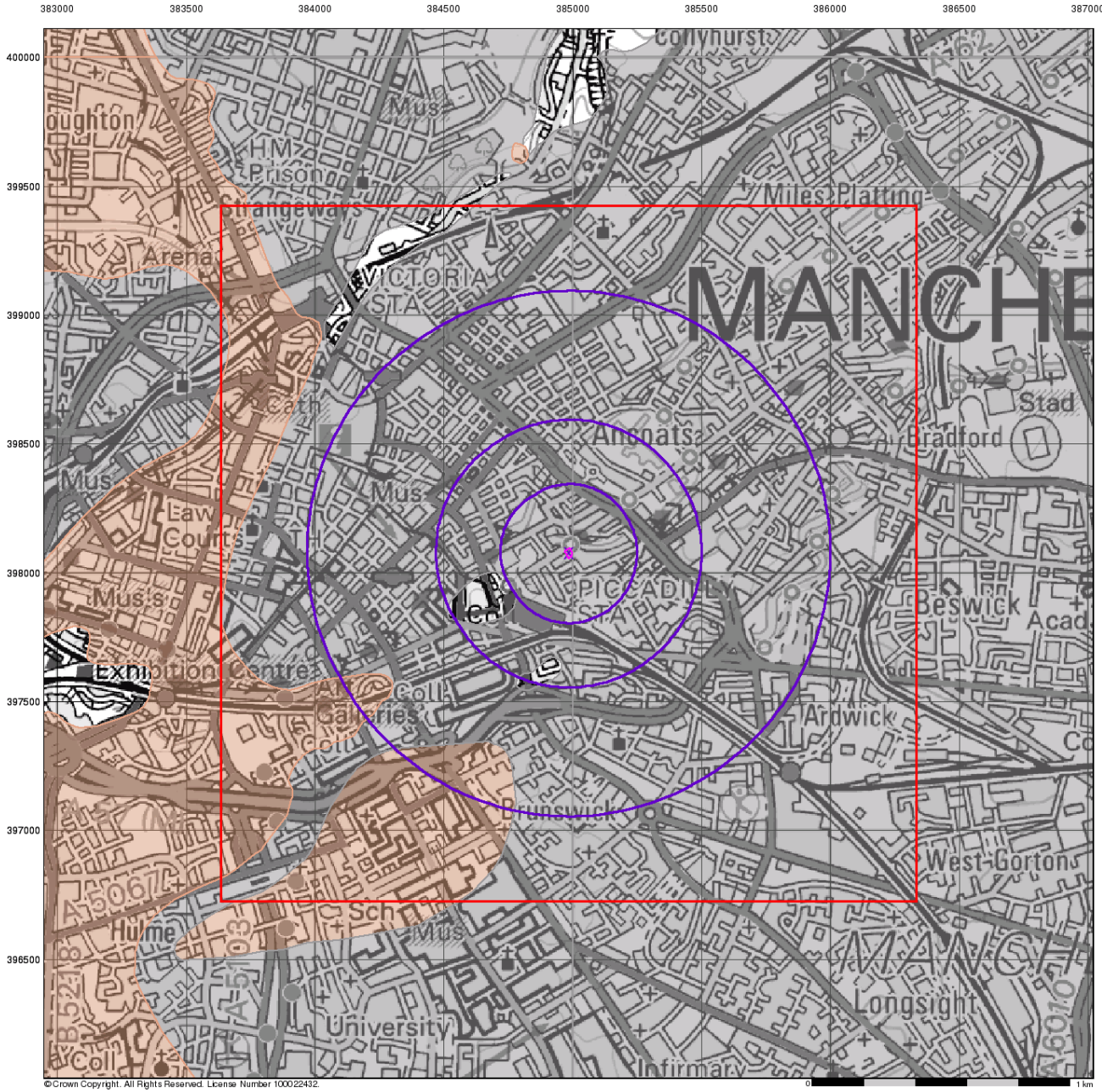

## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

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## Superficial Aquifer Designation

### General

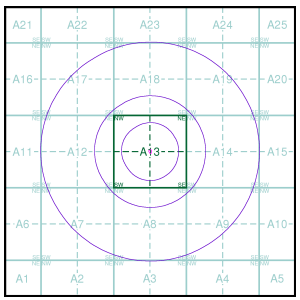
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

### Agency and Hydrological

**Geological Classes**

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice A



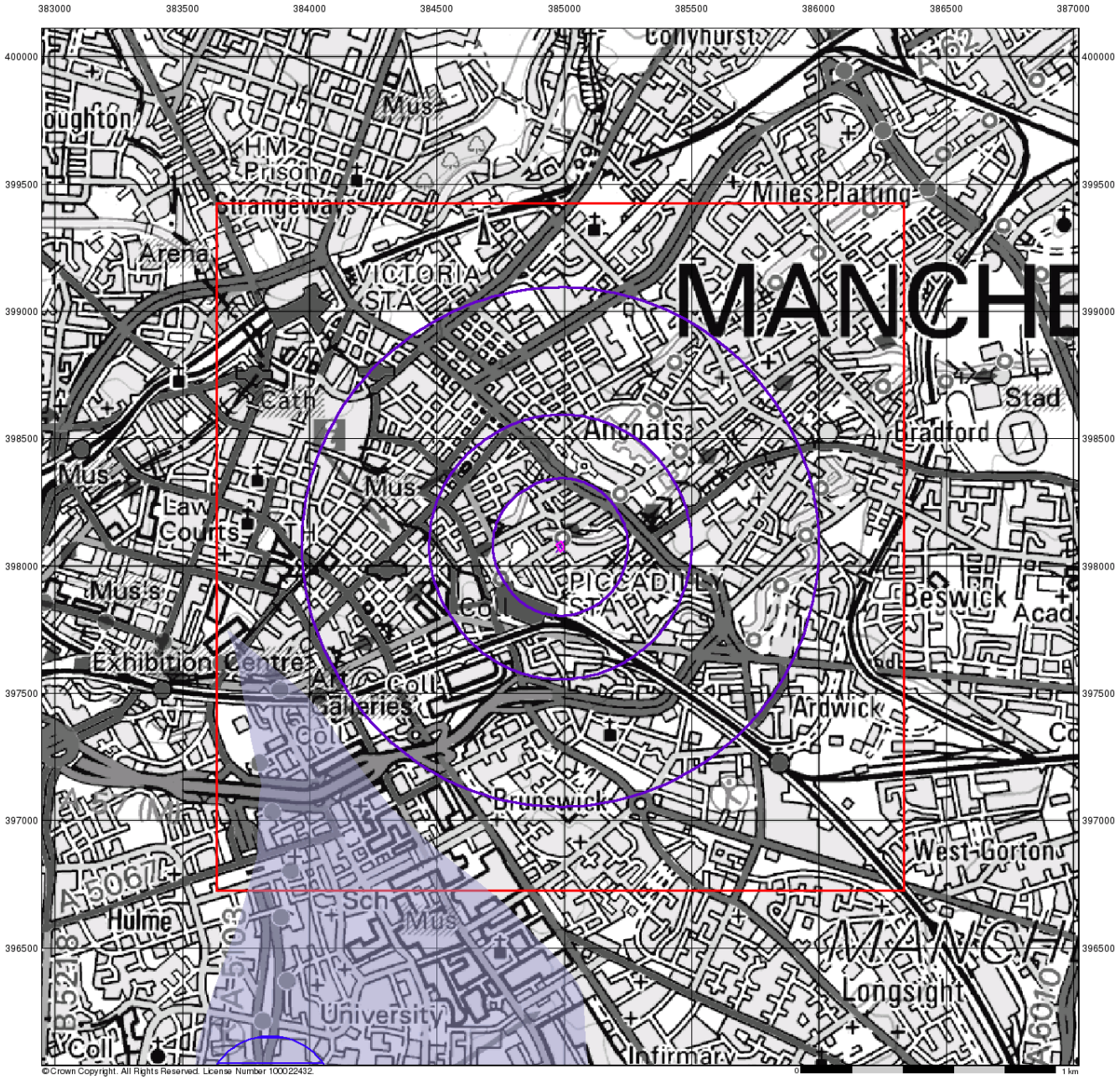

### Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
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### Site Details

Site at 384980, 398080

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## Source Protection Zones

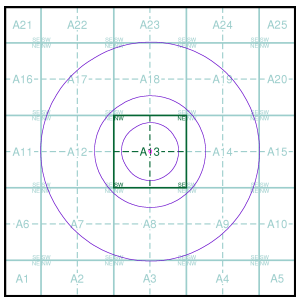
### General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

### Agency and Hydrological

Source Protection Zone I
Source Protection Zone II
Source Protection Zone III
Zone of Special Interest
Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice A



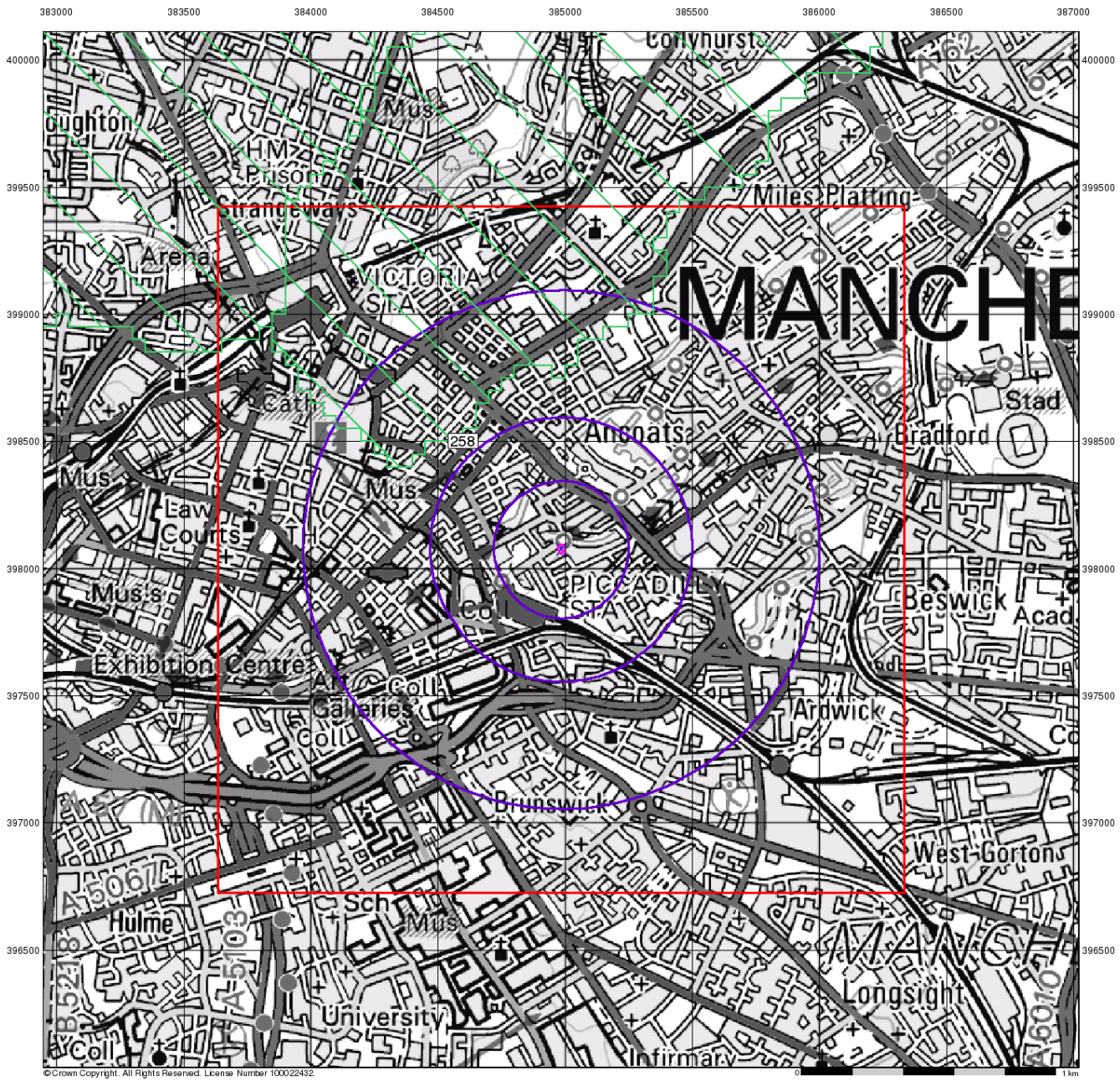

### Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
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# Sensitive Land Uses

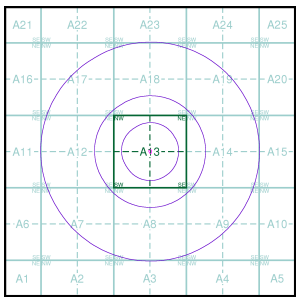
## General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

## Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

## Site Sensitivity Context Map - Slice A




## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

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# Envirocheck® Report:

# BGS Boreholes Datasheet

## Order Details:

**Order Number:**
59513547_1_1

**Customer Reference:**
PN143226

**National Grid Reference:**
384990, 398080

**Slice:**
A

**Site Area (Ha):**
0.07

**Borehole Search Buffer (m):**
1000

## Site Details:

Site at 384980, 398080

## Client Details:

Mr J Booth
Geotechnics Ltd
The Geotechnical Centre
Unit 1 Borders Industrial Park
River Lane
Saltney
CH4 8RJ

# BGS Boreholes Summary

| Data Type | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m |
|---|---|---|---|---|---|
| BGS Boreholes | pg 1 | None | 46 | 145 | 436 |

**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 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 the attached 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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A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

**Report Version v47.0**

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 259 | **BGS Boreholes**<br>BGS Reference: Sj89nw3954<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre 4<br>Link to Borehole Scan: Not Available | A13SW (W) | 32 | 2 | 384940 398070 |
| 260 | **BGS Boreholes**<br>BGS Reference: Sj89nw5<br>Drilled Length (m): 9.45<br>Borehole Name: Manchester Corp. Near London Road Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042147/ | A13SW (W) | 40 | 2 | 384935 398063 |
| 261 | **BGS Boreholes**<br>BGS Reference: Sj89ne258<br>Drilled Length (m): Not Supplied<br>Borehole Name: Piccadilly Village Manchester 101<br>Link to Borehole Scan: Not Available | A13NE (NE) | 101 | 2 | 385083 398135 |
| 261 | **BGS Boreholes**<br>BGS Reference: Sj89ne257<br>Drilled Length (m): Not Supplied<br>Borehole Name: Piccadilly Village Manchester 100<br>Link to Borehole Scan: Not Available | A13NE (NE) | 110 | 2 | 385089 398143 |
| 262 | **BGS Boreholes**<br>BGS Reference: Sj89nw3953<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre 3<br>Link to Borehole Scan: Not Available | A13NW (W) | 110 | 2 | 384860 398090 |
| 262 | **BGS Boreholes**<br>BGS Reference: Sj89nw3963<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tt 7<br>Link to Borehole Scan: Not Available | A13NW (W) | 120 | 2 | 384850 398080 |
| 262 | **BGS Boreholes**<br>BGS Reference: Sj89nw3961<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tp 5<br>Link to Borehole Scan: Not Available | A13SW (W) | 130 | 2 | 384840 398070 |
| 262 | **BGS Boreholes**<br>BGS Reference: Sj89nw3957<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tp 1<br>Link to Borehole Scan: Not Available | A13NW (W) | 148 | 2 | 384830 398130 |
| 263 | **BGS Boreholes**<br>BGS Reference: Sj89nw3960<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tp 4<br>Link to Borehole Scan: Not Available | A13SW (W) | 136 | 2 | 384840 398040 |
| 263 | **BGS Boreholes**<br>BGS Reference: Sj89nw3967<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tp 11/11a<br>Link to Borehole Scan: Not Available | A13SW (W) | 166 | 2 | 384820 398010 |
| 263 | **BGS Boreholes**<br>BGS Reference: Sj89nw3962<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tp 6<br>Link to Borehole Scan: Not Available | A13SW (SW) | 171 | 2 | 384820 398000 |
| 263 | **BGS Boreholes**<br>BGS Reference: Sj89nw3952<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre 2<br>Link to Borehole Scan: Not Available | A13SW (W) | 184 | 2 | 384790 398040 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 263 | **BGS Boreholes**<br>BGS Reference: Sj89nw3968<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tt 12<br>Link to Borehole Scan: Not Available | A13SW (W) | 187 | 2 | 384790 398030 |
| 264 | **BGS Boreholes**<br>BGS Reference: Sj89ne2004<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bha2<br>Link to Borehole Scan: Not Available | A13SE (SE) | 147 | 2 | 385110 397970 |
| 265 | **BGS Boreholes**<br>BGS Reference: Sj89ne1955<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tpa 3<br>Link to Borehole Scan: Not Available | A13SE (SE) | 151 | 2 | 385070 397930 |
| 266 | **BGS Boreholes**<br>BGS Reference: Sj89nw4<br>Drilled Length (m): 9.45<br>Borehole Name: Manchester Corp. Near London Road Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042146/ | A13SW (SW) | 154 | 2 | 384836 398006 |
| 266 | **BGS Boreholes**<br>BGS Reference: Sj89nw4079<br>Drilled Length (m): 9<br>Borehole Name: Store Street Manchester 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15992210/ | A13SW (W) | 188 | 2 | 384800 398000 |
| 267 | **BGS Boreholes**<br>BGS Reference: Sj89nw4009<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tpa1<br>Link to Borehole Scan: Not Available | A13SW (S) | 160 | 2 | 384950 397900 |
| 268 | **BGS Boreholes**<br>BGS Reference: Sj89nw3956<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre 6<br>Link to Borehole Scan: Not Available | A13NW (W) | 171 | 2 | 384800 398100 |
| 268 | **BGS Boreholes**<br>BGS Reference: Sj89nw3958<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tp 2<br>Link to Borehole Scan: Not Available | A13NW (W) | 172 | 2 | 384800 398110 |
| 269 | **BGS Boreholes**<br>BGS Reference: Sj89ne2002<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bha1<br>Link to Borehole Scan: Not Available | A13SE (S) | 178 | 2 | 385010 397880 |
| 269 | **BGS Boreholes**<br>BGS Reference: Sj89ne2003<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bha1a<br>Link to Borehole Scan: Not Available | A13SE (S) | 178 | 2 | 385010 397880 |
| 270 | **BGS Boreholes**<br>BGS Reference: Sj89ne1956<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tpa 4<br>Link to Borehole Scan: Not Available | A13SE (E) | 183 | 2 | 385170 398010 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 270 | **BGS Boreholes**<br>BGS Reference: Sj89ne2005<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb1<br>Link to Borehole Scan: Not Available | A13SE (E) | 199 | 2 | 385190 398020 |
| 271 | **BGS Boreholes**<br>BGS Reference: Sj89nw353<br>Drilled Length (m): 15<br>Borehole Name: Central Retail Park Great Ancoats Street 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042547/ | A13NW (NW) | 190 | 2 | 384850 398230 |
| 271 | **BGS Boreholes**<br>BGS Reference: Sj89nw354<br>Drilled Length (m): 15<br>Borehole Name: Central Retail Park Great Ancoats Street 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042548/ | A13NW (NW) | 190 | 2 | 384850 398230 |
| 271 | **BGS Boreholes**<br>BGS Reference: Sj89nw355<br>Drilled Length (m): 15<br>Borehole Name: Central Retail Park Great Ancoats Street 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042549/ | A13NW (NW) | 190 | 2 | 384850 398230 |
| 271 | **BGS Boreholes**<br>BGS Reference: Sj89nw356<br>Drilled Length (m): 15<br>Borehole Name: Central Retail Park Great Ancoats Street 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042550/ | A13NW (NW) | 190 | 2 | 384850 398230 |
| 271 | **BGS Boreholes**<br>BGS Reference: Sj89nw358<br>Drilled Length (m): 15<br>Borehole Name: Central Retail Park Great Ancoats Street 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042552/ | A13NW (NW) | 190 | 2 | 384850 398230 |
| 271 | **BGS Boreholes**<br>BGS Reference: Sj89nw359<br>Drilled Length (m): 15<br>Borehole Name: Central Retail Park Great Ancoats Street 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042553/ | A13NW (NW) | 190 | 2 | 384850 398230 |
| 271 | **BGS Boreholes**<br>BGS Reference: Sj89nw360<br>Drilled Length (m): 15<br>Borehole Name: Central Retail Park Great Ancoats Street 8<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042554/ | A13NW (NW) | 190 | 2 | 384850 398230 |
| 271 | **BGS Boreholes**<br>BGS Reference: Sj89nw363<br>Drilled Length (m): 15<br>Borehole Name: Central Retail Park Great Ancoats Street 11<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042557/ | A13NW (NW) | 206 | 2 | 384850 398250 |
| 271 | **BGS Boreholes**<br>BGS Reference: Sj89nw364<br>Drilled Length (m): 15<br>Borehole Name: Central Retail Park Great Ancoats Street 12<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042558/ | A13NW (NW) | 206 | 2 | 384850 398250 |
| 271 | **BGS Boreholes**<br>BGS Reference: Sj89nw365<br>Drilled Length (m): 15<br>Borehole Name: Central Retail Park Great Ancoats Street 13<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042559/ | A13NW (NW) | 206 | 2 | 384850 398250 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 272 | **BGS Boreholes**<br>BGS Reference: Sj89nw357<br>Drilled Length (m): 10<br>Borehole Name: Central Retail Park Great Ancoats Street 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042551/ | A13NW (NW) | 190 | 2 | 384850 398230 |
| 272 | **BGS Boreholes**<br>BGS Reference: Sj89nw361<br>Drilled Length (m): 10<br>Borehole Name: Central Retail Park Great Ancoats Street 9<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042555/ | A13NW (NW) | 190 | 2 | 384850 398230 |
| 272 | **BGS Boreholes**<br>BGS Reference: Sj89nw362<br>Drilled Length (m): 10<br>Borehole Name: Central Retail Park Great Ancoats Street 10<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042556/ | A13NW (NW) | 206 | 2 | 384850 398250 |
| 273 | **BGS Boreholes**<br>BGS Reference: Sj89ne1954<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tpa2<br>Link to Borehole Scan: Not Available | A13SE (S) | 200 | 2 | 385060 397870 |
| 274 | **BGS Boreholes**<br>BGS Reference: Sj89nw3959<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tt 3<br>Link to Borehole Scan: Not Available | A13SW (SW) | 215 | 2 | 384780 397980 |
| 274 | **BGS Boreholes**<br>BGS Reference: Sj89nw3955<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre 5<br>Link to Borehole Scan: Not Available | A13SW (SW) | 224 | 2 | 384770 397980 |
| 274 | **BGS Boreholes**<br>BGS Reference: Sj89nw3951<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre 1<br>Link to Borehole Scan: Not Available | A13SW (W) | 244 | 2 | 384740 398000 |
| 274 | **BGS Boreholes**<br>BGS Reference: Sj89nw3965<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tp 9<br>Link to Borehole Scan: Not Available | A13SW (SW) | 251 | 2 | 384750 397960 |
| 274 | **BGS Boreholes**<br>BGS Reference: Sj89nw3966<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tt 10<br>Link to Borehole Scan: Not Available | A13SW (W) | 253 | 2 | 384730 398000 |
| 274 | **BGS Boreholes**<br>BGS Reference: Sj89nw3964<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester International Trade Centre Tp 8/8a<br>Link to Borehole Scan: Not Available | A13SW (W) | 257 | 2 | 384730 397990 |
| 275 | **BGS Boreholes**<br>BGS Reference: Sj89ne2006<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb2<br>Link to Borehole Scan: Not Available | A13SE (E) | 226 | 2 | 385220 398030 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 275 | **BGS Boreholes**<br>BGS Reference: Sj89ne1957<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B1<br>Link to Borehole Scan: Not Available | A13SE (E) | 234 | 2 | 385230 398040 |
| 275 | **BGS Boreholes**<br>BGS Reference: Sj89ne2007<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb3<br>Link to Borehole Scan: Not Available | A13SE (E) | 242 | 2 | 385240 398060 |
| 275 | **BGS Boreholes**<br>BGS Reference: Sj89ne1958<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B2<br>Link to Borehole Scan: Not Available | A13SE (E) | 242 | 2 | 385240 398060 |
| 276 | **BGS Boreholes**<br>BGS Reference: Sj89ne86<br>Drilled Length (m): 23.16<br>Borehole Name: Manchester Corp. Great Ancoats Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936487/ | A13NE (NE) | 241 | 2 | 385100 398309 |
| 277 | **BGS Boreholes**<br>BGS Reference: Sj89nw4078<br>Drilled Length (m): 7<br>Borehole Name: Store Street Manchester 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15992209/ | A13SW (W) | 257 | 2 | 384730 397990 |
| 278 | **BGS Boreholes**<br>BGS Reference: Sj89nw3992<br>Drilled Length (m): 6<br>Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 10<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637501/ | A13NW (W) | 275 | 2 | 384697 398121 |
| 279 | **BGS Boreholes**<br>BGS Reference: Sj89ne2008<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb4<br>Link to Borehole Scan: Not Available | A13NE (E) | 281 | 2 | 385280 398090 |
| 279 | **BGS Boreholes**<br>BGS Reference: Sj89ne2009<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb4a<br>Link to Borehole Scan: Not Available | A13NE (E) | 292 | 2 | 385290 398100 |
| 279 | **BGS Boreholes**<br>BGS Reference: Sj89ne2010<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb5<br>Link to Borehole Scan: Not Available | A13NE (E) | 312 | 2 | 385310 398110 |
| 279 | **BGS Boreholes**<br>BGS Reference: Sj89ne1959<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B3<br>Link to Borehole Scan: Not Available | A13NE (E) | 315 | 2 | 385310 398130 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 279 | **BGS Boreholes**<br>BGS Reference: Sj89ne2011<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb6<br>Link to Borehole Scan: Not Available | A13NE (E) | 327 | 2 | 385320 398140 |
| 279 | **BGS Boreholes**<br>BGS Reference: Sj89ne1960<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B4<br>Link to Borehole Scan: Not Available | A14NW (E) | 338 | 2 | 385330 398150 |
| 279 | **BGS Boreholes**<br>BGS Reference: Sj89ne2012<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb7<br>Link to Borehole Scan: Not Available | A14NW (E) | 360 | 2 | 385350 398160 |
| 280 | **BGS Boreholes**<br>BGS Reference: Sj89ne87<br>Drilled Length (m): 9.45<br>Borehole Name: Manchester Corp. Mill Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936488/ | A13NE (NE) | 288 | 2 | 385214 398275 |
| 281 | **BGS Boreholes**<br>BGS Reference: Sj89ne33<br>Drilled Length (m): 23.77<br>Borehole Name: Manchester Corp. St. Andrew'S Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936434/ | A13SE (SE) | 290 | 2 | 385228 397889 |
| 282 | **BGS Boreholes**<br>BGS Reference: Sj89nw3989<br>Drilled Length (m): 5.2<br>Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637498/ | A13NW (NW) | 308 | 2 | 384727 398272 |
| 283 | **BGS Boreholes**<br>BGS Reference: Sj89ne1888<br>Drilled Length (m): 2.9<br>Borehole Name: Ashton Canal Corridor Tp 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629933/ | A13NE (E) | 309 | 2 | 385300 398150 |
| 283 | **BGS Boreholes**<br>BGS Reference: Sj89ne1889<br>Drilled Length (m): 2<br>Borehole Name: Ashton Canal Corridor Tp 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629934/ | A13NE (E) | 315 | 2 | 385310 398130 |
| 283 | **BGS Boreholes**<br>BGS Reference: Sj89ne1890<br>Drilled Length (m): 2<br>Borehole Name: Ashton Canal Corridor Tp 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629935/ | A14NW (E) | 333 | 2 | 385330 398120 |
| 283 | **BGS Boreholes**<br>BGS Reference: Sj89ne1891<br>Drilled Length (m): 2.3<br>Borehole Name: Ashton Canal Corridor Tp 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629936/ | A14NW (E) | 341 | 2 | 385330 398160 |
| 283 | **BGS Boreholes**<br>BGS Reference: Sj89ne1892<br>Drilled Length (m): 3.1<br>Borehole Name: Ashton Canal Corridor Tp 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629937/ | A14NW (E) | 348 | 2 | 385340 398150 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 284 | **BGS Boreholes**<br>BGS Reference: Sj89ne588<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Parcels Office 11<br>Link to Borehole Scan: Not Available | A13SE (SE) | 310 | 2 | 385230 397860 |
| 285 | **BGS Boreholes**<br>BGS Reference: Sj89ne923<br>Drilled Length (m): 11.43<br>Borehole Name: Manchester Parcels Office<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937340/ | A13SE (SE) | 311 | 2 | 385190 397820 |
| 285 | **BGS Boreholes**<br>BGS Reference: Sj89ne579<br>Drilled Length (m): 11.43<br>Borehole Name: Manchester Parcels Office 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936996/ | A13SE (SE) | 317 | 2 | 385200 397820 |
| 286 | **BGS Boreholes**<br>BGS Reference: Sj89ne587<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Parcels Office 10<br>Link to Borehole Scan: Not Available | A13SE (SE) | 321 | 2 | 385180 397800 |
| 287 | **BGS Boreholes**<br>BGS Reference: Sj89nw3991<br>Drilled Length (m): 6.5<br>Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 9<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637500/ | A13NW (W) | 329 | 2 | 384665 398206 |
| 288 | **BGS Boreholes**<br>BGS Reference: Sj89nw868<br>Drilled Length (m): Not Supplied<br>Borehole Name: National Express Coach Station Tp 5<br>Link to Borehole Scan: Not Available | A8NW (S) | 331 | 2 | 384930 397730 |
| 288 | **BGS Boreholes**<br>BGS Reference: Sj89nw867<br>Drilled Length (m): Not Supplied<br>Borehole Name: National Express Coach Station Tp 4<br>Link to Borehole Scan: Not Available | A8NW (S) | 344 | 2 | 384910 397720 |
| 288 | **BGS Boreholes**<br>BGS Reference: Sj89nw872<br>Drilled Length (m): Not Supplied<br>Borehole Name: National Express Coach Station 4<br>Link to Borehole Scan: Not Available | A8NW (S) | 344 | 2 | 384910 397720 |
| 289 | **BGS Boreholes**<br>BGS Reference: Sj89nw2<br>Drilled Length (m): 8.84<br>Borehole Name: Manchester Corp. Near London Road Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042144/ | A13SW (SW) | 333 | 2 | 384688 397904 |
| 290 | **BGS Boreholes**<br>BGS Reference: Sj89nw866<br>Drilled Length (m): Not Supplied<br>Borehole Name: National Express Coach Station Tp 3<br>Link to Borehole Scan: Not Available | A8NW (S) | 346 | 2 | 384870 397730 |
| 290 | **BGS Boreholes**<br>BGS Reference: Sj89nw865<br>Drilled Length (m): Not Supplied<br>Borehole Name: National Express Coach Station Tp 2<br>Link to Borehole Scan: Not Available | A8NW (S) | 377 | 2 | 384860 397700 |
| 291 | **BGS Boreholes**<br>BGS Reference: Sj89nw1465<br>Drilled Length (m): Not Supplied<br>Borehole Name: Great Ancoats Street 5<br>Link to Borehole Scan: Not Available | A18SW (N) | 348 | 2 | 384950 398440 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 291 | **BGS Boreholes**<br>BGS Reference: Sj89nw4093<br>Drilled Length (m): Not Supplied<br>Borehole Name: Ancoats Pr2 Greater Manchester 1<br>Link to Borehole Scan: Not Available | A18SW (N) | 359 | 2 | 384940 398450 |
| 292 | **BGS Boreholes**<br>BGS Reference: Sj89ne586<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Parcels Office 9<br>Link to Borehole Scan: Not Available | A13SE (SE) | 351 | 2 | 385190 397770 |
| 292 | **BGS Boreholes**<br>BGS Reference: Sj89ne585<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Parcels Office 8<br>Link to Borehole Scan: Not Available | A13SE (SE) | 385 | 2 | 385220 397750 |
| 293 | **BGS Boreholes**<br>BGS Reference: Sj89nw3<br>Drilled Length (m): 10.06<br>Borehole Name: Manchester Corp. Near London Road Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042145/ | A13SW (SW) | 352 | 2 | 384652 397930 |
| 294 | **BGS Boreholes**<br>BGS Reference: Sj89ne34<br>Drilled Length (m): 21.34<br>Borehole Name: Manchester Corp. Great Ancoats Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936435/ | A14SW (E) | 354 | 2 | 385349 398027 |
| 295 | **BGS Boreholes**<br>BGS Reference: Sj89ne580<br>Drilled Length (m): 9.14<br>Borehole Name: Manchester Parcels Office 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936997/ | A13SE (SE) | 359 | 2 | 385260 397820 |
| 295 | **BGS Boreholes**<br>BGS Reference: Sj89ne924<br>Drilled Length (m): 9.14<br>Borehole Name: Manchester Parcels Office<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937341/ | A13SE (SE) | 359 | 2 | 385250 397810 |
| 295 | **BGS Boreholes**<br>BGS Reference: Sj89ne927<br>Drilled Length (m): 6.4<br>Borehole Name: Manchester Parcels Office<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937344/ | A13SE (SE) | 382 | 2 | 385290 397820 |
| 296 | **BGS Boreholes**<br>BGS Reference: Sj89nw3280<br>Drilled Length (m): Not Supplied<br>Borehole Name: Fairfield Street Manchester Ob<br>Link to Borehole Scan: Not Available | A8NW (S) | 362 | 2 | 384880 397710 |
| 297 | **BGS Boreholes**<br>BGS Reference: Sj89ne1894<br>Drilled Length (m): 1.7<br>Borehole Name: Ashton Canal Corridor Tp 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629939/ | A14NW (E) | 362 | 2 | 385350 398170 |
| 297 | **BGS Boreholes**<br>BGS Reference: Sj89ne1893<br>Drilled Length (m): 2.3<br>Borehole Name: Ashton Canal Corridor Tp 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629938/ | A14NW (E) | 364 | 2 | 385360 398130 |
| 297 | **BGS Boreholes**<br>BGS Reference: Sj89ne1895<br>Drilled Length (m): 2<br>Borehole Name: Ashton Canal Corridor Tp 8<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629940/ | A14NW (E) | 370 | 2 | 385360 398160 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 297 | **BGS Boreholes**<br>BGS Reference: Sj89ne1896<br>Drilled Length (m): 1.7<br>Borehole Name: Ashton Canal Corridor Tp 9<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629941/ | A14NW (E) | 386 | 2 | 385380 398140 |
| 297 | **BGS Boreholes**<br>BGS Reference: Sj89ne1898<br>Drilled Length (m): 2.2<br>Borehole Name: Ashton Canal Corridor Tp 11<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629943/ | A14NW (E) | 391 | 2 | 385380 398170 |
| 297 | **BGS Boreholes**<br>BGS Reference: Sj89ne1900<br>Drilled Length (m): 1.75<br>Borehole Name: Ashton Canal Corridor Tp 13<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629945/ | A14NW (E) | 391 | 2 | 385380 398170 |
| 297 | **BGS Boreholes**<br>BGS Reference: Sj89ne1899<br>Drilled Length (m): 2.1<br>Borehole Name: Ashton Canal Corridor Tp 12<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629944/ | A14NW (E) | 397 | 2 | 385390 398150 |
| 298 | **BGS Boreholes**<br>BGS Reference: Sj89ne1961<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B5<br>Link to Borehole Scan: Not Available | A14NW (E) | 362 | 2 | 385350 398170 |
| 298 | **BGS Boreholes**<br>BGS Reference: Sj89ne1962<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B6<br>Link to Borehole Scan: Not Available | A14NW (E) | 375 | 2 | 385360 398180 |
| 298 | **BGS Boreholes**<br>BGS Reference: Sj89ne2013<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb8<br>Link to Borehole Scan: Not Available | A14NW (E) | 397 | 2 | 385380 398190 |
| 299 | **BGS Boreholes**<br>BGS Reference: Sj89nw869<br>Drilled Length (m): Not Supplied<br>Borehole Name: National Express Coach Station 1<br>Link to Borehole Scan: Not Available | A13SW (SW) | 369 | 2 | 384780 397750 |
| 299 | **BGS Boreholes**<br>BGS Reference: Sj89nw871<br>Drilled Length (m): Not Supplied<br>Borehole Name: National Express Coach Station 3<br>Link to Borehole Scan: Not Available | A8NW (S) | 381 | 2 | 384850 397700 |
| 299 | **BGS Boreholes**<br>BGS Reference: Sj89nw864<br>Drilled Length (m): Not Supplied<br>Borehole Name: National Express Coach Station Tp 1<br>Link to Borehole Scan: Not Available | A8NW (SW) | 388 | 2 | 384810 397710 |
| 299 | **BGS Boreholes**<br>BGS Reference: Sj89nw870<br>Drilled Length (m): Not Supplied<br>Borehole Name: National Express Coach Station 2<br>Link to Borehole Scan: Not Available | A8NW (SW) | 388 | 2 | 384810 397710 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 300 | **BGS Boreholes**<br>BGS Reference: Sj89nw3988<br>Drilled Length (m): 5.5<br>Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637496/ | A13NW (NW) | 369 | 2 | 384698 398331 |
| 300 | **BGS Boreholes**<br>BGS Reference: Sj89nw3542<br>Drilled Length (m): 4.57<br>Borehole Name: Hilton Street Manchester 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045736/ | A13NW (NW) | 388 | 2 | 384680 398340 |
| 300 | **BGS Boreholes**<br>BGS Reference: Sj89nw3541<br>Drilled Length (m): 4.57<br>Borehole Name: Hilton Street Manchester 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045735/ | A13NW (NW) | 389 | 2 | 384670 398330 |
| 300 | **BGS Boreholes**<br>BGS Reference: Sj89nw3543<br>Drilled Length (m): 1.52<br>Borehole Name: Hilton Street Manchester 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045737/ | A13NW (NW) | 389 | 2 | 384670 398330 |
| 301 | **BGS Boreholes**<br>BGS Reference: Sj89nw31<br>Drilled Length (m): 28.65<br>Borehole Name: Manchester Corp. Rochdale Road Sewer<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042173/ | A18SW (N) | 378 | 2 | 384889 398459 |
| 302 | **BGS Boreholes**<br>BGS Reference: Sj89nw1154<br>Drilled Length (m): Not Supplied<br>Borehole Name: London Road Fire Station Manchester 1<br>Link to Borehole Scan: Not Available | A13SW (SW) | 384 | 2 | 384700 397800 |
| 302 | **BGS Boreholes**<br>BGS Reference: Sj89nw1156<br>Drilled Length (m): Not Supplied<br>Borehole Name: London Road Fire Station Manchester 3<br>Link to Borehole Scan: Not Available | A13SW (SW) | 388 | 2 | 384670 397830 |
| 303 | **BGS Boreholes**<br>BGS Reference: Sj89ne814<br>Drilled Length (m): 5<br>Borehole Name: Wharf Street 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937231/ | A13NE (NE) | 386 | 2 | 385250 398380 |
| 303 | **BGS Boreholes**<br>BGS Reference: Sj89ne815<br>Drilled Length (m): 5<br>Borehole Name: Wharf Street 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937232/ | A13NE (NE) | 386 | 2 | 385270 398360 |
| 304 | **BGS Boreholes**<br>BGS Reference: Sj89ne1897<br>Drilled Length (m): 2.1<br>Borehole Name: Ashton Canal Corridor Tp 10<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629942/ | A14NW (E) | 387 | 2 | 385370 398190 |
| 304 | **BGS Boreholes**<br>BGS Reference: Sj89ne1901<br>Drilled Length (m): 2<br>Borehole Name: Ashton Canal Corridor Tp 14<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629946/ | A14NW (E) | 404 | 2 | 385390 398180 |
| 304 | **BGS Boreholes**<br>BGS Reference: Sj89ne1904<br>Drilled Length (m): 2.6<br>Borehole Name: Ashton Canal Corridor Tp 17<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629949/ | A14NW (E) | 423 | 2 | 385410 398180 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 304 | **BGS Boreholes**<br>BGS Reference: Sj89ne1902<br>Drilled Length (m): 3.1<br>Borehole Name: Ashton Canal Corridor Tp 15<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629947/ | A14NW (E) | 428 | 2 | 385410 398200 |
| 305 | **BGS Boreholes**<br>BGS Reference: Sj89nw3990<br>Drilled Length (m): .6<br>Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 8<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637499/ | A12NE (NW) | 388 | 2 | 384631 398272 |
| 306 | **BGS Boreholes**<br>BGS Reference: Sj89ne922<br>Drilled Length (m): 7.32<br>Borehole Name: Manchester Parcels Office<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937339/ | A13SE (SE) | 389 | 2 | 385240 397760 |
| 306 | **BGS Boreholes**<br>BGS Reference: Sj89ne578<br>Drilled Length (m): 7.32<br>Borehole Name: Manchester Parcels Office 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936995/ | A13SE (SE) | 397 | 2 | 385240 397750 |
| 307 | **BGS Boreholes**<br>BGS Reference: Sj89ne2365<br>Drilled Length (m): .91<br>Borehole Name: St Judes School Ancoats Manchester Tp25<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722648/ | A18SE (N) | 394 | 2 | 385110 398470 |
| 307 | **BGS Boreholes**<br>BGS Reference: Sj89ne2366<br>Drilled Length (m): 1<br>Borehole Name: St Judes School Ancoats Manchester Tp25a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722650/ | A18SE (N) | 394 | 2 | 385110 398470 |
| 307 | **BGS Boreholes**<br>BGS Reference: Sj89ne2371<br>Drilled Length (m): 4<br>Borehole Name: St Judes School Ancoats Manchester Tp28<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722658/ | A18SE (N) | 408 | 2 | 385090 398490 |
| 307 | **BGS Boreholes**<br>BGS Reference: Sj89ne2367<br>Drilled Length (m): 3.1<br>Borehole Name: St Judes School Ancoats Manchester Tp26<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722651/ | A18SE (N) | 423 | 2 | 385140 398490 |
| 307 | **BGS Boreholes**<br>BGS Reference: Sj89ne2368<br>Drilled Length (m): 2.67<br>Borehole Name: St Judes School Ancoats Manchester Tp26a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722654/ | A18SE (N) | 423 | 2 | 385140 398490 |
| 307 | **BGS Boreholes**<br>BGS Reference: Sj89ne2373<br>Drilled Length (m): 2.24<br>Borehole Name: St Judes School Ancoats Manchester Tp30<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722660/ | A18SE (N) | 425 | 2 | 385080 398510 |
| 307 | **BGS Boreholes**<br>BGS Reference: Sj89ne2372<br>Drilled Length (m): 3<br>Borehole Name: St Judes School Ancoats Manchester Tp29<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722659/ | A18SE (N) | 426 | 2 | 385120 398500 |
| 308 | **BGS Boreholes**<br>BGS Reference: Sj89ne699<br>Drilled Length (m): 21.33<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 8<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937116/ | A13NE (NE) | 397 | 2 | 385310 398330 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 309 | **BGS Boreholes**<br>BGS Reference: Sj89nw3986<br>Drilled Length (m): 5.3<br>Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637494/ | A18SW (NW) | 398 | 2 | 384774 398429 |
| 310 | **BGS Boreholes**<br>BGS Reference: Sj89nw3985<br>Drilled Length (m): 6.5<br>Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637493/ | A13NW (NW) | 407 | 2 | 384692 398379 |
| 310 | **BGS Boreholes**<br>BGS Reference: Sj89nw3780<br>Drilled Length (m): 6.3<br>Borehole Name: Dale Street/Stevenson Square/Newton Street 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468812/ | A13NW (NW) | 430 | 2 | 384660 398380 |
| 311 | **BGS Boreholes**<br>BGS Reference: Sj89ne698<br>Drilled Length (m): 34.15<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 7/7a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937115/ | A14NW (NE) | 408 | 2 | 385330 398320 |
| 312 | **BGS Boreholes**<br>BGS Reference: Sj89nw3535<br>Drilled Length (m): Not Supplied<br>Borehole Name: Aytoun Street Manchester Bh1<br>Link to Borehole Scan: Not Available | A12SE (W) | 408 | 2 | 384570 398000 |
| 313 | **BGS Boreholes**<br>BGS Reference: Sj89nw3987<br>Drilled Length (m): 4.2<br>Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637495/ | A18SW (N) | 408 | 2 | 384850 398478 |
| 314 | **BGS Boreholes**<br>BGS Reference: Sj89nw314<br>Drilled Length (m): 10.97<br>Borehole Name: Aytoun Street Multi-Storey Car Park. 1-4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042480/ | A12SE (SW) | 409 | 2 | 384605 397897 |
| 315 | **BGS Boreholes**<br>BGS Reference: Sj89nw1155<br>Drilled Length (m): Not Supplied<br>Borehole Name: London Road Fire Station Manchester 2<br>Link to Borehole Scan: Not Available | A13SW (SW) | 411 | 2 | 384650 397820 |
| 316 | **BGS Boreholes**<br>BGS Reference: Sj89ne583<br>Drilled Length (m): 6.4<br>Borehole Name: Manchester Parcels Office 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937000/ | A14SW (SE) | 413 | 2 | 385330 397820 |
| 316 | **BGS Boreholes**<br>BGS Reference: Sj89ne926<br>Drilled Length (m): 5.79<br>Borehole Name: Manchester Parcels Office<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937343/ | A14SW (SE) | 436 | 2 | 385350 397810 |
| 317 | **BGS Boreholes**<br>BGS Reference: Sj89nw1<br>Drilled Length (m): 9.14<br>Borehole Name: Manchester Corp. Near London Road Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042143/ | A12SE (SW) | 419 | 2 | 384628 397838 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 318 | **BGS Boreholes**<br>BGS Reference: Sj89ne1963<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B7<br>Link to Borehole Scan: Not Available | A14NW (E) | 422 | 2 | 385400 398210 |
| 318 | **BGS Boreholes**<br>BGS Reference: Sj89ne2014<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb9<br>Link to Borehole Scan: Not Available | A14NW (E) | 434 | 2 | 385410 398220 |
| 318 | **BGS Boreholes**<br>BGS Reference: Sj89ne1964<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B8<br>Link to Borehole Scan: Not Available | A14NW (E) | 447 | 2 | 385420 398230 |
| 319 | **BGS Boreholes**<br>BGS Reference: Sj89ne697<br>Drilled Length (m): 8.2<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937114/ | A14NW (E) | 423 | 2 | 385390 398240 |
| 319 | **BGS Boreholes**<br>BGS Reference: Sj89ne2360<br>Drilled Length (m): 3<br>Borehole Name: Ancoats Hospital Site Ancoats Manchester Tp1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722632/ | A14NW (NE) | 435 | 2 | 385390 398270 |
| 319 | **BGS Boreholes**<br>BGS Reference: Sj89ne2361<br>Drilled Length (m): 3<br>Borehole Name: Ancoats Hospital Site Ancoats Manchester Tp2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722635/ | A14NW (NE) | 435 | 2 | 385380 398290 |
| 319 | **BGS Boreholes**<br>BGS Reference: Sj89ne2362<br>Drilled Length (m): 4<br>Borehole Name: Ancoats Hospital Site Ancoats Manchester Tp3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722636/ | A14NW (NE) | 448 | 2 | 385400 398280 |
| 319 | **BGS Boreholes**<br>BGS Reference: Sj89ne696<br>Drilled Length (m): 8.1<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937113/ | A14NW (NE) | 453 | 2 | 385410 398270 |
| 320 | **BGS Boreholes**<br>BGS Reference: Sj89nw15<br>Drilled Length (m): 7.62<br>Borehole Name: Manchester Corp. L Sewer<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042157/ | A8NW (S) | 424 | 2 | 384953 397633 |
| 321 | **BGS Boreholes**<br>BGS Reference: Sj89ne105<br>Drilled Length (m): 137.77<br>Borehole Name: Manchester Corp. Hydraulic Power Supply Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936507/ | A18SE (NE) | 429 | 2 | 385168 398485 |
| 322 | **BGS Boreholes**<br>BGS Reference: Sj89nw18<br>Drilled Length (m): 10.06<br>Borehole Name: Manchester Corp. Corner Of Travis Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042160/ | A8NW (S) | 430 | 2 | 384818 397660 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 323 | **BGS Boreholes**<br>BGS Reference: Sj89nw1464<br>Drilled Length (m): Not Supplied<br>Borehole Name: Great Ancoats Street 4<br>Link to Borehole Scan: Not Available | A18SW (N) | 430 | 2 | 384880 398510 |
| 323 | **BGS Boreholes**<br>BGS Reference: Sj89nw3504<br>Drilled Length (m): Not Supplied<br>Borehole Name: Houldsworth Street/Little Ancoats Street 2<br>Link to Borehole Scan: Not Available | A18SW (N) | 432 | 2 | 384870 398510 |
| 324 | **BGS Boreholes**<br>BGS Reference: Sj89nw3536<br>Drilled Length (m): Not Supplied<br>Borehole Name: Aytoun Street Manchester Bh2<br>Link to Borehole Scan: Not Available | A12SE (W) | 430 | 2 | 384550 397990 |
| 324 | **BGS Boreholes**<br>BGS Reference: Sj89nw3537<br>Drilled Length (m): Not Supplied<br>Borehole Name: Aytoun Street Manchester Bh3<br>Link to Borehole Scan: Not Available | A12SE (W) | 442 | 2 | 384540 397980 |
| 324 | **BGS Boreholes**<br>BGS Reference: Sj89nw3508<br>Drilled Length (m): Not Supplied<br>Borehole Name: Minshull Street Main Drainage<br>Link to Borehole Scan: Not Available | A12SE (W) | 443 | 2 | 384550 397940 |
| 325 | **BGS Boreholes**<br>BGS Reference: Sj89nw3984<br>Drilled Length (m): 7.2<br>Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637492/ | A12NE (NW) | 430 | 2 | 384615 398326 |
| 326 | **BGS Boreholes**<br>BGS Reference: Sj89nw1340<br>Drilled Length (m): 29<br>Borehole Name: City Centre - Phase 2 36<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043534/ | A12NE (NW) | 431 | 2 | 384610 398320 |
| 327 | **BGS Boreholes**<br>BGS Reference: Sj89nw30<br>Drilled Length (m): 28.04<br>Borehole Name: Manchester Corp. Ancoats<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042172/ | A18SW (N) | 435 | 2 | 384838 398502 |
| 328 | **BGS Boreholes**<br>BGS Reference: Sj89ne1903<br>Drilled Length (m): 2.8<br>Borehole Name: Ashton Canal Corridor Tp 16<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629948/ | A14NW (E) | 438 | 2 | 385420 398200 |
| 329 | **BGS Boreholes**<br>BGS Reference: Sj89ne2540<br>Drilled Length (m): Not Supplied<br>Borehole Name: Piccadilly Trading Estate 2<br>Link to Borehole Scan: Not Available | A14SW (SE) | 440 | 2 | 385372 397836 |
| 329 | **BGS Boreholes**<br>BGS Reference: Sj89ne2539<br>Drilled Length (m): Not Supplied<br>Borehole Name: Piccadilly Trading Estate 1<br>Link to Borehole Scan: Not Available | A14SW (SE) | 484 | 2 | 385411 397814 |
| 329 | **BGS Boreholes**<br>BGS Reference: Sj89ne2542<br>Drilled Length (m): Not Supplied<br>Borehole Name: Piccadilly Trading Estate 4<br>Link to Borehole Scan: Not Available | A14SW (SE) | 486 | 2 | 385435 397855 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 330 | **BGS Boreholes**<br>BGS Reference: Sj89ne1388<br>Drilled Length (m): 160.27<br>Borehole Name: Hoyle Mayfield Print Works<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937805/ | A8NE (S) | 444 | 2 | 385070 397620 |
| 330 | **BGS Boreholes**<br>BGS Reference: Sj89ne1389<br>Drilled Length (m): 53.04<br>Borehole Name: Hoyle Mayfield Print Works<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937806/ | A8NE (S) | 444 | 2 | 385070 397620 |
| 330 | **BGS Boreholes**<br>BGS Reference: Sj89ne1390<br>Drilled Length (m): 73.15<br>Borehole Name: Hoyle Mayfield Print Works<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937807/ | A8NE (S) | 444 | 2 | 385070 397620 |
| 330 | **BGS Boreholes**<br>BGS Reference: Sj89ne1391<br>Drilled Length (m): 108.64<br>Borehole Name: Hoyle Mayfield Print Works<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937808/ | A8NE (S) | 465 | 2 | 385080 397600 |
| 331 | **BGS Boreholes**<br>BGS Reference: Sj89nw352<br>Drilled Length (m): 15<br>Borehole Name: Manchester Fgc/3235. 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042546/ | A12SE (W) | 447 | 2 | 384530 398000 |
| 331 | **BGS Boreholes**<br>BGS Reference: Sj89nw351<br>Drilled Length (m): 18<br>Borehole Name: Manchester Fgc/3235. 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042545/ | A12SE (W) | 465 | 2 | 384510 398010 |
| 332 | **BGS Boreholes**<br>BGS Reference: Sj89ne584<br>Drilled Length (m): 4.42<br>Borehole Name: Manchester Parcels Office 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937001/ | A8NE (SE) | 451 | 2 | 385300 397730 |
| 332 | **BGS Boreholes**<br>BGS Reference: Sj89ne925<br>Drilled Length (m): 4.88<br>Borehole Name: Manchester Parcels Office<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937342/ | A13SE (SE) | 458 | 2 | 385320 397740 |
| 333 | **BGS Boreholes**<br>BGS Reference: Sj89ne2369<br>Drilled Length (m): 1.3<br>Borehole Name: St Judes School Ancoats Manchester Tp27<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722655/ | A18SE (NE) | 453 | 2 | 385170 398510 |
| 333 | **BGS Boreholes**<br>BGS Reference: Sj89ne2370<br>Drilled Length (m): 1<br>Borehole Name: St Judes School Ancoats Manchester Tp27a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722656/ | A18SE (NE) | 453 | 2 | 385170 398510 |
| 333 | **BGS Boreholes**<br>BGS Reference: Sj89ne2374<br>Drilled Length (m): 4<br>Borehole Name: St Judes School Ancoats Manchester Tp32<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722661/ | A18SE (N) | 483 | 2 | 385150 398550 |
| 334 | **BGS Boreholes**<br>BGS Reference: Sj89ne581<br>Drilled Length (m): 4.88<br>Borehole Name: Manchester Parcels Office 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936998/ | A14SW (SE) | 459 | 2 | 385340 397760 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 334 | **BGS Boreholes**<br>BGS Reference: Sj89ne582<br>Drilled Length (m): 5.79<br>Borehole Name: Manchester Parcels Office 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936999/ | A14SW (SE) | 466 | 2 | 385380 397800 |
| 334 | **BGS Boreholes**<br>BGS Reference: Sj89ne19<br>Drilled Length (m): 9.45<br>Borehole Name: Manchester Corp. Helme Street<br>Link to Borehole Scan: Not Available | A14SW (SE) | 499 | 2 | 385389 397756 |
| 335 | **BGS Boreholes**<br>BGS Reference: Sj89nw3509<br>Drilled Length (m): Not Supplied<br>Borehole Name: Bloom Street/Abingdon Street 1<br>Link to Borehole Scan: Not Available | A12SE (W) | 460 | 2 | 384510 398060 |
| 336 | **BGS Boreholes**<br>BGS Reference: Sj89nw350<br>Drilled Length (m): 10<br>Borehole Name: Manchester Fgc/3235. 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042544/ | A12SE (W) | 462 | 2 | 384510 398040 |
| 337 | **BGS Boreholes**<br>BGS Reference: Sj89nw3779<br>Drilled Length (m): 5<br>Borehole Name: Dale Street/Stevenson Square/Newton Street 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468811/ | A18SW (NW) | 464 | 2 | 384700 398460 |
| 338 | **BGS Boreholes**<br>BGS Reference: Sj89nw243<br>Drilled Length (m): 108.05<br>Borehole Name: Manchester Pure Ice Works, Whitworth Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042397/ | A12SE (SW) | 474 | 2 | 384564 397837 |
| 339 | **BGS Boreholes**<br>BGS Reference: Sj89ne2015<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb10<br>Link to Borehole Scan: Not Available | A14NW (E) | 476 | 2 | 385440 398260 |
| 339 | **BGS Boreholes**<br>BGS Reference: Sj89ne1965<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B9<br>Link to Borehole Scan: Not Available | A14NW (E) | 486 | 2 | 385450 398260 |
| 339 | **BGS Boreholes**<br>BGS Reference: Sj89ne1966<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C1<br>Link to Borehole Scan: Not Available | A14NW (E) | 486 | 2 | 385450 398260 |
| 339 | **BGS Boreholes**<br>BGS Reference: Sj89ne1967<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C2<br>Link to Borehole Scan: Not Available | A14NW (NE) | 516 | 2 | 385470 398290 |
| 340 | **BGS Boreholes**<br>BGS Reference: Sj89nw1175<br>Drilled Length (m): 10.6<br>Borehole Name: Manchester Metropolitan University 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043369/ | A12SE (SW) | 480 | 2 | 384550 397850 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 340 | **BGS Boreholes**<br>BGS Reference: Sj89nw1176<br>Drilled Length (m): 11.4<br>Borehole Name: Manchester Metropolitan University 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043370/ | A12SE (SW) | 490 | 2 | 384550 397830 |
| 340 | **BGS Boreholes**<br>BGS Reference: Sj89nw1177<br>Drilled Length (m): 14.6<br>Borehole Name: Manchester Metropolitan University 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043371/ | A12SE (SW) | 515 | 2 | 384520 397830 |
| 341 | **BGS Boreholes**<br>BGS Reference: Sj89nw3618<br>Drilled Length (m): Not Supplied<br>Borehole Name: Granby Row / Whitworth Street 1a<br>Link to Borehole Scan: Not Available | A7NE (SW) | 482 | 2 | 384640 397720 |
| 342 | **BGS Boreholes**<br>BGS Reference: Sj89nw3778<br>Drilled Length (m): 5<br>Borehole Name: Dale Street/Stevenson Square/Newton Street 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468810/ | A18SW (NW) | 484 | 2 | 384760 398520 |
| 343 | **BGS Boreholes**<br>BGS Reference: Sj89nw3781<br>Drilled Length (m): 5<br>Borehole Name: Dale Street/Stevenson Square/Newton Street 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468813/ | A12NE (NW) | 484 | 2 | 384560 398340 |
| 343 | **BGS Boreholes**<br>BGS Reference: Sj89nw3782<br>Drilled Length (m): 5.5<br>Borehole Name: Dale Street/Stevenson Square/Newton Street 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468814/ | A12NE (NW) | 512 | 2 | 384540 398360 |
| 344 | **BGS Boreholes**<br>BGS Reference: Sj89nw14<br>Drilled Length (m): 6.71<br>Borehole Name: Manchester Corp. L Sewer<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042156/ | A8NW (S) | 487 | 2 | 384839 397592 |
| 344 | **BGS Boreholes**<br>BGS Reference: Sj89nw17<br>Drilled Length (m): 6.71<br>Borehole Name: Manchester Corp. Corner Of Jackson Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042159/ | A8NW (S) | 521 | 2 | 384808 397566 |
| 345 | **BGS Boreholes**<br>BGS Reference: Sj89nw3503<br>Drilled Length (m): Not Supplied<br>Borehole Name: Houldsworth Street/Little Ancoats Street 1<br>Link to Borehole Scan: Not Available | A18SW (NW) | 488 | 2 | 384770 398530 |
| 346 | **BGS Boreholes**<br>BGS Reference: Sj89ne2375<br>Drilled Length (m): 3.1<br>Borehole Name: St Judes School Ancoats Manchester Tp34<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722662/ | A18SE (N) | 489 | 2 | 385140 398560 |
| 346 | **BGS Boreholes**<br>BGS Reference: Sj89ne701<br>Drilled Length (m): 8<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 10<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937118/ | A18SE (N) | 522 | 2 | 385120 398600 |
| 347 | **BGS Boreholes**<br>BGS Reference: Sj89nw1178<br>Drilled Length (m): 4.1<br>Borehole Name: Manchester Metropolitan University Tp1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043372/ | A12SE (SW) | 490 | 2 | 384550 397830 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 348 | **BGS Boreholes**<br>BGS Reference: Sj89nw3785<br>Drilled Length (m): 7<br>Borehole Name: Dale Street/Stevenson Square/Newton Street 7a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468817/ | A17SE (NW) | 494 | 2 | 384610 398420 |
| 348 | **BGS Boreholes**<br>BGS Reference: Sj89nw3784<br>Drilled Length (m): 4.5<br>Borehole Name: Dale Street/Stevenson Square/Newton Street 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468816/ | A17SE (NW) | 501 | 2 | 384600 398420 |
| 349 | **BGS Boreholes**<br>BGS Reference: Sj89nw1463<br>Drilled Length (m): Not Supplied<br>Borehole Name: Great Ancoats Street 3<br>Link to Borehole Scan: Not Available | A18SW (N) | 496 | 2 | 384820 398560 |
| 350 | **BGS Boreholes**<br>BGS Reference: Sj89nw3433<br>Drilled Length (m): 5.5<br>Borehole Name: Canal Street Sewer Renewal Scheme 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045627/ | A12SE (W) | 507 | 2 | 384480 397950 |
| 350 | **BGS Boreholes**<br>BGS Reference: Sj89nw3444<br>Drilled Length (m): 4<br>Borehole Name: Canal Street Sewer Renewal Scheme 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045638/ | A12SE (W) | 532 | 2 | 384460 397930 |
| 350 | **BGS Boreholes**<br>BGS Reference: Sj89nw3443<br>Drilled Length (m): 4.2<br>Borehole Name: Canal Street Sewer Renewal Scheme 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045637/ | A12SE (W) | 535 | 2 | 384460 397920 |
| 351 | **BGS Boreholes**<br>BGS Reference: Sj89ne19/1<br>Drilled Length (m): 9.3<br>Borehole Name: Manchester Corp. Helme Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936418/ | A14SW (SE) | 509 | 2 | 385448 397830 |
| 352 | **BGS Boreholes**<br>BGS Reference: Sj89ne2541<br>Drilled Length (m): Not Supplied<br>Borehole Name: Piccadilly Trading Estate 3<br>Link to Borehole Scan: Not Available | A14SW (SE) | 510 | 2 | 385464 397861 |
| 353 | **BGS Boreholes**<br>BGS Reference: Sj89ne700<br>Drilled Length (m): 27.7<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 9<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937117/ | A18SE (NE) | 511 | 2 | 385240 398540 |
| 354 | **BGS Boreholes**<br>BGS Reference: Sj89nw1323<br>Drilled Length (m): Not Supplied<br>Borehole Name: Portland Street 7<br>Link to Borehole Scan: Not Available | A12NE (W) | 511 | 2 | 384480 398230 |
| 354 | **BGS Boreholes**<br>BGS Reference: Sj89nw1272<br>Drilled Length (m): Not Supplied<br>Borehole Name: Picadilly Gardens Tp3<br>Link to Borehole Scan: Not Available | A12NE (W) | 512 | 2 | 384490 398260 |
| 354 | **BGS Boreholes**<br>BGS Reference: Sj89nw1273<br>Drilled Length (m): Not Supplied<br>Borehole Name: Picadilly Gardens Tp4<br>Link to Borehole Scan: Not Available | A12NE (W) | 524 | 2 | 384470 398240 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 354 | **BGS Boreholes**<br>BGS Reference: Sj89nw1271<br>Drilled Length (m): Not Supplied<br>Borehole Name: Picadilly Gardens Tp2<br>Link to Borehole Scan: Not Available | A12NE (W) | 534 | 2 | 384470 398270 |
| 355 | **BGS Boreholes**<br>BGS Reference: Sj89ne18<br>Drilled Length (m): 9.3<br>Borehole Name: Manchester Corp. Fairfield Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936417/ | A9NW (SE) | 514 | 2 | 385352 397693 |
| 356 | **BGS Boreholes**<br>BGS Reference: Sj89ne2363<br>Drilled Length (m): 4<br>Borehole Name: Ancoats Hospital Site Ancoats Manchester Tp5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722639/ | A14NW (NE) | 516 | 2 | 385450 398330 |
| 356 | **BGS Boreholes**<br>BGS Reference: Sj89ne2364<br>Drilled Length (m): 3<br>Borehole Name: Ancoats Hospital Site Ancoats Manchester Tp6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722641/ | A14NW (NE) | 548 | 2 | 385470 398360 |
| 357 | **BGS Boreholes**<br>BGS Reference: Sj89ne695<br>Drilled Length (m): 8.08<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937112/ | A14NW (E) | 518 | 2 | 385500 398210 |
| 358 | **BGS Boreholes**<br>BGS Reference: Sj89nw318<br>Drilled Length (m): 12.19<br>Borehole Name: Manchester Letter Sorting Office, Newton St. 5bh'S<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042484/ | A18SW (NW) | 526 | 2 | 384675 398517 |
| 359 | **BGS Boreholes**<br>BGS Reference: Sj89nw3510<br>Drilled Length (m): Not Supplied<br>Borehole Name: Bloom Street/Abingdon Street 2<br>Link to Borehole Scan: Not Available | A12SE (W) | 528 | 2 | 384450 397990 |
| 360 | **BGS Boreholes**<br>BGS Reference: Sj89ne17<br>Drilled Length (m): 8.23<br>Borehole Name: Manchester Corp. Temperance Street Under Railway<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936416/ | A8NE (SE) | 531 | 2 | 385299 397627 |
| 361 | **BGS Boreholes**<br>BGS Reference: Sj89nw3438<br>Drilled Length (m): 11<br>Borehole Name: Canal Street Sewer Renewal Scheme 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045632/ | A12SE (SW) | 533 | 2 | 384500 397830 |
| 362 | **BGS Boreholes**<br>BGS Reference: Sj89nw2909<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lever Street 3<br>Link to Borehole Scan: Not Available | A12NE (NW) | 535 | 2 | 384540 398400 |
| 362 | **BGS Boreholes**<br>BGS Reference: Sj89nw3947<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lever Street 4<br>Link to Borehole Scan: Not Available | A12NE (NW) | 537 | 2 | 384518 398372 |
| 362 | **BGS Boreholes**<br>BGS Reference: Sj89nw3948<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lever Street 4a<br>Link to Borehole Scan: Not Available | A12NE (NW) | 537 | 2 | 384518 398372 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 363 | **BGS Boreholes**<br>BGS Reference: Sj89nw249<br>Drilled Length (m): 68.88<br>Borehole Name: Boyd Dawkins, Jackson Street Mill<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042403/ | A8NW (SW) | 545 | 2 | 384684 397602 |
| 364 | **BGS Boreholes**<br>BGS Reference: Sj89nw2030<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 525<br>Link to Borehole Scan: Not Available | A8NW (S) | 546 | 2 | 384880 397520 |
| 365 | **BGS Boreholes**<br>BGS Reference: Sj89nw3447<br>Drilled Length (m): 7.2<br>Borehole Name: Canal Street Sewer Renewal Scheme 9<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045641/ | A12SE (SW) | 546 | 2 | 384480 397840 |
| 365 | **BGS Boreholes**<br>BGS Reference: Sj89nw3448<br>Drilled Length (m): 5.2<br>Borehole Name: Canal Street Sewer Renewal Scheme 10<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045642/ | A12SE (SW) | 546 | 2 | 384480 397840 |
| 365 | **BGS Boreholes**<br>BGS Reference: Sj89nw3437<br>Drilled Length (m): 6.3<br>Borehole Name: Canal Street Sewer Renewal Scheme 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045631/ | A12SE (W) | 556 | 2 | 384460 397860 |
| 365 | **BGS Boreholes**<br>BGS Reference: Sj89nw3446<br>Drilled Length (m): 6.6<br>Borehole Name: Canal Street Sewer Renewal Scheme 8<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045640/ | A12SE (W) | 556 | 2 | 384460 397860 |
| 365 | **BGS Boreholes**<br>BGS Reference: Sj89nw3445<br>Drilled Length (m): 4.6<br>Borehole Name: Canal Street Sewer Renewal Scheme 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045639/ | A12SE (W) | 561 | 2 | 384450 397870 |
| 366 | **BGS Boreholes**<br>BGS Reference: Sj89nw2908<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lever Street 2<br>Link to Borehole Scan: Not Available | A18SW (NW) | 550 | 2 | 384650 398530 |
| 367 | **BGS Boreholes**<br>BGS Reference: Sj89ne828<br>Drilled Length (m): 2.25<br>Borehole Name: Winder Drive Tp 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937245/ | A18SE (NE) | 551 | 2 | 385300 398550 |
| 367 | **BGS Boreholes**<br>BGS Reference: Sj89ne829<br>Drilled Length (m): 2.15<br>Borehole Name: Winder Drive Tp 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937246/ | A18SE (NE) | 557 | 2 | 385310 398550 |
| 367 | **BGS Boreholes**<br>BGS Reference: Sj89ne831<br>Drilled Length (m): 6.5<br>Borehole Name: Hostel Winder Drive Ancoats 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937248/ | A18SE (NE) | 557 | 2 | 385310 398550 |
| 367 | **BGS Boreholes**<br>BGS Reference: Sj89ne826<br>Drilled Length (m): 1.7<br>Borehole Name: Winder Drive Tp 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937243/ | A18SE (NE) | 559 | 2 | 385300 398560 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 367 | **BGS Boreholes**<br>BGS Reference: Sj89ne830<br>Drilled Length (m): 10<br>Borehole Name: Hostel Winder Drive Ancoats 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937247/ | A18SE (NE) | 559 | 2 | 385300 398560 |
| 367 | **BGS Boreholes**<br>BGS Reference: Sj89ne827<br>Drilled Length (m): 1.1<br>Borehole Name: Winder Drive Tp 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937244/ | A18SE (NE) | 565 | 2 | 385310 398560 |
| 368 | **BGS Boreholes**<br>BGS Reference: Sj89nw2027<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 520<br>Link to Borehole Scan: Not Available | A8NW (S) | 553 | 2 | 384900 397510 |
| 368 | **BGS Boreholes**<br>BGS Reference: Sj89nw2028<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 522<br>Link to Borehole Scan: Not Available | A8NW (S) | 592 | 2 | 384900 397470 |
| 368 | **BGS Boreholes**<br>BGS Reference: Sj89nw2026<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 227<br>Link to Borehole Scan: Not Available | A8NW (S) | 594 | 2 | 384890 397470 |
| 368 | **BGS Boreholes**<br>BGS Reference: Sj89nw2029<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 523<br>Link to Borehole Scan: Not Available | A8NW (S) | 598 | 2 | 384930 397460 |
| 369 | **BGS Boreholes**<br>BGS Reference: Sj89ne112<br>Drilled Length (m): 149.35<br>Borehole Name: Deakins Brewery, Broadie Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936517/ | A8NE (SE) | 559 | 2 | 385250 397563 |
| 369 | **BGS Boreholes**<br>BGS Reference: Sj89ne179<br>Drilled Length (m): 152.4<br>Borehole Name: Broadie Street Andwich<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936584/ | A8NE (SE) | 581 | 2 | 385241 397534 |
| 370 | **BGS Boreholes**<br>BGS Reference: Sj89ne20<br>Drilled Length (m): 9.45<br>Borehole Name: Manchester Corp.<br>Link to Borehole Scan: Not Available | A14SW (SE) | 561 | 2 | 385513 397846 |
| 371 | **BGS Boreholes**<br>BGS Reference: Sj89ne1968<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C3<br>Link to Borehole Scan: Not Available | A14NW (NE) | 565 | 2 | 385510 398320 |
| 371 | **BGS Boreholes**<br>BGS Reference: Sj89ne2016<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhc1<br>Link to Borehole Scan: Not Available | A14NW (NE) | 574 | 2 | 385520 398320 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 371 | **BGS Boreholes**<br>BGS Reference: Sj89ne1969<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C4<br>Link to Borehole Scan: Not Available | A14NW (NE) | 610 | 2 | 385560 398320 |
| 372 | **BGS Boreholes**<br>BGS Reference: Sj89nw1322<br>Drilled Length (m): Not Supplied<br>Borehole Name: Portland Street 6<br>Link to Borehole Scan: Not Available | A12NE (W) | 566 | 2 | 384410 398170 |
| 372 | **BGS Boreholes**<br>BGS Reference: Sj89nw1274<br>Drilled Length (m): Not Supplied<br>Borehole Name: Picadilly Gardens Tp5<br>Link to Borehole Scan: Not Available | A12NE (W) | 575 | 2 | 384400 398160 |
| 373 | **BGS Boreholes**<br>BGS Reference: Sj89ne702<br>Drilled Length (m): 8.22<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 11<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937119/ | A18SE (N) | 566 | 2 | 385010 398660 |
| 373 | **BGS Boreholes**<br>BGS Reference: Sj89ne703<br>Drilled Length (m): 8<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 12<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937120/ | A18SE (N) | 576 | 2 | 385000 398670 |
| 374 | **BGS Boreholes**<br>BGS Reference: Sj89nw333<br>Drilled Length (m): 6.1<br>Borehole Name: Mancuman Way, No.12<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042499/ | A8NW (S) | 571 | 2 | 384855 397500 |
| 375 | **BGS Boreholes**<br>BGS Reference: Sj89ne113<br>Drilled Length (m): 141.12<br>Borehole Name: Moseley & Sons, Chapelfield Rubber Works<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936518/ | A8NE (S) | 576 | 2 | 385139 397501 |
| 376 | **BGS Boreholes**<br>BGS Reference: Sj89nw2907<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lever Street 1<br>Link to Borehole Scan: Not Available | A18SW (NW) | 583 | 2 | 384700 398600 |
| 377 | **BGS Boreholes**<br>BGS Reference: Sj89nw3436<br>Drilled Length (m): 5.5<br>Borehole Name: Canal Street Sewer Renewal Scheme 4a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045630/ | A12SE (W) | 583 | 2 | 384410 397920 |
| 377 | **BGS Boreholes**<br>BGS Reference: Sj89nw3434<br>Drilled Length (m): 6.7<br>Borehole Name: Canal Street Sewer Renewal Scheme 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045628/ | A12SE (W) | 595 | 2 | 384410 397880 |
| 377 | **BGS Boreholes**<br>BGS Reference: Sj89nw3442<br>Drilled Length (m): 4.7<br>Borehole Name: Canal Street Sewer Renewal Scheme 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045636/ | A12SE (W) | 598 | 2 | 384410 397870 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 378 | **BGS Boreholes**<br>BGS Reference: Sj89nw3643<br>Drilled Length (m): 7.62<br>Borehole Name: Manchester College X<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045837/ | A7NE (SW) | 590 | 2 | 384600 397610 |
| 379 | **BGS Boreholes**<br>BGS Reference: Sj89nw3619<br>Drilled Length (m): Not Supplied<br>Borehole Name: Granby Row / Whitworth Street 2<br>Link to Borehole Scan: Not Available | A7NE (SW) | 591 | 2 | 384530 397680 |
| 379 | **BGS Boreholes**<br>BGS Reference: Sj89nw1162<br>Drilled Length (m): Not Supplied<br>Borehole Name: Granby Row Umist Campus 2<br>Link to Borehole Scan: Not Available | A7NE (SW) | 605 | 2 | 384520 397670 |
| 379 | **BGS Boreholes**<br>BGS Reference: Sj89nw1161<br>Drilled Length (m): Not Supplied<br>Borehole Name: Granby Row Umist Campus 1<br>Link to Borehole Scan: Not Available | A7NE (SW) | 633 | 2 | 384500 397650 |
| 379 | **BGS Boreholes**<br>BGS Reference: Sj89nw1498<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Street 2<br>Link to Borehole Scan: Not Available | A7NE (SW) | 644 | 2 | 384470 397670 |
| 380 | **BGS Boreholes**<br>BGS Reference: Sj89nw13<br>Drilled Length (m): 5.49<br>Borehole Name: Manchester Corp. L Sewer<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042155/ | A8NW (SW) | 592 | 2 | 384686 397546 |
| 381 | **BGS Boreholes**<br>BGS Reference: Sj89nw3279<br>Drilled Length (m): Not Supplied<br>Borehole Name: High School Manchester Ob<br>Link to Borehole Scan: Not Available | A12SE (SW) | 592 | 2 | 384460 397780 |
| 382 | **BGS Boreholes**<br>BGS Reference: Sj89nw205<br>Drilled Length (m): 122.99<br>Borehole Name: Manchester Fish & Meat Salesmen'S Ice Co Ltd<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042348/ | A18SW (N) | 595 | 2 | 384903 398683 |
| 383 | **BGS Boreholes**<br>BGS Reference: Sj89nw2031<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 525a<br>Link to Borehole Scan: Not Available | A8NW (S) | 596 | 2 | 384970 397460 |
| 383 | **BGS Boreholes**<br>BGS Reference: Sj89ne911<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lower Medlock Ecso'S C/1 Site 0308 525b<br>Link to Borehole Scan: Not Available | A8NE (S) | 606 | 2 | 385000 397450 |
| 384 | **BGS Boreholes**<br>BGS Reference: Sj89ne1293<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 1<br>Link to Borehole Scan: Not Available | A14SW (E) | 599 | 2 | 385590 397980 |
| 384 | **BGS Boreholes**<br>BGS Reference: Sj89ne986<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Sewer Replacement 1a<br>Link to Borehole Scan: Not Available | A14SW (E) | 611 | 2 | 385600 397970 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 384 | **BGS Boreholes**<br>BGS Reference: Sj89ne985<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Sewer Replacement Tp1<br>Link to Borehole Scan: Not Available | A14SW (E) | 619 | 2 | 385610 397980 |
| 385 | **BGS Boreholes**<br>BGS Reference: Sj89nw1462<br>Drilled Length (m): Not Supplied<br>Borehole Name: Great Ancoats Street 2<br>Link to Borehole Scan: Not Available | A18SW (NW) | 600 | 2 | 384740 398640 |
| 386 | **BGS Boreholes**<br>BGS Reference: Sj89nw1316<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Gardens T2<br>Link to Borehole Scan: Not Available | A12SE (SW) | 601 | 2 | 384420 397840 |
| 386 | **BGS Boreholes**<br>BGS Reference: Sj89nw1312<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Gardens 1<br>Link to Borehole Scan: Not Available | A12SE (W) | 610 | 2 | 384410 397840 |
| 386 | **BGS Boreholes**<br>BGS Reference: Sj89nw1313<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Gardens 2<br>Link to Borehole Scan: Not Available | A12SE (W) | 615 | 2 | 384400 397850 |
| 386 | **BGS Boreholes**<br>BGS Reference: Sj89nw1315<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Gardens T1<br>Link to Borehole Scan: Not Available | A12SE (W) | 615 | 2 | 384400 397850 |
| 386 | **BGS Boreholes**<br>BGS Reference: Sj89nw1314<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Gardens 3<br>Link to Borehole Scan: Not Available | A12SE (W) | 641 | 2 | 384380 397830 |
| 387 | **BGS Boreholes**<br>BGS Reference: Sj89nw3783<br>Drilled Length (m): 7<br>Borehole Name: Dale Street/Stevenson Square/Newton Street 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468815/ | A17SE (NW) | 603 | 2 | 384470 398420 |
| 388 | **BGS Boreholes**<br>BGS Reference: Sj89ne2379<br>Drilled Length (m): 3<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp37<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722669/ | A18SE (N) | 607 | 2 | 385210 398660 |
| 388 | **BGS Boreholes**<br>BGS Reference: Sj89ne2376<br>Drilled Length (m): 10<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722665/ | A18SE (N) | 609 | 2 | 385190 398670 |
| 388 | **BGS Boreholes**<br>BGS Reference: Sj89ne2380<br>Drilled Length (m): 3<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp38<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722671/ | A18SE (N) | 638 | 2 | 385220 398690 |
| 389 | **BGS Boreholes**<br>BGS Reference: Sj89nw3511<br>Drilled Length (m): Not Supplied<br>Borehole Name: Bloom Street/Abingdon Street 3<br>Link to Borehole Scan: Not Available | A12SE (W) | 611 | 2 | 384380 397920 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 390 | **BGS Boreholes**<br>BGS Reference: Sj89nw3636<br>Drilled Length (m): 15.24<br>Borehole Name: Manchester College A<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045830/ | A7NE (SW) | 613 | 2 | 384600 397580 |
| 391 | **BGS Boreholes**<br>BGS Reference: Sj89ne1336<br>Drilled Length (m): Not Supplied<br>Borehole Name: 13 / 15 / 17 / 19 New Islington Street 1<br>Link to Borehole Scan: Not Available | A18SE (NE) | 614 | 2 | 385290 398630 |
| 391 | **BGS Boreholes**<br>BGS Reference: Sj89ne1337<br>Drilled Length (m): Not Supplied<br>Borehole Name: 13 / 15 / 17 / 19 New Islington Street 2<br>Link to Borehole Scan: Not Available | A18SE (NE) | 622 | 2 | 385290 398640 |
| 391 | **BGS Boreholes**<br>BGS Reference: Sj89ne1338<br>Drilled Length (m): Not Supplied<br>Borehole Name: 13 / 15 / 17 / 19 New Islington Street 2a<br>Link to Borehole Scan: Not Available | A18SE (NE) | 622 | 2 | 385290 398640 |
| 391 | **BGS Boreholes**<br>BGS Reference: Sj89ne1339<br>Drilled Length (m): Not Supplied<br>Borehole Name: 13 / 15 / 17 / 19 New Islington Street 2b<br>Link to Borehole Scan: Not Available | A18SE (NE) | 622 | 2 | 385290 398640 |
| 391 | **BGS Boreholes**<br>BGS Reference: Sj89ne1340<br>Drilled Length (m): Not Supplied<br>Borehole Name: 13 / 15 / 17 / 19 New Islington Street 3<br>Link to Borehole Scan: Not Available | A18SE (NE) | 622 | 2 | 385290 398640 |
| 391 | **BGS Boreholes**<br>BGS Reference: Sj89ne1341<br>Drilled Length (m): Not Supplied<br>Borehole Name: 13 / 15 / 17 / 19 New Islington Street 4<br>Link to Borehole Scan: Not Available | A18SE (NE) | 622 | 2 | 385290 398640 |
| 391 | **BGS Boreholes**<br>BGS Reference: Sj89ne1342<br>Drilled Length (m): Not Supplied<br>Borehole Name: 13 / 15 / 17 / 19 New Islington Street Tp1<br>Link to Borehole Scan: Not Available | A18SE (NE) | 622 | 2 | 385290 398640 |
| 392 | **BGS Boreholes**<br>BGS Reference: Sj89nw12<br>Drilled Length (m): 6.1<br>Borehole Name: Manchester Corp. L Sewer<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042154/ | A8NW (SW) | 617 | 2 | 384681 397519 |
| 392 | **BGS Boreholes**<br>BGS Reference: Sj89nw11<br>Drilled Length (m): 7.62<br>Borehole Name: Manchester Corp. South Of London Road Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042153/ | A8NW (SW) | 653 | 2 | 384692 397473 |
| 393 | **BGS Boreholes**<br>BGS Reference: Sj89nw3639<br>Drilled Length (m): 7.16<br>Borehole Name: Manchester College D<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045833/ | A7NE (SW) | 617 | 2 | 384570 397600 |
| 393 | **BGS Boreholes**<br>BGS Reference: Sj89nw3638<br>Drilled Length (m): 5.18<br>Borehole Name: Manchester College C<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045832/ | A7NE (SW) | 632 | 2 | 384570 397580 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 393 | **BGS Boreholes**<br>BGS Reference: Sj89nw3641<br>Drilled Length (m): 3.96<br>Borehole Name: Manchester College F<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045835/ | A7NE (SW) | 638 | 2 | 384550 397590 |
| 393 | **BGS Boreholes**<br>BGS Reference: Sj89nw3642<br>Drilled Length (m): 7.62<br>Borehole Name: Manchester College G<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045836/ | A7NE (SW) | 646 | 2 | 384560 397570 |
| 393 | **BGS Boreholes**<br>BGS Reference: Sj89nw3637<br>Drilled Length (m): 8.99<br>Borehole Name: Manchester College B<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045831/ | A7NE (SW) | 655 | 2 | 384570 397550 |
| 394 | **BGS Boreholes**<br>BGS Reference: Sj89nw1341<br>Drilled Length (m): 19.49<br>Borehole Name: City Centre - Phase 2 37<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043535/ | A12NE (W) | 621 | 2 | 384350 398120 |
| 394 | **BGS Boreholes**<br>BGS Reference: Sj89nw335<br>Drilled Length (m): 20.42<br>Borehole Name: Piccadilly Hotel. No.4 Bh<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042501/ | A12NE (W) | 663 | 2 | 384310 398150 |
| 394 | **BGS Boreholes**<br>BGS Reference: Sj89nw336<br>Drilled Length (m): 23.77<br>Borehole Name: Piccadilly Hotel. Tower Block No.7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042502/ | A12NW (W) | 694 | 2 | 384280 398160 |
| 395 | **BGS Boreholes**<br>BGS Reference: Sj89nw1497<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Street 1<br>Link to Borehole Scan: Not Available | A12SE (SW) | 622 | 2 | 384450 397740 |
| 396 | **BGS Boreholes**<br>BGS Reference: Sj89ne16<br>Drilled Length (m): 11.58<br>Borehole Name: Manchester Corp. New York Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936415/ | A8NE (SE) | 629 | 2 | 385288 397504 |
| 397 | **BGS Boreholes**<br>BGS Reference: Sj89ne2381<br>Drilled Length (m): 3<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp39<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722672/ | A18SE (NE) | 631 | 2 | 385250 398670 |
| 397 | **BGS Boreholes**<br>BGS Reference: Sj89ne2382<br>Drilled Length (m): 3<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp40<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722674/ | A18SE (NE) | 646 | 2 | 385240 398690 |
| 397 | **BGS Boreholes**<br>BGS Reference: Sj89ne2383<br>Drilled Length (m): 4<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp41<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722675/ | A18SE (NE) | 671 | 2 | 385280 398700 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 398 | **BGS Boreholes**<br>BGS Reference: Sj89ne1970<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C5<br>Link to Borehole Scan: Not Available | A14NW (NE) | 633 | 2 | 385580 398330 |
| 398 | **BGS Boreholes**<br>BGS Reference: Sj89ne2017<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhc2<br>Link to Borehole Scan: Not Available | A14NW (E) | 647 | 2 | 385600 398320 |
| 398 | **BGS Boreholes**<br>BGS Reference: Sj89ne1971<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C6<br>Link to Borehole Scan: Not Available | A14NW (E) | 660 | 2 | 385610 398330 |
| 399 | **BGS Boreholes**<br>BGS Reference: Sj89nw3640<br>Drilled Length (m): 10.36<br>Borehole Name: Manchester College E<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045834/ | A7NE (SW) | 638 | 2 | 384550 397590 |
| 400 | **BGS Boreholes**<br>BGS Reference: Sj89ne1294<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 2<br>Link to Borehole Scan: Not Available | A14SW (E) | 642 | 2 | 385640 398040 |
| 400 | **BGS Boreholes**<br>BGS Reference: Sj89ne987<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Sewer Replacement 2<br>Link to Borehole Scan: Not Available | A14SE (E) | 662 | 2 | 385660 398050 |
| 401 | **BGS Boreholes**<br>BGS Reference: Sj89ne2377<br>Drilled Length (m): 18.9<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722667/ | A18SE (NE) | 644 | 2 | 385280 398670 |
| 402 | **BGS Boreholes**<br>BGS Reference: Sj89ne20/1<br>Drilled Length (m): 8.23<br>Borehole Name: Manchester Corp.<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936420/ | A14SW (SE) | 648 | 2 | 385594 397815 |
| 403 | **BGS Boreholes**<br>BGS Reference: Sj89ne634<br>Drilled Length (m): 20.53<br>Borehole Name: Lower Medlock Ucso 527a-E<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937051/ | A14SW (E) | 648 | 2 | 385600 397830 |
| 404 | **BGS Boreholes**<br>BGS Reference: Sj89nw3441<br>Drilled Length (m): 6<br>Borehole Name: Canal Street Sewer Renewal Scheme 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045635/ | A12SE (W) | 650 | 2 | 384370 397830 |
| 404 | **BGS Boreholes**<br>BGS Reference: Sj89nw3435<br>Drilled Length (m): 7.1<br>Borehole Name: Canal Street Sewer Renewal Scheme 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045629/ | A12SE (W) | 660 | 2 | 384360 397830 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 404 | **BGS Boreholes**<br>BGS Reference: Sj89nw3439<br>Drilled Length (m): 5.8<br>Borehole Name: Canal Street Sewer Renewal Scheme 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045633/ | A12SE (SW) | 690 | 2 | 384340 397800 |
| 404 | **BGS Boreholes**<br>BGS Reference: Sj89nw3440<br>Drilled Length (m): 5.8<br>Borehole Name: Canal Street Sewer Renewal Scheme 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045634/ | A12SE (SW) | 690 | 2 | 384340 397800 |
| 405 | **BGS Boreholes**<br>BGS Reference: Sj89ne694<br>Drilled Length (m): 7<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937111/ | A14NW (E) | 651 | 2 | 385650 398080 |
| 406 | **BGS Boreholes**<br>BGS Reference: Sj89nw1270<br>Drilled Length (m): Not Supplied<br>Borehole Name: Picadilly Gardens Tp1<br>Link to Borehole Scan: Not Available | A12NE (W) | 651 | 2 | 384360 398310 |
| 407 | **BGS Boreholes**<br>BGS Reference: Sj89nw1348<br>Drilled Length (m): 25.59<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 13<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043542/ | A18SW (N) | 653 | 2 | 384890 398740 |
| 407 | **BGS Boreholes**<br>BGS Reference: Sj89nw1349<br>Drilled Length (m): 29.5<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 14<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043543/ | A18NW (N) | 676 | 2 | 384870 398760 |
| 408 | **BGS Boreholes**<br>BGS Reference: Sj89nw315<br>Drilled Length (m): 7.92<br>Borehole Name: College Of Sci.& Tech. River Medlock Culvert 10<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042481/ | A7NE (SW) | 655 | 2 | 384632 397505 |
| 409 | **BGS Boreholes**<br>BGS Reference: Sj89nw1499<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Street 3<br>Link to Borehole Scan: Not Available | A7NE (SW) | 659 | 2 | 384510 397600 |
| 410 | **BGS Boreholes**<br>BGS Reference: Sj89nw29<br>Drilled Length (m): 25.91<br>Borehole Name: Manchester Corp. Rochdale Road Sewer<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042171/ | A18SW (NW) | 660 | 2 | 384666 398670 |
| 411 | **BGS Boreholes**<br>BGS Reference: Sj89nw1461<br>Drilled Length (m): Not Supplied<br>Borehole Name: Great Ancoats Street 1<br>Link to Borehole Scan: Not Available | A18SW (NW) | 663 | 2 | 384680 398680 |
| 411 | **BGS Boreholes**<br>BGS Reference: Sj89nw2904<br>Drilled Length (m): Not Supplied<br>Borehole Name: Swan Street 1c<br>Link to Borehole Scan: Not Available | A18SW (NW) | 663 | 2 | 384660 398670 |
| 412 | **BGS Boreholes**<br>BGS Reference: Sj89ne2493<br>Drilled Length (m): 18.28<br>Borehole Name: Manchester 23<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425202/ | A14SE (E) | 668 | 2 | 385660 397980 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 413 | **BGS Boreholes**<br>BGS Reference: Sj89nw1590<br>Drilled Length (m): 21.33<br>Borehole Name: Portland Street Manchester 14<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043784/ | A12NW (W) | 670 | 2 | 384300 398090 |
| 413 | **BGS Boreholes**<br>BGS Reference: Sj89nw1585<br>Drilled Length (m): 13.71<br>Borehole Name: Portland Street Manchester 9<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043779/ | A12NW (W) | 680 | 2 | 384290 398100 |
| 413 | **BGS Boreholes**<br>BGS Reference: Sj89nw1589<br>Drilled Length (m): 13.71<br>Borehole Name: Portland Street Manchester 13<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043783/ | A12SW (W) | 680 | 2 | 384290 398070 |
| 413 | **BGS Boreholes**<br>BGS Reference: Sj89nw1581<br>Drilled Length (m): 17.37<br>Borehole Name: Portland Street Manchester 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043775/ | A12NW (W) | 690 | 2 | 384280 398100 |
| 414 | **BGS Boreholes**<br>BGS Reference: Sj89nw3550<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Street / Bloom Street 1<br>Link to Borehole Scan: Not Available | A12SE (W) | 677 | 2 | 384330 397860 |
| 414 | **BGS Boreholes**<br>BGS Reference: Sj89nw3551<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Street / Bloom Street 2<br>Link to Borehole Scan: Not Available | A12SE (W) | 677 | 2 | 384330 397860 |
| 414 | **BGS Boreholes**<br>BGS Reference: Sj89nw3512<br>Drilled Length (m): Not Supplied<br>Borehole Name: Bloom Street/Abingdon Street 4<br>Link to Borehole Scan: Not Available | A12SE (W) | 687 | 2 | 384320 397860 |
| 414 | **BGS Boreholes**<br>BGS Reference: Sj89nw3552<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Street / Bloom Street 3<br>Link to Borehole Scan: Not Available | A12SE (W) | 693 | 2 | 384310 397870 |
| 415 | **BGS Boreholes**<br>BGS Reference: Sj89nw1321<br>Drilled Length (m): Not Supplied<br>Borehole Name: Portland Street 5/5a<br>Link to Borehole Scan: Not Available | A12SW (W) | 681 | 2 | 384290 398040 |
| 416 | **BGS Boreholes**<br>BGS Reference: Sj89ne1295<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 3<br>Link to Borehole Scan: Not Available | A14NE (E) | 682 | 2 | 385680 398110 |
| 417 | **BGS Boreholes**<br>BGS Reference: Sj89nw4095<br>Drilled Length (m): Not Supplied<br>Borehole Name: Granby Village Manchester 2<br>Link to Borehole Scan: Not Available | A7NE (SW) | 686 | 2 | 384400 397700 |
| 417 | **BGS Boreholes**<br>BGS Reference: Sj89nw4094<br>Drilled Length (m): Not Supplied<br>Borehole Name: Granby Village Manchester 1<br>Link to Borehole Scan: Not Available | A7NE (SW) | 713 | 2 | 384380 397680 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 418 | **BGS Boreholes**<br>BGS Reference: Sj89nw4119<br>Drilled Length (m): 90<br>Borehole Name: Origin Development, Bh 2 (Abh)<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18108077/ | A7NE (SW) | 687 | 2 | 384378 397733 |
| 419 | **BGS Boreholes**<br>BGS Reference: Sj89ne2384<br>Drilled Length (m): 4<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp42<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722677/ | A18SE (NE) | 689 | 2 | 385280 398720 |
| 419 | **BGS Boreholes**<br>BGS Reference: Sj89ne2385<br>Drilled Length (m): 3<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp43<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722679/ | A18SE (NE) | 689 | 2 | 385300 398710 |
| 419 | **BGS Boreholes**<br>BGS Reference: Sj89ne2386<br>Drilled Length (m): 3<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp44<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722681/ | A18SE (NE) | 716 | 2 | 385300 398740 |
| 419 | **BGS Boreholes**<br>BGS Reference: Sj89ne2387<br>Drilled Length (m): 4<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp45<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722682/ | A18SE (NE) | 725 | 2 | 385320 398740 |
| 420 | **BGS Boreholes**<br>BGS Reference: Sj89nw1584<br>Drilled Length (m): 13.59<br>Borehole Name: Portland Street Manchester 8<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043778/ | A12NW (W) | 690 | 2 | 384280 398080 |
| 420 | **BGS Boreholes**<br>BGS Reference: Sj89nw1588<br>Drilled Length (m): 13.71<br>Borehole Name: Portland Street Manchester 12<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043782/ | A12SW (W) | 690 | 2 | 384280 398050 |
| 420 | **BGS Boreholes**<br>BGS Reference: Sj89nw1580<br>Drilled Length (m): 13.62<br>Borehole Name: Portland Street Manchester 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043774/ | A12NW (W) | 700 | 2 | 384270 398090 |
| 420 | **BGS Boreholes**<br>BGS Reference: Sj89nw1583<br>Drilled Length (m): 19.38<br>Borehole Name: Portland Street Manchester 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043777/ | A12SW (W) | 700 | 2 | 384270 398070 |
| 420 | **BGS Boreholes**<br>BGS Reference: Sj89nw1579<br>Drilled Length (m): 13.71<br>Borehole Name: Portland Street Manchester 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043773/ | A12SW (W) | 710 | 2 | 384260 398070 |
| 420 | **BGS Boreholes**<br>BGS Reference: Sj89nw1587<br>Drilled Length (m): 12.64<br>Borehole Name: Portland Street Manchester 11<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043781/ | A12SW (W) | 710 | 2 | 384260 398050 |
| 420 | **BGS Boreholes**<br>BGS Reference: Sj89nw1578<br>Drilled Length (m): 12.37<br>Borehole Name: Portland Street Manchester 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043772/ | A12SW (W) | 720 | 2 | 384250 398060 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 420 | **BGS Boreholes**<br>BGS Reference: Sj89nw1582<br>Drilled Length (m): 12.19<br>Borehole Name: Portland Street Manchester 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043776/ | A12SW (W) | 720 | 2 | 384250 398050 |
| 420 | **BGS Boreholes**<br>BGS Reference: Sj89nw1586<br>Drilled Length (m): 18.89<br>Borehole Name: Portland Street Manchester 10<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043780/ | A12SW (W) | 721 | 2 | 384250 398040 |
| 420 | **BGS Boreholes**<br>BGS Reference: Sj89nw1577<br>Drilled Length (m): 18.25<br>Borehole Name: Portland Street Manchester 1<br>Link to Borehole Scan: Not Available | A12SW (W) | 730 | 2 | 384240 398050 |
| 421 | **BGS Boreholes**<br>BGS Reference: Sj89nw4096<br>Drilled Length (m): Not Supplied<br>Borehole Name: Granby Village Manchester 3<br>Link to Borehole Scan: Not Available | A7NE (SW) | 691 | 2 | 384420 397660 |
| 421 | **BGS Boreholes**<br>BGS Reference: Sj89nw3620<br>Drilled Length (m): Not Supplied<br>Borehole Name: Granby Row / Whitworth Street 3<br>Link to Borehole Scan: Not Available | A7NE (SW) | 700 | 2 | 384430 397630 |
| 422 | **BGS Boreholes**<br>BGS Reference: Sj89ne1972<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C7<br>Link to Borehole Scan: Not Available | A14NW (NE) | 696 | 2 | 385640 398350 |
| 422 | **BGS Boreholes**<br>BGS Reference: Sj89ne1973<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C8<br>Link to Borehole Scan: Not Available | A14NE (NE) | 735 | 2 | 385670 398380 |
| 423 | **BGS Boreholes**<br>BGS Reference: Sj89ne21<br>Drilled Length (m): 5.18<br>Borehole Name: Manchester Corp. Palmerstone Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936422/ | A14SE (E) | 697 | 2 | 385662 397859 |
| 424 | **BGS Boreholes**<br>BGS Reference: Sj89nw545<br>Drilled Length (m): 13.41<br>Borehole Name: Church St Car Pk Manch 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042739/ | A17SE (NW) | 697 | 2 | 384448 398544 |
| 425 | **BGS Boreholes**<br>BGS Reference: Sj89nw539<br>Drilled Length (m): 15.24<br>Borehole Name: Church St Car Pk Manch 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042733/ | A17SE (NW) | 698 | 2 | 384405 398493 |
| 425 | **BGS Boreholes**<br>BGS Reference: Sj89nw540<br>Drilled Length (m): 10.97<br>Borehole Name: Church St Car Pk Manch 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042734/ | A17SE (NW) | 733 | 2 | 384377 398514 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 426 | **BGS Boreholes**<br>BGS Reference: Sj89nw3553<br>Drilled Length (m): Not Supplied<br>Borehole Name: Church Street / High Street 1<br>Link to Borehole Scan: Not Available | A17SE (NW) | 698 | 2 | 384390 398470 |
| 427 | **BGS Boreholes**<br>BGS Reference: Sj89nw1500<br>Drilled Length (m): Not Supplied<br>Borehole Name: Sackville Street 4<br>Link to Borehole Scan: Not Available | A7NE (SW) | 703 | 2 | 384520 397530 |
| 428 | **BGS Boreholes**<br>BGS Reference: Sj89ne988<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Sewer Replacement 3<br>Link to Borehole Scan: Not Available | A14NE (E) | 703 | 2 | 385700 398130 |
| 428 | **BGS Boreholes**<br>BGS Reference: Sj89ne1348<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Tp2<br>Link to Borehole Scan: Not Available | A14NE (E) | 712 | 2 | 385710 398120 |
| 428 | **BGS Boreholes**<br>BGS Reference: Sj89ne1349<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Tp3<br>Link to Borehole Scan: Not Available | A14NE (E) | 722 | 2 | 385720 398110 |
| 428 | **BGS Boreholes**<br>BGS Reference: Sj89ne1350<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Tp4<br>Link to Borehole Scan: Not Available | A14NE (E) | 732 | 2 | 385730 398110 |
| 428 | **BGS Boreholes**<br>BGS Reference: Sj89ne1347<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Tp1<br>Link to Borehole Scan: Not Available | A14NE (E) | 733 | 2 | 385730 398130 |
| 428 | **BGS Boreholes**<br>BGS Reference: Sj89ne1022<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 1<br>Link to Borehole Scan: Not Available | A14NE (E) | 741 | 2 | 385740 398100 |
| 428 | **BGS Boreholes**<br>BGS Reference: Sj89ne989<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Sewer Replacement 4<br>Link to Borehole Scan: Not Available | A14NE (E) | 744 | 2 | 385740 398150 |
| 428 | **BGS Boreholes**<br>BGS Reference: Sj89ne1296<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 4<br>Link to Borehole Scan: Not Available | A14NE (E) | 745 | 2 | 385740 398160 |
| 429 | **BGS Boreholes**<br>BGS Reference: Sj89nw543<br>Drilled Length (m): 7.62<br>Borehole Name: Church St Car Pk Manch 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042737/ | A17SE (NW) | 709 | 2 | 384412 398519 |
| 429 | **BGS Boreholes**<br>BGS Reference: Sj89nw542<br>Drilled Length (m): 7.62<br>Borehole Name: Church St Car Pk Manch 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042736/ | A17SE (NW) | 740 | 2 | 384384 398535 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 430 | **BGS Boreholes**<br>BGS Reference: Sj89nw3265<br>Drilled Length (m): Not Supplied<br>Borehole Name: 33 Blossom St Ancoats<br>Link to Borehole Scan: Not Available | A18NW (N) | 711 | 2 | 384900 398800 |
| 431 | **BGS Boreholes**<br>BGS Reference: Sj89ne1028<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Tha<br>Link to Borehole Scan: Not Available | A14SE (E) | 713 | 2 | 385710 398020 |
| 431 | **BGS Boreholes**<br>BGS Reference: Sj89ne1029<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thb<br>Link to Borehole Scan: Not Available | A14SE (E) | 722 | 2 | 385720 398040 |
| 432 | **BGS Boreholes**<br>BGS Reference: Sj89ne116<br>Drilled Length (m): 124.05<br>Borehole Name: Jewsbury & Browns Andwich Green<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936521/ | A8SE (S) | 718 | 2 | 385053 397341 |
| 433 | **BGS Boreholes**<br>BGS Reference: Sj89nw295<br>Drilled Length (m): Not Supplied<br>Borehole Name: No Details<br>Link to Borehole Scan: Not Available | A12NW (W) | 720 | 2 | 384250 398100 |
| 434 | **BGS Boreholes**<br>BGS Reference: Sj89nw317<br>Drilled Length (m): 12.19<br>Borehole Name: Portland Street & Car Park. Bh'S 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042483/ | A12SW (W) | 720 | 2 | 384263 397946 |
| 435 | **BGS Boreholes**<br>BGS Reference: Sj89nw1351<br>Drilled Length (m): 24.6<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 17<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043545/ | A18NW (N) | 726 | 2 | 384780 398790 |
| 435 | **BGS Boreholes**<br>BGS Reference: Sj89nw1350<br>Drilled Length (m): 26.85<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 16<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043544/ | A18NW (N) | 745 | 2 | 384820 398820 |
| 436 | **BGS Boreholes**<br>BGS Reference: Sj89ne864<br>Drilled Length (m): 13.3<br>Borehole Name: Pin Mill Brow 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937281/ | A14SE (SE) | 730 | 2 | 385660 397760 |
| 437 | **BGS Boreholes**<br>BGS Reference: Sj89nw10<br>Drilled Length (m): 7.92<br>Borehole Name: Manchester Corp. South Of London Road Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042152/ | A7NE (SW) | 732 | 2 | 384619 397423 |
| 438 | **BGS Boreholes**<br>BGS Reference: Sj89ne2492<br>Drilled Length (m): 7.62<br>Borehole Name: Manchester 22<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425201/ | A14SE (E) | 732 | 2 | 385720 397950 |
| 438 | **BGS Boreholes**<br>BGS Reference: Sj89ne22<br>Drilled Length (m): 6.4<br>Borehole Name: Manchester Corp. Palmerstone Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936423/ | A14SE (E) | 741 | 2 | 385721 397912 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
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| 439 | **BGS Boreholes**<br>BGS Reference: Sj89nw337<br>Drilled Length (m): 23.93<br>Borehole Name: Piccadilly Hotel. Tower Block No.10<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042503/ | A12NW (W) | 736 | 2 | 384240 398180 |
| 440 | **BGS Boreholes**<br>BGS Reference: Sj89nw544<br>Drilled Length (m): 15.24<br>Borehole Name: Church St Car Pk Manch 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042738/ | A17SE (NW) | 738 | 2 | 384402 398553 |
| 440 | **BGS Boreholes**<br>BGS Reference: Sj89nw541<br>Drilled Length (m): 15.24<br>Borehole Name: Church St Car Pk Manch 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042735/ | A17SE (NW) | 757 | 2 | 384359 398529 |
| 441 | **BGS Boreholes**<br>BGS Reference: Sj89nw1238<br>Drilled Length (m): Not Supplied<br>Borehole Name: Cluster 12 Oldham Road Manchester 4<br>Link to Borehole Scan: Not Available | A18NW (N) | 739 | 2 | 384850 398820 |
| 442 | **BGS Boreholes**<br>BGS Reference: Sj89nw3515<br>Drilled Length (m): Not Supplied<br>Borehole Name: Bloom Street/Abingdon Street 7<br>Link to Borehole Scan: Not Available | A12SW (SW) | 739 | 2 | 384300 397770 |
| 442 | **BGS Boreholes**<br>BGS Reference: Sj89nw3514<br>Drilled Length (m): Not Supplied<br>Borehole Name: Bloom Street/Abingdon Street 6<br>Link to Borehole Scan: Not Available | A12SW (W) | 764 | 2 | 384260 397800 |
| 443 | **BGS Boreholes**<br>BGS Reference: Sj89nw297<br>Drilled Length (m): Not Supplied<br>Borehole Name: No Details<br>Link to Borehole Scan: Not Available | A12SW (SW) | 739 | 2 | 384300 397770 |
| 444 | **BGS Boreholes**<br>BGS Reference: Sj89ne862<br>Drilled Length (m): 7.8<br>Borehole Name: Pin Mill Brow 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937279/ | A14SE (SE) | 740 | 2 | 385670 397760 |
| 444 | **BGS Boreholes**<br>BGS Reference: Sj89ne863<br>Drilled Length (m): 8<br>Borehole Name: Pin Mill Brow 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937280/ | A14SE (SE) | 785 | 2 | 385720 397760 |
| 444 | **BGS Boreholes**<br>BGS Reference: Sj89ne2499<br>Drilled Length (m): 2.89<br>Borehole Name: Manchester Tp3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425210/ | A9NE (SE) | 788 | 2 | 385710 397730 |
| 445 | **BGS Boreholes**<br>BGS Reference: Sj89ne645<br>Drilled Length (m): 15<br>Borehole Name: Lower Medlock Ucso 528<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937062/ | A14SE (E) | 741 | 2 | 385720 397910 |
| 445 | **BGS Boreholes**<br>BGS Reference: Sj89ne2473<br>Drilled Length (m): 20.87<br>Borehole Name: Manchester 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425174/ | A14SE (E) | 748 | 2 | 385730 397920 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 445 | **BGS Boreholes**<br>BGS Reference: Sj89ne636<br>Drilled Length (m): 15<br>Borehole Name: Lower Medlock Ucso 529<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937053/ | A14SE (E) | 766 | 2 | 385750 397930 |
| 445 | **BGS Boreholes**<br>BGS Reference: Sj89ne635<br>Drilled Length (m): 17<br>Borehole Name: Lower Medlock Ucso 528a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937052/ | A14SE (E) | 772 | 2 | 385750 397900 |
| 446 | **BGS Boreholes**<br>BGS Reference: Sj89ne1030<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thf<br>Link to Borehole Scan: Not Available | A14NE (E) | 741 | 2 | 385740 398080 |
| 446 | **BGS Boreholes**<br>BGS Reference: Sj89ne1031<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thg<br>Link to Borehole Scan: Not Available | A14NE (E) | 761 | 2 | 385760 398090 |
| 447 | **BGS Boreholes**<br>BGS Reference: Sj89nw1556<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thomas Street High Street 6<br>Link to Borehole Scan: Not Available | A17SE (NW) | 741 | 2 | 384460 398620 |
| 448 | **BGS Boreholes**<br>BGS Reference: Sj89ne2388<br>Drilled Length (m): 3<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp46<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722684/ | A18NE (NE) | 743 | 2 | 385320 398760 |
| 449 | **BGS Boreholes**<br>BGS Reference: Sj89nw3596<br>Drilled Length (m): Not Supplied<br>Borehole Name: George Street Sewer Replacement Scheme 1<br>Link to Borehole Scan: Not Available | A12NW (W) | 744 | 2 | 384230 398160 |
| 450 | **BGS Boreholes**<br>BGS Reference: Sj89nw4118<br>Drilled Length (m): 90<br>Borehole Name: Origin Development, Bh 1 (Recharge)<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18108076/ | A12SW (SW) | 744 | 2 | 384306 397746 |
| 451 | **BGS Boreholes**<br>BGS Reference: Sj89nw1557<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thomas Street High Street 7<br>Link to Borehole Scan: Not Available | A17SE (NW) | 756 | 2 | 384410 398590 |
| 452 | **BGS Boreholes**<br>BGS Reference: Sj89ne2378<br>Drilled Length (m): 14.8<br>Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722668/ | A19NW (NE) | 756 | 2 | 385330 398770 |
| 453 | **BGS Boreholes**<br>BGS Reference: Sj89ne104<br>Drilled Length (m): 60.96<br>Borehole Name: Hugh Stevenson & Sons Ltd, Pollard Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936506/ | A14NE (NE) | 760 | 2 | 385700 398374 |
| 454 | **BGS Boreholes**<br>BGS Reference: Sj89ne2474<br>Drilled Length (m): 20.42<br>Borehole Name: Manchester 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425178/ | A14SE (E) | 769 | 2 | 385740 397870 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 455 | **BGS Boreholes**<br>BGS Reference: Sj89nw3513<br>Drilled Length (m): Not Supplied<br>Borehole Name: Bloom Street/Abingdon Street 5<br>Link to Borehole Scan: Not Available | A12SW (W) | 775 | 2 | 384230 397850 |
| 456 | **BGS Boreholes**<br>BGS Reference: Sj89ne2018<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhd1<br>Link to Borehole Scan: Not Available | A14NE (NE) | 776 | 2 | 385710 398390 |
| 457 | **BGS Boreholes**<br>BGS Reference: Sj89nw110<br>Drilled Length (m): 7.62<br>Borehole Name: Manchester Corp. Shooters Brook Relief Sewer<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042252/ | A7NW (SW) | 781 | 2 | 384297 397685 |
| 458 | **BGS Boreholes**<br>BGS Reference: Sj89ne23<br>Drilled Length (m): 4.11<br>Borehole Name: Manchester Corp. Palmerstone Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936424/ | A14SE (E) | 785 | 2 | 385775 397959 |
| 458 | **BGS Boreholes**<br>BGS Reference: Sj89ne638<br>Drilled Length (m): 1.2<br>Borehole Name: Lower Medlock Ucso 530a/Aa<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937055/ | A14SE (E) | 789 | 2 | 385780 397970 |
| 458 | **BGS Boreholes**<br>BGS Reference: Sj89ne637<br>Drilled Length (m): 10<br>Borehole Name: Lower Medlock Ucso 530<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937054/ | A14SE (E) | 805 | 2 | 385800 398000 |
| 459 | **BGS Boreholes**<br>BGS Reference: Sj89ne639<br>Drilled Length (m): 14.6<br>Borehole Name: Lower Medlock Ucso 530aaa<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937056/ | A14SE (E) | 787 | 2 | 385780 397980 |
| 460 | **BGS Boreholes**<br>BGS Reference: Sj89nw3597<br>Drilled Length (m): Not Supplied<br>Borehole Name: George Street Sewer Replacement Scheme 2<br>Link to Borehole Scan: Not Available | A12NW (W) | 790 | 2 | 384180 398100 |
| 461 | **BGS Boreholes**<br>BGS Reference: Sj89nw3605<br>Drilled Length (m): Not Supplied<br>Borehole Name: Addington Street Improvement 4<br>Link to Borehole Scan: Not Available | A18NW (NW) | 792 | 2 | 384650 398810 |
| 462 | **BGS Boreholes**<br>BGS Reference: Sj89ne109<br>Drilled Length (m): 64.01<br>Borehole Name: Gateshouse & Yates, Castle Brewery<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936511/ | A9NW (SE) | 796 | 2 | 385655 397617 |
| 463 | **BGS Boreholes**<br>BGS Reference: Sj89nw1237<br>Drilled Length (m): Not Supplied<br>Borehole Name: Cluster 12 Oldham Road Manchester 3<br>Link to Borehole Scan: Not Available | A18NW (N) | 796 | 2 | 384950 398890 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 464 | **BGS Boreholes**<br>BGS Reference: Sj89nw1320<br>Drilled Length (m): Not Supplied<br>Borehole Name: Portland Street 4/4a<br>Link to Borehole Scan: Not Available | A12SW (W) | 798 | 2 | 384190 397910 |
| 465 | **BGS Boreholes**<br>BGS Reference: Sj89nw2905<br>Drilled Length (m): Not Supplied<br>Borehole Name: Swan Street 2<br>Link to Borehole Scan: Not Available | A17NE (NW) | 798 | 2 | 384550 398760 |
| 465 | **BGS Boreholes**<br>BGS Reference: Sj89nw2906<br>Drilled Length (m): Not Supplied<br>Borehole Name: Swan Street 2a<br>Link to Borehole Scan: Not Available | A17NE (NW) | 798 | 2 | 384550 398760 |
| 466 | **BGS Boreholes**<br>BGS Reference: Sj89nw760<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thompson Street Manchester Bh4<br>Link to Borehole Scan: Not Available | A18NW (N) | 798 | 2 | 384800 398870 |
| 466 | **BGS Boreholes**<br>BGS Reference: Sj89nw761<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thompson Street Manchester Bh5<br>Link to Borehole Scan: Not Available | A18NW (N) | 803 | 2 | 384780 398870 |
| 467 | **BGS Boreholes**<br>BGS Reference: Sj89nw3621<br>Drilled Length (m): Not Supplied<br>Borehole Name: Granby Row / Whitworth Street 4<br>Link to Borehole Scan: Not Available | A7NE (SW) | 799 | 2 | 384330 397600 |
| 468 | **BGS Boreholes**<br>BGS Reference: Sj89nw3276<br>Drilled Length (m): Not Supplied<br>Borehole Name: Galbraith Street Manchester Ob<br>Link to Borehole Scan: Not Available | A7NW (SW) | 802 | 2 | 384270 397690 |
| 469 | **BGS Boreholes**<br>BGS Reference: Sj89nw3622<br>Drilled Length (m): Not Supplied<br>Borehole Name: Granby Row / Whitworth Street 5a<br>Link to Borehole Scan: Not Available | A7NW (SW) | 803 | 2 | 384280 397670 |
| 470 | **BGS Boreholes**<br>BGS Reference: Sj89ne2496<br>Drilled Length (m): 15.31<br>Borehole Name: Manchester R1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425205/ | A14SE (SE) | 803 | 2 | 385730 397740 |
| 470 | **BGS Boreholes**<br>BGS Reference: Sj89ne2476<br>Drilled Length (m): 17.22<br>Borehole Name: Manchester 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425182/ | A9NE (SE) | 843 | 2 | 385770 397730 |
| 470 | **BGS Boreholes**<br>BGS Reference: Sj89ne2477<br>Drilled Length (m): 26.51<br>Borehole Name: Manchester 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425184/ | A9NE (SE) | 851 | 2 | 385770 397710 |
| 470 | **BGS Boreholes**<br>BGS Reference: Sj89ne2478<br>Drilled Length (m): 28.95<br>Borehole Name: Manchester 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425185/ | A9NE (SE) | 864 | 2 | 385770 397680 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 471 | **BGS Boreholes**<br>BGS Reference: Sj89nw247<br>Drilled Length (m): 63.55<br>Borehole Name: Dunlop Rubber Co, Brook Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042401/ | A7NE (SW) | 806 | 2 | 384444 397459 |
| 472 | **BGS Boreholes**<br>BGS Reference: Sj89ne2498<br>Drilled Length (m): 1.37<br>Borehole Name: Manchester Tp2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425208/ | A14SE (SE) | 808 | 2 | 385740 397750 |
| 472 | **BGS Boreholes**<br>BGS Reference: Sj89ne2497<br>Drilled Length (m): 2.13<br>Borehole Name: Manchester Tp1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425207/ | A14SE (E) | 810 | 2 | 385750 397770 |
| 473 | **BGS Boreholes**<br>BGS Reference: Sj89nw9<br>Drilled Length (m): 8.23<br>Borehole Name: Manchester Corp. South Of London Road Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042151/ | A7SE (SW) | 809 | 2 | 384560 397368 |
| 473 | **BGS Boreholes**<br>BGS Reference: Sj89nw332<br>Drilled Length (m): 8.53<br>Borehole Name: Mancuman Way, No.11<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042498/ | A7SE (SW) | 821 | 2 | 384563 397352 |
| 473 | **BGS Boreholes**<br>BGS Reference: Sj89nw8<br>Drilled Length (m): 9.45<br>Borehole Name: Manchester Corp. South Of London Road Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042150/ | A7SE (SW) | 846 | 2 | 384545 397334 |
| 474 | **BGS Boreholes**<br>BGS Reference: Sj89nw342<br>Drilled Length (m): 15.85<br>Borehole Name: Barclay'S Bank, York Street. 3 Bh'S<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042520/ | A12NW (W) | 809 | 2 | 384180 398260 |
| 475 | **BGS Boreholes**<br>BGS Reference: Sj89nw1352<br>Drilled Length (m): 12.03<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 18<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043546/ | A18NW (N) | 809 | 2 | 384700 398850 |
| 476 | **BGS Boreholes**<br>BGS Reference: Sj89nw206<br>Drilled Length (m): 86.87<br>Borehole Name: Boardman & Co, Oak Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042349/ | A17SE (NW) | 811 | 2 | 384441 398697 |
| 477 | **BGS Boreholes**<br>BGS Reference: Sj89nw3707<br>Drilled Length (m): Not Supplied<br>Borehole Name: Chinese Car Park Manchester 3<br>Link to Borehole Scan: Not Available | A12SW (W) | 811 | 2 | 384160 398030 |
| 478 | **BGS Boreholes**<br>BGS Reference: Sj89ne2475<br>Drilled Length (m): 13.03<br>Borehole Name: Manchester 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425180/ | A14SE (E) | 818 | 2 | 385770 397800 |
| 479 | **BGS Boreholes**<br>BGS Reference: Sj89ne1046<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thx<br>Link to Borehole Scan: Not Available | A14NE (E) | 827 | 2 | 385810 398240 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 479 | **BGS Boreholes**<br>BGS Reference: Sj89ne1032<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thh<br>Link to Borehole Scan: Not Available | A14NE (E) | 843 | 2 | 385830 398220 |
| 479 | **BGS Boreholes**<br>BGS Reference: Sj89ne1023<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 2<br>Link to Borehole Scan: Not Available | A14NE (E) | 850 | 2 | 385830 398260 |
| 480 | **BGS Boreholes**<br>BGS Reference: Sj89ne1974<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp D1<br>Link to Borehole Scan: Not Available | A14NE (NE) | 830 | 2 | 385760 398410 |
| 481 | **BGS Boreholes**<br>BGS Reference: Sj89nw3706<br>Drilled Length (m): Not Supplied<br>Borehole Name: Chinese Car Park Manchester 2<br>Link to Borehole Scan: Not Available | A12SW (W) | 831 | 2 | 384140 398030 |
| 481 | **BGS Boreholes**<br>BGS Reference: Sj89nw3705<br>Drilled Length (m): Not Supplied<br>Borehole Name: Chinese Car Park Manchester 1a<br>Link to Borehole Scan: Not Available | A12SW (W) | 832 | 2 | 384140 398020 |
| 481 | **BGS Boreholes**<br>BGS Reference: Sj89nw3598<br>Drilled Length (m): Not Supplied<br>Borehole Name: George Street Sewer Replacement Scheme 3<br>Link to Borehole Scan: Not Available | A12SW (W) | 843 | 2 | 384130 398010 |
| 481 | **BGS Boreholes**<br>BGS Reference: Sj89nw208<br>Drilled Length (m): Not Supplied<br>Borehole Name: G.P.O. Manchester<br>Link to Borehole Scan: Not Available | A12SW (W) | 873 | 2 | 384098 398042 |
| 481 | **BGS Boreholes**<br>BGS Reference: Sj89nw3540<br>Drilled Length (m): Not Supplied<br>Borehole Name: Athenaeum Link Bh3<br>Link to Borehole Scan: Not Available | A12SW (W) | 892 | 2 | 384080 398020 |
| 481 | **BGS Boreholes**<br>BGS Reference: Sj89nw3539<br>Drilled Length (m): Not Supplied<br>Borehole Name: Athenaeum Link Bh2<br>Link to Borehole Scan: Not Available | A12SW (W) | 893 | 2 | 384080 398010 |
| 481 | **BGS Boreholes**<br>BGS Reference: Sj89nw3538<br>Drilled Length (m): Not Supplied<br>Borehole Name: Athenaeum Link Bh1<br>Link to Borehole Scan: Not Available | A12SW (W) | 902 | 2 | 384070 398010 |
| 482 | **BGS Boreholes**<br>BGS Reference: Sj89nw3572<br>Drilled Length (m): Not Supplied<br>Borehole Name: Mosley Street Sewer Reconstruction 1<br>Link to Borehole Scan: Not Available | A12NW (W) | 833 | 2 | 384140 398160 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 483 | **BGS Boreholes**<br>BGS Reference: Sj89nw759<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thompson Street Manchester Bh3<br>Link to Borehole Scan: Not Available | A18NW (N) | 840 | 2 | 384750 398900 |
| 483 | **BGS Boreholes**<br>BGS Reference: Sj89nw758<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thompson Street Manchester Bh2<br>Link to Borehole Scan: Not Available | A18NW (N) | 872 | 2 | 384740 398930 |
| 483 | **BGS Boreholes**<br>BGS Reference: Sj89nw757<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thompson Street Manchester Bh1<br>Link to Borehole Scan: Not Available | A18NW (N) | 878 | 2 | 384720 398930 |
| 484 | **BGS Boreholes**<br>BGS Reference: Sj89nw3554<br>Drilled Length (m): Not Supplied<br>Borehole Name: Church Street / High Street 2<br>Link to Borehole Scan: Not Available | A17SW (NW) | 842 | 2 | 384250 398520 |
| 485 | **BGS Boreholes**<br>BGS Reference: Sj89ne619<br>Drilled Length (m): 2.1<br>Borehole Name: Lower Medlock Palmerston Street Tp32/A<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937036/ | A14SE (E) | 843 | 2 | 385840 398020 |
| 485 | **BGS Boreholes**<br>BGS Reference: Sj89ne620<br>Drilled Length (m): 2.1<br>Borehole Name: Lower Medlock Palmerston Street Tp32/B<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937037/ | A14SE (E) | 843 | 2 | 385840 398020 |
| 485 | **BGS Boreholes**<br>BGS Reference: Sj89ne24<br>Drilled Length (m): 6.1<br>Borehole Name: Manchester Corp. Palmerstone Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936425/ | A14SE (E) | 851 | 2 | 385849 398029 |
| 485 | **BGS Boreholes**<br>BGS Reference: Sj89ne616<br>Drilled Length (m): 2<br>Borehole Name: Lower Medlock Palmerston Street Tp30/A<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937033/ | A14SE (E) | 852 | 2 | 385850 398030 |
| 485 | **BGS Boreholes**<br>BGS Reference: Sj89ne617<br>Drilled Length (m): 2.6<br>Borehole Name: Lower Medlock Palmerston Street Tp30/B<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937034/ | A14SE (E) | 852 | 2 | 385850 398030 |
| 485 | **BGS Boreholes**<br>BGS Reference: Sj89ne618<br>Drilled Length (m): 3.3<br>Borehole Name: Lower Medlock Palmerston Street Tp31<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937035/ | A14SE (E) | 852 | 2 | 385850 398030 |
| 485 | **BGS Boreholes**<br>BGS Reference: Sj89ne615<br>Drilled Length (m): 10<br>Borehole Name: Lower Medlock Palmerston Street 531e<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937032/ | A14SE (E) | 853 | 2 | 385850 398020 |
| 485 | **BGS Boreholes**<br>BGS Reference: Sj89ne621<br>Drilled Length (m): 2<br>Borehole Name: Lower Medlock Palmerston Street Tp33/A<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937038/ | A14SE (E) | 853 | 2 | 385850 398020 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 485 | **BGS Boreholes**<br>BGS Reference: Sj89ne622<br>Drilled Length (m): 2<br>Borehole Name: Lower Medlock Palmerston Street Tp33/B<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937039/ | A14SE (E) | 853 | 2 | 385850 398020 |
| 485 | **BGS Boreholes**<br>BGS Reference: Sj89ne623<br>Drilled Length (m): 3.9<br>Borehole Name: Lower Medlock Palmerston Street Tp34<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937040/ | A14SE (E) | 853 | 2 | 385850 398020 |
| 486 | **BGS Boreholes**<br>BGS Reference: Sj89ne31<br>Drilled Length (m): 9.3<br>Borehole Name: Manchester Corp. Corner Of Webster Place & Kirk St<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936432/ | A14NE (E) | 845 | 2 | 385841 398148 |
| 487 | **BGS Boreholes**<br>BGS Reference: Sj89nw1356<br>Drilled Length (m): 8.07<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 22<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043550/ | A18NW (N) | 846 | 2 | 384950 398940 |
| 488 | **BGS Boreholes**<br>BGS Reference: Sj89nw2011<br>Drilled Length (m): Not Supplied<br>Borehole Name: Obelisk, Market St. 1<br>Link to Borehole Scan: Not Available | A17SW (NW) | 850 | 2 | 384190 398420 |
| 489 | **BGS Boreholes**<br>BGS Reference: Sj89ne1297<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 5<br>Link to Borehole Scan: Not Available | A14NE (E) | 850 | 2 | 385820 398300 |
| 489 | **BGS Boreholes**<br>BGS Reference: Sj89ne1045<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thw<br>Link to Borehole Scan: Not Available | A14NE (E) | 889 | 2 | 385860 398300 |
| 490 | **BGS Boreholes**<br>BGS Reference: Sj89ne29<br>Drilled Length (m): 7.62<br>Borehole Name: Manchester Corp. Tutbury Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936430/ | A14NE (E) | 851 | 2 | 385850 398094 |
| 490 | **BGS Boreholes**<br>BGS Reference: Sj89ne640<br>Drilled Length (m): 10<br>Borehole Name: Lower Medlock Ucso 531<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937057/ | A14NE (E) | 881 | 2 | 385880 398080 |
| 490 | **BGS Boreholes**<br>BGS Reference: Sj89ne643<br>Drilled Length (m): 10<br>Borehole Name: Lower Medlock Ucso 531c<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937060/ | A14SE (E) | 891 | 2 | 385890 398070 |
| 491 | **BGS Boreholes**<br>BGS Reference: Sj89ne644<br>Drilled Length (m): 15.2<br>Borehole Name: Lower Medlock Ucso 531d/Dd<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937061/ | A14SE (E) | 852 | 2 | 385850 398040 |
| 492 | **BGS Boreholes**<br>BGS Reference: Sj89ne106<br>Drilled Length (m): 56.24<br>Borehole Name: Ancoats Vale Print Works Palmerstone Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936508/ | A14SE (E) | 854 | 2 | 385845 397963 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 493 | **BGS Boreholes**<br>BGS Reference: Sj89nw1553<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thomas Street High Street 3<br>Link to Borehole Scan: Not Available | A17SE (NW) | 854 | 2 | 384350 398670 |
| 493 | **BGS Boreholes**<br>BGS Reference: Sj89nw1555<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thomas Street High Street 5<br>Link to Borehole Scan: Not Available | A17SE (NW) | 854 | 2 | 384370 398690 |
| 493 | **BGS Boreholes**<br>BGS Reference: Sj89nw1551<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thomas Street High Street 1<br>Link to Borehole Scan: Not Available | A17SE (NW) | 896 | 2 | 384330 398710 |
| 493 | **BGS Boreholes**<br>BGS Reference: Sj89nw1552<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thomas Street High Street 2<br>Link to Borehole Scan: Not Available | A17SW (NW) | 925 | 2 | 384290 398710 |
| 493 | **BGS Boreholes**<br>BGS Reference: Sj89nw2006<br>Drilled Length (m): Not Supplied<br>Borehole Name: Shude Hill Withy Grove Sewer Replacement 6<br>Link to Borehole Scan: Not Available | A17SE (NW) | 939 | 2 | 384310 398750 |
| 494 | **BGS Boreholes**<br>BGS Reference: Sj89nw248<br>Drilled Length (m): 76.5<br>Borehole Name: Dunlop Rubber Co, Brook Street 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042402/ | A7SE (SW) | 857 | 2 | 384446 397390 |
| 495 | **BGS Boreholes**<br>BGS Reference: Sj89ne652<br>Drilled Length (m): 12<br>Borehole Name: Cluster 12 Oldham Road Manchester 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937069/ | A18NE (N) | 858 | 2 | 385060 398950 |
| 496 | **BGS Boreholes**<br>BGS Reference: Sj89nw3484<br>Drilled Length (m): 4.5<br>Borehole Name: India House Whitworth Street 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045678/ | A7NW (SW) | 858 | 2 | 384240 397630 |
| 496 | **BGS Boreholes**<br>BGS Reference: Sj89nw3485<br>Drilled Length (m): 4.3<br>Borehole Name: India House Whitworth Street 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045679/ | A7NW (SW) | 862 | 2 | 384230 397640 |
| 496 | **BGS Boreholes**<br>BGS Reference: Sj89nw3481<br>Drilled Length (m): 5.5<br>Borehole Name: India House Whitworth Street 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045675/ | A7NW (SW) | 872 | 2 | 384230 397620 |
| 496 | **BGS Boreholes**<br>BGS Reference: Sj89nw663<br>Drilled Length (m): 7.1<br>Borehole Name: Whitworth St Manchester 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042857/ | A7NW (SW) | 874 | 2 | 384210 397650 |
| 496 | **BGS Boreholes**<br>BGS Reference: Sj89nw3486<br>Drilled Length (m): 4.6<br>Borehole Name: India House Whitworth Street 6<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045680/ | A7NW (SW) | 875 | 2 | 384220 397630 |

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|---|---|---|---|---|---|
| 496 | **BGS Boreholes**<br>BGS Reference: Sj89nw3487<br>Drilled Length (m): 6.5<br>Borehole Name: India House Whitworth Street 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045681/ | A7NW (SW) | 889 | 2 | 384210 397620 |
| 496 | **BGS Boreholes**<br>BGS Reference: Sj89nw3482<br>Drilled Length (m): 6.5<br>Borehole Name: India House Whitworth Street 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045676/ | A7NW (SW) | 894 | 2 | 384210 397610 |
| 496 | **BGS Boreholes**<br>BGS Reference: Sj89nw3488<br>Drilled Length (m): 7.5<br>Borehole Name: India House Whitworth Street 8<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045682/ | A7NW (SW) | 911 | 2 | 384190 397610 |
| 497 | **BGS Boreholes**<br>BGS Reference: Sj89nw16<br>Drilled Length (m): 12.19<br>Borehole Name: Manchester Corp. Corner Of Greek Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042158/ | A7SE (SW) | 859 | 2 | 384560 397310 |
| 498 | **BGS Boreholes**<br>BGS Reference: Sj89nw3281<br>Drilled Length (m): 196.6<br>Borehole Name: Post Office George St. Manchester<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045475/ | A12SW (W) | 864 | 2 | 384110 398000 |
| 499 | **BGS Boreholes**<br>BGS Reference: Sj89ne1033<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thj<br>Link to Borehole Scan: Not Available | A14NE (E) | 866 | 2 | 385850 398240 |
| 499 | **BGS Boreholes**<br>BGS Reference: Sj89ne1034<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thk<br>Link to Borehole Scan: Not Available | A14NE (E) | 872 | 2 | 385860 398220 |
| 499 | **BGS Boreholes**<br>BGS Reference: Sj89ne1036<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thm<br>Link to Borehole Scan: Not Available | A14NE (E) | 886 | 2 | 385870 398240 |
| 499 | **BGS Boreholes**<br>BGS Reference: Sj89ne1035<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thl<br>Link to Borehole Scan: Not Available | A14NE (E) | 889 | 2 | 385880 398200 |
| 499 | **BGS Boreholes**<br>BGS Reference: Sj89ne1037<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thn<br>Link to Borehole Scan: Not Available | A14NE (E) | 889 | 2 | 385870 398260 |
| 499 | **BGS Boreholes**<br>BGS Reference: Sj89ne1025<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 4<br>Link to Borehole Scan: Not Available | A14NE (E) | 904 | 2 | 385890 398230 |
| 500 | **BGS Boreholes**<br>BGS Reference: Sj89nw3555<br>Drilled Length (m): Not Supplied<br>Borehole Name: Church Street / High Street 3<br>Link to Borehole Scan: Not Available | A17SW (NW) | 867 | 2 | 384260 398580 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 501 | **BGS Boreholes**<br>BGS Reference: Sj89nw661<br>Drilled Length (m): 7.3<br>Borehole Name: Whitworth St Manchester 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042855/ | A7NW (SW) | 868 | 2 | 384200 397680 |
| 501 | **BGS Boreholes**<br>BGS Reference: Sj89nw662<br>Drilled Length (m): 7.5<br>Borehole Name: Whitworth St Manchester 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042856/ | A7NW (SW) | 910 | 2 | 384180 397630 |
| 501 | **BGS Boreholes**<br>BGS Reference: Sj89nw660<br>Drilled Length (m): 7.3<br>Borehole Name: Whitworth St Manchester 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042854/ | A7NW (SW) | 913 | 2 | 384160 397660 |
| 502 | **BGS Boreholes**<br>BGS Reference: Sj89ne108<br>Drilled Length (m): 78.64<br>Borehole Name: Crabstree & Dye Works, Limekiln Lane 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936510/ | A14SE (E) | 869 | 2 | 385819 397787 |
| 503 | **BGS Boreholes**<br>BGS Reference: Sj89ne717<br>Drilled Length (m): 2.3<br>Borehole Name: Ardwick Green Tp8a<br>Link to Borehole Scan: Not Available | A8SE (S) | 873 | 2 | 385100 397190 |
| 503 | **BGS Boreholes**<br>BGS Reference: Sj89ne712<br>Drilled Length (m): 4.4<br>Borehole Name: Ardwick Green Manchester 12<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937129/ | A8SE (S) | 885 | 2 | 385110 397180 |
| 503 | **BGS Boreholes**<br>BGS Reference: Sj89ne716<br>Drilled Length (m): 1.2<br>Borehole Name: Ardwick Green Tp8<br>Link to Borehole Scan: Not Available | A8SE (S) | 885 | 2 | 385110 397180 |
| 504 | **BGS Boreholes**<br>BGS Reference: Sj89nw343<br>Drilled Length (m): 15<br>Borehole Name: High Street Manchester 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042521/ | A17SW (NW) | 875 | 2 | 384180 398460 |
| 505 | **BGS Boreholes**<br>BGS Reference: Sj89ne2479<br>Drilled Length (m): 17.01<br>Borehole Name: Manchester 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425186/ | A9NE (SE) | 878 | 2 | 385770 397650 |
| 505 | **BGS Boreholes**<br>BGS Reference: Sj89ne2481<br>Drilled Length (m): 23.77<br>Borehole Name: Manchester 8a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425189/ | A9NE (SE) | 902 | 2 | 385770 397600 |
| 506 | **BGS Boreholes**<br>BGS Reference: Sj89ne714<br>Drilled Length (m): 3.1<br>Borehole Name: Ardwick Green Tp6<br>Link to Borehole Scan: Not Available | A8SE (S) | 881 | 2 | 385080 397180 |
| 506 | **BGS Boreholes**<br>BGS Reference: Sj89ne718<br>Drilled Length (m): 3<br>Borehole Name: Ardwick Green Tp9<br>Link to Borehole Scan: Not Available | A8SE (S) | 892 | 2 | 385090 397170 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 506 | **BGS Boreholes**<br>BGS Reference: Sj89ne713<br>Drilled Length (m): 3.5<br>Borehole Name: Ardwick Green Manchester Tp 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937130/ | A8SE (S) | 899 | 2 | 385060 397160 |
| 506 | **BGS Boreholes**<br>BGS Reference: Sj89ne711<br>Drilled Length (m): 3.6<br>Borehole Name: Ardwick Green Manchester 11<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937128/ | A8SE (S) | 901 | 2 | 385080 397160 |
| 506 | **BGS Boreholes**<br>BGS Reference: Sj89ne715<br>Drilled Length (m): 1.8<br>Borehole Name: Ardwick Green Tp7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937132/ | A8SE (S) | 901 | 2 | 385080 397160 |
| 506 | **BGS Boreholes**<br>BGS Reference: Sj89ne710<br>Drilled Length (m): 4.2<br>Borehole Name: Ardwick Green Manchester 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937127/ | A8SE (S) | 909 | 2 | 385060 397150 |
| 506 | **BGS Boreholes**<br>BGS Reference: Sj89ne719<br>Drilled Length (m): 3.3<br>Borehole Name: Ardwick Green Tp10<br>Link to Borehole Scan: Not Available | A8SE (S) | 910 | 2 | 385070 397150 |
| 507 | **BGS Boreholes**<br>BGS Reference: Sj89nw1554<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thomas Street High Street 4<br>Link to Borehole Scan: Not Available | A17SW (NW) | 881 | 2 | 384280 398630 |
| 508 | **BGS Boreholes**<br>BGS Reference: Sj89nw3625<br>Drilled Length (m): Not Supplied<br>Borehole Name: Fountain Street Main Drainage 3<br>Link to Borehole Scan: Not Available | A12NW (W) | 884 | 2 | 384100 398240 |
| 509 | **BGS Boreholes**<br>BGS Reference: Sj89ne107<br>Drilled Length (m): 57.91<br>Borehole Name: Crabstree & Dye Works, Limekiln Lane 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936509/ | A14SE (E) | 887 | 2 | 385862 397876 |
| 510 | **BGS Boreholes**<br>BGS Reference: Sj89nw1319<br>Drilled Length (m): Not Supplied<br>Borehole Name: Portland Street 3<br>Link to Borehole Scan: Not Available | A12SW (W) | 888 | 2 | 384110 397860 |
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3656<br>Drilled Length (m): 11<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045850/ | A12SW (W) | 888 | 2 | 384100 397900 |
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3657<br>Drilled Length (m): 10.5<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045851/ | A12SW (W) | 888 | 2 | 384100 397900 |
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3658<br>Drilled Length (m): 11.5<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045852/ | A12SW (W) | 888 | 2 | 384100 397900 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3659<br>Drilled Length (m): 10.2<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045853/ | A12SW (W) | 888 | 2 | 384100 397900 |
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3660<br>Drilled Length (m): 11.5<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045854/ | A12SW (W) | 888 | 2 | 384100 397900 |
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3662<br>Drilled Length (m): 10.3<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 7<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045856/ | A12SW (W) | 888 | 2 | 384100 397900 |
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3663<br>Drilled Length (m): 10.5<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 8<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045857/ | A12SW (W) | 888 | 2 | 384100 397900 |
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3665<br>Drilled Length (m): 11<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 10<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045859/ | A12SW (W) | 888 | 2 | 384100 397900 |
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3666<br>Drilled Length (m): 11<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 11<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045860/ | A12SW (W) | 888 | 2 | 384100 397900 |
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3661<br>Drilled Length (m): 10.2<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 6<br>Link to Borehole Scan: Not Available | A12SW (W) | 888 | 2 | 384100 397900 |
| 511 | **BGS Boreholes**<br>BGS Reference: Sj89nw3667<br>Drilled Length (m): 10.8<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 12<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045861/ | A12SW (W) | 888 | 2 | 384100 397900 |
| 512 | **BGS Boreholes**<br>BGS Reference: Sj89nw3664<br>Drilled Length (m): 9.8<br>Borehole Name: Portlands Street Nw Telecoms Board Hq 9<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045858/ | A12SW (W) | 888 | 2 | 384100 397900 |
| 513 | **BGS Boreholes**<br>BGS Reference: Sj89nw3573<br>Drilled Length (m): Not Supplied<br>Borehole Name: Mosley Street Sewer Reconstruction 2<br>Link to Borehole Scan: Not Available | A12NW (W) | 890 | 2 | 384080 398110 |
| 514 | **BGS Boreholes**<br>BGS Reference: Sj89ne32<br>Drilled Length (m): 7.32<br>Borehole Name: Manchester Corp. Corner Of Kirk St & Junction St<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936433/ | A14NE (E) | 895 | 2 | 385877 398253 |
| 514 | **BGS Boreholes**<br>BGS Reference: Sj89ne2390<br>Drilled Length (m): 6.5<br>Borehole Name: Every Street, Ancoats 2.<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18018791/ | A14NE (E) | 906 | 2 | 385891 398241 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 515 | **BGS Boreholes**<br>BGS Reference: Sj89nw1353<br>Drilled Length (m): 11.12<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 19<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043547/ | A17NE (NW) | 904 | 2 | 384600 398910 |
| 516 | **BGS Boreholes**<br>BGS Reference: Sj89nw3604<br>Drilled Length (m): Not Supplied<br>Borehole Name: Addington Street Improvement 3<br>Link to Borehole Scan: Not Available | A17NE (NW) | 904 | 2 | 384560 398890 |
| 517 | **BGS Boreholes**<br>BGS Reference: Sj89nw3483<br>Drilled Length (m): 6.7<br>Borehole Name: India House Whitworth Street 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045677/ | A7NW (SW) | 908 | 2 | 384200 397600 |
| 518 | **BGS Boreholes**<br>BGS Reference: Sj89nw3599<br>Drilled Length (m): Not Supplied<br>Borehole Name: George Street Sewer Replacement Scheme 4<br>Link to Borehole Scan: Not Available | A12SW (W) | 908 | 2 | 384070 397960 |
| 519 | **BGS Boreholes**<br>BGS Reference: Sj89ne992<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Sewer Replacement 6a<br>Link to Borehole Scan: Not Available | A14NE (E) | 909 | 2 | 385870 398340 |
| 519 | **BGS Boreholes**<br>BGS Reference: Sj89ne1044<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thv<br>Link to Borehole Scan: Not Available | A14NE (E) | 916 | 2 | 385880 398330 |
| 519 | **BGS Boreholes**<br>BGS Reference: Sj89ne991<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Sewer Replacement Tp6<br>Link to Borehole Scan: Not Available | A14NE (E) | 921 | 2 | 385880 398350 |
| 519 | **BGS Boreholes**<br>BGS Reference: Sj89ne1298<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 6<br>Link to Borehole Scan: Not Available | A14NE (E) | 924 | 2 | 385880 398360 |
| 519 | **BGS Boreholes**<br>BGS Reference: Sj89ne1024<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 3<br>Link to Borehole Scan: Not Available | A14NE (E) | 941 | 2 | 385900 398350 |
| 520 | **BGS Boreholes**<br>BGS Reference: Sj89nw7<br>Drilled Length (m): 12.19<br>Borehole Name: Manchester Corp. South Of London Road Station<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042149/ | A7SE (SW) | 910 | 2 | 384593 397235 |
| 520 | **BGS Boreholes**<br>BGS Reference: Sj89nw6<br>Drilled Length (m): 17.98<br>Borehole Name: Manchester Corp. Corner Of Greek Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042148/ | A7SE (SW) | 924 | 2 | 384605 397214 |
| 521 | **BGS Boreholes**<br>BGS Reference: Sj89ne1038<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thp<br>Link to Borehole Scan: Not Available | A14NE (E) | 911 | 2 | 385890 398270 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 521 | **BGS Boreholes**<br>BGS Reference: Sj89ne1039<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thq<br>Link to Borehole Scan: Not Available | A14NE (E) | 919 | 2 | 385900 398260 |
| 521 | **BGS Boreholes**<br>BGS Reference: Sj89ne1026<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 5<br>Link to Borehole Scan: Not Available | A14NE (E) | 927 | 2 | 385900 398300 |
| 521 | **BGS Boreholes**<br>BGS Reference: Sj89ne1040<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thr<br>Link to Borehole Scan: Not Available | A14NE (E) | 942 | 2 | 385920 398280 |
| 521 | **BGS Boreholes**<br>BGS Reference: Sj89ne990<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Sewer Replacement 5<br>Link to Borehole Scan: Not Available | A14NE (E) | 945 | 2 | 385920 398290 |
| 521 | **BGS Boreholes**<br>BGS Reference: Sj89ne1043<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Thu<br>Link to Borehole Scan: Not Available | A14NE (E) | 957 | 2 | 385920 398340 |
| 521 | **BGS Boreholes**<br>BGS Reference: Sj89ne1042<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street Tht<br>Link to Borehole Scan: Not Available | A14NE (E) | 961 | 2 | 385930 398320 |
| 521 | **BGS Boreholes**<br>BGS Reference: Sj89ne1027<br>Drilled Length (m): Not Supplied<br>Borehole Name: Every Street 6<br>Link to Borehole Scan: Not Available | A14NE (E) | 988 | 2 | 385960 398310 |
| 522 | **BGS Boreholes**<br>BGS Reference: Sj89ne2480<br>Drilled Length (m): 10.66<br>Borehole Name: Manchester 8<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425187/ | A9NE (SE) | 911 | 2 | 385780 397600 |
| 523 | **BGS Boreholes**<br>BGS Reference: Sj89ne2482<br>Drilled Length (m): 4.11<br>Borehole Name: Manchester 9<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425190/ | A9NE (SE) | 912 | 2 | 385750 397550 |
| 524 | **BGS Boreholes**<br>BGS Reference: Sj89ne25<br>Drilled Length (m): 6.4<br>Borehole Name: Manchester Corp. Palmerstone Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936426/ | A14NE (E) | 915 | 2 | 385914 398104 |
| 524 | **BGS Boreholes**<br>BGS Reference: Sj89ne2389<br>Drilled Length (m): 5<br>Borehole Name: Every Street, Ancoats 1.<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18018790/ | A14NE (E) | 920 | 2 | 385916 398158 |
| 524 | **BGS Boreholes**<br>BGS Reference: Sj89ne642<br>Drilled Length (m): 5<br>Borehole Name: Lower Medlock Ucso 531b<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937059/ | A14NE (E) | 932 | 2 | 385930 398130 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 525 | **BGS Boreholes**<br>BGS Reference: Sj89ne1975<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp D2<br>Link to Borehole Scan: Not Available | A19SE (NE) | 915 | 2 | 385840 398440 |
| 526 | **BGS Boreholes**<br>BGS Reference: Sj89nw3624<br>Drilled Length (m): Not Supplied<br>Borehole Name: Fountain Street Main Drainage 2<br>Link to Borehole Scan: Not Available | A12NW (W) | 916 | 2 | 384060 398190 |
| 527 | **BGS Boreholes**<br>BGS Reference: Sj89ne651<br>Drilled Length (m): 12<br>Borehole Name: Cluster 12 Oldham Road Manchester 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937068/ | A18NE (N) | 919 | 2 | 385150 399000 |
| 528 | **BGS Boreholes**<br>BGS Reference: Sj89ne62<br>Drilled Length (m): 13.41<br>Borehole Name: Manchester Corp. Beswick Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936463/ | A19SE (NE) | 920 | 2 | 385737 398632 |
| 529 | **BGS Boreholes**<br>BGS Reference: Sj89nw296<br>Drilled Length (m): Not Supplied<br>Borehole Name: No Details<br>Link to Borehole Scan: Not Available | A12SW (W) | 922 | 2 | 384080 397840 |
| 530 | **BGS Boreholes**<br>BGS Reference: Sj89ne68<br>Drilled Length (m): 9.45<br>Borehole Name: Manchester Corp. Russel Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936469/ | A14NE (E) | 929 | 2 | 385881 398373 |
| 531 | **BGS Boreholes**<br>BGS Reference: Sj89ne2483<br>Drilled Length (m): 4.11<br>Borehole Name: Manchester 10<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425191/ | A9NE (SE) | 932 | 2 | 385730 397490 |
| 532 | **BGS Boreholes**<br>BGS Reference: Sj89ne2486<br>Drilled Length (m): 6.09<br>Borehole Name: Manchester 14a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425194/ | A9SW (SE) | 933 | 2 | 385620 397370 |
| 533 | **BGS Boreholes**<br>BGS Reference: Sj89nw3970<br>Drilled Length (m): 21.33<br>Borehole Name: Spring Gardens, Manchester 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15634879/ | A12NW (W) | 935 | 2 | 384069 398334 |
| 533 | **BGS Boreholes**<br>BGS Reference: Sj89nw3972<br>Drilled Length (m): 19.2<br>Borehole Name: Spring Gardens, Manchester 4<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15634881/ | A12NW (W) | 943 | 2 | 384051 398295 |
| 533 | **BGS Boreholes**<br>BGS Reference: Sj89nw3971<br>Drilled Length (m): 13.1<br>Borehole Name: Spring Gardens, Manchester 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15634880/ | A12NW (W) | 949 | 2 | 384052 398323 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 533 | **BGS Boreholes**<br>BGS Reference: Sj89nw3969<br>Drilled Length (m): 17.98<br>Borehole Name: Spring Gardens, Manchester 1<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15634876/ | A12NW (W) | 967 | 2 | 384038 398343 |
| 533 | **BGS Boreholes**<br>BGS Reference: Sj89nw3973<br>Drilled Length (m): 15.24<br>Borehole Name: Spring Gardens, Manchester 5<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15634883/ | A12NW (W) | 974 | 2 | 384023 398310 |
| 534 | **BGS Boreholes**<br>BGS Reference: Sj89ne69<br>Drilled Length (m): 7.16<br>Borehole Name: Manchester Corp. Russel Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936470/ | A14NE (E) | 939 | 2 | 385913 398297 |
| 534 | **BGS Boreholes**<br>BGS Reference: Sj89ne2391<br>Drilled Length (m): 8.5<br>Borehole Name: Every Street, Ancoats 3.<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18018792/ | A14NE (E) | 956 | 2 | 385927 398308 |
| 535 | **BGS Boreholes**<br>BGS Reference: Sj89ne177<br>Drilled Length (m): 12.19<br>Borehole Name: Rodney Street Development 2<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936582/ | A18NE (N) | 939 | 2 | 385240 399000 |
| 536 | **BGS Boreholes**<br>BGS Reference: Sj89ne2485<br>Drilled Length (m): 6.09<br>Borehole Name: Manchester 12a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425193/ | A9SE (SE) | 939 | 2 | 385660 397400 |
| 536 | **BGS Boreholes**<br>BGS Reference: Sj89ne2484<br>Drilled Length (m): 6.09<br>Borehole Name: Manchester 11<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425192/ | A9NE (SE) | 940 | 2 | 385690 397430 |
| 537 | **BGS Boreholes**<br>BGS Reference: Sj89ne641<br>Drilled Length (m): 15.03<br>Borehole Name: Lower Medlock Ucso 531a<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937058/ | A14NE (E) | 941 | 2 | 385940 398110 |
| 538 | **BGS Boreholes**<br>BGS Reference: Sj89nw3623<br>Drilled Length (m): Not Supplied<br>Borehole Name: Fountain Street Main Drainage 1<br>Link to Borehole Scan: Not Available | A12NW (W) | 943 | 2 | 384030 398160 |
| 538 | **BGS Boreholes**<br>BGS Reference: Sj89nw3547<br>Drilled Length (m): Not Supplied<br>Borehole Name: Clarence Street / Booth Street / Bow Lane 4<br>Link to Borehole Scan: Not Available | A12NW (W) | 960 | 2 | 384010 398120 |
| 539 | **BGS Boreholes**<br>BGS Reference: Sj89nw374<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thompson St Manchester 3<br>Link to Borehole Scan: Not Available | A18NW (N) | 947 | 2 | 384722 399003 |
| 539 | **BGS Boreholes**<br>BGS Reference: Sj89nw375<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thompson St Manchester 4<br>Link to Borehole Scan: Not Available | A18NW (N) | 947 | 2 | 384757 399012 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 540 | **BGS Boreholes**<br>BGS Reference: Sj89nw3602<br>Drilled Length (m): Not Supplied<br>Borehole Name: Addington Street Improvement 1<br>Link to Borehole Scan: Not Available | A17NE (NW) | 947 | 2 | 384460 398880 |
| 540 | **BGS Boreholes**<br>BGS Reference: Sj89nw2007<br>Drilled Length (m): Not Supplied<br>Borehole Name: Shude Hill Withy Grove Sewer Replacement 7<br>Link to Borehole Scan: Not Available | A17NE (NW) | 948 | 2 | 384400 398840 |
| 540 | **BGS Boreholes**<br>BGS Reference: Sj89nw1344<br>Drilled Length (m): Not Supplied<br>Borehole Name: Miller Street 3<br>Link to Borehole Scan: Not Available | A17NE (NW) | 975 | 2 | 384410 398880 |
| 541 | **BGS Boreholes**<br>BGS Reference: Sj89ne114<br>Drilled Length (m): 78.64<br>Borehole Name: Brehams Chancery Road<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936519/ | A9NE (SE) | 950 | 2 | 385728 397458 |
| 542 | **BGS Boreholes**<br>BGS Reference: Sj89nw108<br>Drilled Length (m): 6.71<br>Borehole Name: Manchester Corp. K.Sewer<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042250/ | A7NW (SW) | 951 | 2 | 384241 397465 |
| 543 | **BGS Boreholes**<br>BGS Reference: Sj89nw3574<br>Drilled Length (m): Not Supplied<br>Borehole Name: Mosley Street Sewer Reconstruction 3<br>Link to Borehole Scan: Not Available | A12SW (W) | 951 | 2 | 384020 398030 |
| 544 | **BGS Boreholes**<br>BGS Reference: Sj89nw3606<br>Drilled Length (m): Not Supplied<br>Borehole Name: Grosvenor Street 1<br>Link to Borehole Scan: Not Available | A7SE (SW) | 952 | 2 | 384570 397200 |
| 544 | **BGS Boreholes**<br>BGS Reference: Sj89nw2012<br>Drilled Length (m): Not Supplied<br>Borehole Name: Lower Medlock Ucso'S 1<br>Link to Borehole Scan: Not Available | A7SE (SW) | 961 | 2 | 384570 397190 |
| 545 | **BGS Boreholes**<br>BGS Reference: Sj89nw28<br>Drilled Length (m): 25.91<br>Borehole Name: Manchester Corp. Rochdale Road Sewer<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042170/ | A17NE (NW) | 953 | 2 | 384457 398885 |
| 546 | **BGS Boreholes**<br>BGS Reference: Sj89ne178<br>Drilled Length (m): 30.48<br>Borehole Name: Rodney Street Development 3<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936583/ | A18NE (N) | 956 | 2 | 385230 399020 |
| 547 | **BGS Boreholes**<br>BGS Reference: Sj89nw2005<br>Drilled Length (m): Not Supplied<br>Borehole Name: Shude Hill Withy Grove Sewer Replacement 5<br>Link to Borehole Scan: Not Available | A17SW (NW) | 956 | 2 | 384240 398700 |
| 548 | **BGS Boreholes**<br>BGS Reference: Sj89nw244<br>Drilled Length (m): 30.78<br>Borehole Name: Refuge Assurance Co Ltd, Oxford Road<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042398/ | A7NW (SW) | 961 | 2 | 384165 397556 |

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 549 | **BGS Boreholes**<br>BGS Reference: Sj89nw1354<br>Drilled Length (m): 11.12<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 20<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043548/ | A17NE (NW) | 962 | 2 | 384570 398960 |
| 549 | **BGS Boreholes**<br>BGS Reference: Sj89nw27<br>Drilled Length (m): 23.16<br>Borehole Name: Manchester Corp. Newtown<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042169/ | A17NE (NW) | 977 | 2 | 384587 398984 |
| 550 | **BGS Boreholes**<br>BGS Reference: Sj89ne704<br>Drilled Length (m): 9.29<br>Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 23<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937121/ | A18NE (N) | 965 | 2 | 385000 399060 |
| 551 | **BGS Boreholes**<br>BGS Reference: Sj89nw1318<br>Drilled Length (m): Not Supplied<br>Borehole Name: Portland Street 2<br>Link to Borehole Scan: Not Available | A12SW (W) | 965 | 2 | 384050 397790 |
| 552 | **BGS Boreholes**<br>BGS Reference: Sj89ne2487<br>Drilled Length (m): 6.09<br>Borehole Name: Manchester 16<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425195/ | A9SW (SE) | 965 | 2 | 385600 397310 |
| 553 | **BGS Boreholes**<br>BGS Reference: Sj89ne117<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Dairy Co Park Place<br>Link to Borehole Scan: Not Available | A9SW (SE) | 968 | 2 | 385504 397238 |
| 554 | **BGS Boreholes**<br>BGS Reference: Sj89ne2488<br>Drilled Length (m): 4.11<br>Borehole Name: Manchester 17<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425196/ | A9SW (SE) | 973 | 2 | 385560 397270 |
| 555 | **BGS Boreholes**<br>BGS Reference: Sj89ne1976<br>Drilled Length (m): Not Supplied<br>Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp D3<br>Link to Borehole Scan: Not Available | A19SE (E) | 974 | 2 | 385900 398450 |
| 556 | **BGS Boreholes**<br>BGS Reference: Sj89ne2392<br>Drilled Length (m): 9<br>Borehole Name: Every Street, Ancoats 4.<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18018793/ | A14NE (E) | 978 | 2 | 385961 398257 |
| 557 | **BGS Boreholes**<br>BGS Reference: Sj89ne63<br>Drilled Length (m): 13.72<br>Borehole Name: Manchester Corp. Beswick Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936464/ | A19SE (NE) | 980 | 2 | 385848 398570 |
| 558 | **BGS Boreholes**<br>BGS Reference: Sj89ne110<br>Drilled Length (m): 91.44<br>Borehole Name: Richard Whittaker & Co Ltd, Midland Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936512/ | A9NE (SE) | 980 | 2 | 385865 397611 |

# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 559 | **BGS Boreholes**<br>BGS Reference: Sj89ne190<br>Drilled Length (m): 36.58<br>Borehole Name: Livesey Street 6 Rodney Street Site<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936595/ | A18NE (N) | 982 | 2 | 385287 399031 |
| 560 | **BGS Boreholes**<br>BGS Reference: Sj89nw3603<br>Drilled Length (m): Not Supplied<br>Borehole Name: Addington Street Improvement 2<br>Link to Borehole Scan: Not Available | A17NE (NW) | 982 | 2 | 384490 398940 |
| 561 | **BGS Boreholes**<br>BGS Reference: Sj89nw109<br>Drilled Length (m): 11.58<br>Borehole Name: Manchester Corp. D.Sewer<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042251/ | A7NW (SW) | 986 | 2 | 384118 397585 |
| 562 | **BGS Boreholes**<br>BGS Reference: Sj89nw1407<br>Drilled Length (m): Not Supplied<br>Borehole Name: Booth Street Manchester 1<br>Link to Borehole Scan: Not Available | A12NW (W) | 987 | 2 | 383990 398200 |
| 562 | **BGS Boreholes**<br>BGS Reference: Sj89nw1408<br>Drilled Length (m): Not Supplied<br>Borehole Name: Booth Street Manchester 2<br>Link to Borehole Scan: Not Available | A12NW (W) | 987 | 2 | 383990 398200 |
| 562 | **BGS Boreholes**<br>BGS Reference: Sj89nw1409<br>Drilled Length (m): Not Supplied<br>Borehole Name: Booth Street Manchester 3<br>Link to Borehole Scan: Not Available | A12NW (W) | 987 | 2 | 383990 398200 |
| 562 | **BGS Boreholes**<br>BGS Reference: Sj89nw1410<br>Drilled Length (m): Not Supplied<br>Borehole Name: Booth Street Manchester 4<br>Link to Borehole Scan: Not Available | A12NW (W) | 987 | 2 | 383990 398200 |
| 562 | **BGS Boreholes**<br>BGS Reference: Sj89nw3548<br>Drilled Length (m): Not Supplied<br>Borehole Name: Clarence Street / Booth Street / Bow Lane 5<br>Link to Borehole Scan: Not Available | A12NW (W) | 993 | 2 | 383980 398170 |
| 562 | **BGS Boreholes**<br>BGS Reference: Sj89nw954<br>Drilled Length (m): Not Supplied<br>Borehole Name: 52-58 Brown Street Manchester 1<br>Link to Borehole Scan: Not Available | A12NW (W) | 995 | 2 | 383980 398190 |
| 563 | **BGS Boreholes**<br>BGS Reference: Sj89ne2393<br>Drilled Length (m): 6.5<br>Borehole Name: Every Street, Ancoats 5.<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18018794/ | A14NE (E) | 987 | 2 | 385944 398364 |
| 564 | **BGS Boreholes**<br>BGS Reference: Sj89nw2017<br>Drilled Length (m): Not Supplied<br>Borehole Name: Umist/Mmu Joint Sports Facility 5<br>Link to Borehole Scan: Not Available | A7SE (SW) | 988 | 2 | 384460 397220 |
| 564 | **BGS Boreholes**<br>BGS Reference: Sj89nw3489<br>Drilled Length (m): Not Supplied<br>Borehole Name: York Street Latumist Centre 1<br>Link to Borehole Scan: Not Available | A7SE (SW) | 996 | 2 | 384430 397230 |

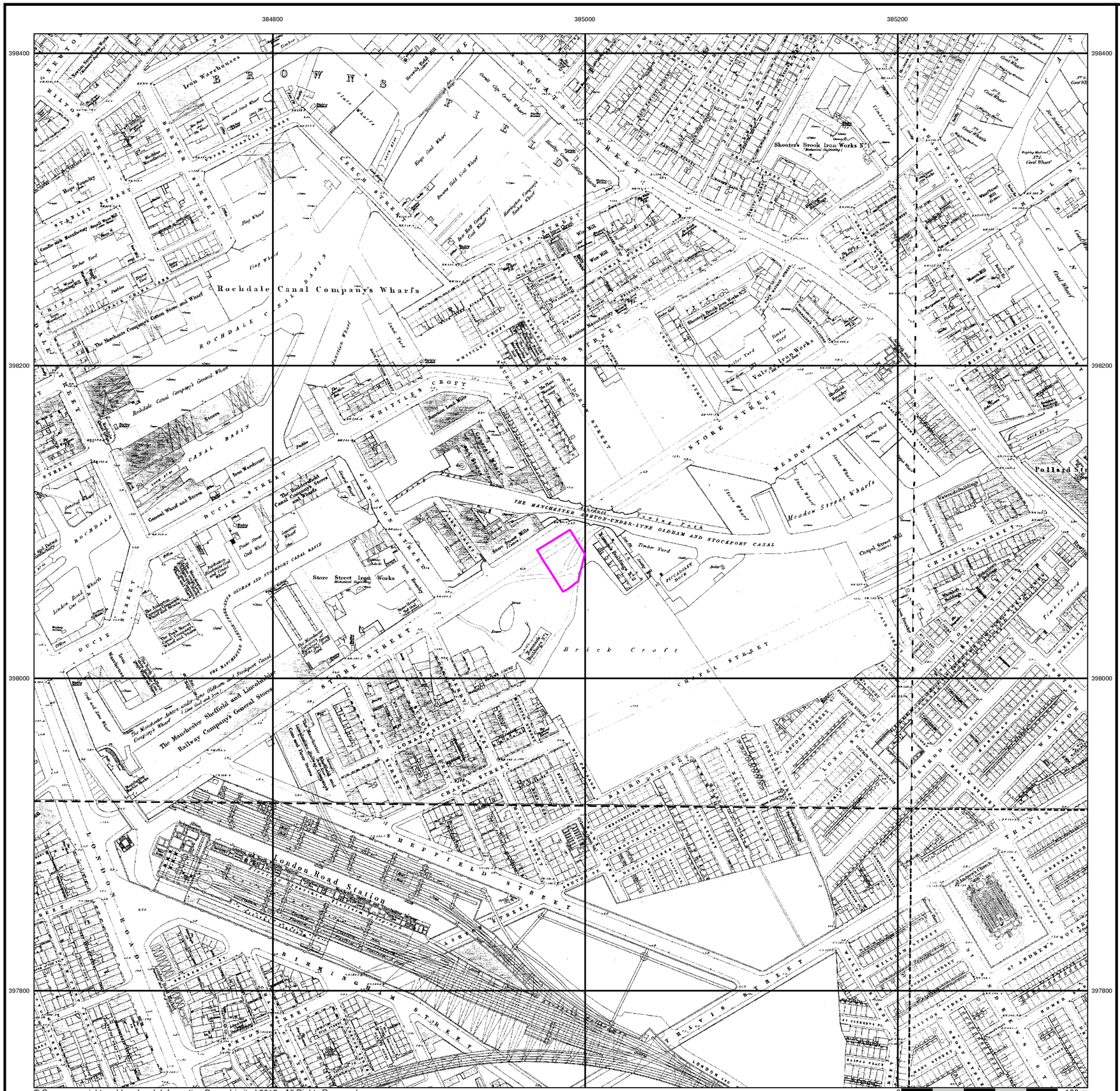
# BGS Boreholes Detail

| Map ID | Details | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR |
|---|---|---|---|---|---|
| 565 | **BGS Boreholes**<br>BGS Reference: Sj89nw3600<br>Drilled Length (m): Not Supplied<br>Borehole Name: George Street Sewer Replacement Scheme 5<br>Link to Borehole Scan: Not Available | A12SW (W) | 988 | 2 | 384000 397890 |
| 566 | **BGS Boreholes**<br>BGS Reference: Sj89ne1<br>Drilled Length (m): 7.32<br>Borehole Name: Manchester Corp. Woodward Street Ancoats<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936400/ | A19NW (NE) | 989 | 2 | 385577 398891 |
| 567 | **BGS Boreholes**<br>BGS Reference: Sj89ne67<br>Drilled Length (m): 8.53<br>Borehole Name: Manchester Corp. Mitchell Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936468/ | A19SE (E) | 990 | 2 | 385919 398446 |
| 567 | **BGS Boreholes**<br>BGS Reference: Sj89ne631<br>Drilled Length (m): 10<br>Borehole Name: Lower Medlock Ucso 513<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937048/ | A19SE (E) | 998 | 2 | 385930 398440 |
| 568 | **BGS Boreholes**<br>BGS Reference: Sj89nw372<br>Drilled Length (m): Not Supplied<br>Borehole Name: Thompson St Manchester 1<br>Link to Borehole Scan: Not Available | A18NW (N) | 992 | 2 | 384685 399038 |
| 569 | **BGS Boreholes**<br>BGS Reference: Sj89nw3575<br>Drilled Length (m): Not Supplied<br>Borehole Name: Mosley Street Sewer Reconstruction 4<br>Link to Borehole Scan: Not Available | A12SW (W) | 995 | 2 | 383980 397980 |
| 570 | **BGS Boreholes**<br>BGS Reference: Sj89nw3614<br>Drilled Length (m): Not Supplied<br>Borehole Name: Hanover Street / Miller Street 2<br>Link to Borehole Scan: Not Available | A17NE (NW) | 996 | 2 | 384360 398870 |
| 571 | **BGS Boreholes**<br>BGS Reference: Sj89nw3301<br>Drilled Length (m): 7.7<br>Borehole Name: Refuge Ass.Co.Oxford St.Manchester<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045495/ | A7NW (SW) | 997 | 2 | 384120 397560 |
| 572 | **BGS Boreholes**<br>BGS Reference: Sj89ne26<br>Drilled Length (m): 8.23<br>Borehole Name: Manchester Corp. Palmerstone Street<br>Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936427/ | A14NE (E) | 999 | 2 | 385995 398159 |
| 573 | **BGS Boreholes**<br>BGS Reference: Sj89nw2004<br>Drilled Length (m): Not Supplied<br>Borehole Name: Shude Hill Withy Grove Sewer Replacement 4<br>Link to Borehole Scan: Not Available | A17SW (NW) | 999 | 2 | 384170 398680 |

# Data Currency and Contact Details

| BGS Boreholes | Version | Update Cycle |
|---|---|---|
| **BGS Boreholes**<br>British Geological Survey - National Geoscience Information Service | August 2014 | Quarterly |

| Contact Details | Contact Logo |
|---|---|
| 2 **British Geological Survey - Enquiry Service**<br>British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG<br>Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk | British Geological Survey<br>NATURAL ENVIRONMENT RESEARCH COUNCIL |
| - **Landmark Information Group Limited**<br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD<br>Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk | LANDMARK® Information Group |




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## Lancashire And Furness

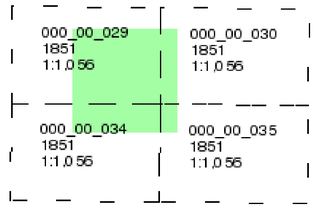
## Published 1851

## Source map scale - 1:1,056

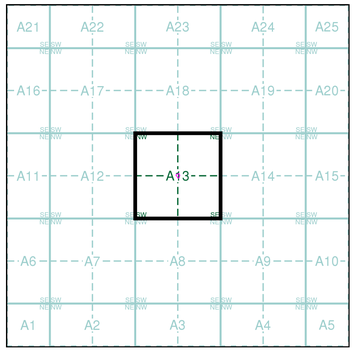
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the Ordnance Survey and a 'skeleton' survey of the capital, showing little more than streets, street names, frontages and altitudes, was undertaken between 1848 and 1850. The majority of the 1:1056 surveys were later replaced by 1:500 surveys; although almost all the remainder were revised at this scale, sometimes more than once before 1895. The type of detail shown on the 1:1056 scale is broadly similar to that on 1:500; the apparent omission of minor details such as sewer access points and street lights may be as much a reflection of the generally earlier date of these plans, as of the specification of the map.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

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




## Historical Town Plan - Segment A13




## Order Details

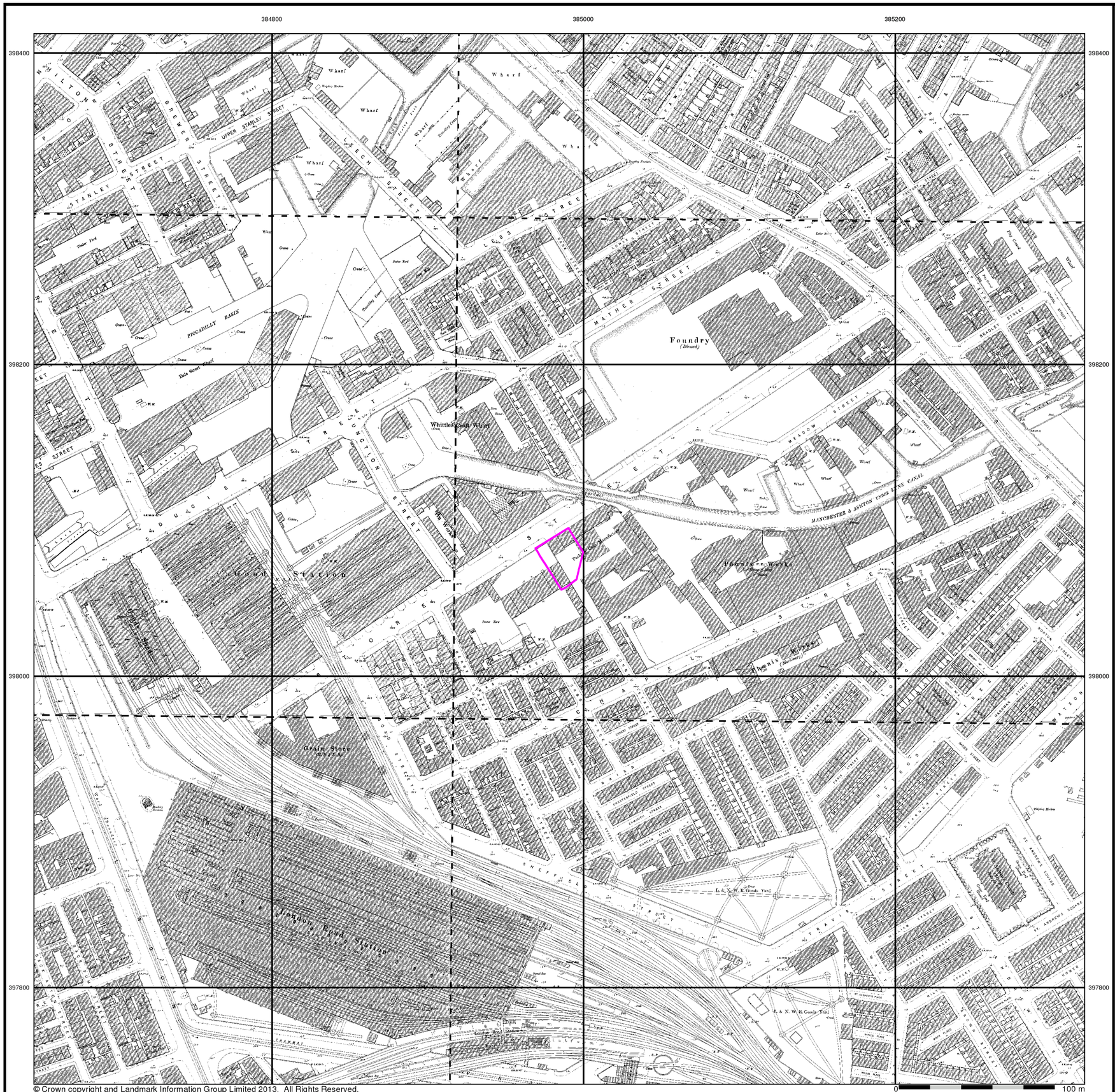
| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 0 |

## Site Details

Site at 384980, 398080

Landmark Information Group

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




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geotechnics

## Lancashire And Furness

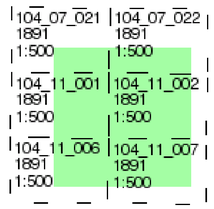
## Published 1891

## Source map scale - 1:500

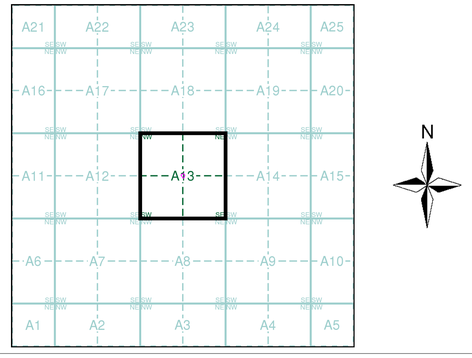
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also often featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

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




## Historical Town Plan - Segment A13




## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 0 |

## Site Details

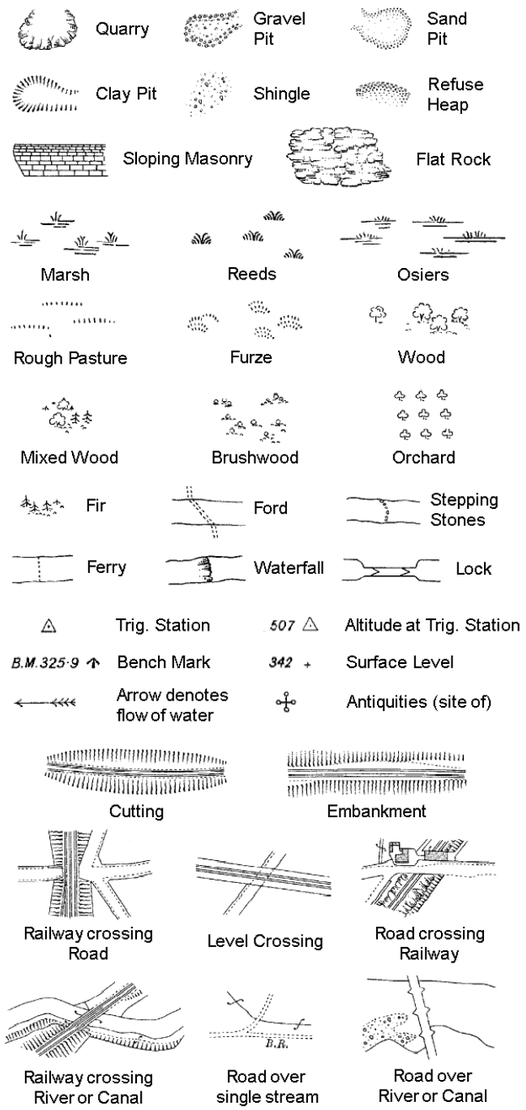
Site at 384980, 398080

Landmark Information Group

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

# Historical Mapping Legends

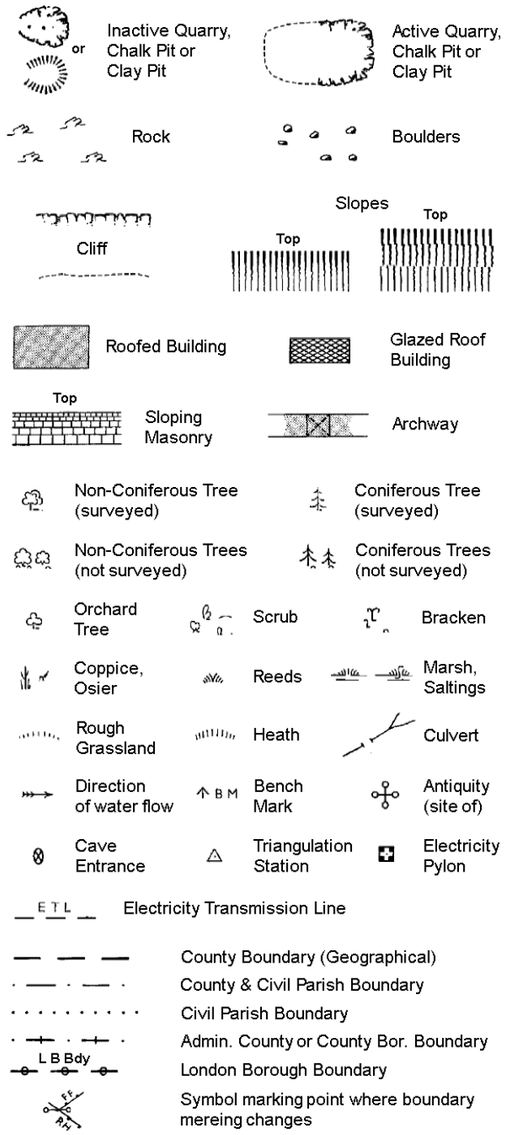
## Ordnance Survey County Series and Ordnance Survey Plan 1:2,500




County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy.
County Borough Boundary (England)
Co. Burgh Bdy.
County Burgh Boundary (Scotland)

| | | | |
|---|---|---|---|
| B P B S | Boundary Post or Stone | P.C.B | Police Call Box |
| B.R. | Bridle Road | P | Pump |
| E.P | Electricity Pylon | S.P | Signal Post |
| F.B. | Foot Bridge | St. | Sluice |
| F.P. | Foot Path | Sp. | Spring |
| G.P | Guide Post or Board | T.C.B | Telephone Call Box |
| M.S | Mile Stone | Tr. | Trough |
| M.P M.R | Mooring Post or Ring | W | Well |

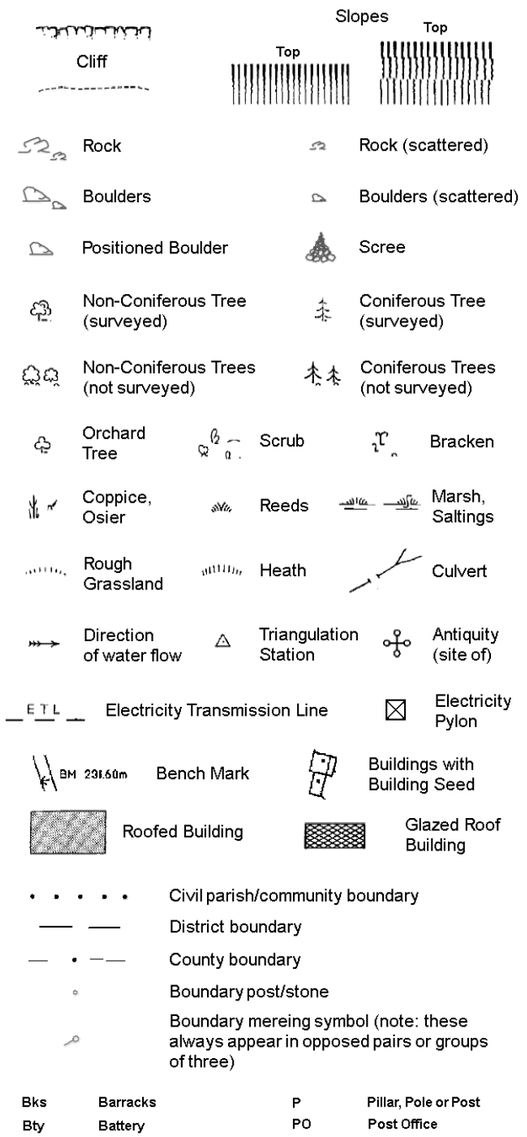
## Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250




County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy
London Borough Boundary
Symbol marking point where boundary mereing changes

| | | | |
|---|---|---|---|
| BH | Beer House | P | Pillar, Pole or Post |
| BP, BS | Boundary Post or Stone | PO | Post Office |
| Cn, C | Capstan, Crane | PC | Public Convenience |
| Chy | Chimney | PH | Public House |
| D Fn | Drinking Fountain | Pp | Pump |
| El P | Electricity Pillar or Post | SB, S Br | Signal Box or Bridge |
| FAP | Fire Alarm Pillar | SP, SL | Signal Post or Light |
| FB | Foot Bridge | Spr | Spring |
| GP | Guide Post | Tk | Tank or Track |
| H | Hydrant or Hydraulic | TCB | Telephone Call Box |
| LC | Level Crossing | TCP | Telephone Call Post |
| MH | Manhole | Tr | Trough |
| MP | Mile Post or Mooring Post | Wr Pt, Wr T | Water Point, Water Tap |
| MS | Mile Stone | W | Well |
| NTL | Normal Tidal Limit | Wd Pp | Wind Pump |

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




Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

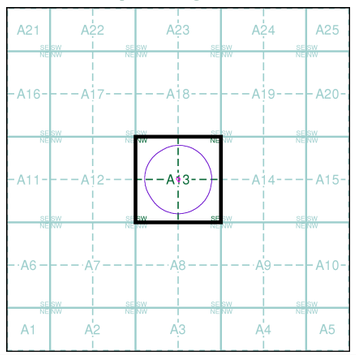
| | | | |
|---|---|---|---|
| Bks | Barracks | P | Pillar, Pole or Post |
| Bty | Battery | PO | Post Office |
| Cemy | Cemetery | PC | Public Convenience |
| Chy | Chimney | Pp | Pump |
| Cis | Cistern | Ppg Sta | Pumping Station |
| Dismtd Rly | Dismantled Railway | PW | Place of Worship |
| El Gen Sta | Electricity Generating Station | Sewage Ppg Sta | Sewage Pumping Station |
| El P | Electricity Pole, Pillar | SB, S Br | Signal Box or Bridge |
| El Sub Sta | Electricity Sub Station | SP, SL | Signal Post or Light |
| FB | Filter Bed | Spr | Spring |
| Fn / D Fn | Fountain / Drinking Ftn. | Tk | Tank or Track |
| Gas Gov | Gas Valve Compound | Tr | Trough |
| GVC | Gas Governer | Wd Pp | Wind Pump |
| GP | Guide Post | Wr Pt, Wr T | Water Point, Water Tap |
| MH | Manhole | Wks | Works (building or area) |
| MP, MS | Mile Post or Mile Stone | W | Well |

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## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Lancashire And Furness | 1:2,500 | 1893 | 2 |
| Lancashire And Furness | 1:2,500 | 1908 | 3 |
| Lancashire And Furness | 1:2,500 | 1922 | 4 |
| Ordnance Survey Plan | 1:1,250 | 1948 | 5 |
| Ordnance Survey Plan | 1:2,500 | 1950 - 1951 | 6 |
| Ordnance Survey Plan | 1:2,500 | 1953 - 1965 | 7 |
| Ordnance Survey Plan | 1:1,250 | 1954 - 1963 | 8 |
| Ordnance Survey Plan | 1:1,250 | 1964 - 1981 | 9 |
| Ordnance Survey Plan | 1:2,500 | 1965 | 10 |
| Ordnance Survey Plan | 1:2,500 | 1969 - 1970 | 11 |
| Ordnance Survey Plan | 1:1,250 | 1971 - 1989 | 12 |
| Supply of Unpublished Survey Information | 1:1,250 | 1974 - 1976 | 13 |
| Additional SIMs | 1:1,250 | 1978 - 1985 | 14 |
| Additional SIMs | 1:1,250 | 1988 - 1991 | 15 |
| Additional SIMs | 1:1,250 | 1991 | 16 |
| Large-Scale National Grid Data | 1:1,250 | 1992 | 17 |
| Additional SIMs | 1:1,250 | 1992 | 18 |
| Large-Scale National Grid Data | 1:1,250 | 1994 - 1995 | 19 |
| Large-Scale National Grid Data | 1:1,250 | 1996 | 20 |

## Historical Map - Segment A13



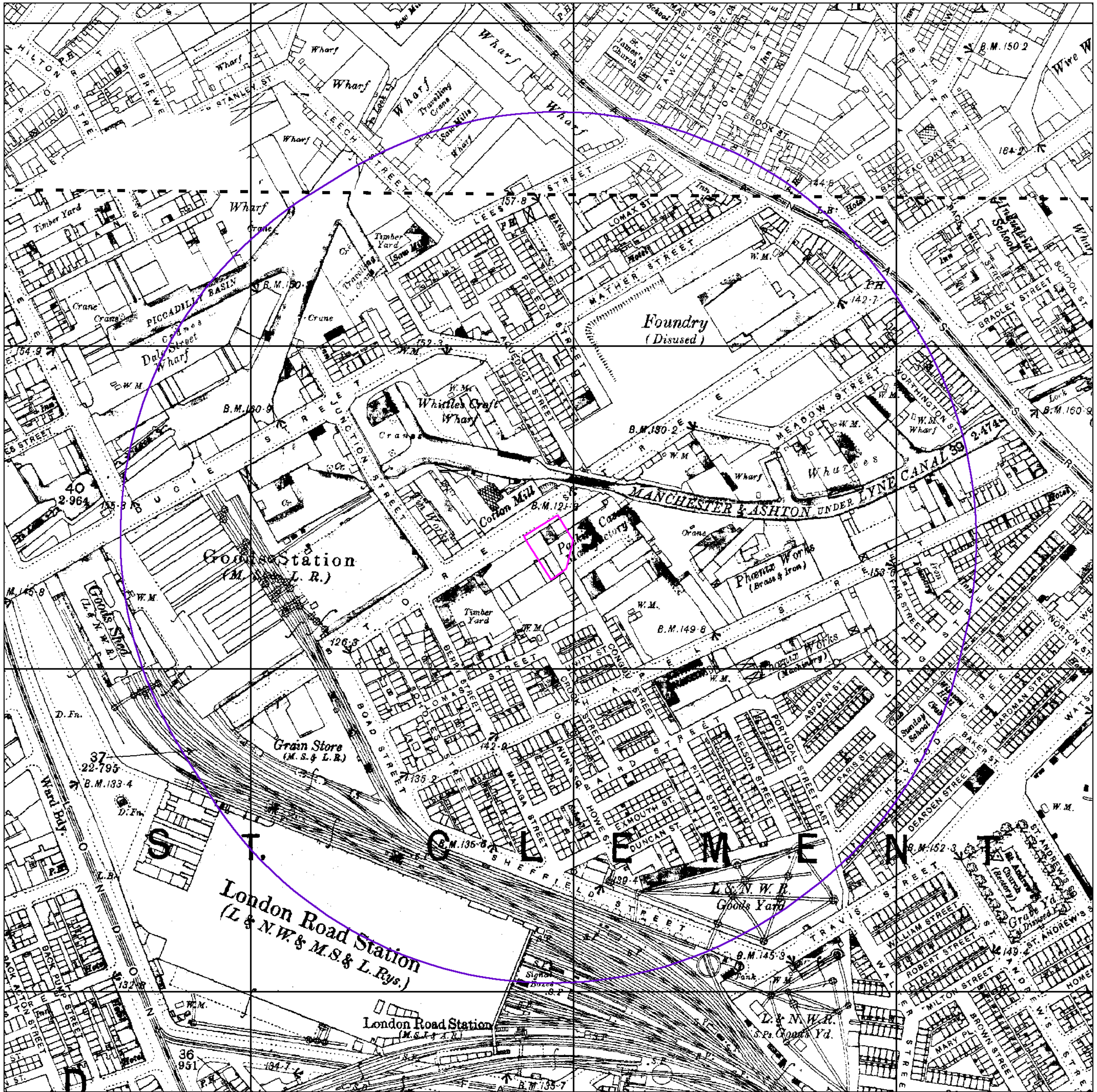

## Order Details

Order Number: 59513547_1_1
Customer Ref: PN143226
National Grid Reference: 384990, 398080
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 250

## Site Details

Site at 384980, 398080


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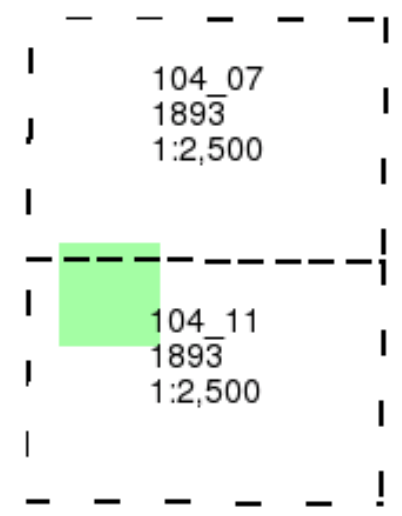
## Lancashire And Furness

### Published 1893

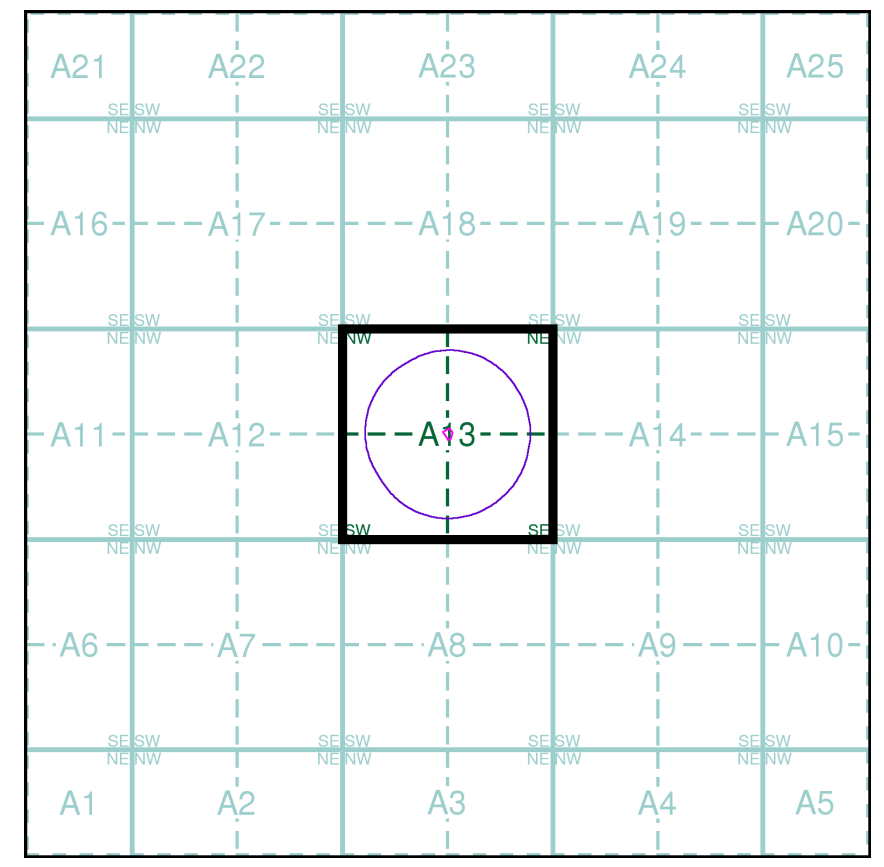
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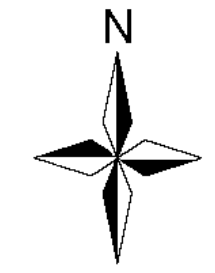
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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



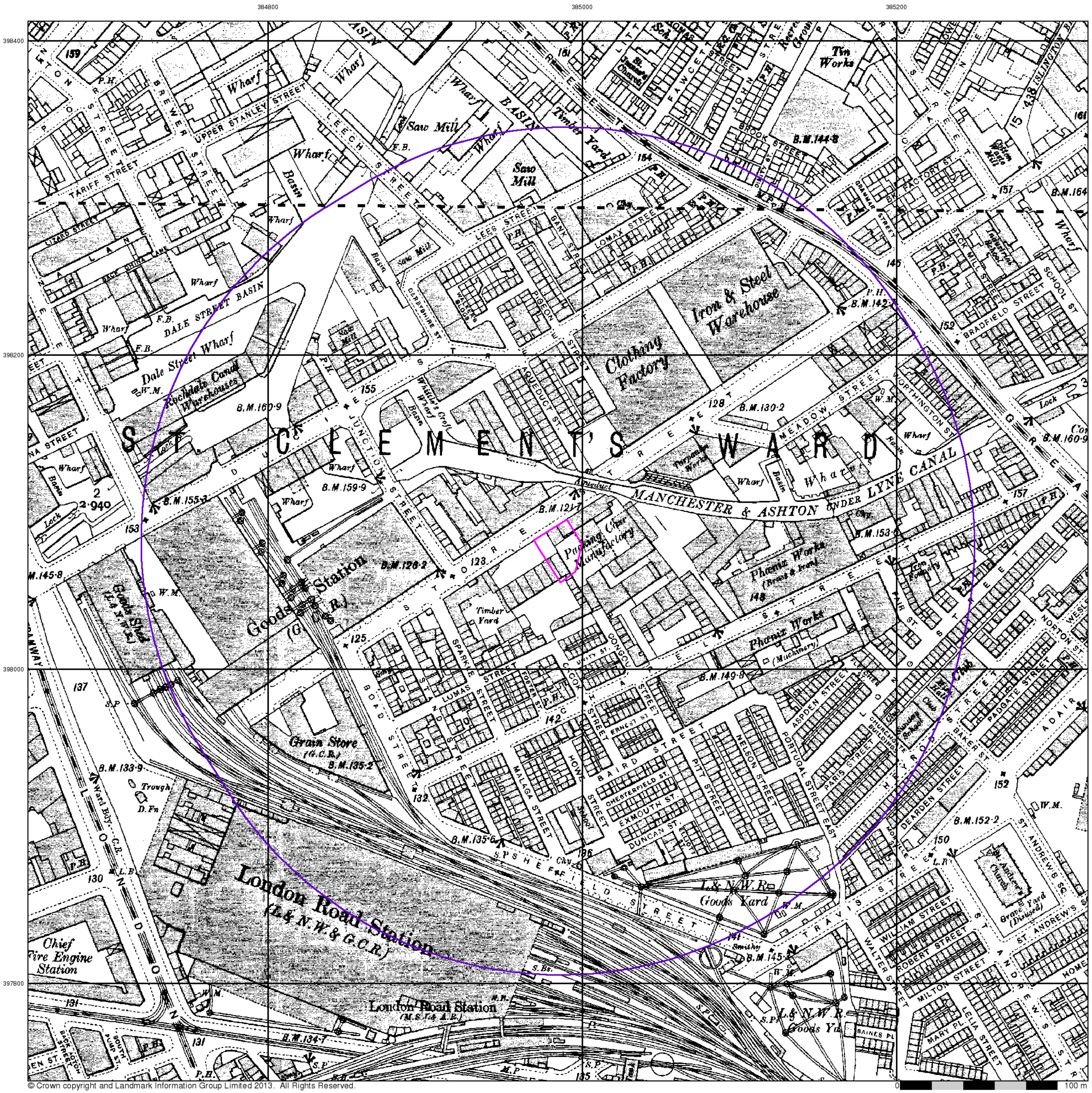




## Order Details

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| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
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| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

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Site at 384980, 398080




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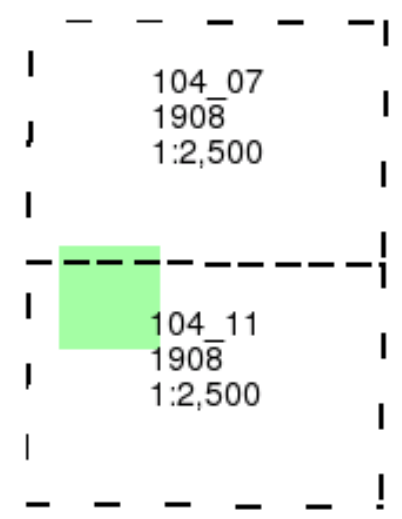
## Lancashire And Furness

## Published 1908

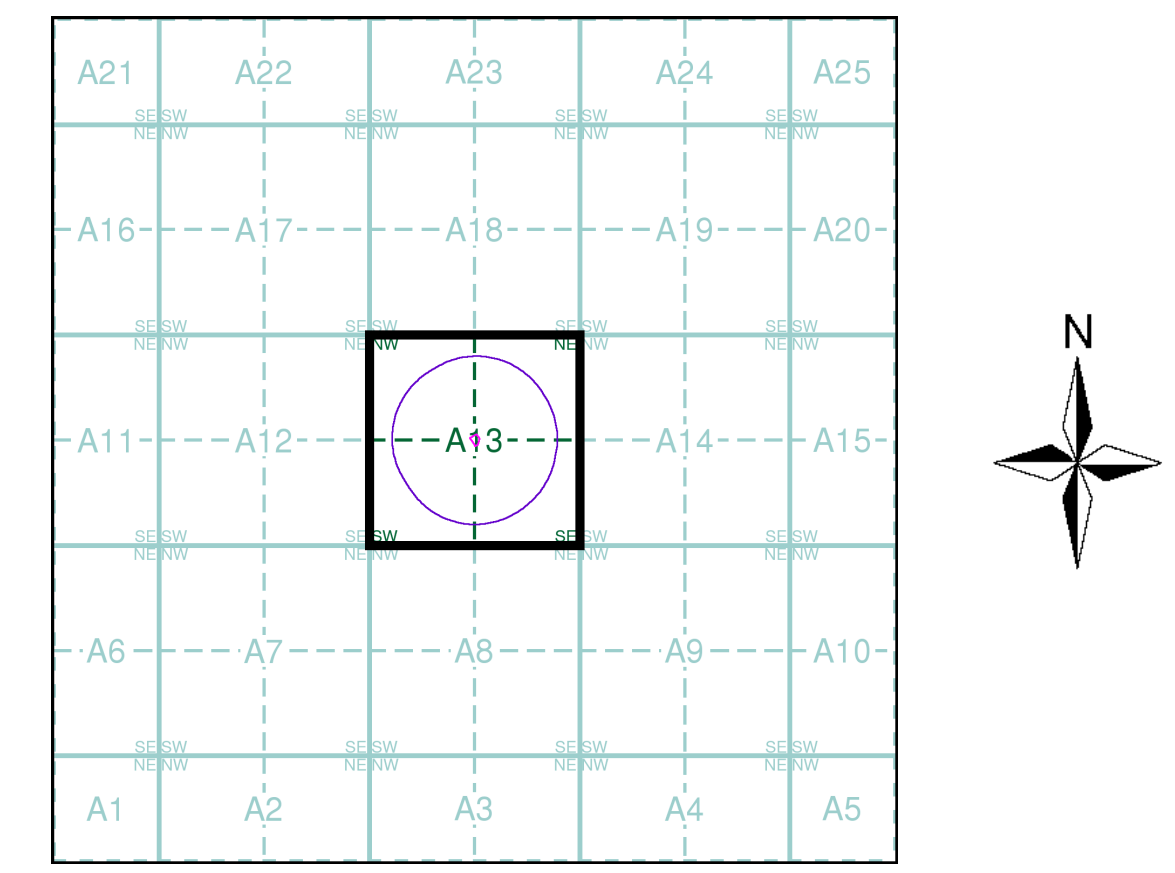
## Source map scale - 1:2,500

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

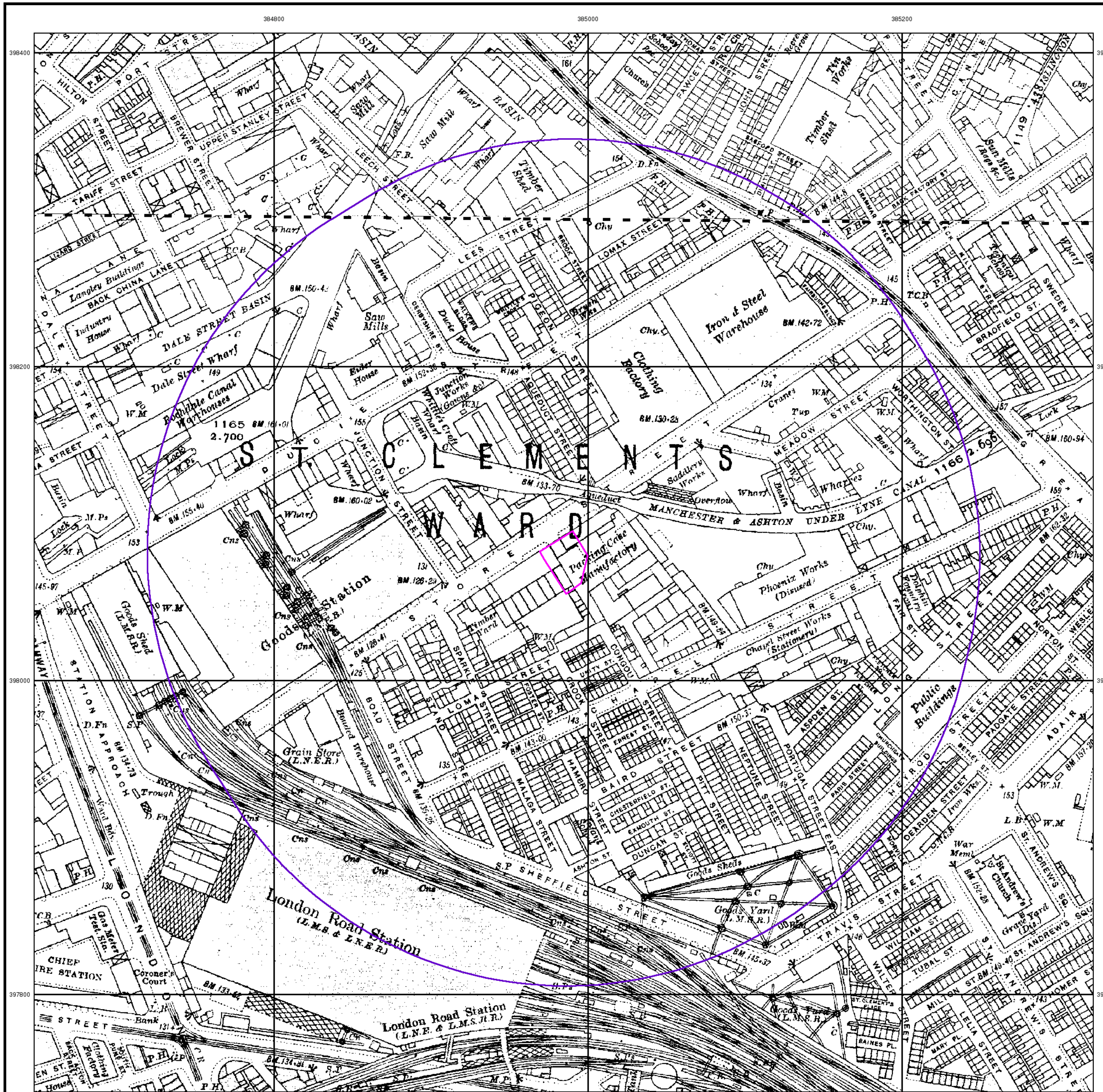
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Customer Ref: PN143226
National Grid Reference: 384990, 398080
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 250

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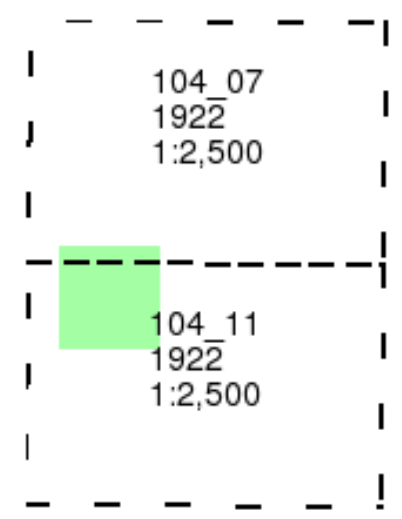
## Lancashire And Furness

## Published 1922

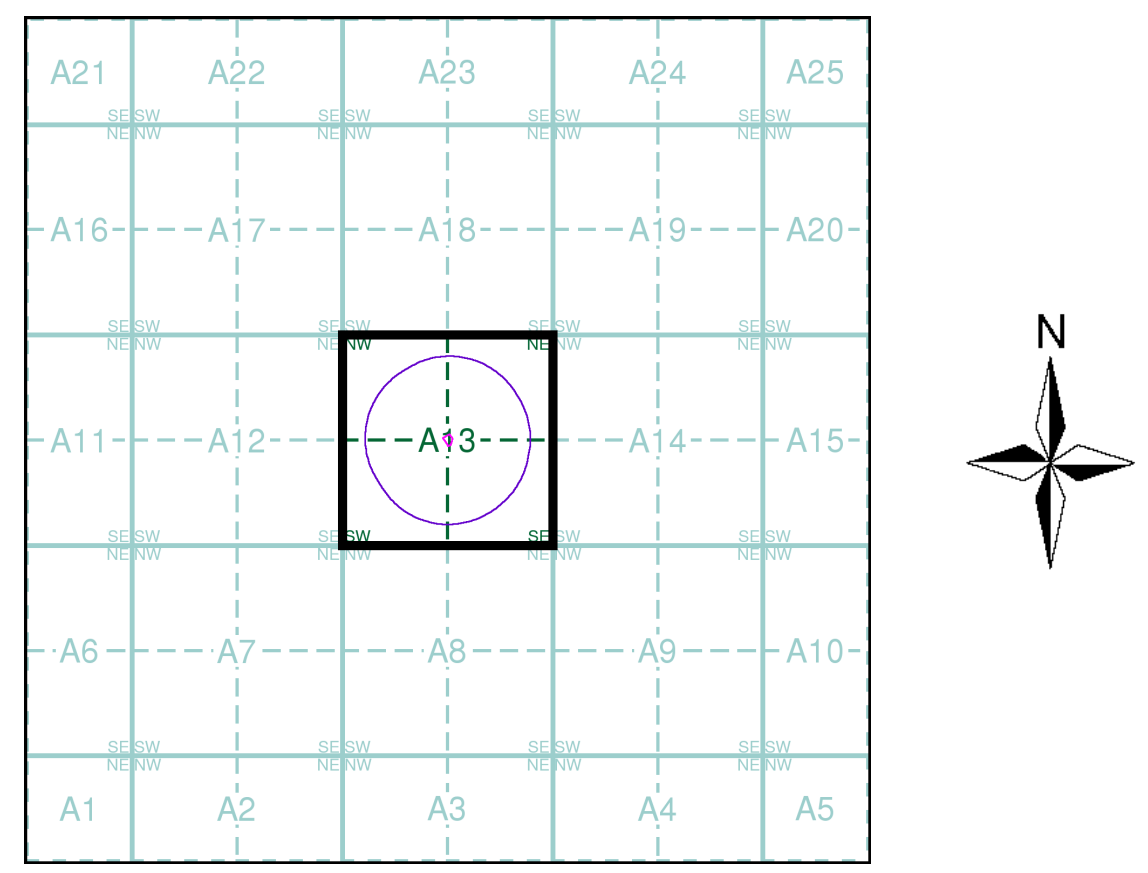
## Source map scale - 1:2,500

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

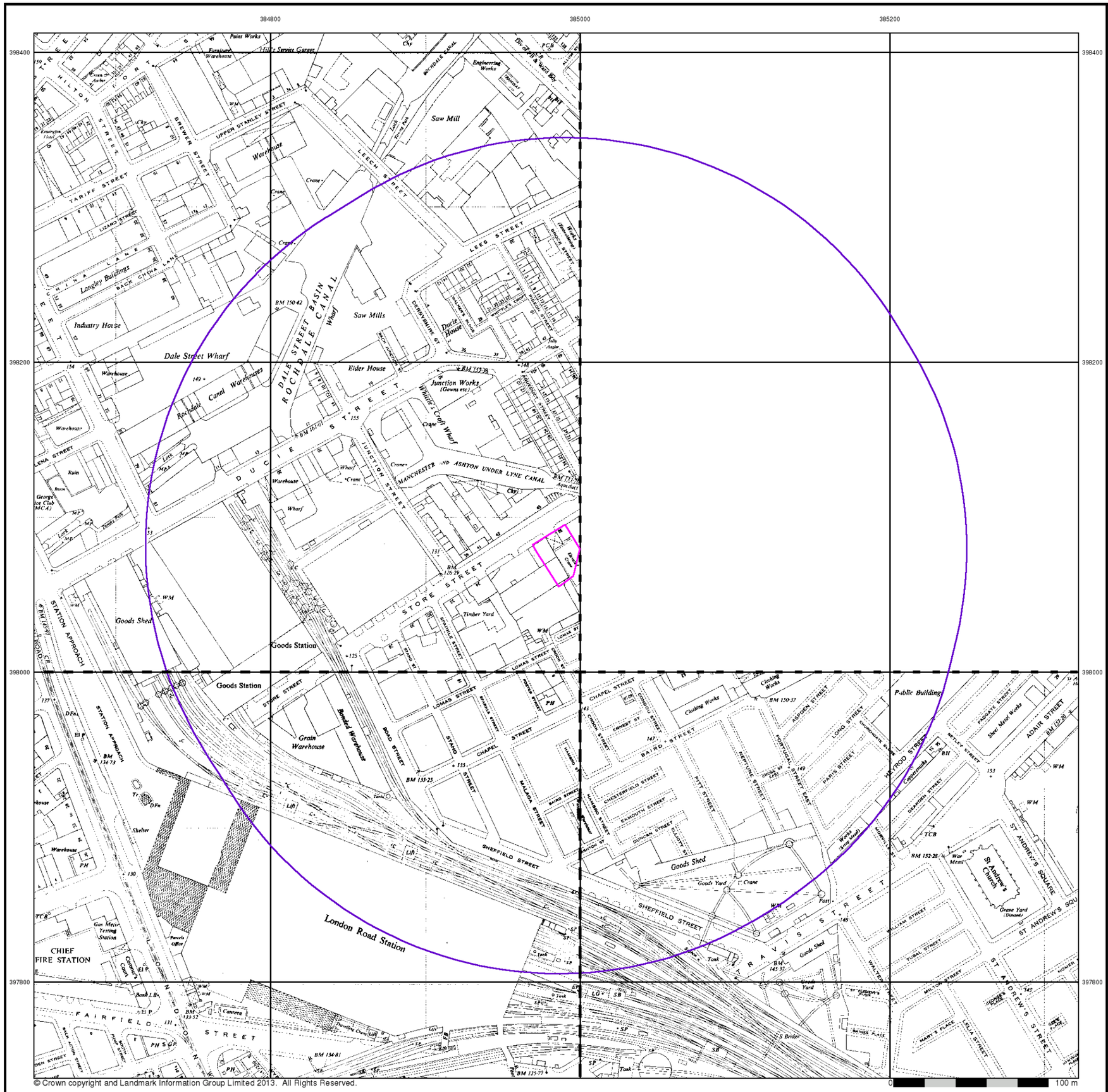
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| Order Number: | 59513547_1_1 |
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| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

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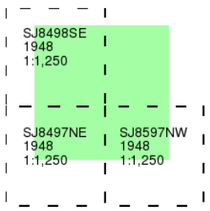
## Ordnance Survey Plan

## Published 1948

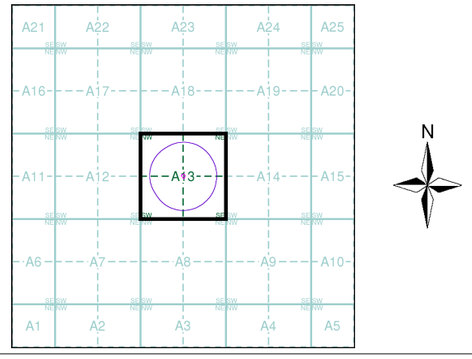
## Source map scale - 1:1,250

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)




## Historical Map - Segment A13



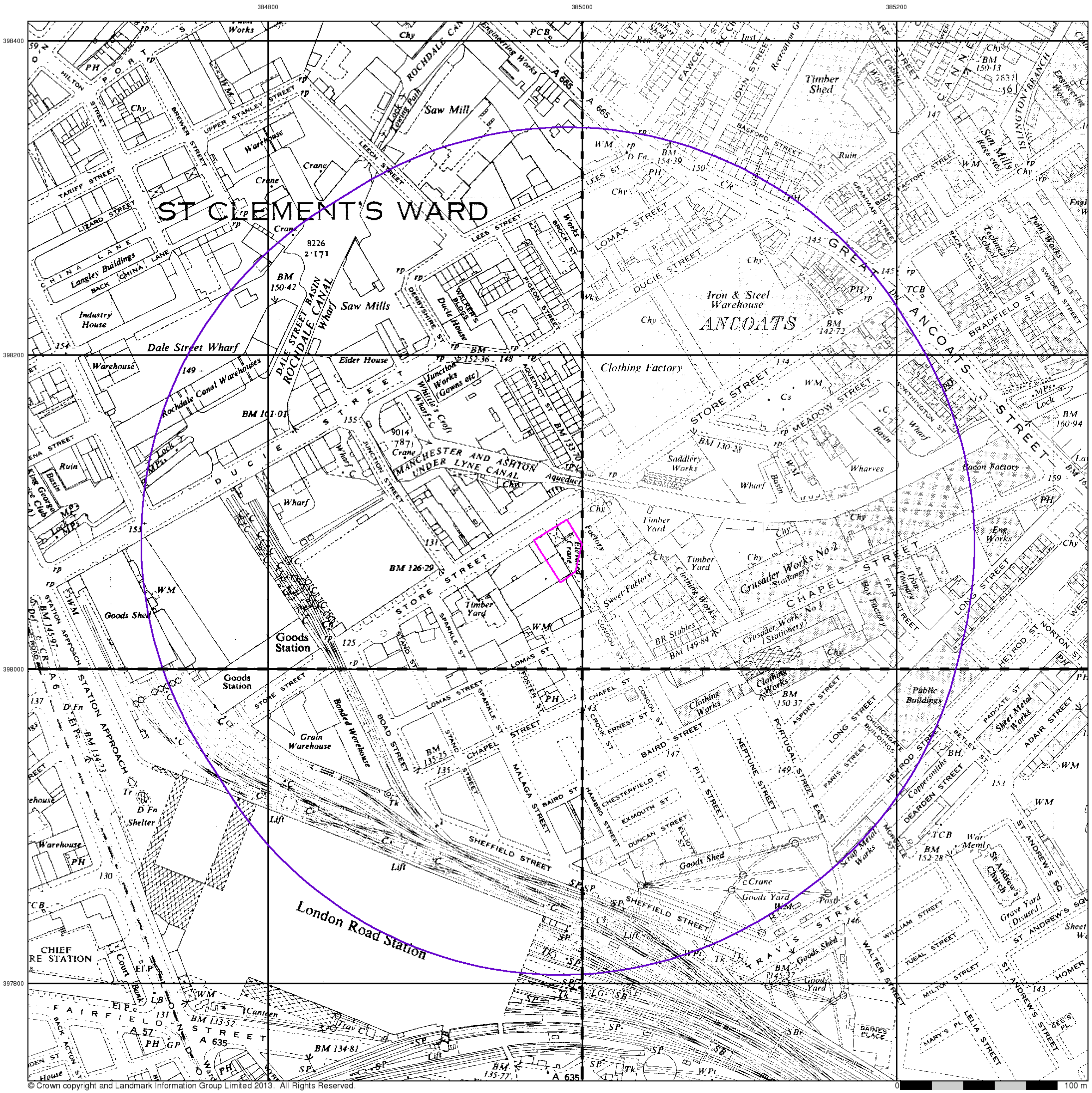

## Order Details

| | |
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| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

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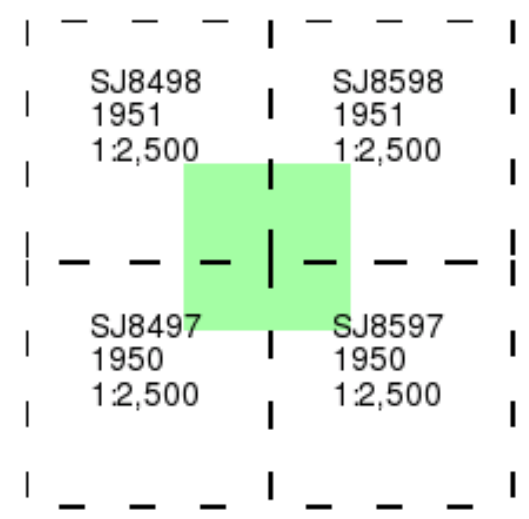
## Ordnance Survey Plan

## Published 1950 - 1951

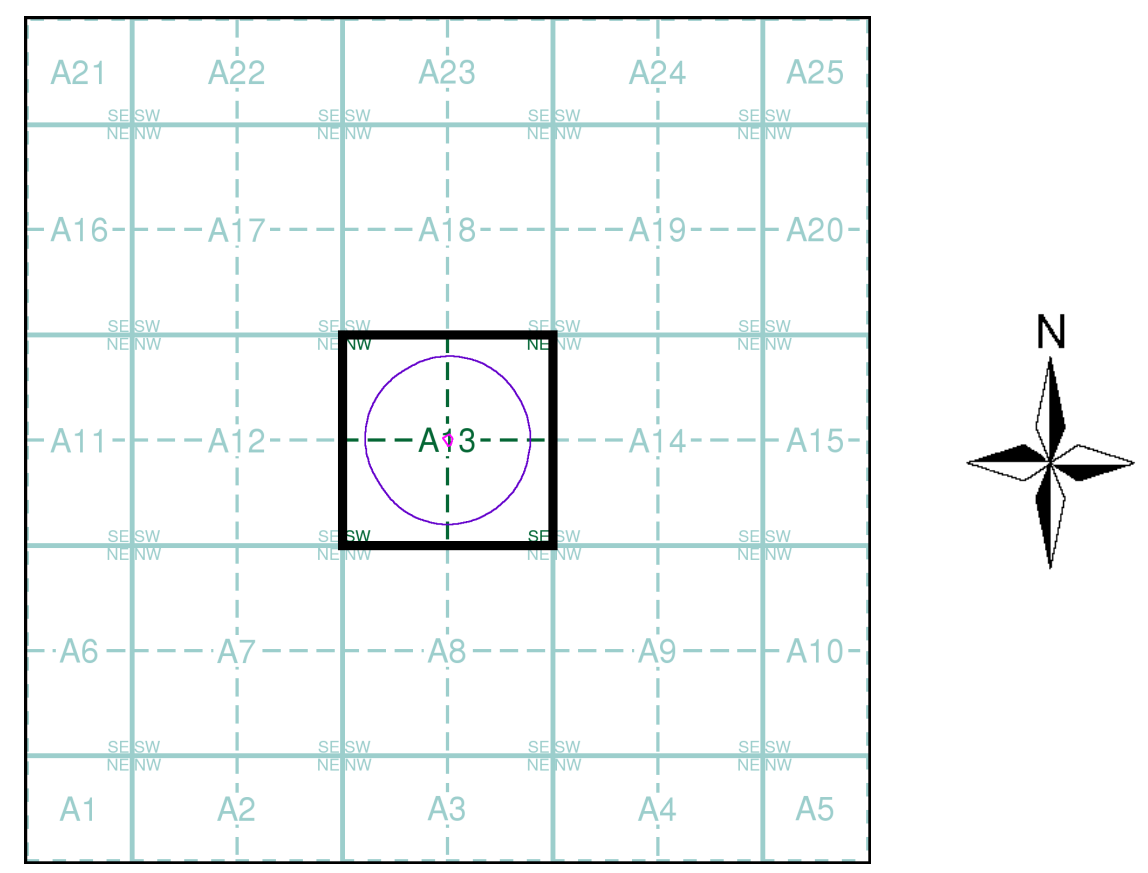
## Source map scale - 1:2,500

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

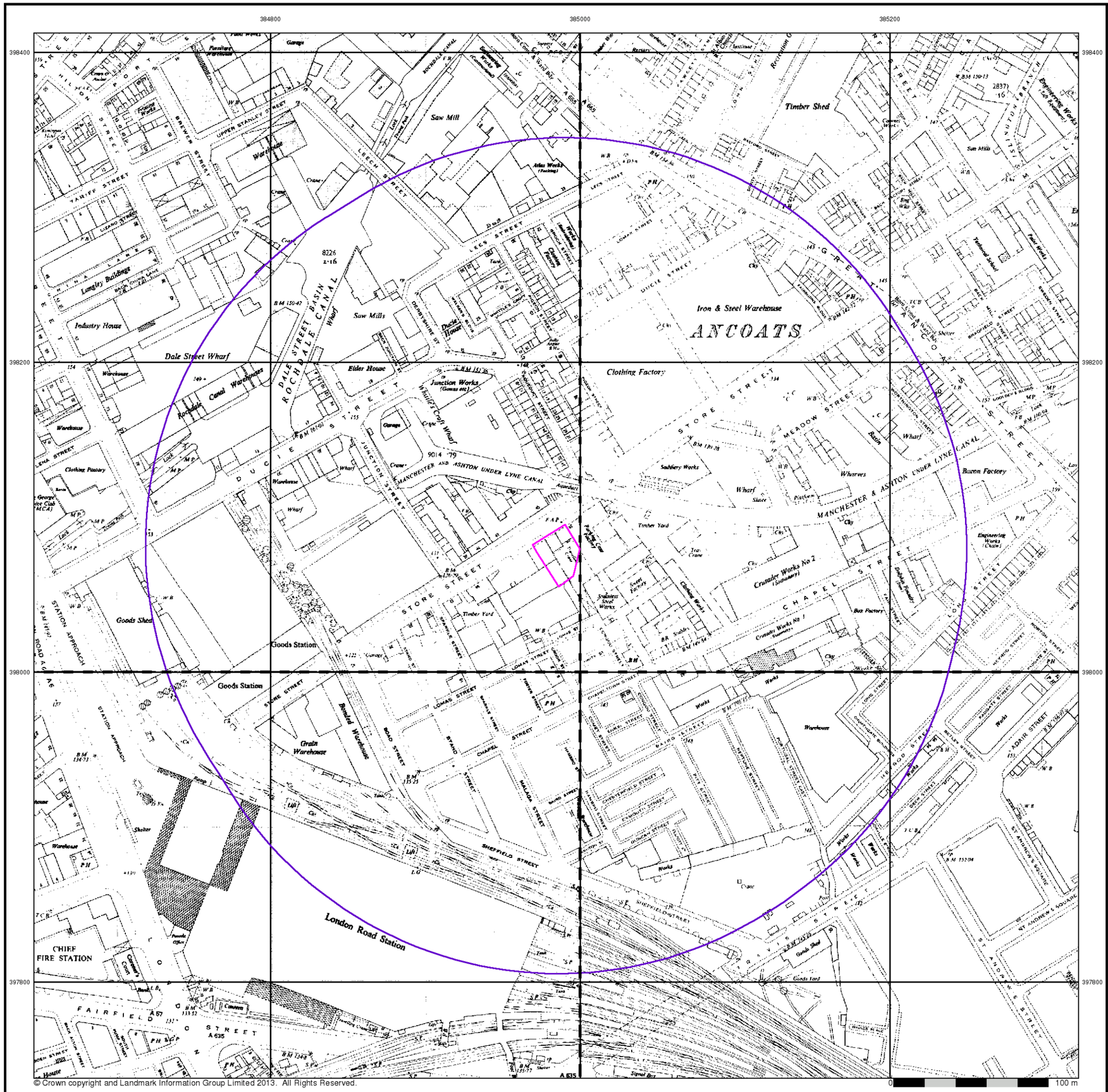
Order Number: 59513547_1_1
Customer Ref: PN143226
National Grid Reference: 384990, 398080
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 250

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## Ordnance Survey Plan

**Published 1953 - 1965**

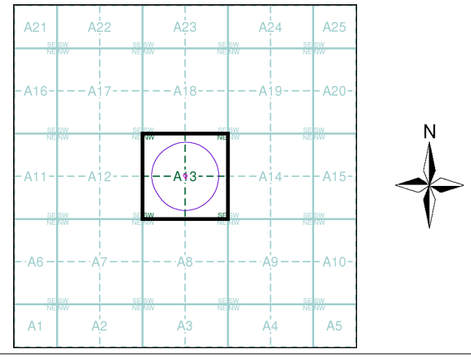
**Source map scale - 1:2,500**

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)

| | |
|---|---|
| SJ8498 1955 1:2,500 | SJ8598 1953 1:2,500 |
| SJ8497 1955 1:2,500 | SJ8597 1965 1:2,500 |

## Historical Map - Segment A13



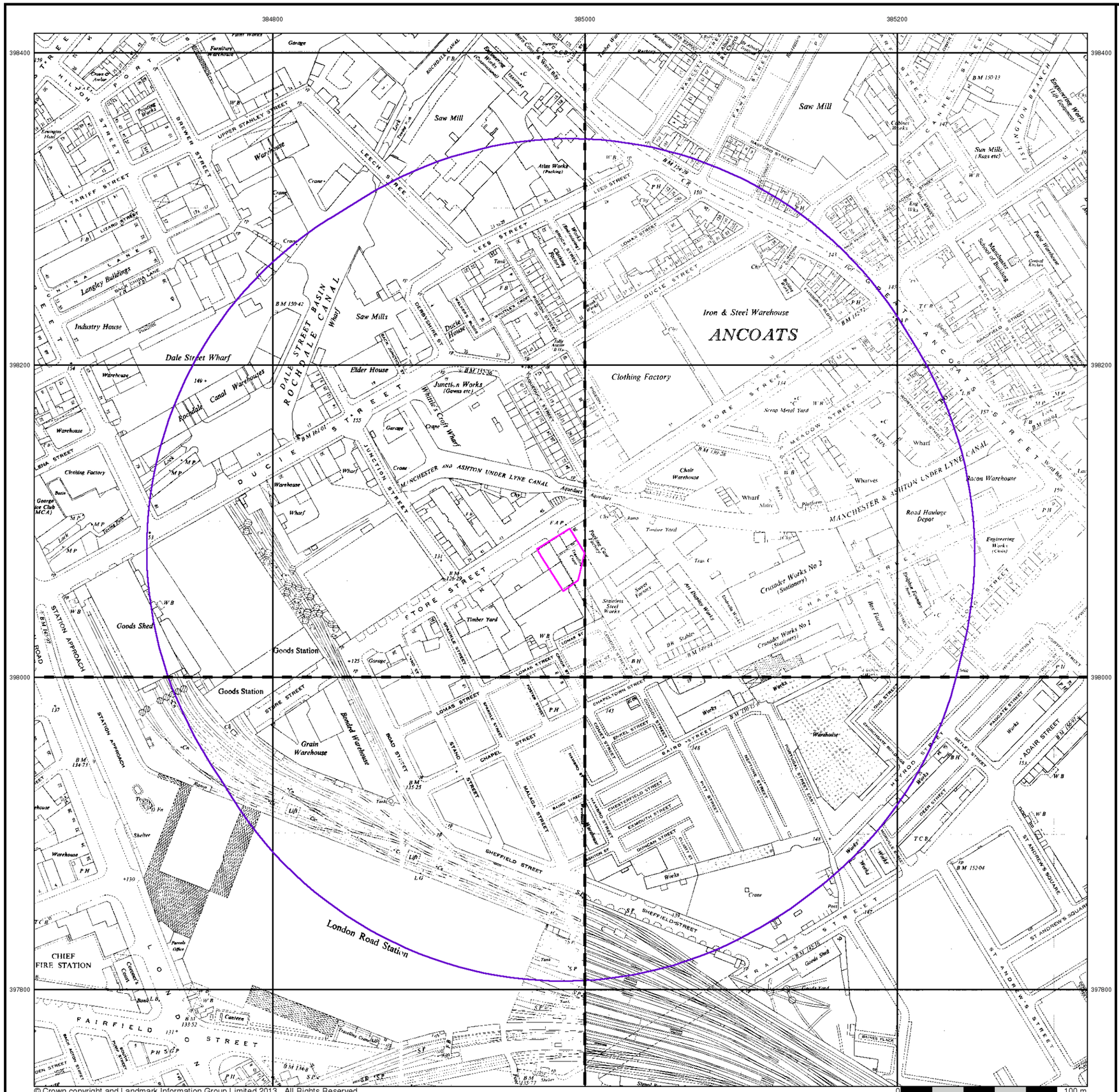

## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

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## Ordnance Survey Plan

**Published 1954 - 1963**

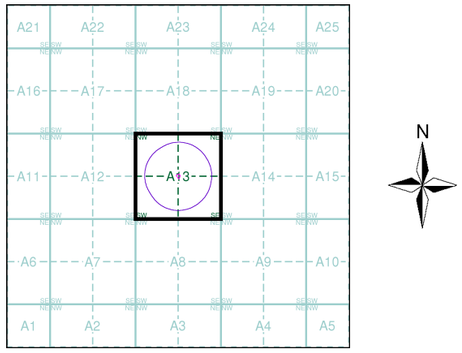
**Source map scale - 1:1,250**

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)

| | |
|---|---|
| SJ8498SE 1954 1:1,250 | SJ8598SW 1955 1:1,250 |
| SJ8497NE 1954 1:1,250 | SJ8597NW 1963 1:1,250 |

## Historical Map - Segment A13



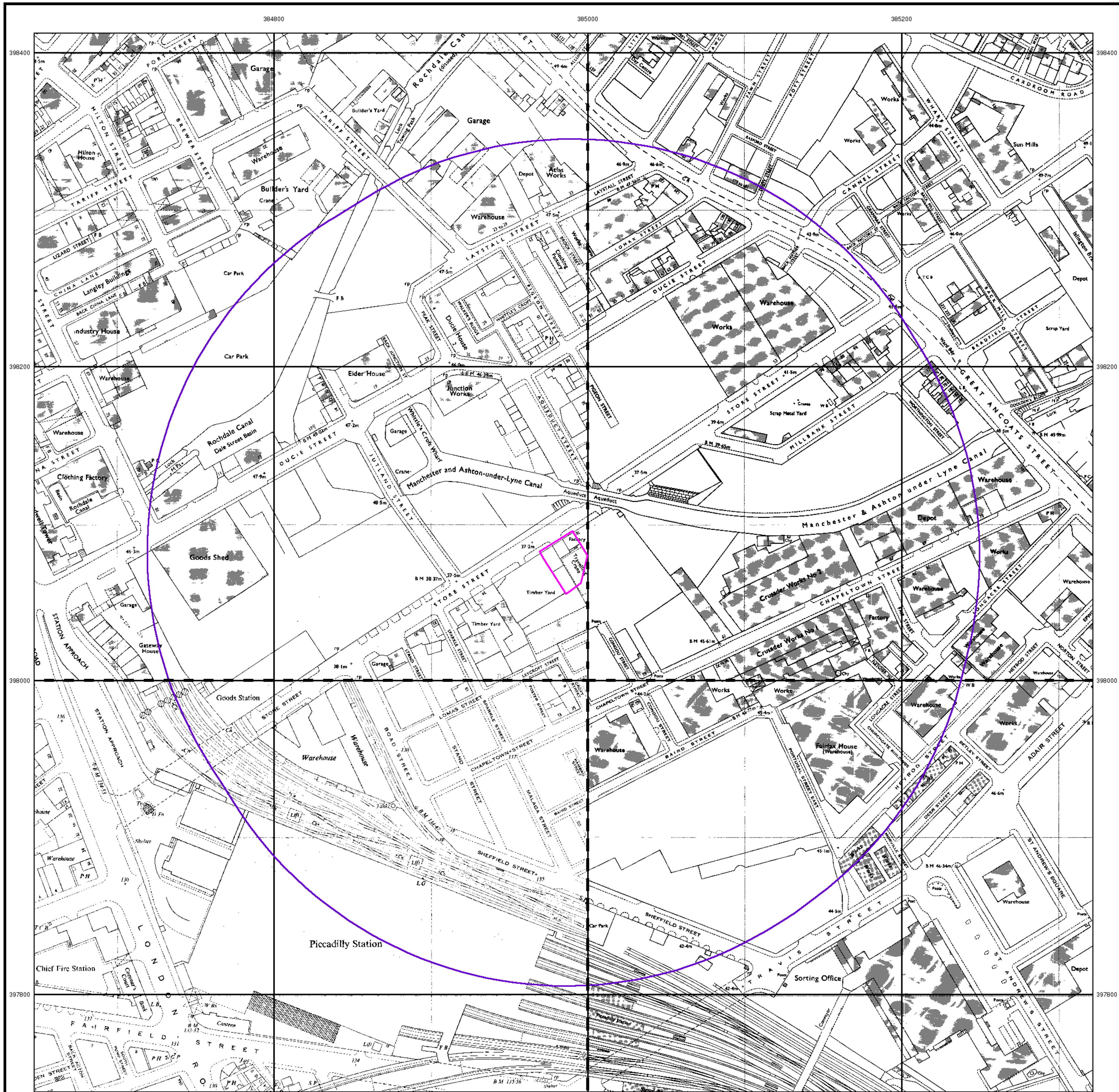

## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

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0 100 m

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## Ordnance Survey Plan

**Published 1964 - 1981**

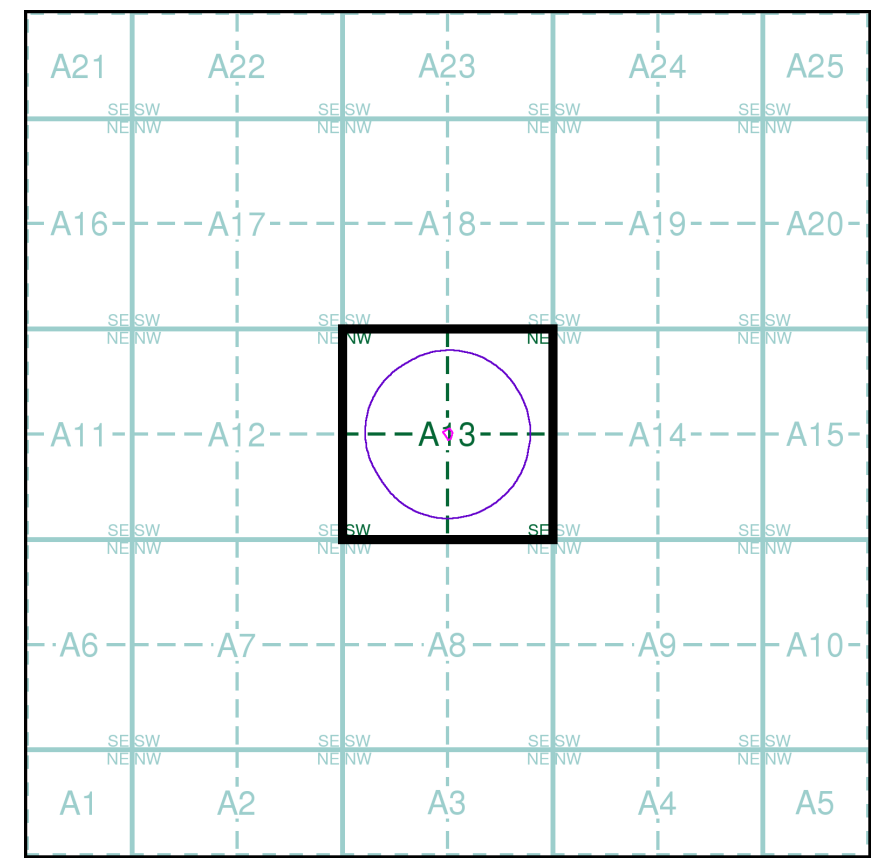
**Source map scale - 1:1,250**

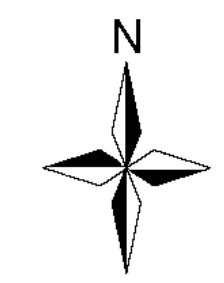
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

| | |
|---|---|
| SJ8498SE<br>1971<br>1:1,250 | SJ8598SW<br>1981<br>1:1,250 |
| SJ8497NE<br>1964<br>1:1,250 | SJ8597NW<br>1977<br>1:1,250 |

## Historical Map - Segment A13




## Order Details

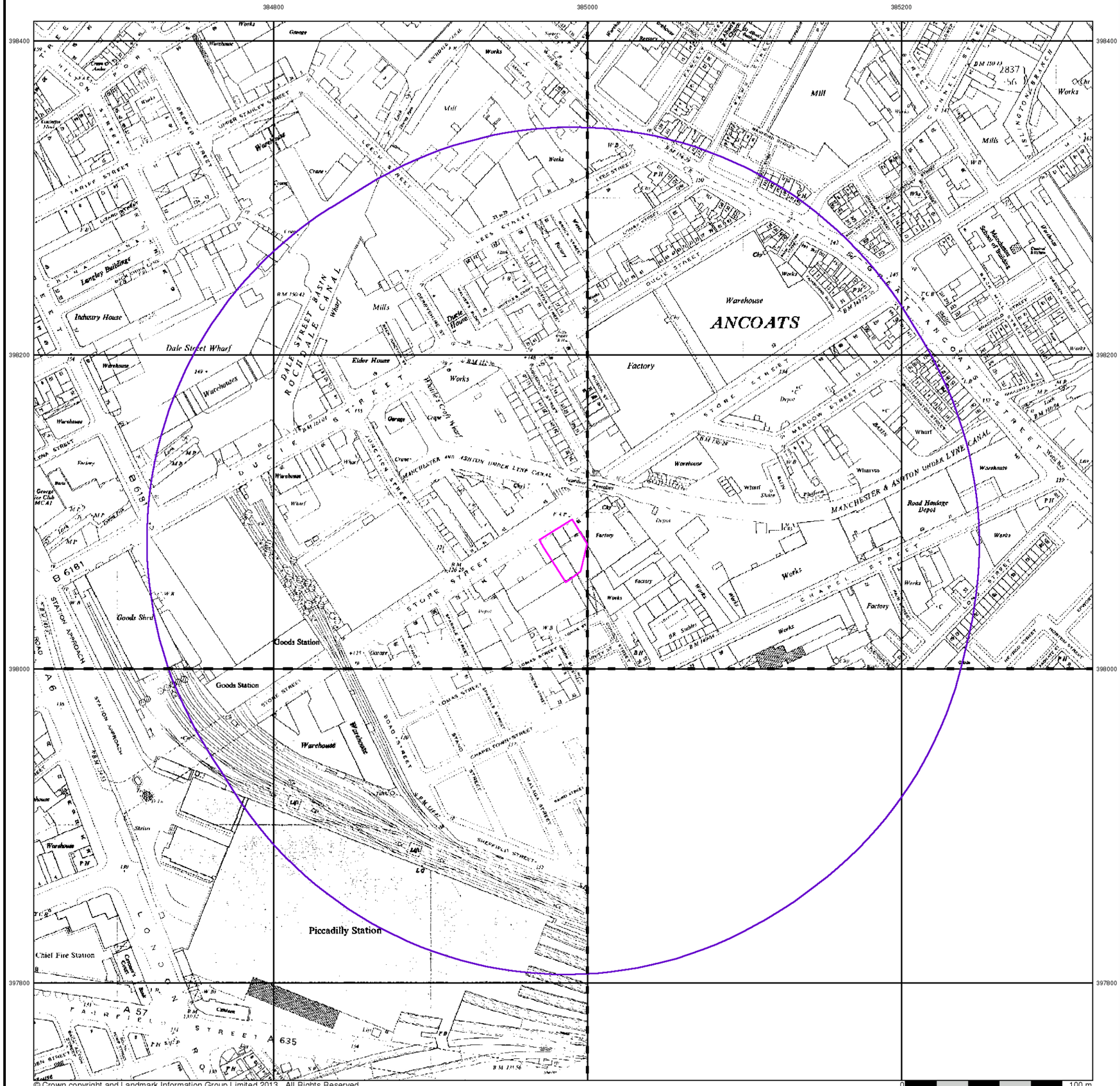
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Customer Ref: PN143226
National Grid Reference: 384990, 398080
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 250

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## Ordnance Survey Plan

**Published 1965**

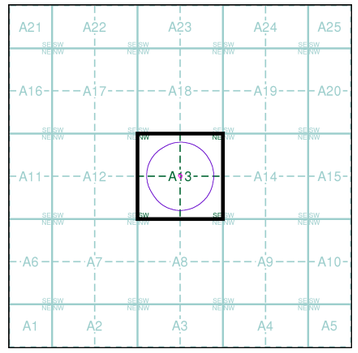
**Source map scale - 1:2,500**

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)

SJ8498 1965 1:2,500
SJ8598 1965 1:2,500
SJ8497 1965 1:2,500

## Historical Map - Segment A13



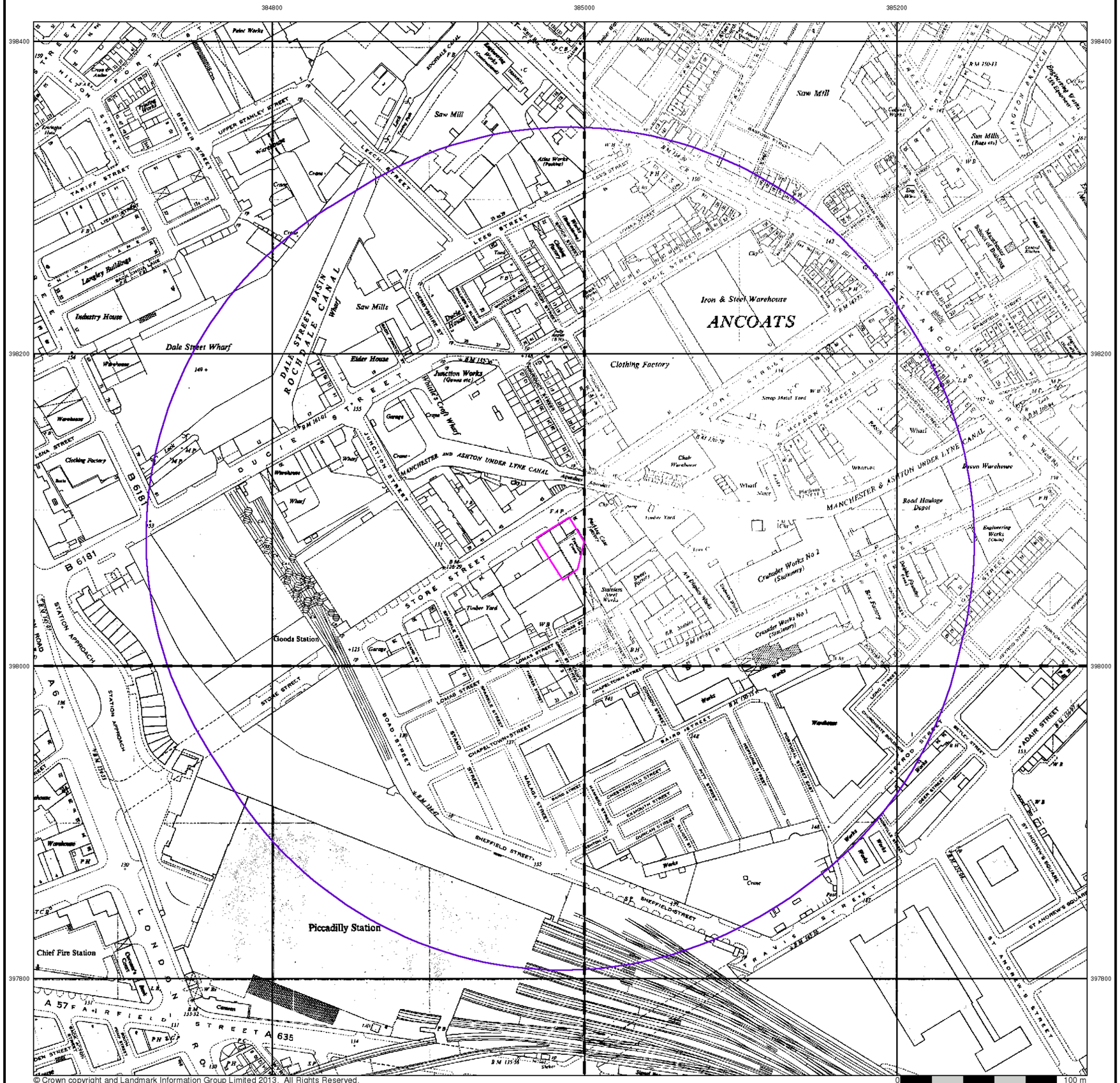

## Order Details

| | |
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| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

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## Ordnance Survey Plan

**Published 1969 - 1970**

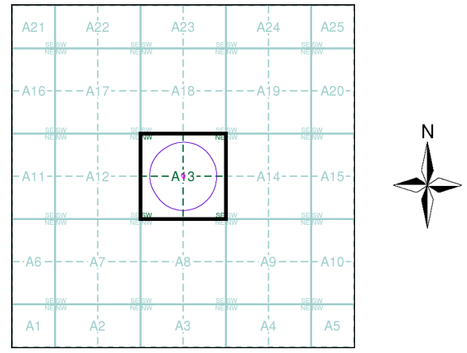
**Source map scale - 1:2,500**

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)

| | |
|---|---|
| SJ8498 1969 1:2,500 | SJ8598 1969 1:2,500 |
| SJ8497 1970 1:2,500 | SJ8597 1970 1:2,500 |

## Historical Map - Segment A13




## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

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Site at 384980, 398080

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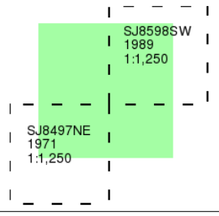
## Ordnance Survey Plan

**Published 1971 - 1989**

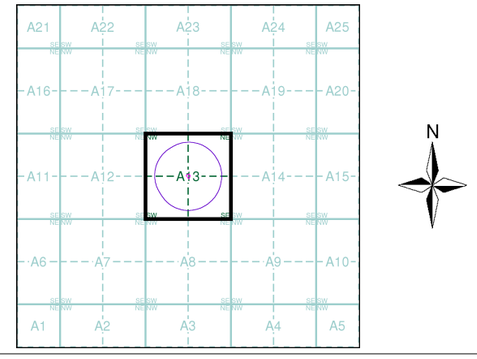
**Source map scale - 1:1,250**

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)




## Historical Map - Segment A13




## Order Details

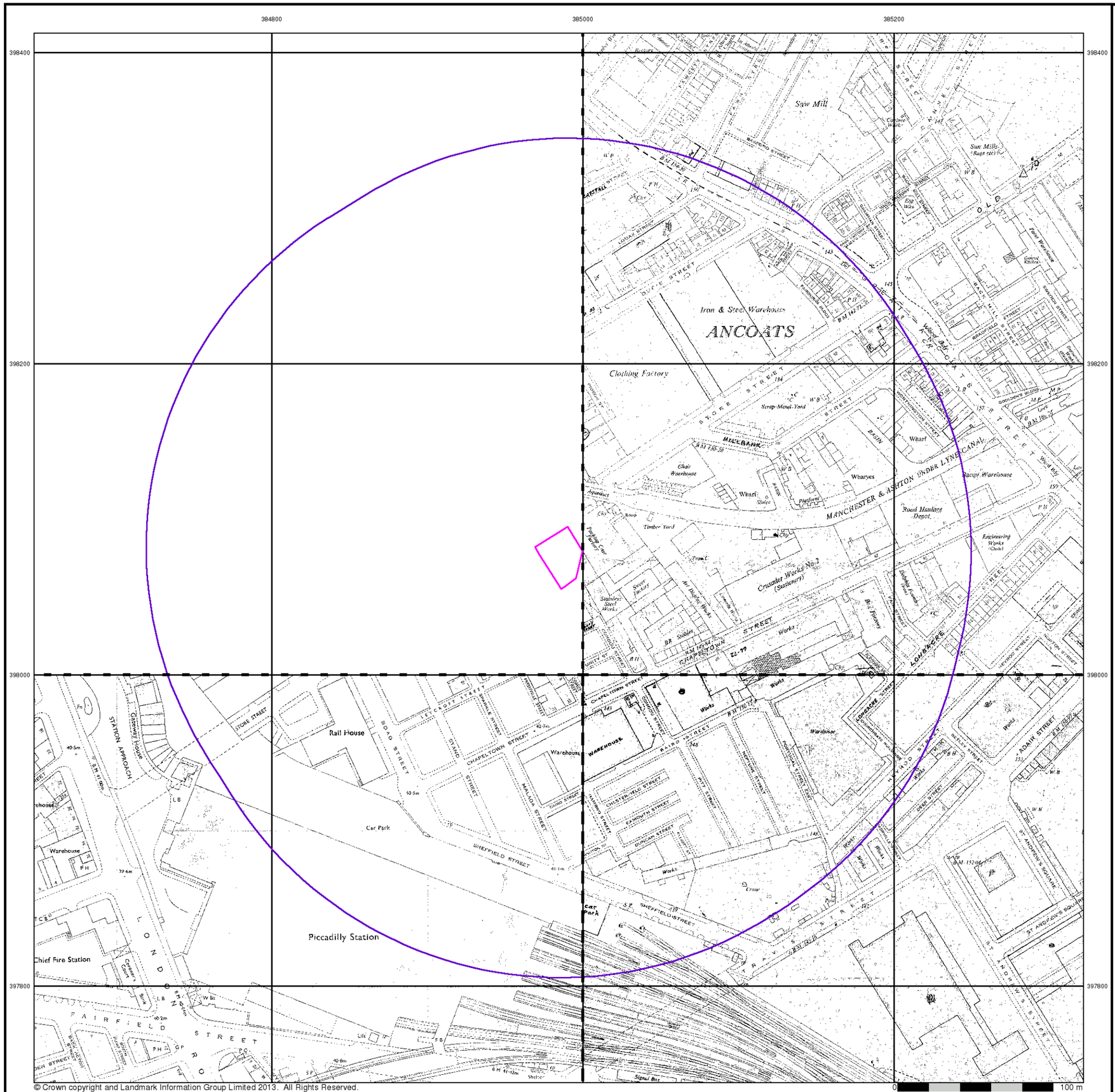
| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

## Site Details

Site at 384980, 398080

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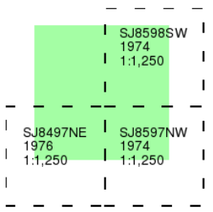
## Supply of Unpublished Survey Information

**Published 1974 - 1976**

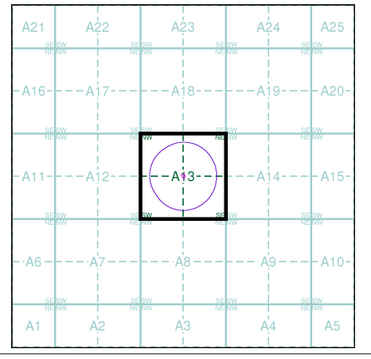
**Source map scale - 1:1,250**

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)




## Historical Map - Segment A13




## Order Details

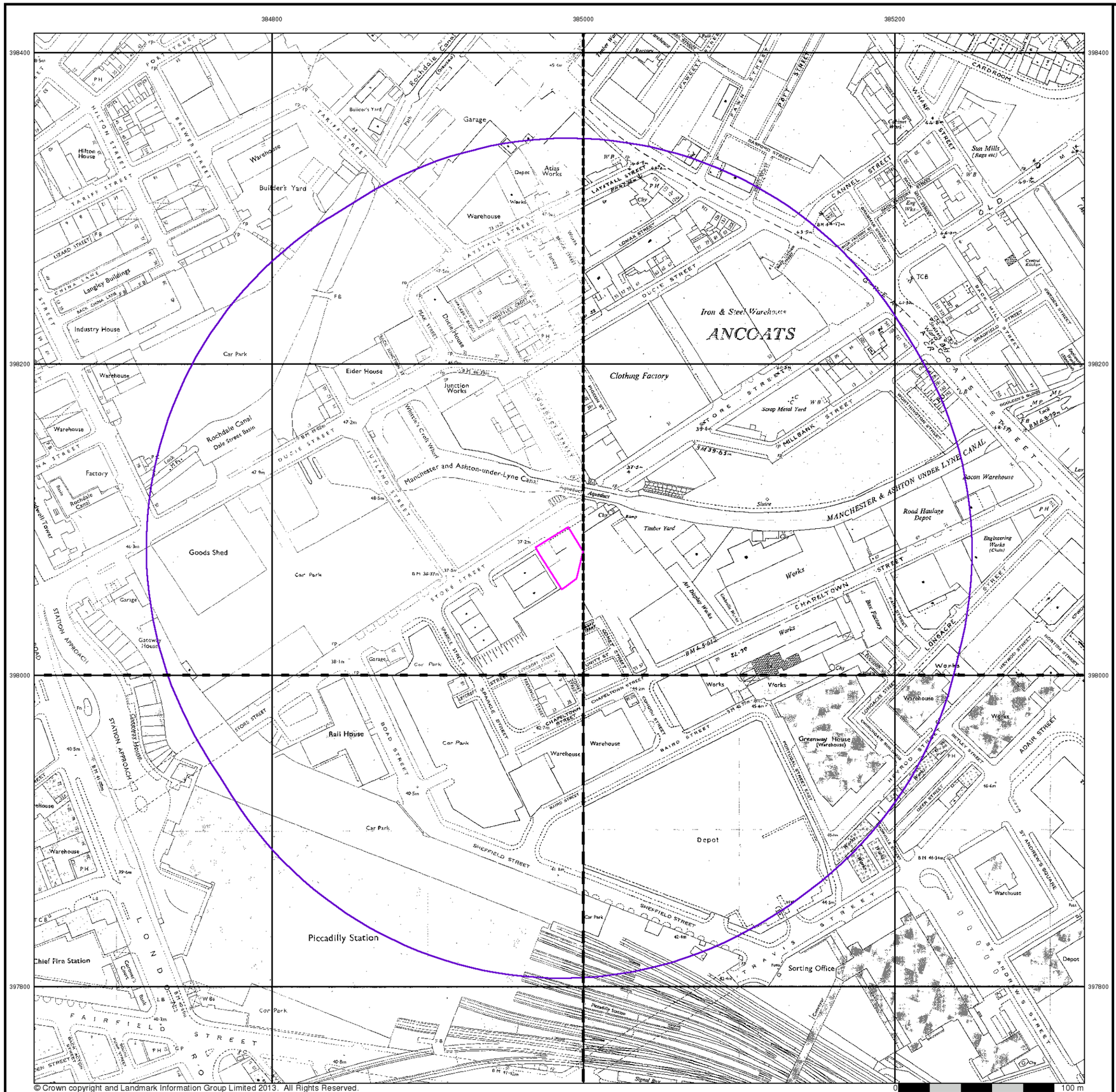
| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

## Site Details

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## Additional SIMs

**Published 1978 - 1985**

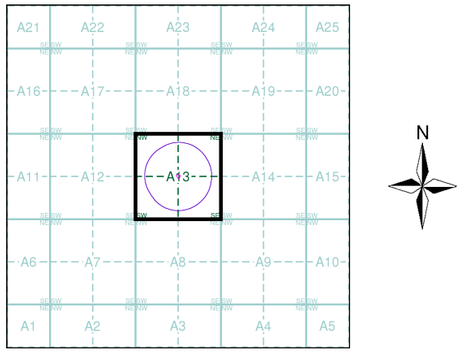
**Source map scale - 1:1,250**

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)

| | |
|---|---|
| SJ8498SE 1985 1:1,250 | SJ8598SW 1978 1:1,250 |
| SJ8497NE 1984 1:1,250 | SJ8597NW 1985 1:1,250 |

## Historical Map - Segment A13




## Order Details

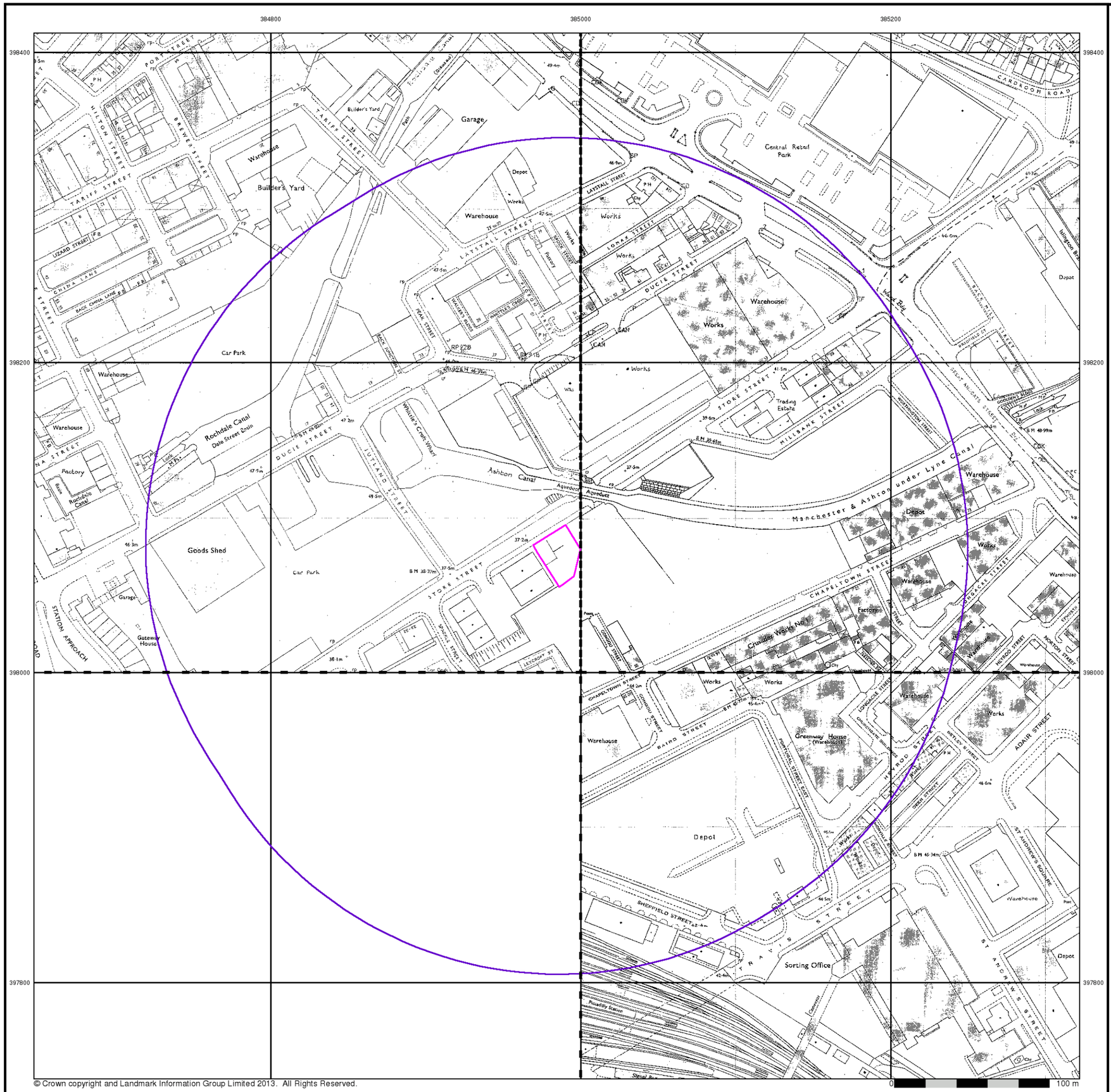
| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

## Site Details

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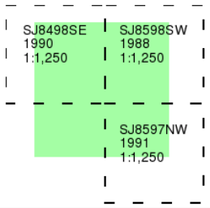
## Additional SIMs

**Published 1988 - 1991**

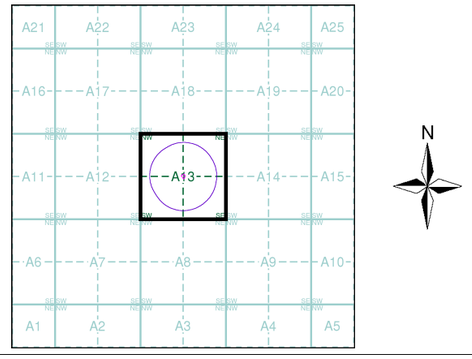
**Source map scale - 1:1,250**

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)




## Historical Map - Segment A13




## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

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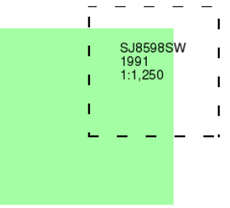
## Additional SIMs

**Published 1991**

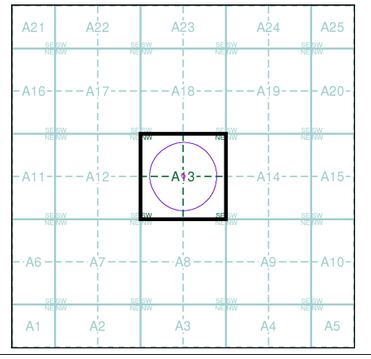
**Source map scale - 1:1,250**

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)




## Historical Map - Segment A13



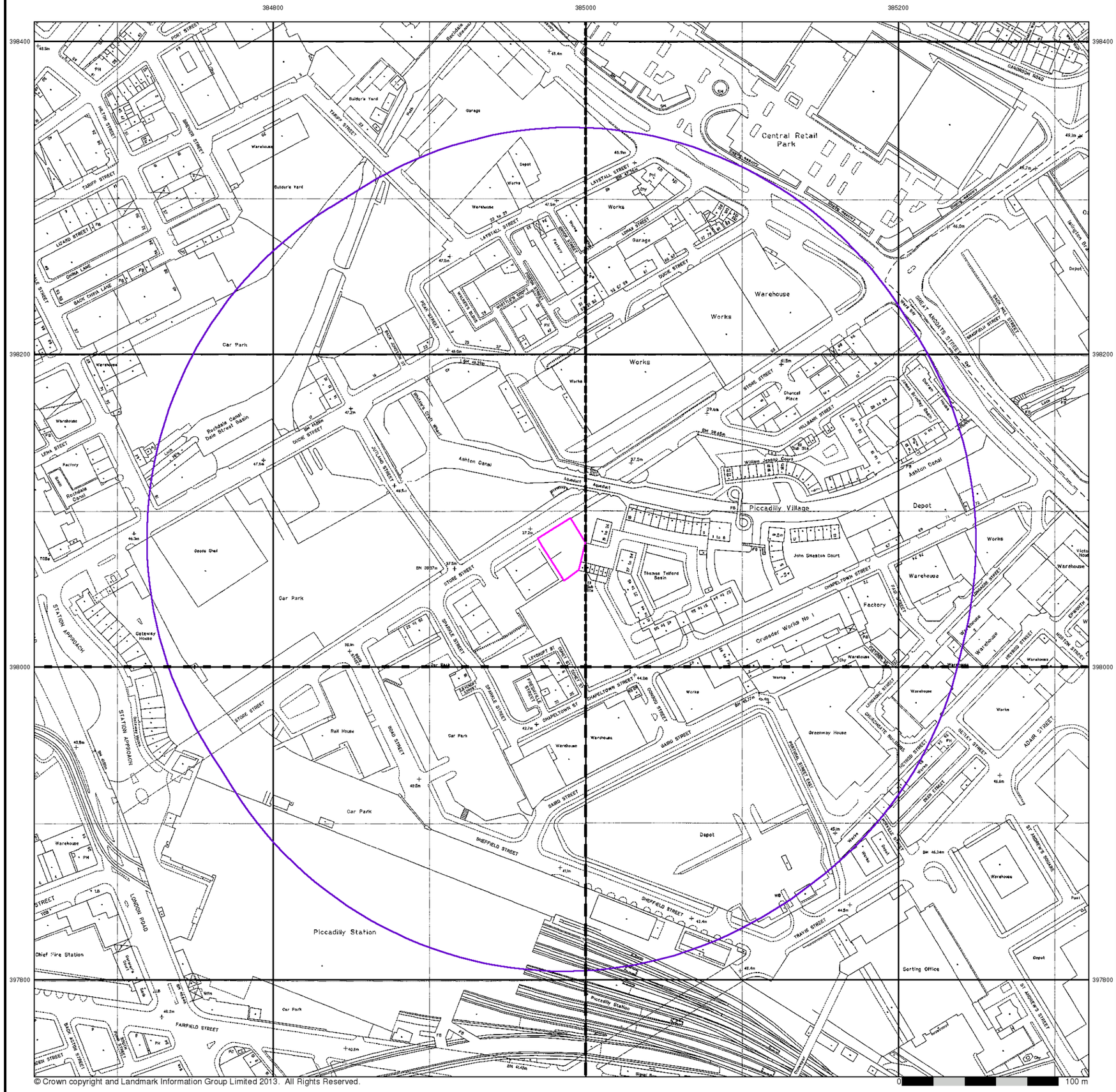

## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

## Site Details

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## Large-Scale National Grid Data

**Published 1992**

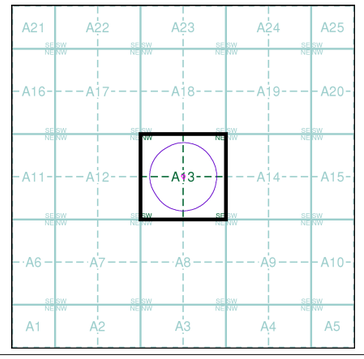
**Source map scale - 1:1,250**

'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)

| | |
|---|---|
| SJ8498SE 1992 1:1,250 | SJ8598SW 1992 1:1,250 |
| SJ8497NE 1992 1:1,250 | SJ8597NW 1992 1:1,250 |

## Historical Map - Segment A13



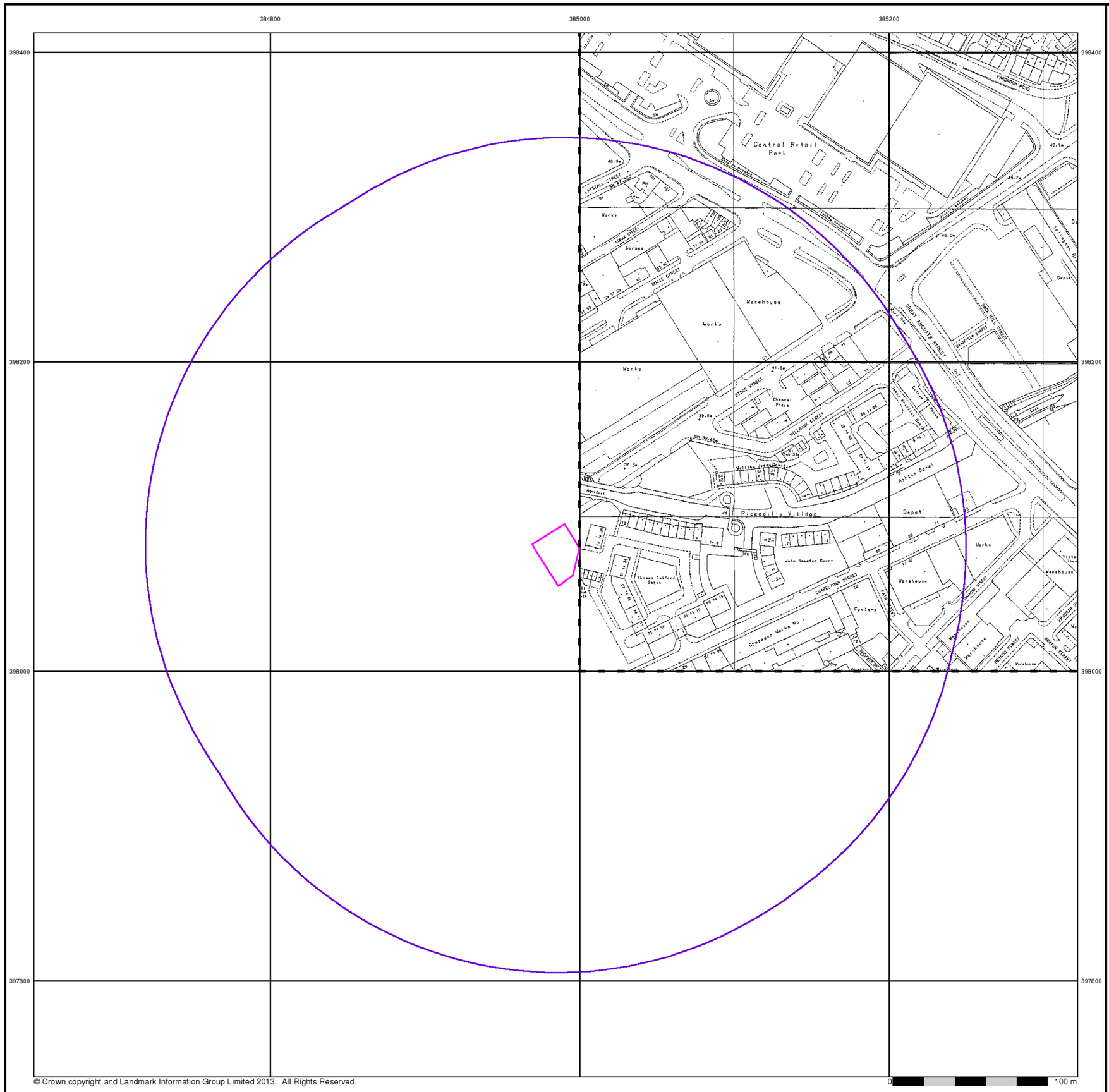

## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

## Site Details

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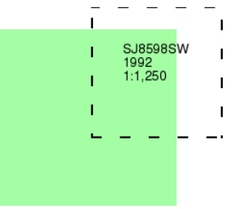
## Additional SIMs

**Published 1992**

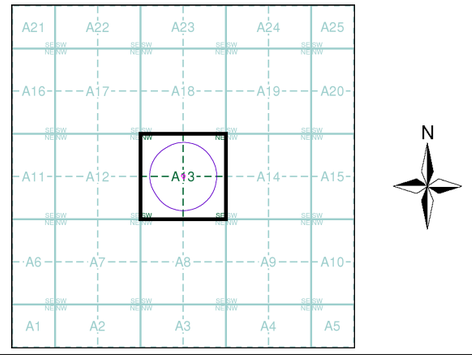
**Source map scale - 1:1,250**

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)




## Historical Map - Segment A13



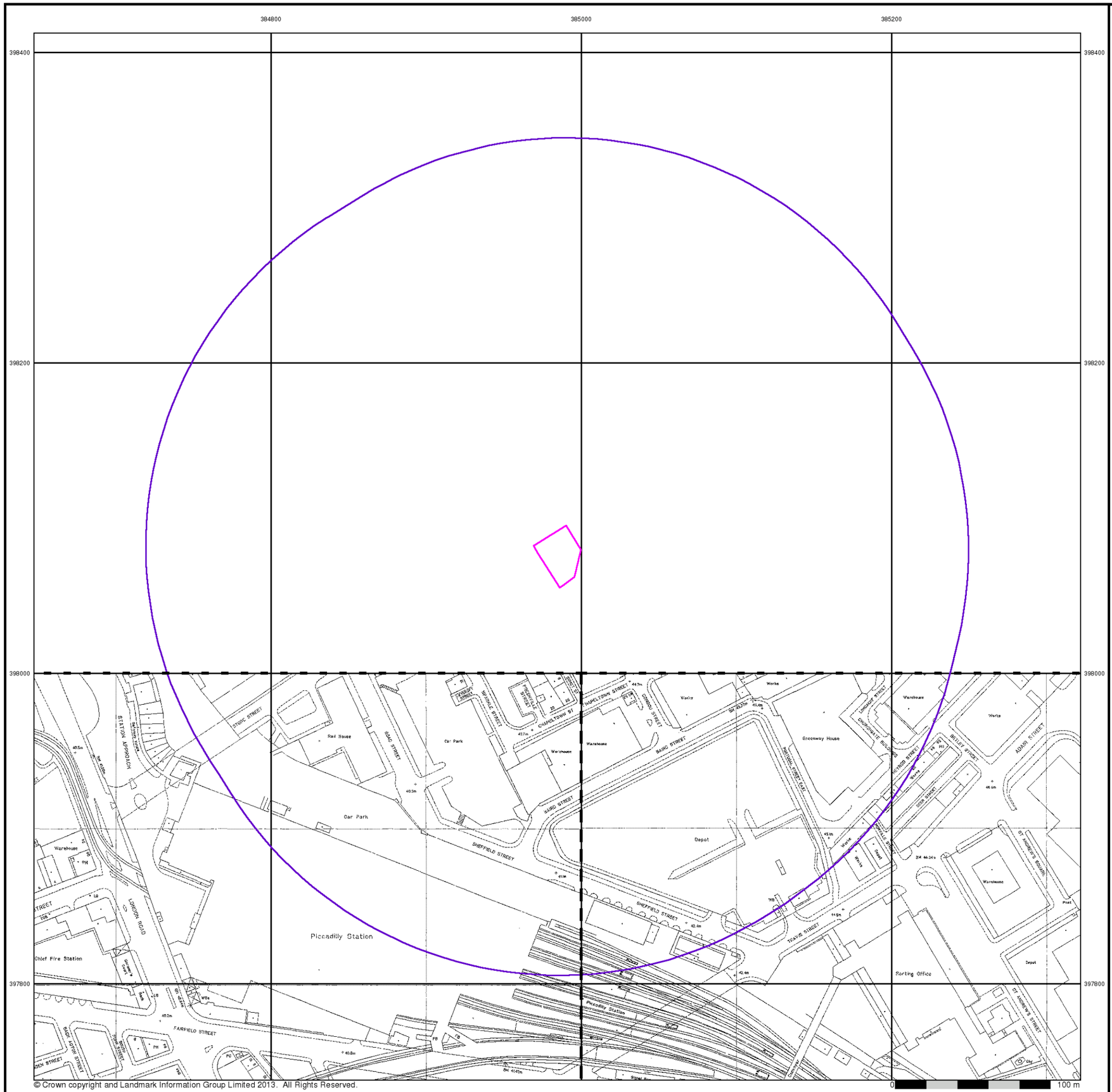

## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

## Site Details

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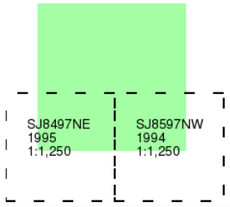
## Large-Scale National Grid Data

**Published 1994 - 1995**

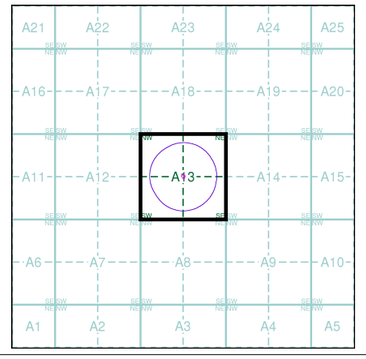
**Source map scale - 1:1,250**

'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)




## Historical Map - Segment A13




## Order Details

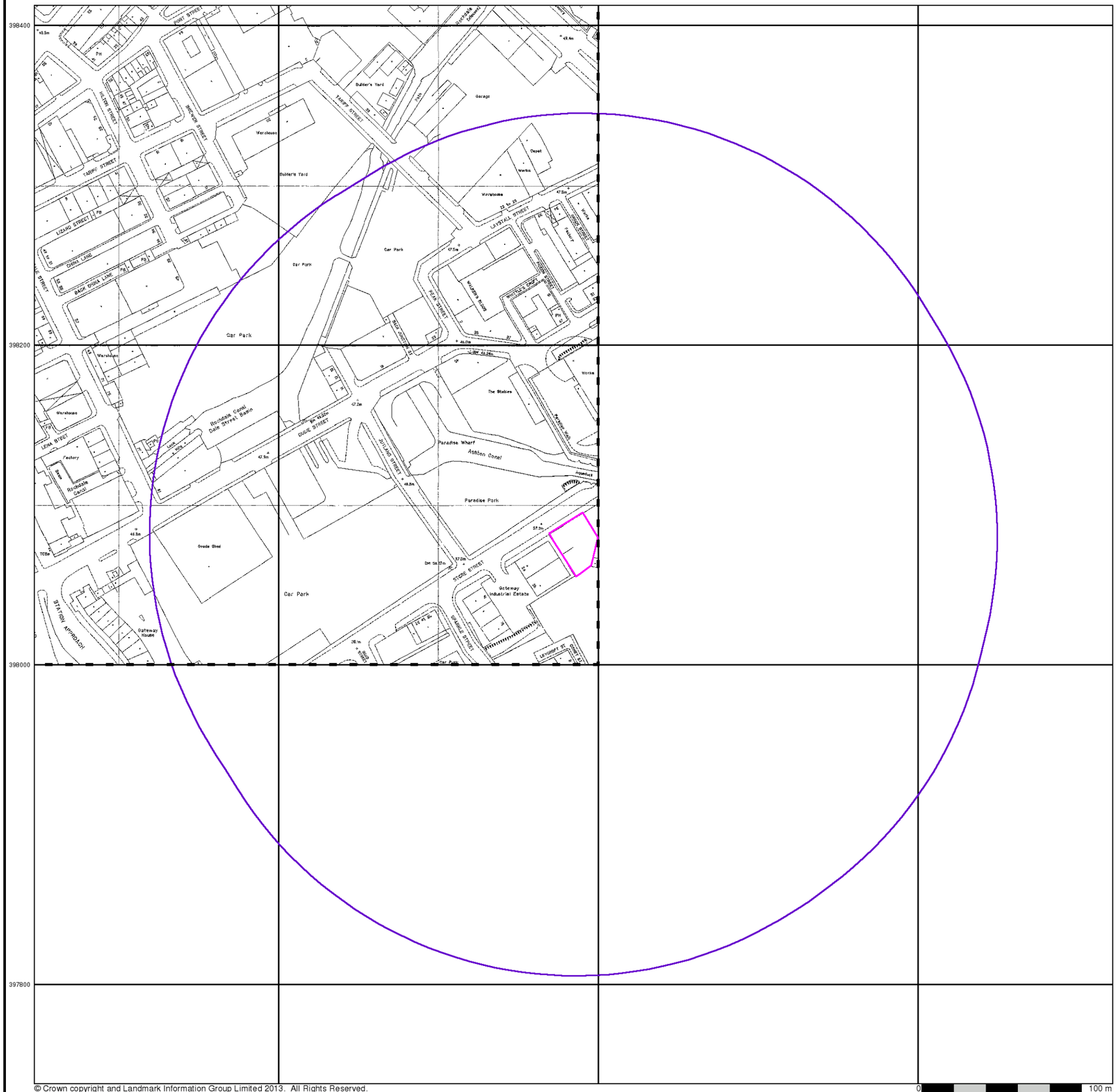
| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

## Site Details

Site at 384980, 398080

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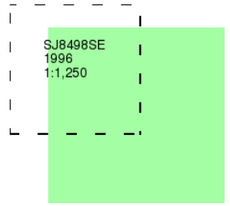
## Large-Scale National Grid Data

**Published 1996**

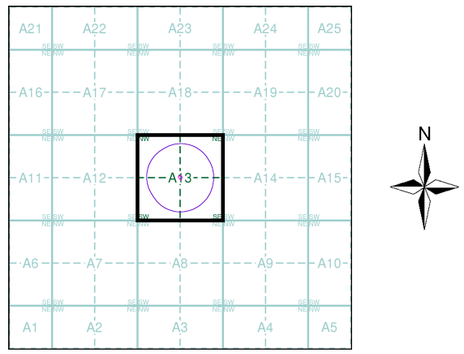
**Source map scale - 1:1,250**

'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)




## Historical Map - Segment A13




## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 250 |

## Site Details

Site at 384980, 398080

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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
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
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
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. 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
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
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
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

| | | | |
|---|---|---|---|
| BP, BS | Boundary Post or Stone | Pol Sta | Police Station |
| Ch | Church | PO | Post Office |
| CH | Club House | PC | Public Convenience |
| F E Sta | Fire Engine Station | PH | Public House |
| FB | Foot Bridge | SB | Signal Box |
| Fn | Fountain | Spr | Spring |
| GP | Guide Post | TCB | Telephone Call Box |
| MP | Mile Post | TCP | Telephone Call Post |
| MS | Mile Stone | W | Well |

## 1:10,000 Raster Mapping

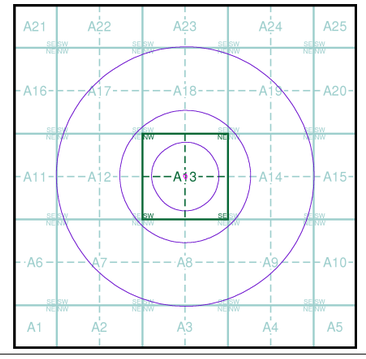
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or 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
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m 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

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## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Lancashire And Furness | 1:10,560 | 1848 | 3 |
| Cheshire | 1:10,560 | 1882 | 4 |
| Lancashire And Furness | 1:10,560 | 1894 - 1896 | 5 |
| Lancashire And Furness | 1:10,560 | 1909 | 6 |
| Lancashire And Furness | 1:10,560 | 1923 | 7 |
| Lancashire And Furness | 1:10,560 | 1931 - 1933 | 8 |
| Lancashire And Furness | 1:10,560 | 1938 | 9 |
| Ordnance Survey Plan | 1:10,000 | 1956 | 10 |
| Ordnance Survey Plan | 1:10,000 | 1968 | 11 |
| Ordnance Survey Plan | 1:10,000 | 1972 | 12 |
| Manchester | 1:25,000 | 1975 | 13 |
| Ordnance Survey Plan | 1:10,000 | 1980 - 1981 | 14 |
| Ordnance Survey Plan | 1:10,000 | 1985 - 1987 | 15 |
| Ordnance Survey Plan | 1:10,000 | 1989 | 16 |
| Ordnance Survey Plan | 1:10,000 | 1993 - 1994 | 17 |
| 10K Raster Mapping | 1:10,000 | 2006 | 18 |
| VectorMap Local | 1:10,000 | 2014 | 19 |

## Historical Map - Slice A




## Order Details

Order Number: 59513547_1_1
Customer Ref: PN143226
National Grid Reference: 384990, 398080
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

## Site Details

Site at 384980, 398080


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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 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

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
- Main Highway
- Highway under Construction
- Improved Dirt Road (former truck road)
- Double-track Railroad with First Class Station
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment
- 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

### SJ89_Manchester

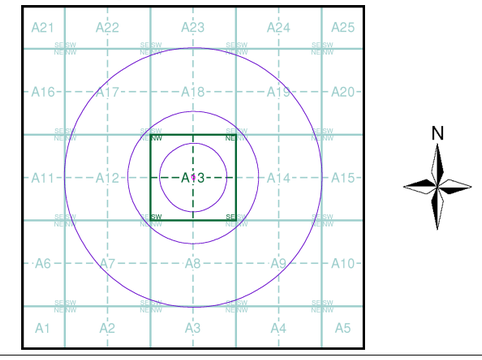
| No. | Description |
|---|---|
| 168 | Post Office |
| 169 | Post Office |

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## Historical Mapping & Photography included:

| Mapping Type | Scale | Date | Pg |
|---|---|---|---|
| Lancashire And Furness | 1:10,560 | 1848 | 3 |
| Cheshire | 1:10,560 | 1882 | 4 |
| Lancashire And Furness | 1:10,560 | 1894 - 1896 | 5 |
| Lancashire And Furness | 1:10,560 | 1909 | 6 |
| Lancashire And Furness | 1:10,560 | 1923 | 7 |
| Lancashire And Furness | 1:10,560 | 1931 - 1933 | 8 |
| Lancashire And Furness | 1:10,560 | 1938 | 9 |
| Ordnance Survey Plan | 1:10,000 | 1956 | 10 |
| Ordnance Survey Plan | 1:10,000 | 1968 | 11 |
| Ordnance Survey Plan | 1:10,000 | 1972 | 12 |
| Manchester | 1:25,000 | 1975 | 13 |
| Ordnance Survey Plan | 1:10,000 | 1980 - 1981 | 14 |
| Ordnance Survey Plan | 1:10,000 | 1985 - 1987 | 15 |
| Ordnance Survey Plan | 1:10,000 | 1989 | 16 |
| Ordnance Survey Plan | 1:10,000 | 1993 - 1994 | 17 |
| 10K Raster Mapping | 1:10,000 | 2006 | 18 |
| VectorMap Local | 1:10,000 | 2014 | 19 |

## Russian Map - Slice A



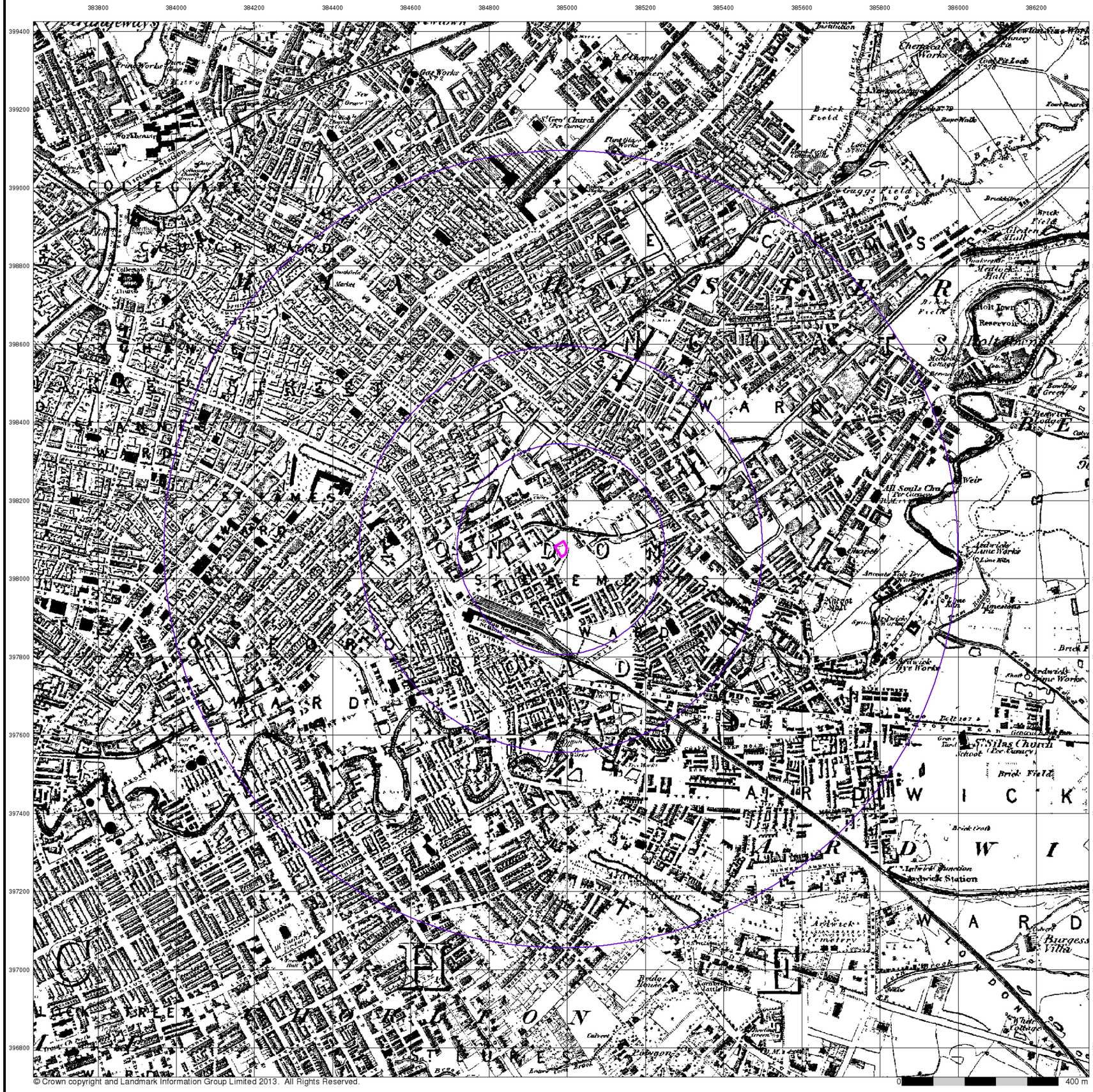

## Order Details

Order Number: 59513547_1_1
Customer Ref: PN143226
National Grid Reference: 384990, 398080
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

## Site Details

Site at 384980, 398080


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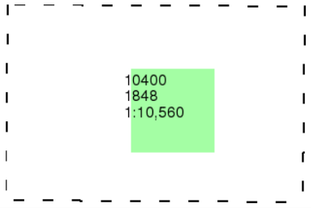
## Lancashire And Furness

## Published 1848

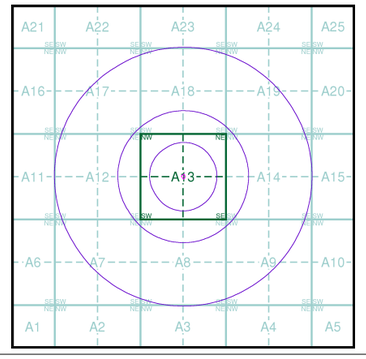
## Source map scale - 1:10,560

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

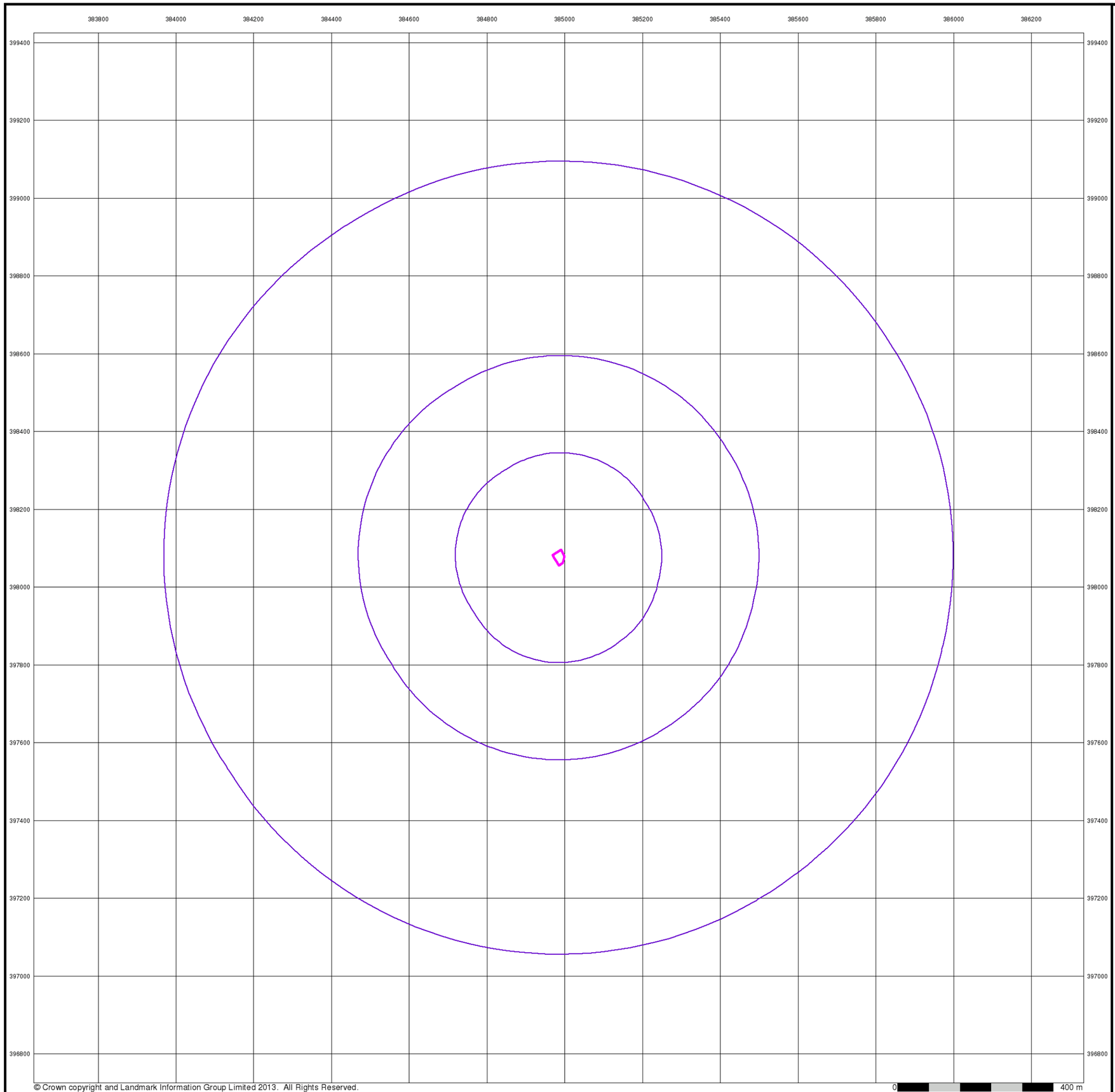
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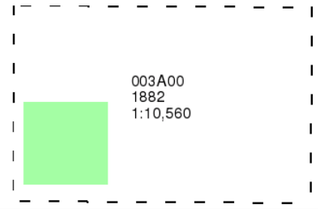
## Cheshire

## Published 1882

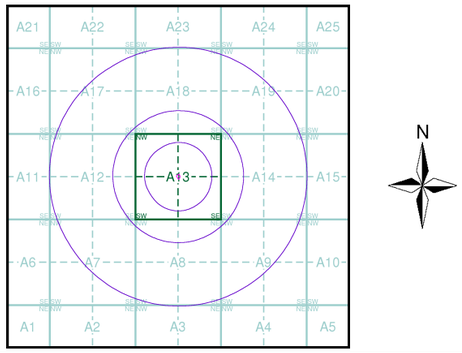
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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

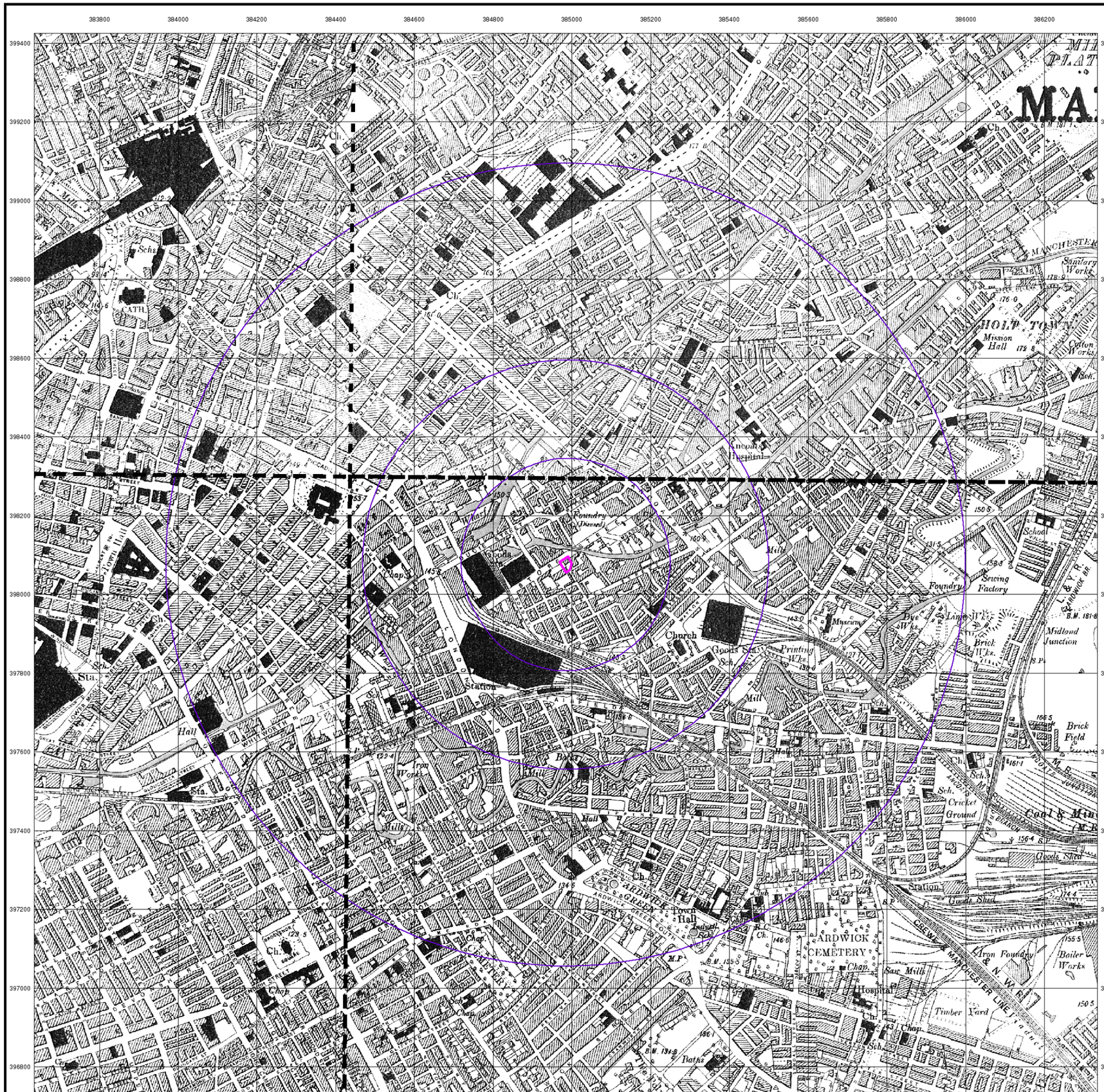
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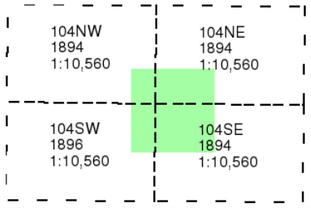
## Lancashire And Furness

### Published 1894 - 1896

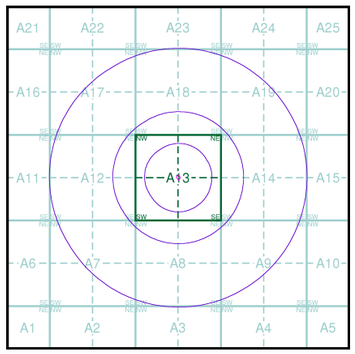
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## Map Name(s) and Date(s)




## Historical Map - Slice A




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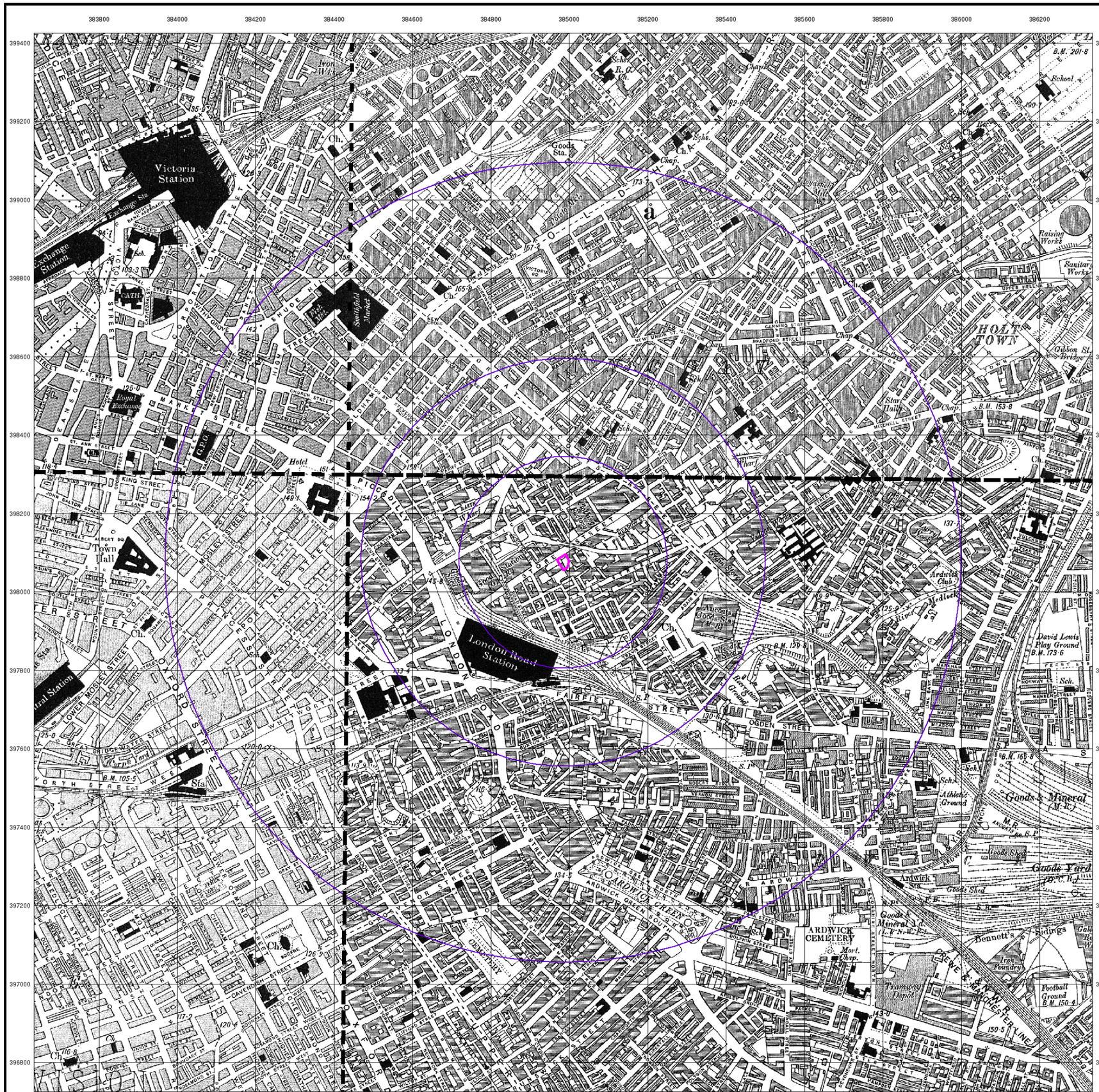
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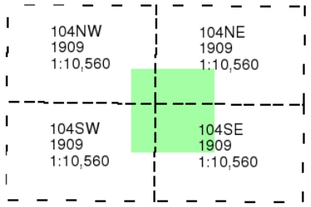
## Lancashire And Furness

## Published 1909

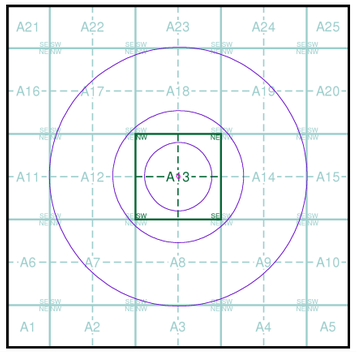
## Source map scale - 1:10,560

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




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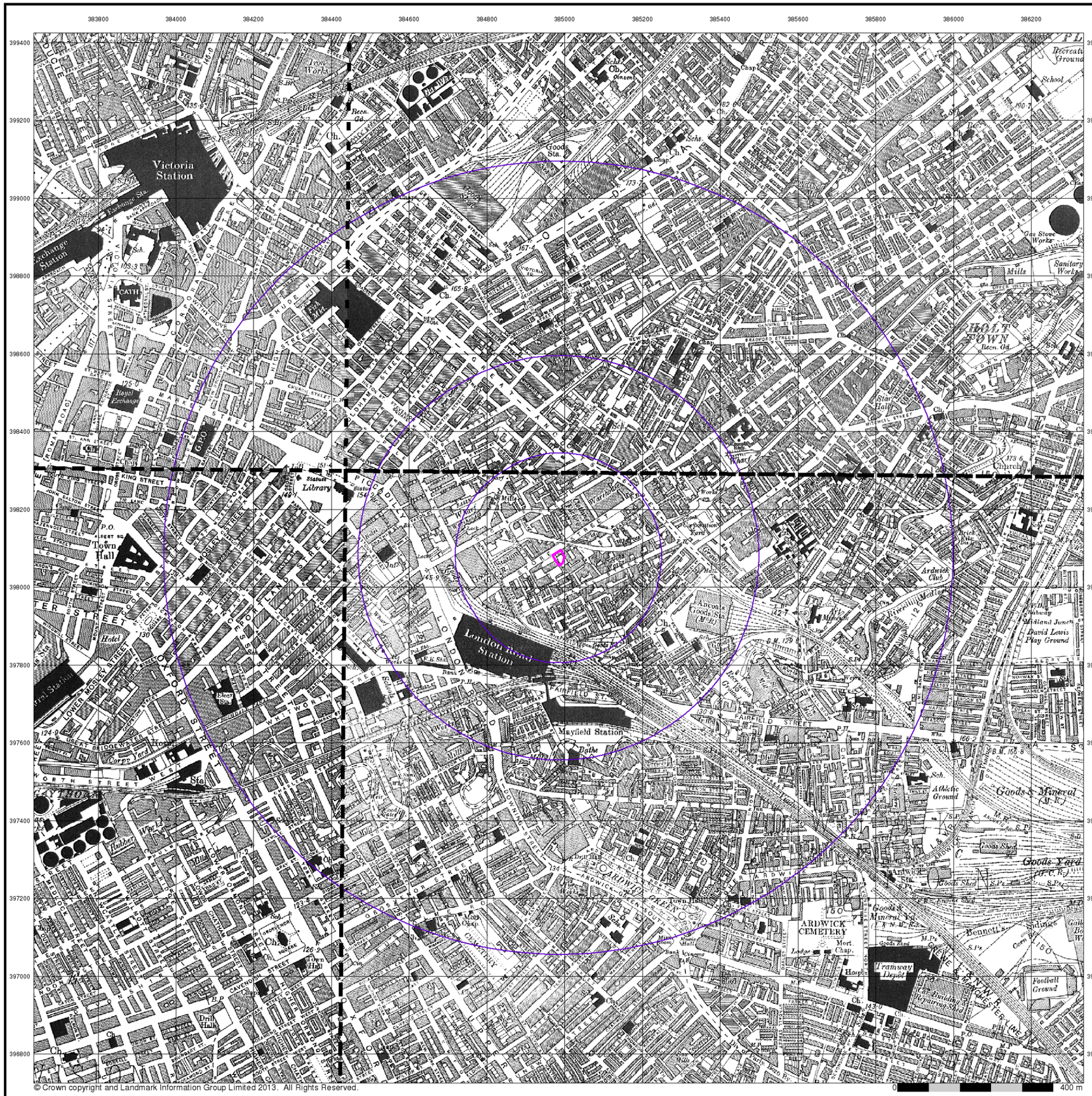
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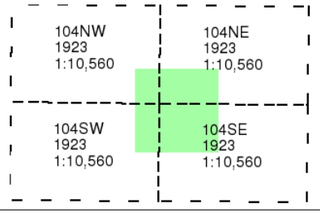
## Lancashire And Furness

## Published 1923

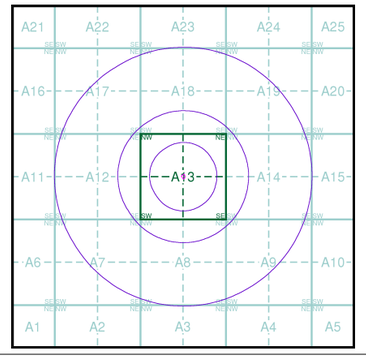
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## Map Name(s) and Date(s)




## Historical Map - Slice A




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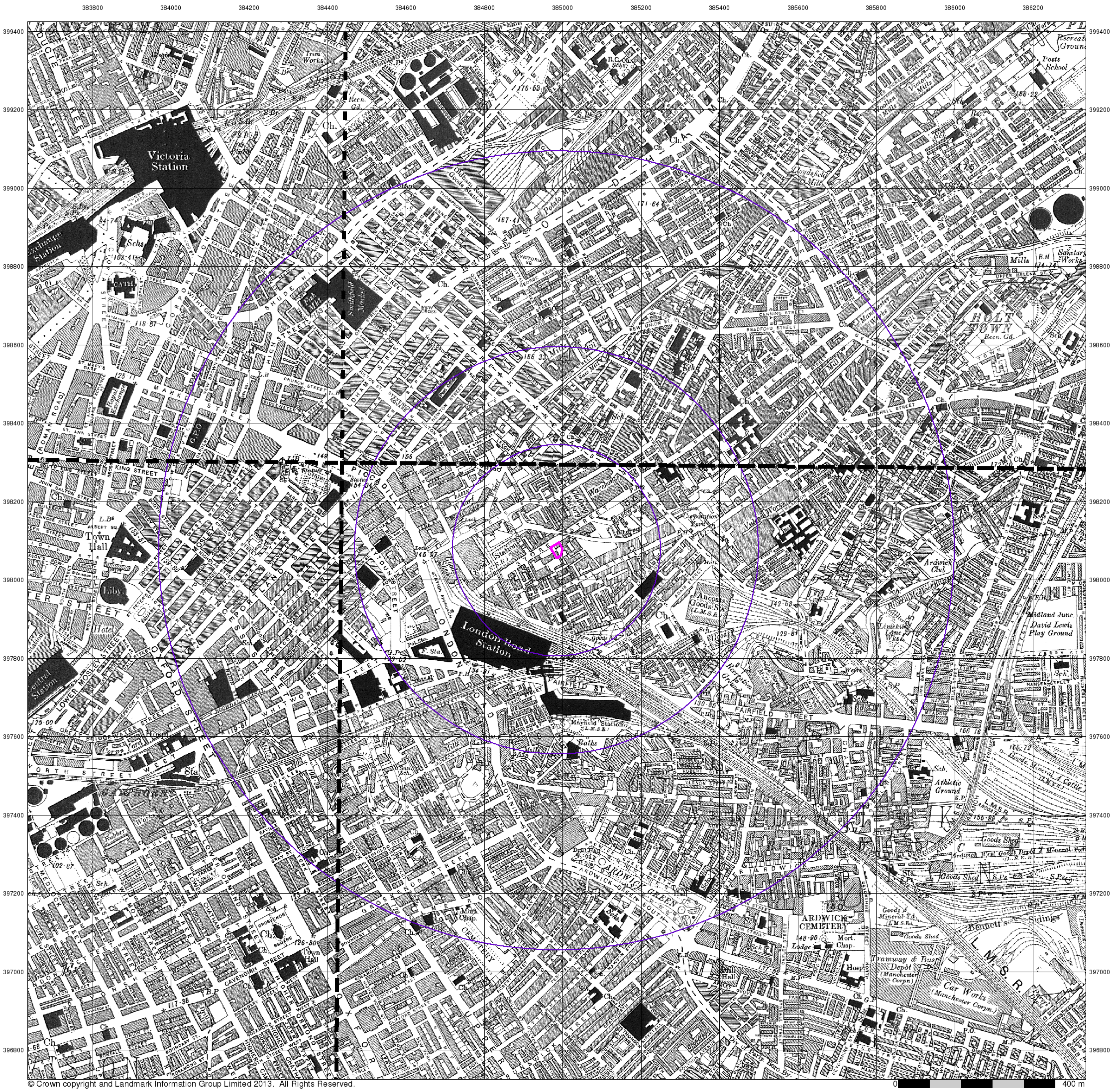
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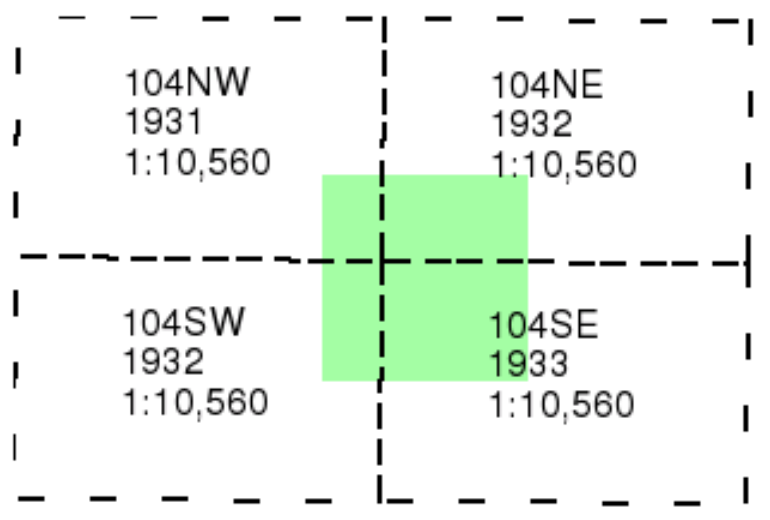
## Lancashire And Furness

## Published 1931 - 1933

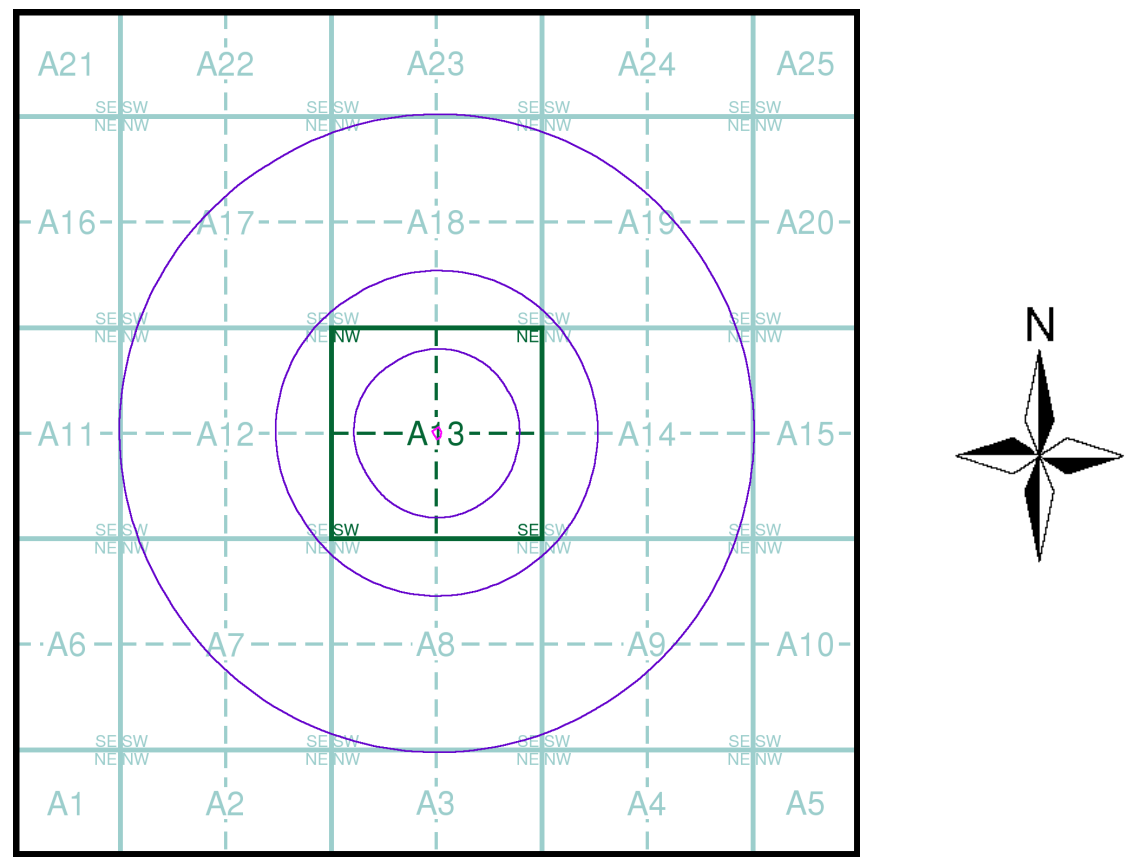
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## Map Name(s) and Date(s)




## Historical Map - Slice A




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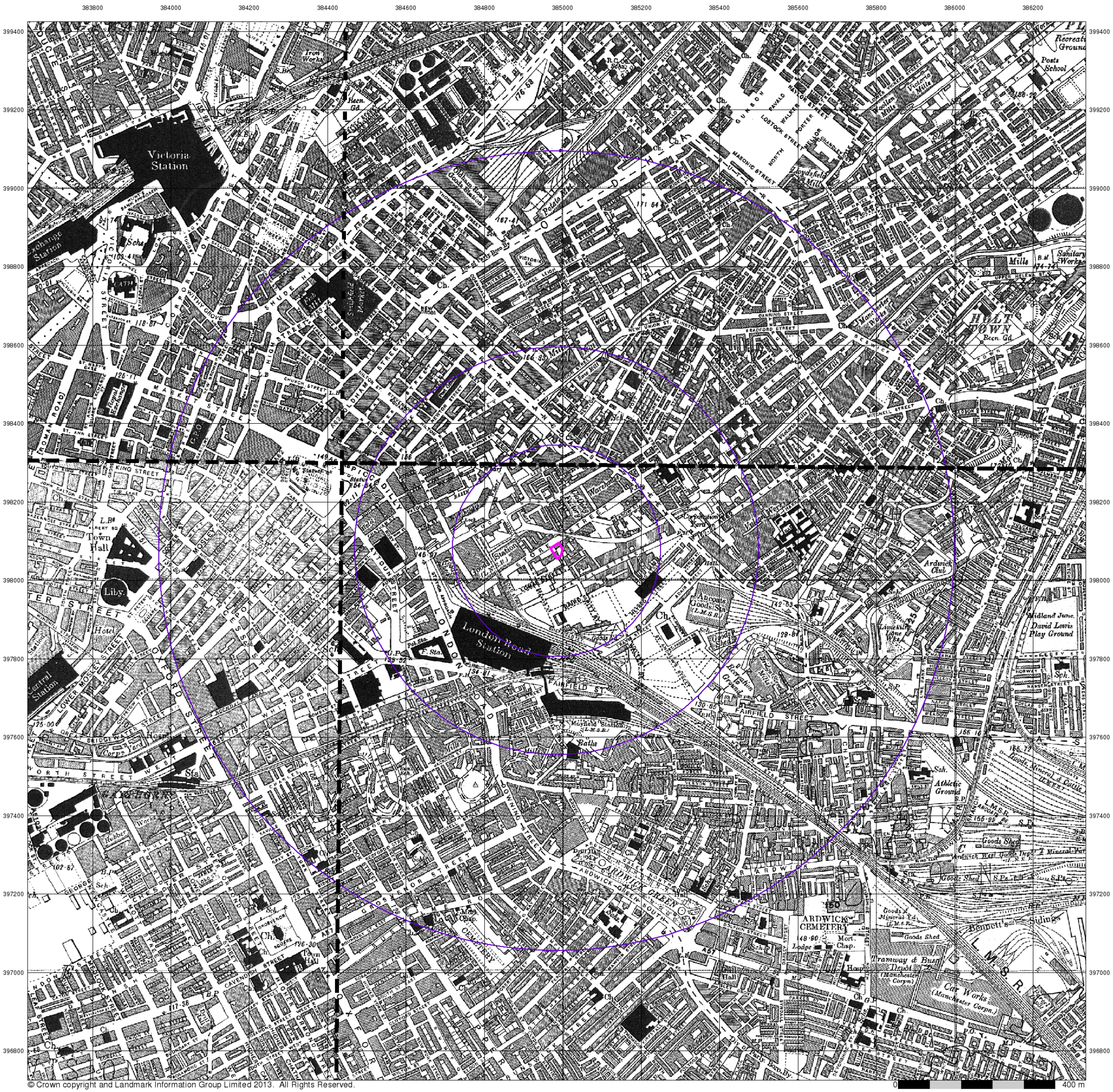
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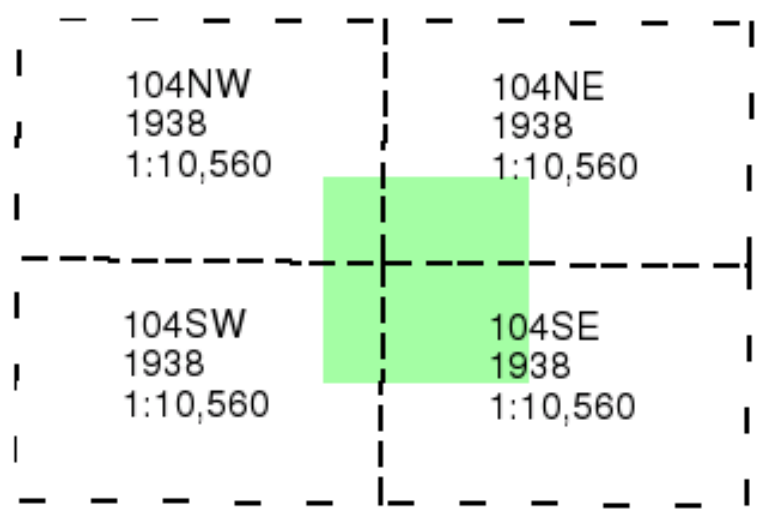
## Lancashire And Furness

## Published 1938

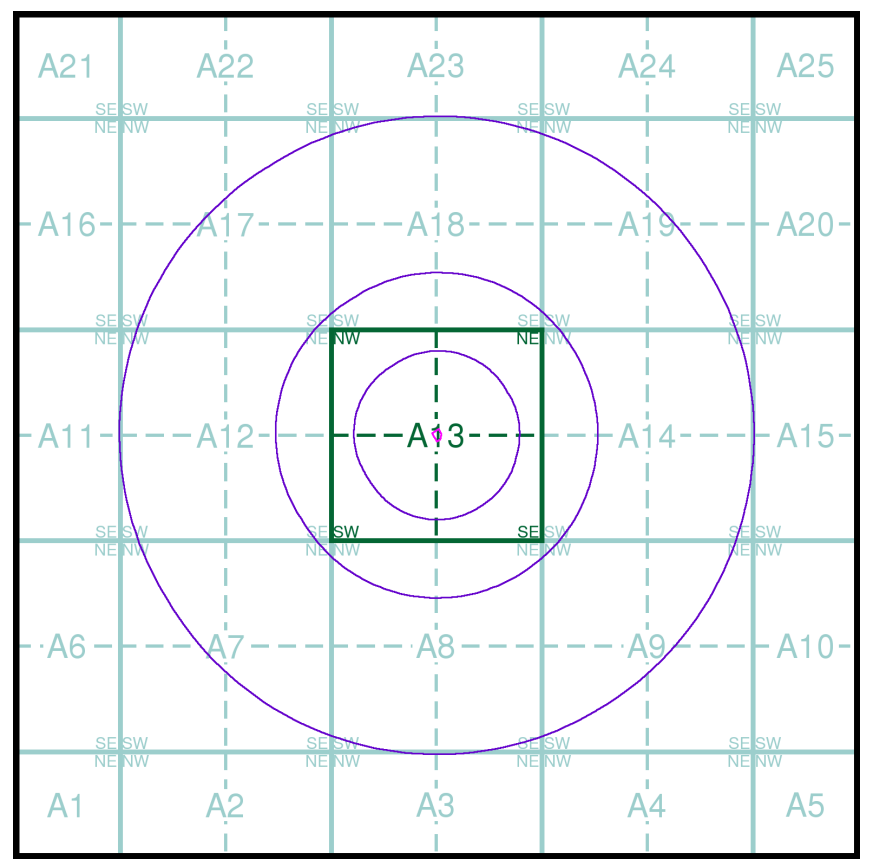
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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




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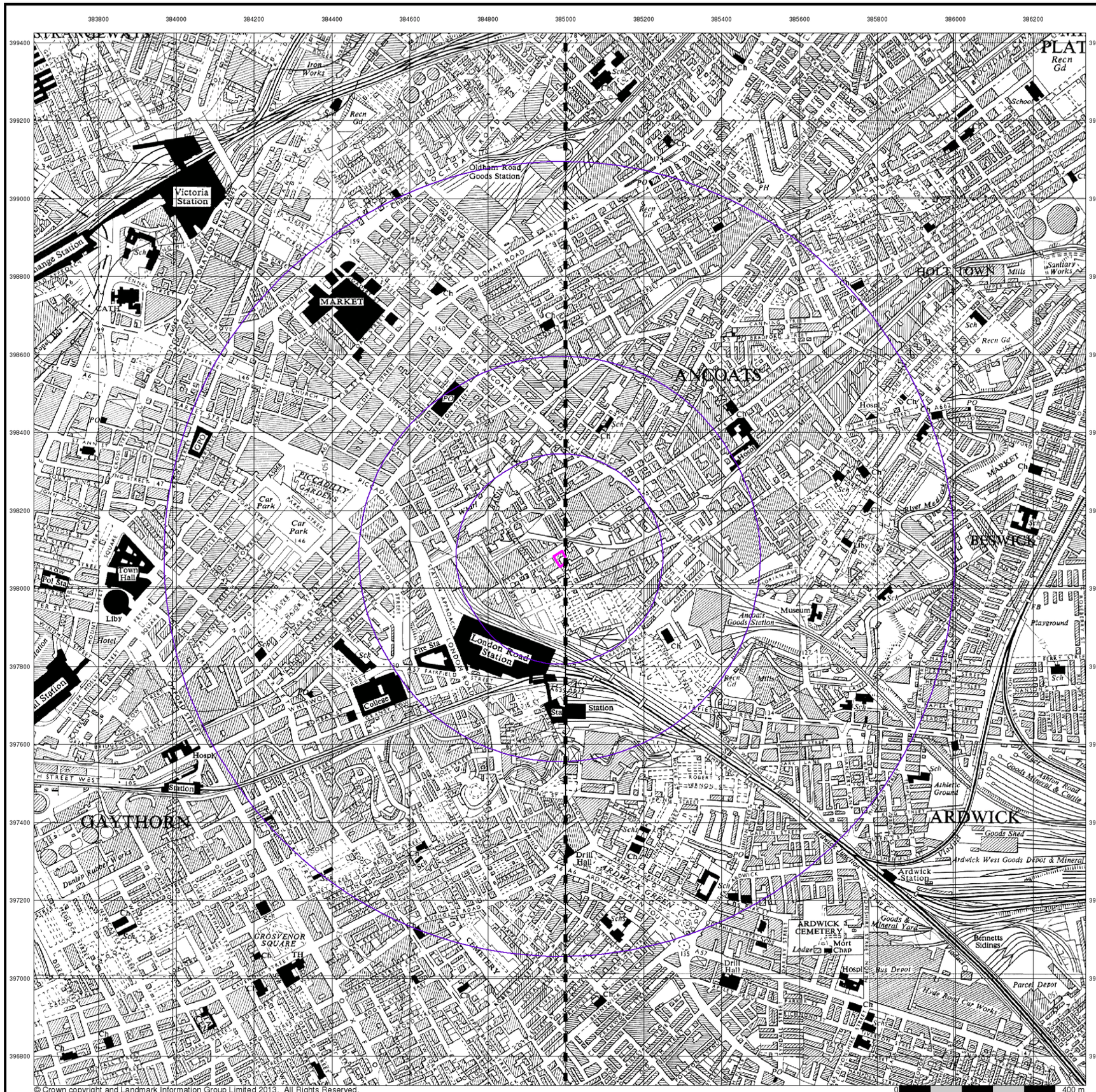
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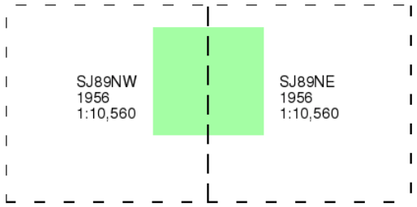
## Ordnance Survey Plan

## Published 1956

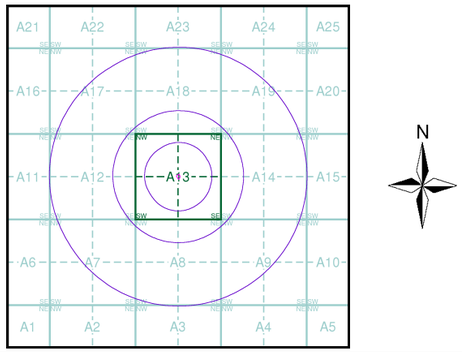
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## Map Name(s) and Date(s)




## Historical Map - Slice A




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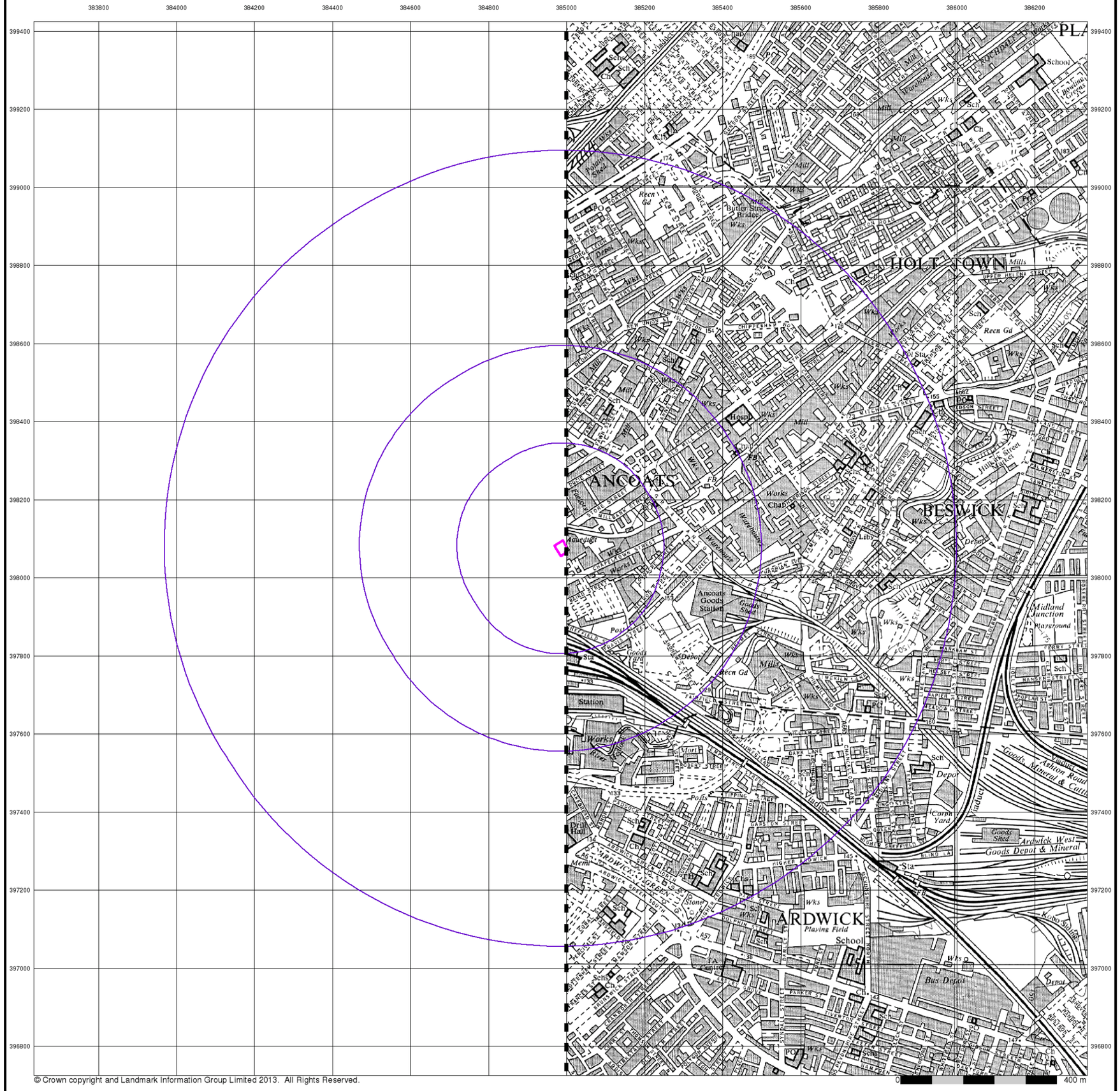
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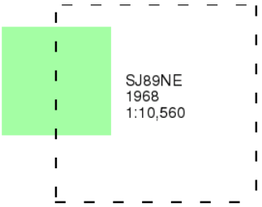
## Ordnance Survey Plan

### Published 1968

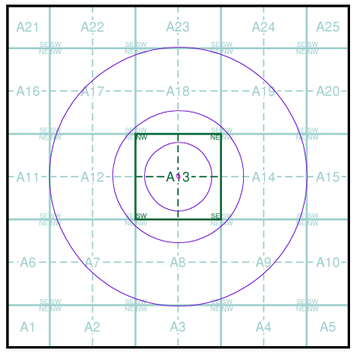
### Source map scale - 1:10,000

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)




## Historical Map - Slice A



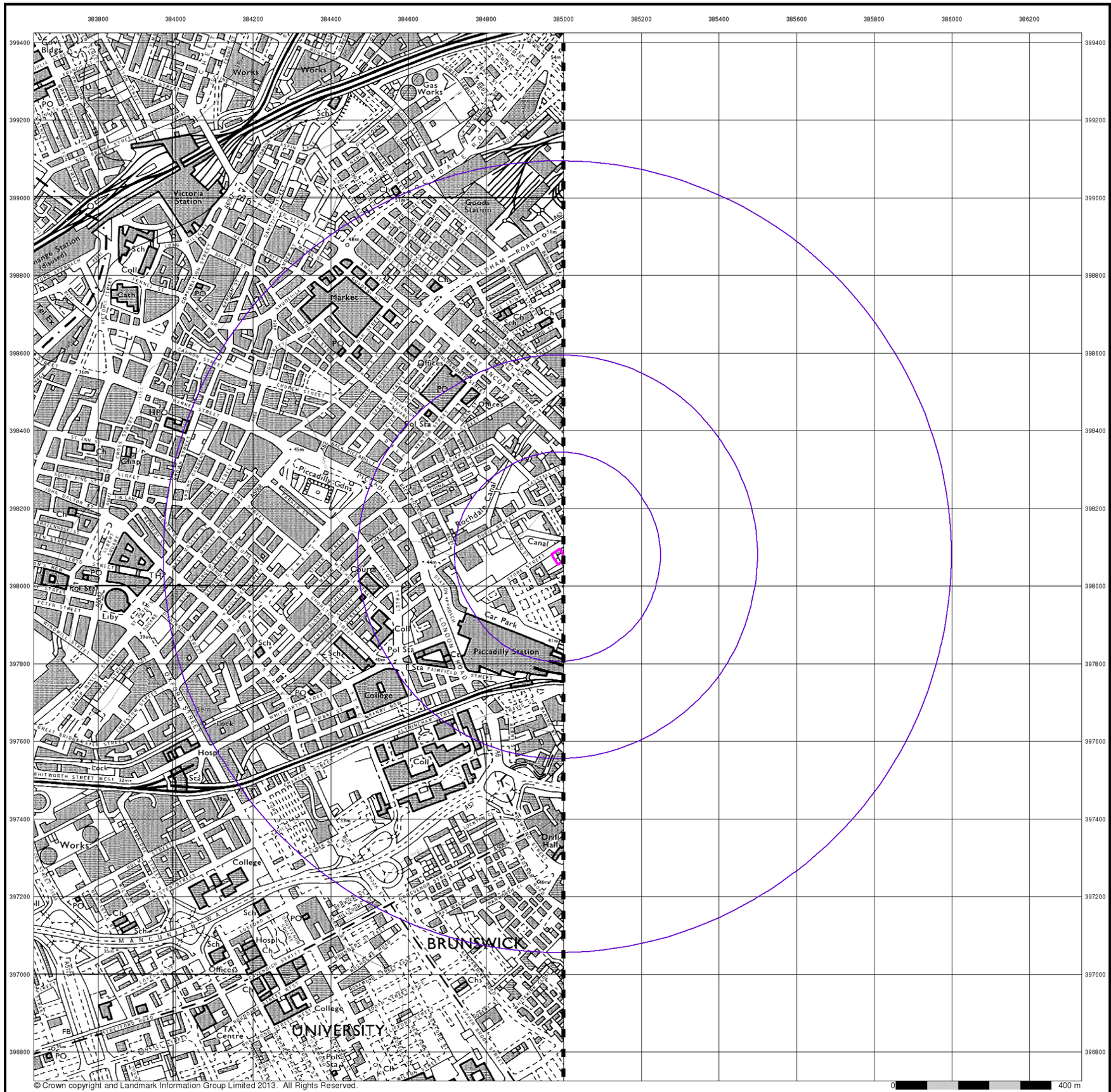

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| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Slice: | A |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

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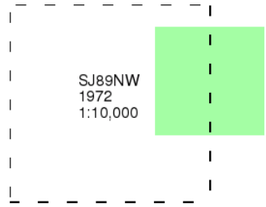
## Ordnance Survey Plan

### Published 1972

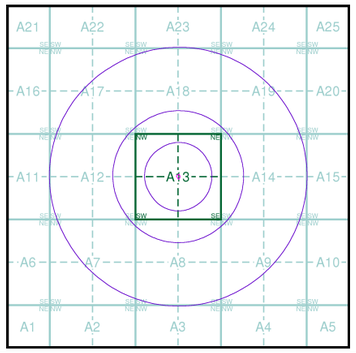
### Source map scale - 1:10,000

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




## Historical Map - Slice A




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## Manchester

## Published 1975

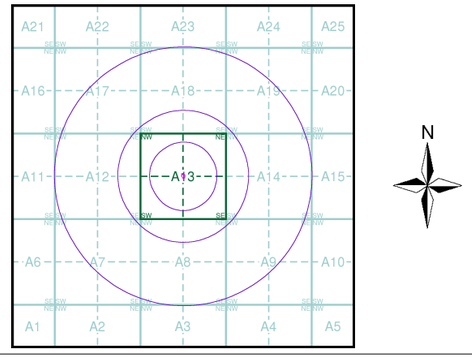
## Source map scale - 1:25,000

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



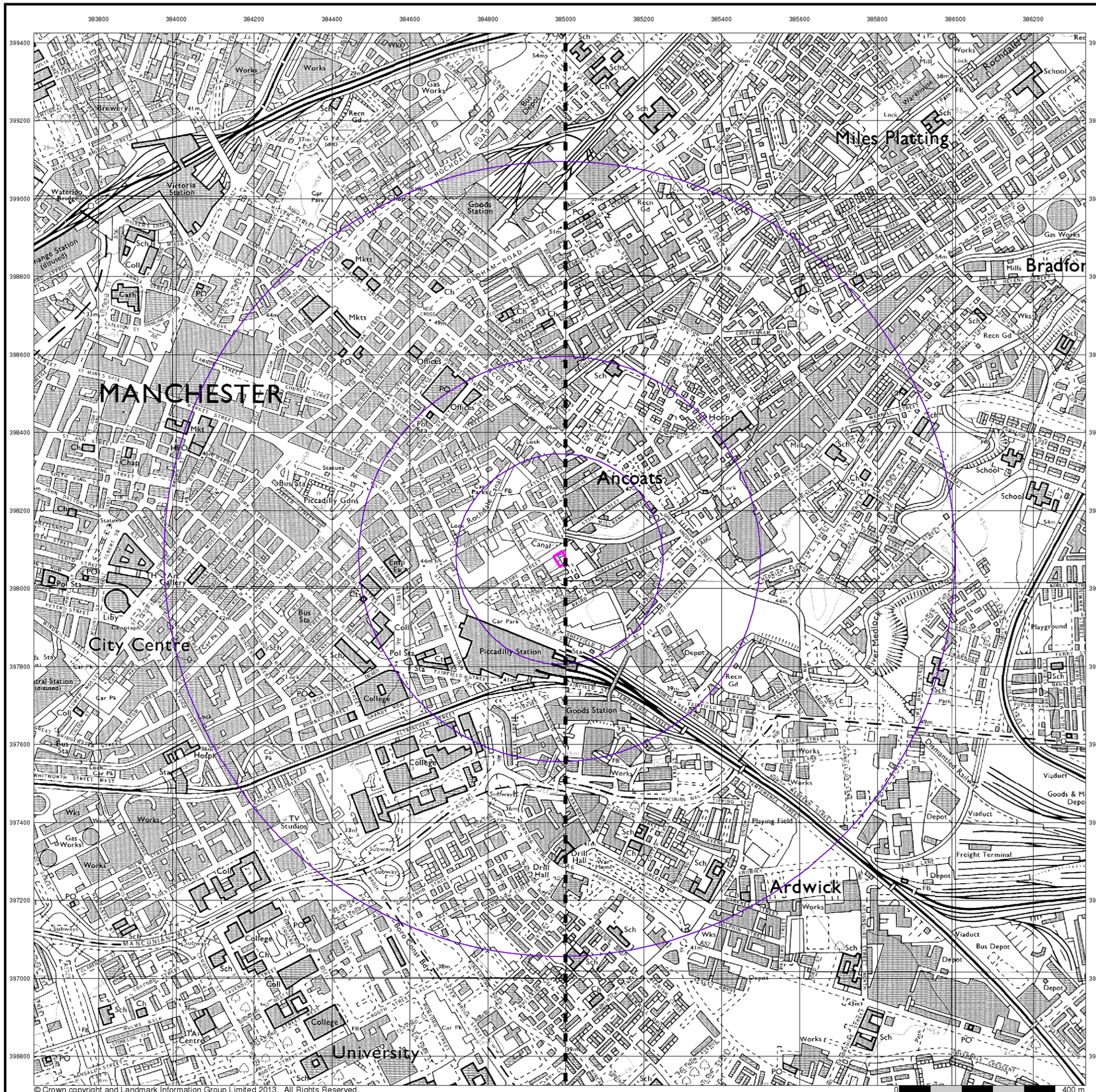

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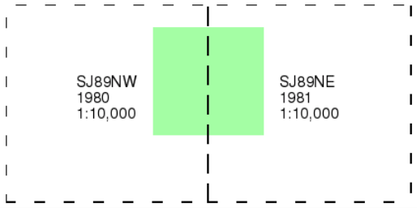
## Ordnance Survey Plan

**Published 1980 - 1981**

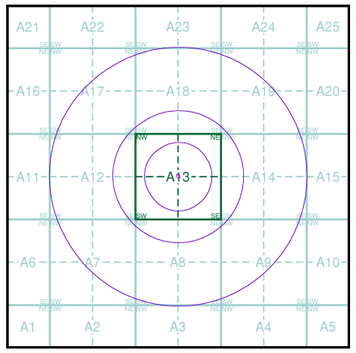
**Source map scale - 1:10,000**

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




## Historical Map - Slice A




## Order Details

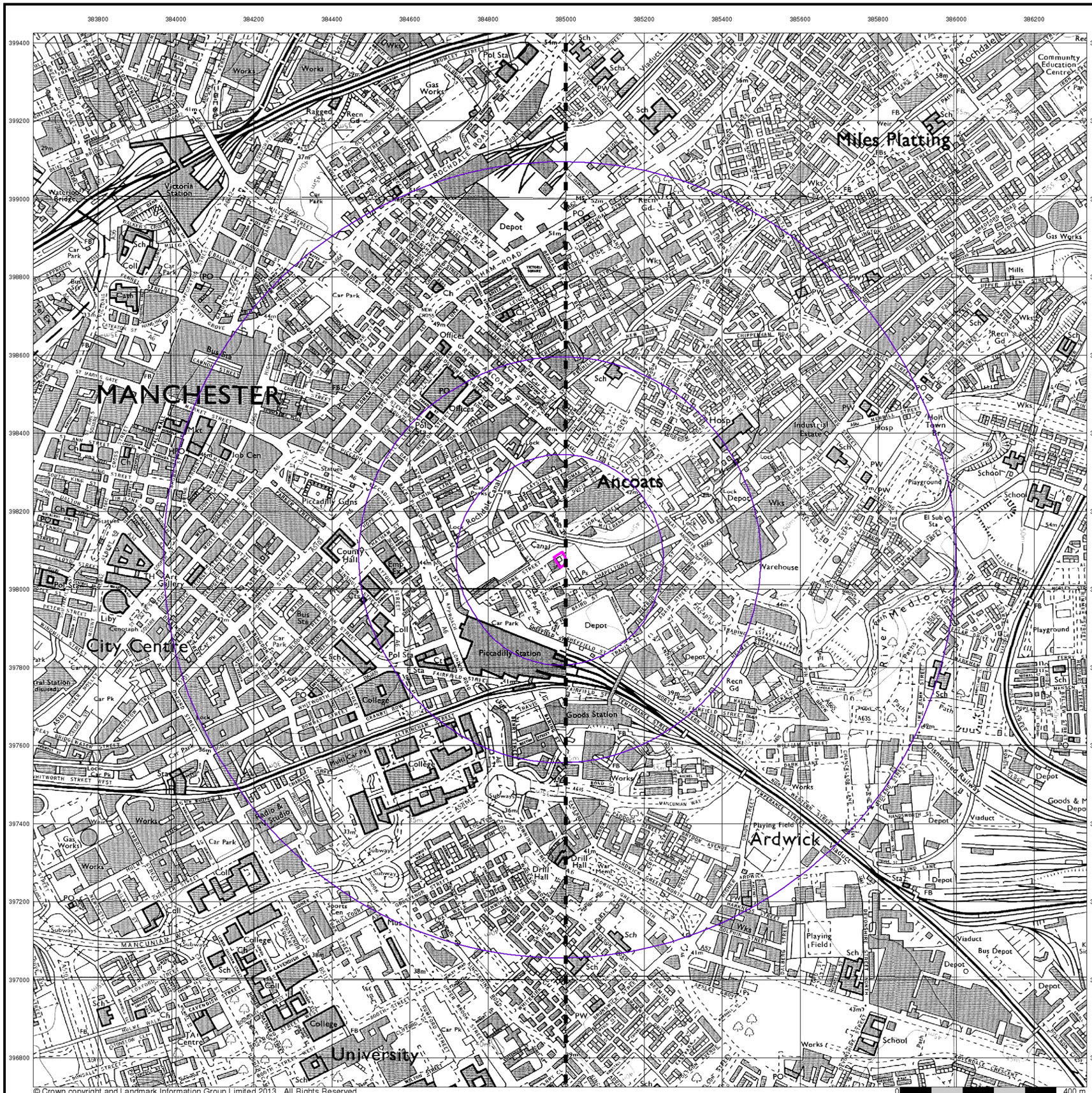
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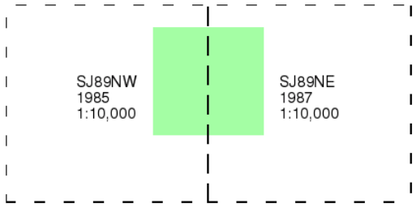
## Ordnance Survey Plan

## Published 1985 - 1987

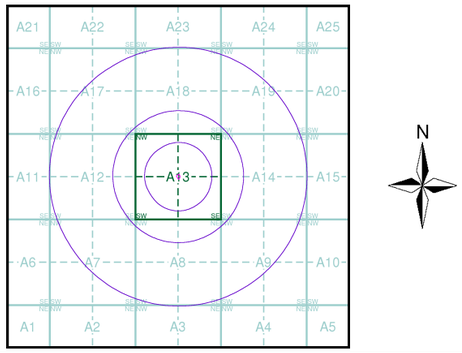
## Source map scale - 1:10,000

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)




## Historical Map - Slice A




## Order Details

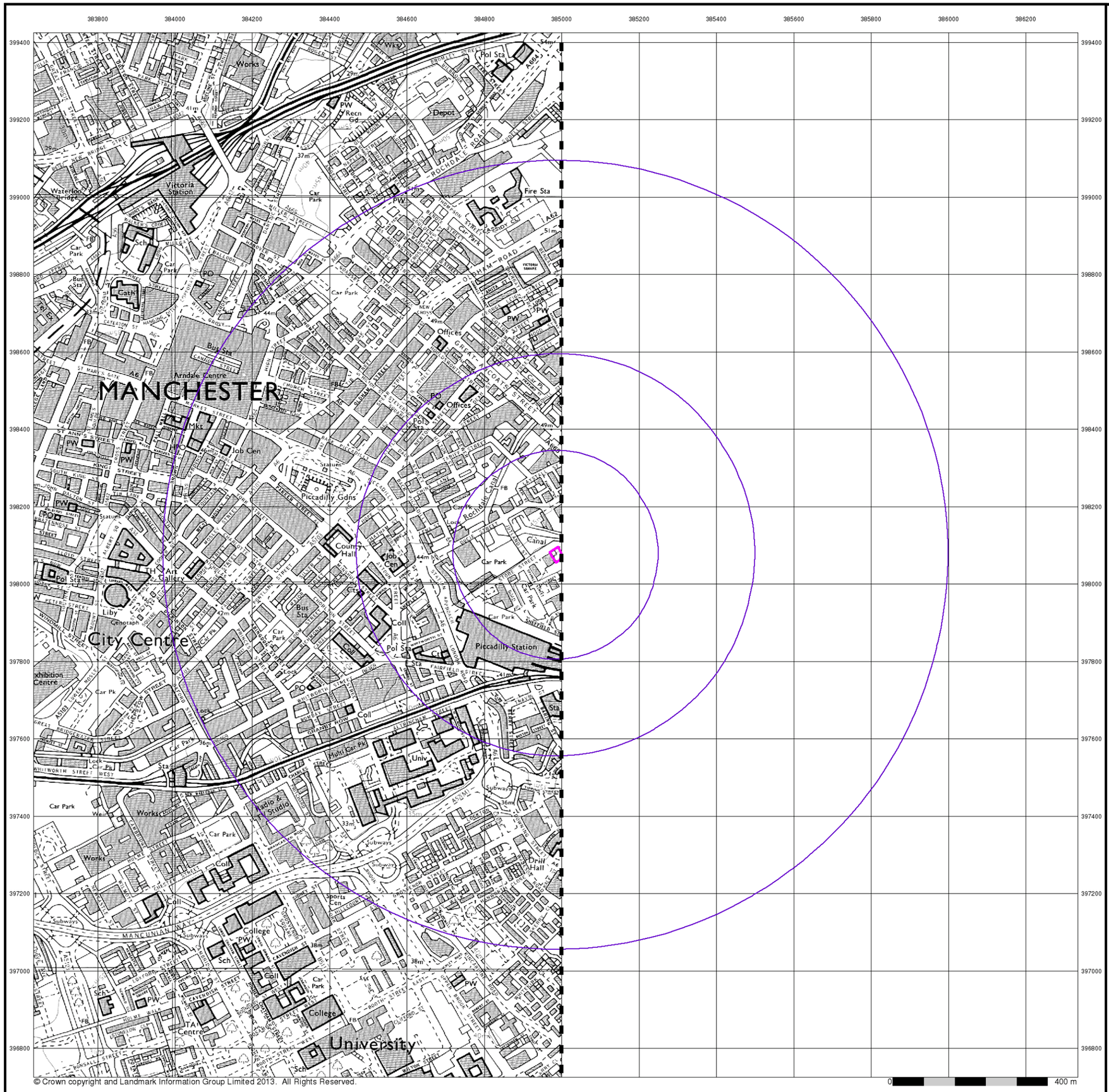
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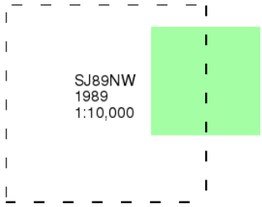
## Ordnance Survey Plan

### Published 1989

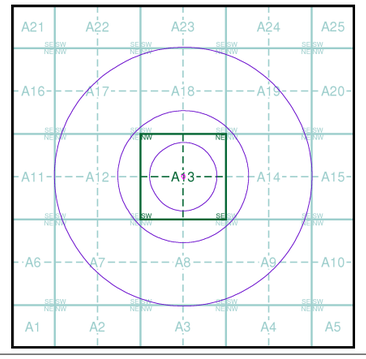
### Source map scale - 1:10,000

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)




## Historical Map - Slice A



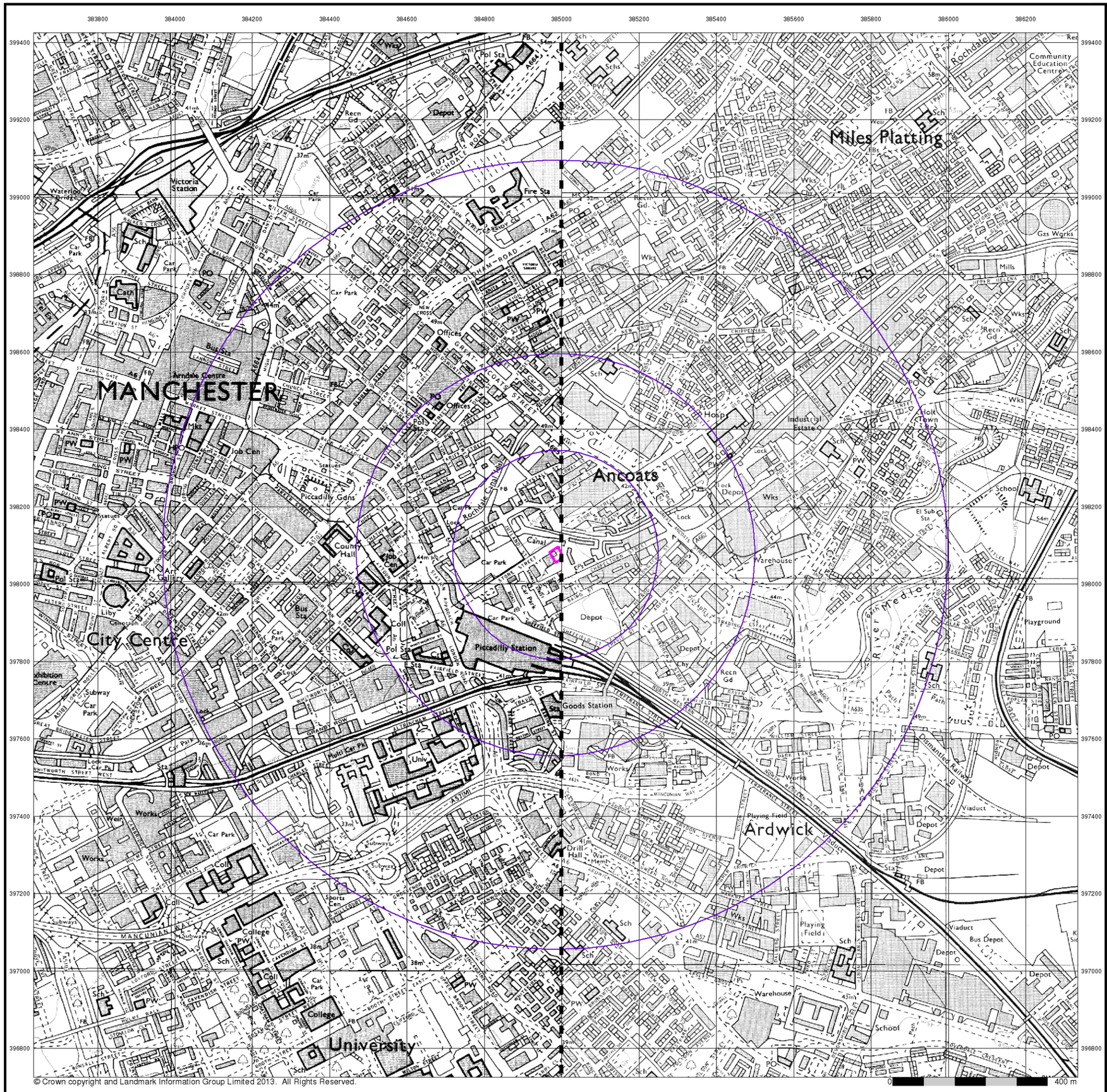

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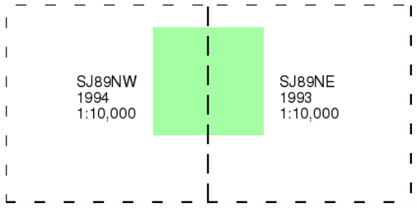
## Ordnance Survey Plan

**Published 1993 - 1994**

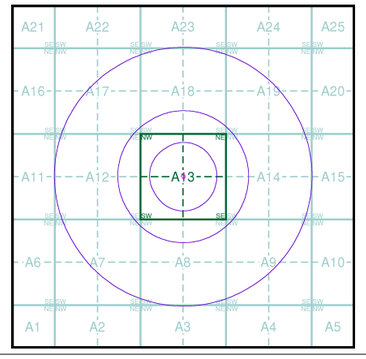
**Source map scale - 1:10,000**

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)




## Historical Map - Slice A




## Order Details

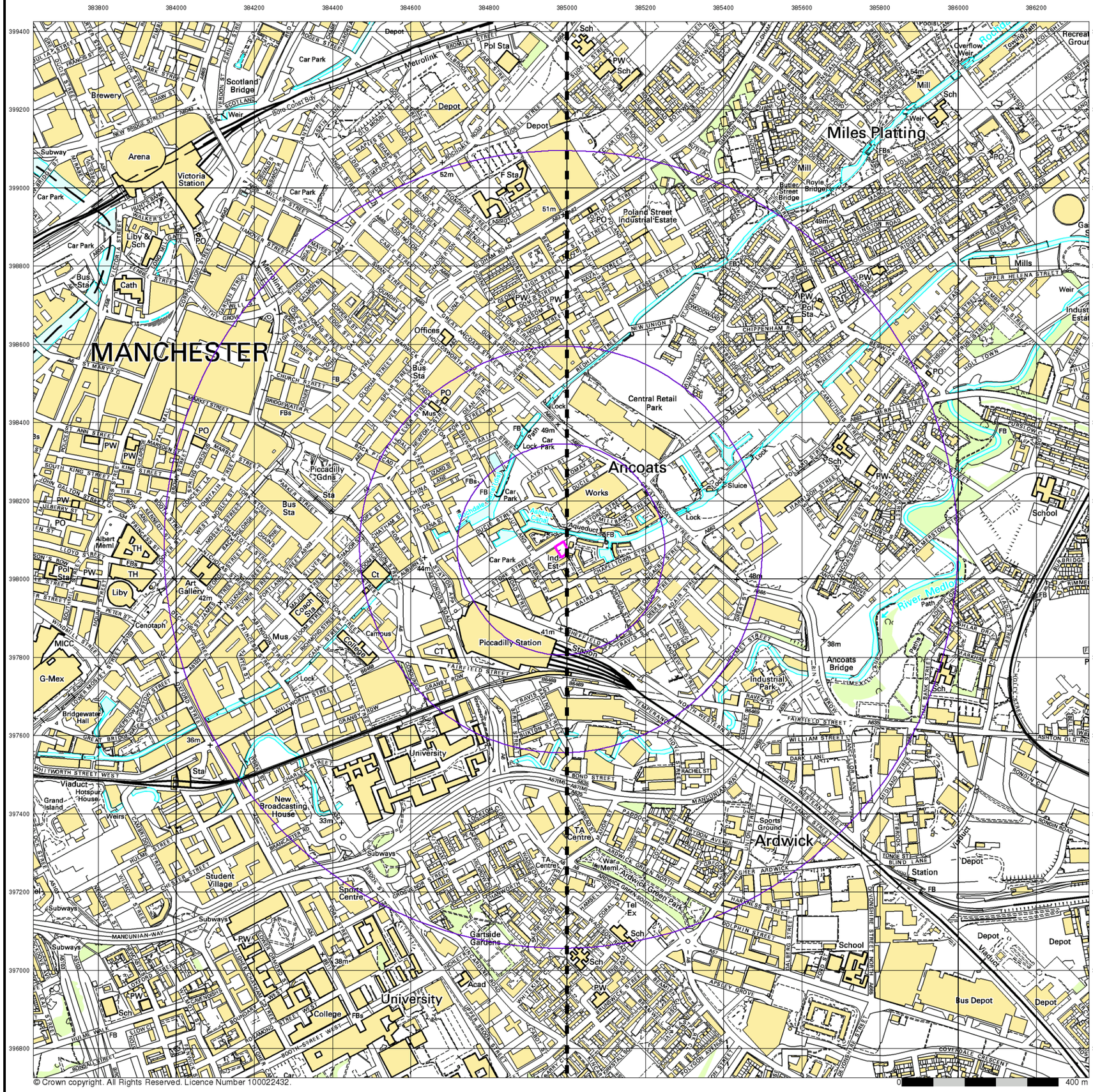
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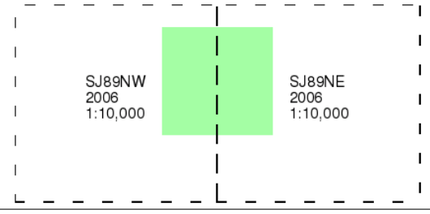
## 10k Raster Mapping

**Published 2006**

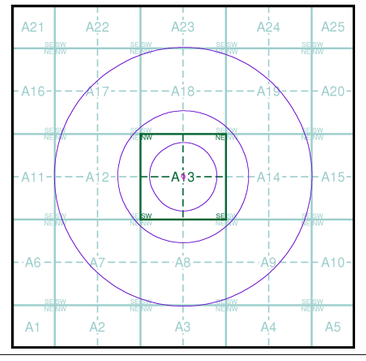
**Source map scale - 1:10,000**

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)




## Historical Map - Slice A




## Order Details

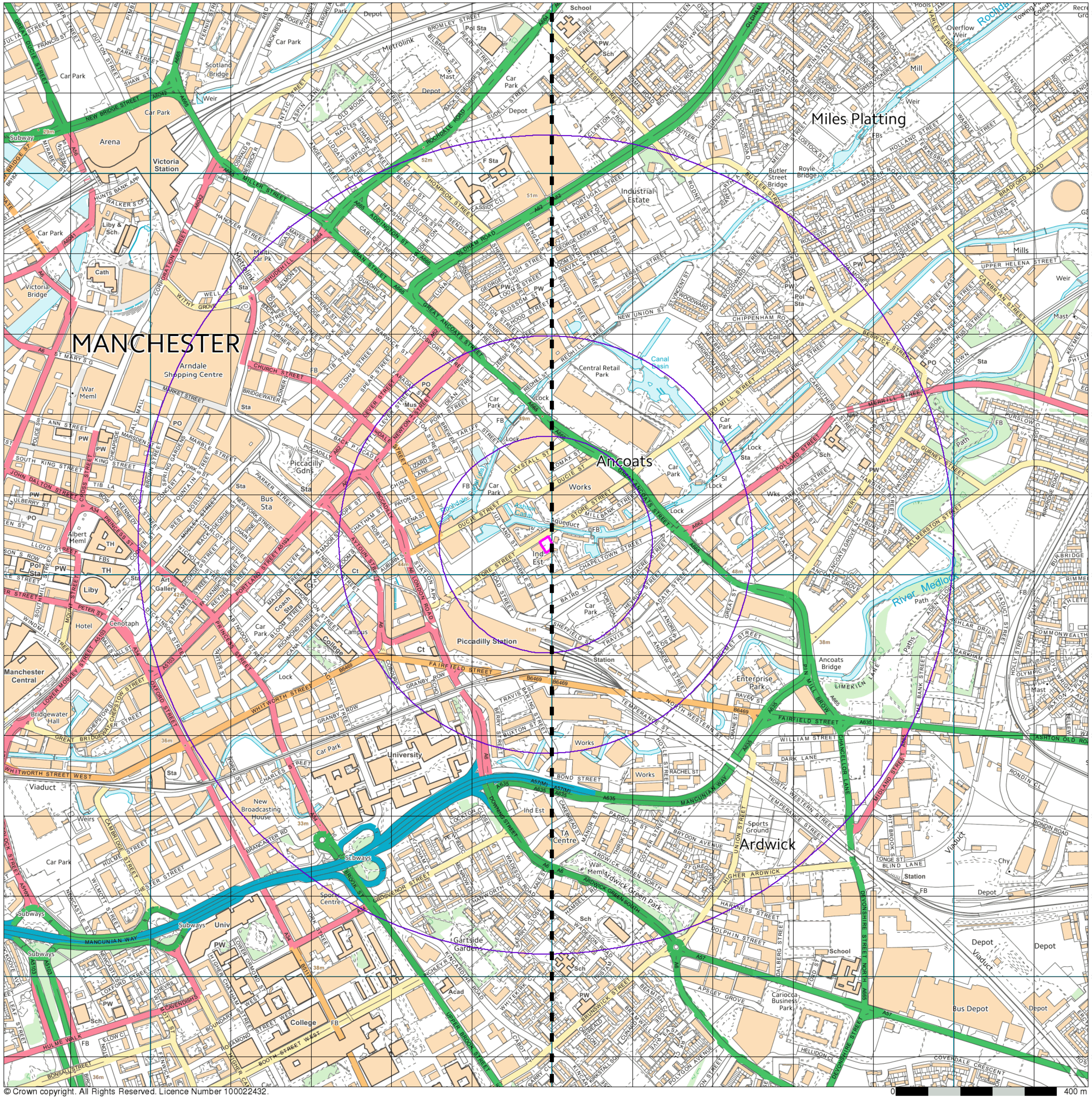
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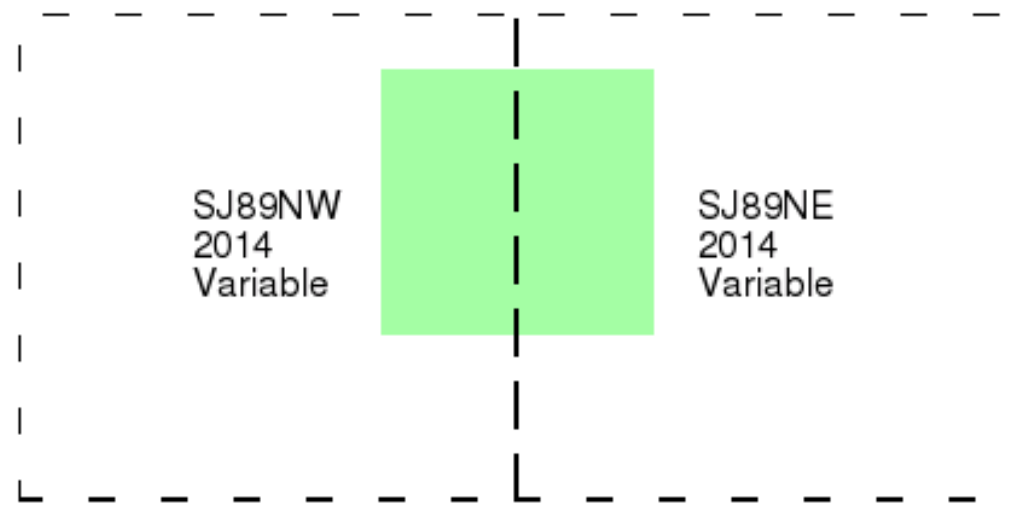
## VectorMap Local

## Published 2014

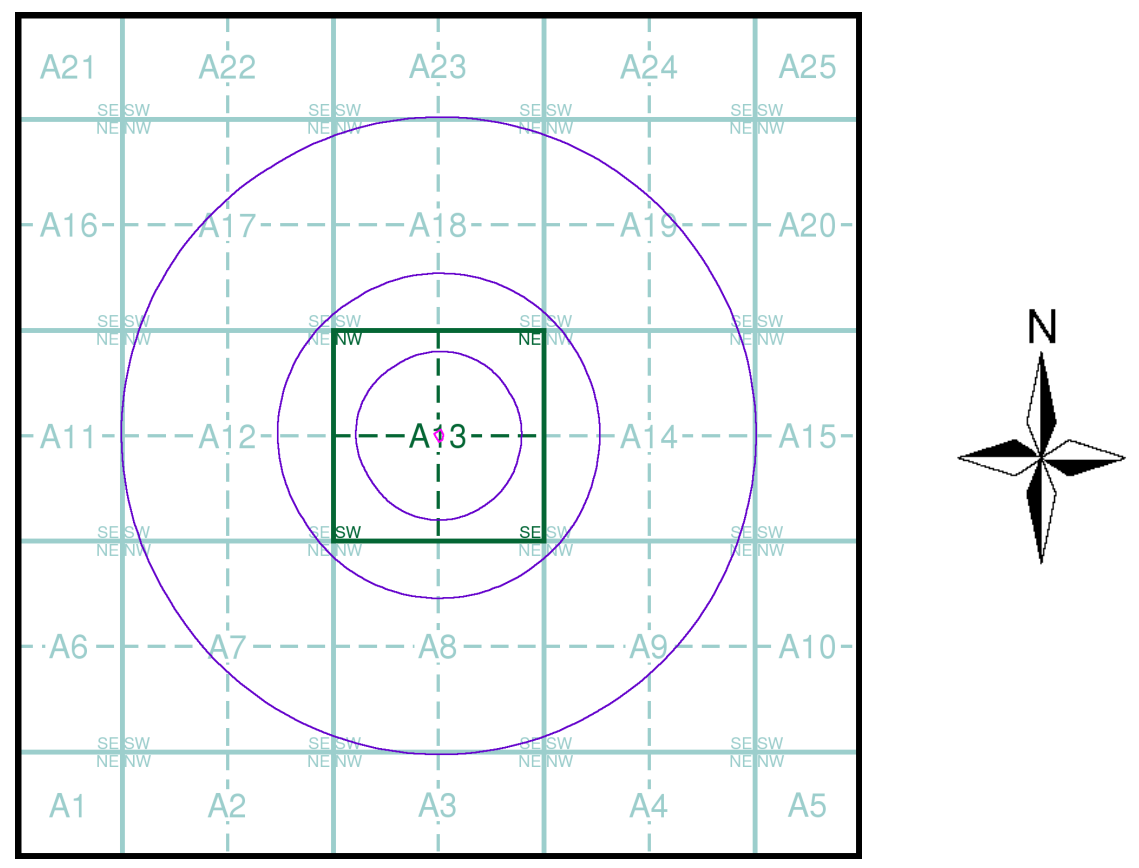
## Source map scale - 1:10,000

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)




## Historical Map - Slice A




## Order Details

Order Number: 59513547_1_1
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Slice: A
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# EXPLANATION OF SIGNS

USED ON

# INSURANCE PLANS OF TOWNS & CITIES

56 CROUCH HILL LONDON N.4.

## ABBREVIATIONS

ASB. ASBESTOS
CORR CORRUGATED IRON
D.I.D. DOUBLE IRON DOORS
*DRA.* DRAPERY
*D* DWELLING
*ELECT.* ELECTRICIAN
*(E.M.)* ELECTRIC MOTORS
*(ENG.)* STEAM ENGINE
*FURNE.* FURNITURE
*GAR* GARAGE
*(G.E.)* GAS ENGINE
*H.W.* HARDWARE
I.COLS. IRON COLUMNS OR STEEL STANCHIONS
*JWLY.* JEWELLERY
M.CL. METAL CLAD
*M.W.* MANCHESTER WAREHOUSE
*m.l.* MATCH (OR WOOD) LINED
*OIL* OIL & COLOR
*(O.E.)* OIL ENGINE
*P.H.* PUBLIC HOUSE
*S.* SHOP
S.I.D. SINGLE IRON DOORS
S.I.S. SINGLE IRON SHUTTERS
*TAI.* TAILORS
*TENS.* TENEMENTS
W.G. WIRED GLASS
W.N. WIRE NETTING OVER GLASS.

## COLORS

BRICK, STONE OR CONCRETE
WOOD
AREAS CLEARED DUE TO ENEMY ACTION
SKYLIGHTS ON 1 & 2 STORY BUILDINGS
SKYLIGHTS ON HIGHER BUILDINGS
METAL BUILDINGS.
TIMBER PILED OR STACKED

## WALLS

PARTY WALL 2 STORIES OR OVER, A PROBABLE FIRE CUT OFF
ENTIRE WALL, BUT DOUBTFUL AS FIRE CUT OFF
DEFECTIVE WALL – IMPERFECT
WALL ABOVE, IRON COLS: UNDER
WALL SOME FLOORS ONLY (OR WOOD OR PLASTER PARTITION)
ABOVE ROOF 6" TO 1'-6"
—Dº— 1'-6" TO 2'-6"
MATCH OR WOOD LINED
WOOD CLAD WITH CORRUGATED IRON

## OPENINGS

PASSAGE UNDER
ON ALL FLOORS
SOME FLOORS ONLY } UNPROTECTED
ALL FLOORS (PROTECTED)
ALL FLOORS (SOME PROTECTED) } SINGLE IRON DOORS
SOME FLOORS ONLY (PROTECTED)
ALL FLOORS (SOME PROTECTED)
ALL FLOORS (PROTECTED) } DOUBLE IRON DOORS
SOME FLOORS ONLY (PROTECTED)
WOOD LOADING DOOR
IRON LOADING DOOR

## WINDOWS

ON ALL OR MOST FLOORS
MORE THAN USUAL
OVERLOOKING } UNPROTECTED
NEARLY ALL GLASS
OPENINGS THRO' & WINDOWS OVER
ON SOME FLOORS ONLY
PROTECTED BY WIRED GLASS
PROTECTED BY SINGLE IRON SHUTTERS
PROTECTED BY DOUBLE IRON SHUTTERS.
WINDOWS IN FRONT & REAR OF BUILDINGS UNDERSTOOD UNLESS OTHERWISE SHOWN

## FLOORS

*1.2.3. 3½* &c. ON BUILDINGS ARE NUMBER OF STORIES ABOVE GROUND (3½=3 FLOORS & ATTIC)
*2&2B* MEANS 2 STORIES & 2 BASEMENTS BAST & SUB-BASEMENT.

## SKYLIGHTS

^ LESS THAN 50 SQUARE FEET (SAY 10'x5', OR 7'x7')
≙ OPENINGS THROUGH 2 FLOORS UNDER (EACH STROKE DENOTES AN OPENING.)
WITH WELL HOLE THROUGH 3 FLOORS.
LANT. LANTERN LIGHT, SIDES ONLY GLASS.
OR VENT. OR RAISED VENTILATOR
} OVER 50 SQ: FT. TO SCALE

## HOISTS & LIFTS

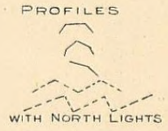
[H] OPEN
[H] OPEN TO STREET
[H] OPEN (WOOD FLAPS TO FLOORS.)
[H] ENCLOSED BRICK OR FIRE RESISTING WIRED GLASS DOORS
[H] ENCLOSED WOOD OR PLASTER

IRON DOORS SHOWN AS EXPLAINED UNDER "OPENINGS"

## ROOFS

ASB ASBESTOS
C CONCRETE
CORR: CORRUGATED IRON
┐ METAL
P PATENT (FELT &c.)
O SLATE
T TILE

PROFILES




## SUNDRIES

STEAM BOILERS
—"— BOILER SET IN BRICK
FACTORY CHIMNEYS
*(ENG.)* STEAM ENGINE
OVERHANGING WOOD CORNICE
FIRE ALARM BOX
—— Dº —— ON KEY PLAN
HYDRANT
HYDRAULIC HYDRANT
PRIVATE HYDRANT OR STAND PIPE
DOUBLE HYDRANT
SALT WATER HYDRANT
SPRINKLER OR AUTO ALARM BELL

## REFERENCE NUMBERS

NUMBERS PARALLEL WITH STREET ARE EXISTING STREET Nºs
WHERE TWO SETS OF STREET Nºs IN SAME BLOCK COINCIDE, ADDITIONAL ARBITRARY Nºs ARE GIVEN TO ONE SET (500 & UPWARDS)

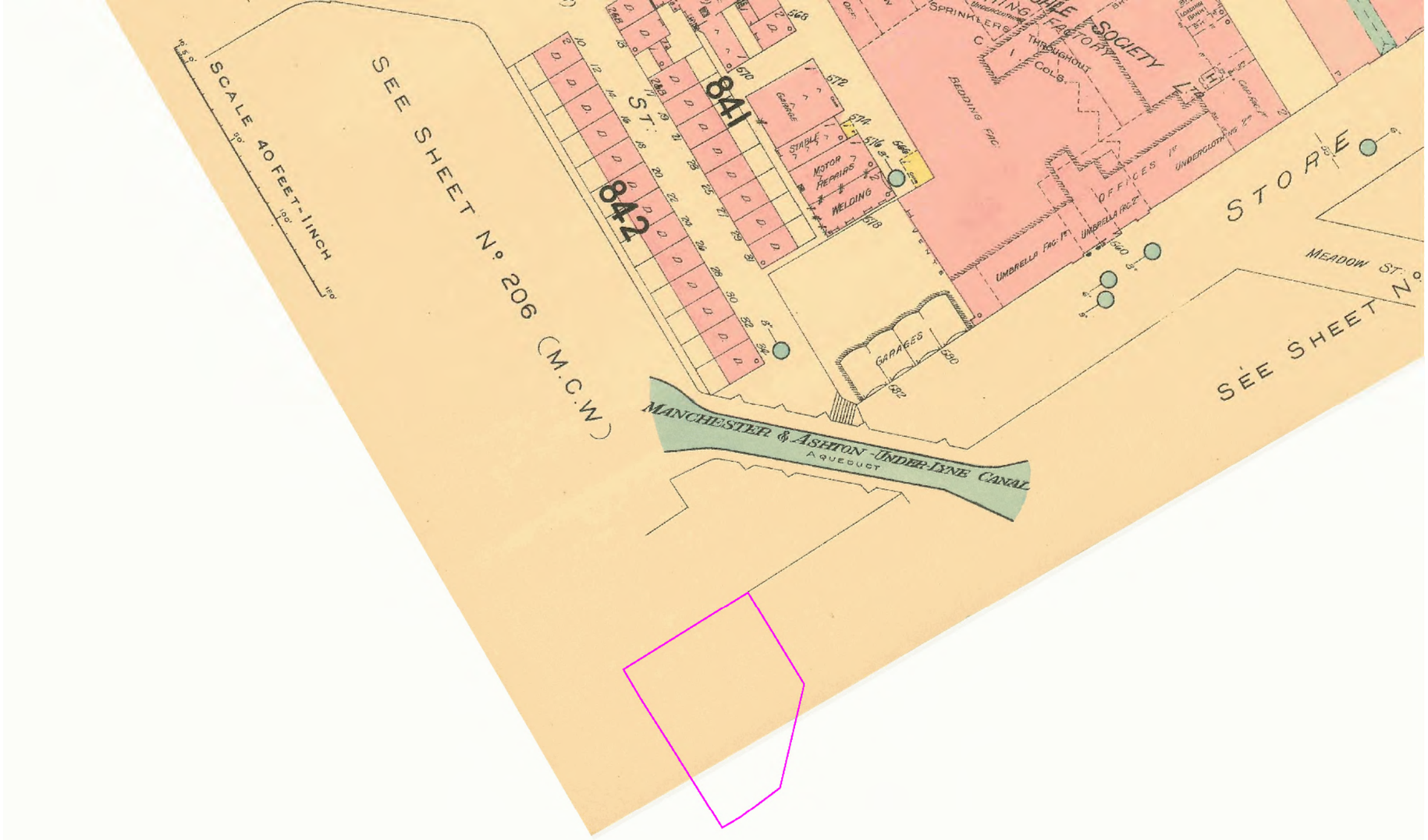
WHERE BUILDINGS TO WHICH THEY APPLIED ARE DEMOLISHED, STREET & ARBITRARY Nºs ARE SHOWN & CROSSED THROUGH ON REVISION

—48'— ARE STREET WIDTHS.
*(37')* ARE HEIGHTS OF GROUND ABOVE ORDNANCE DATUM

HEIGHT IN FEET OF ADJOINING BUILDINGS WHERE STORIES DIFFER IN HEIGHT

10" 6" 8" SIZES OF WATER MAINS SUPPLYING HYDRANTS

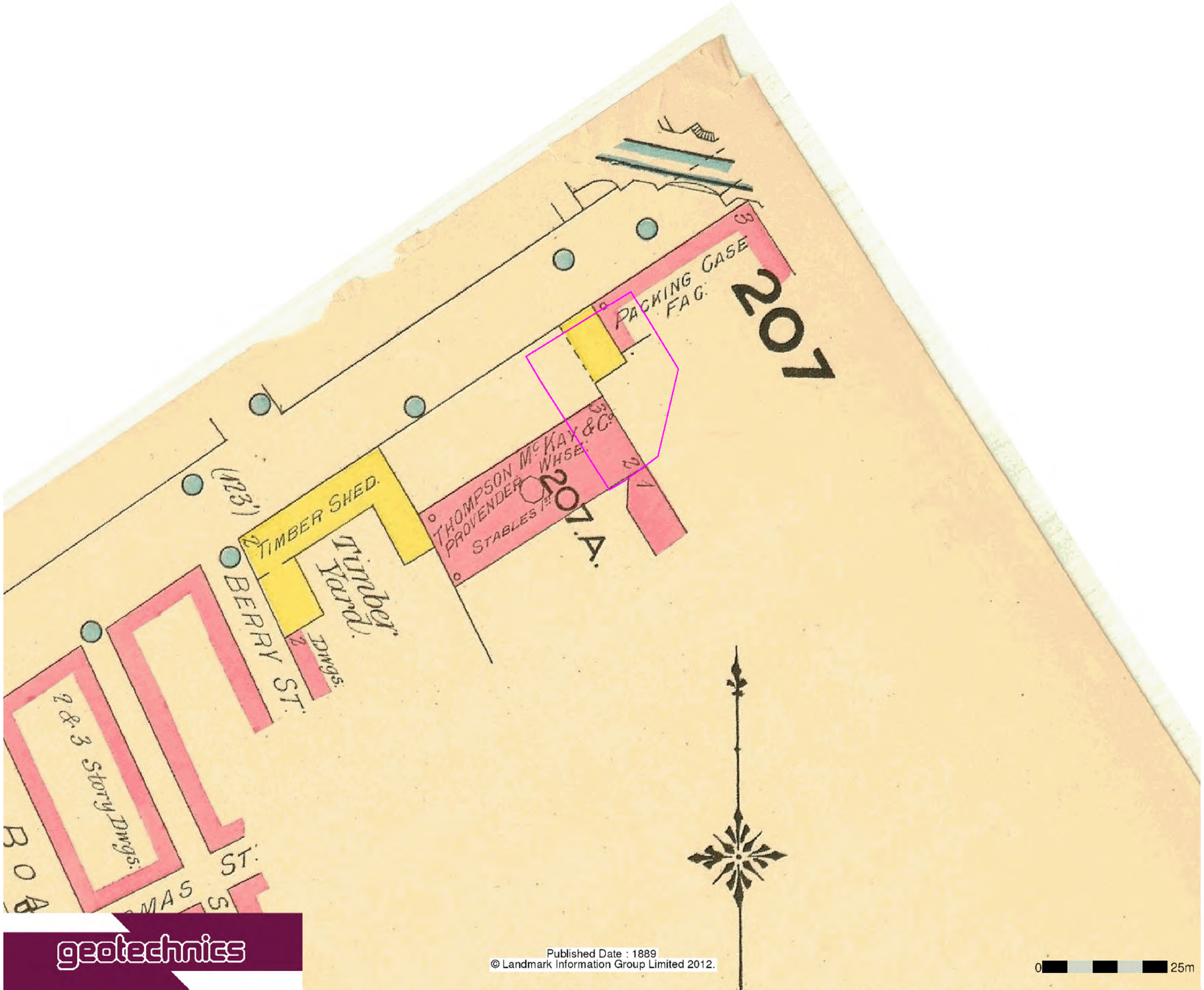
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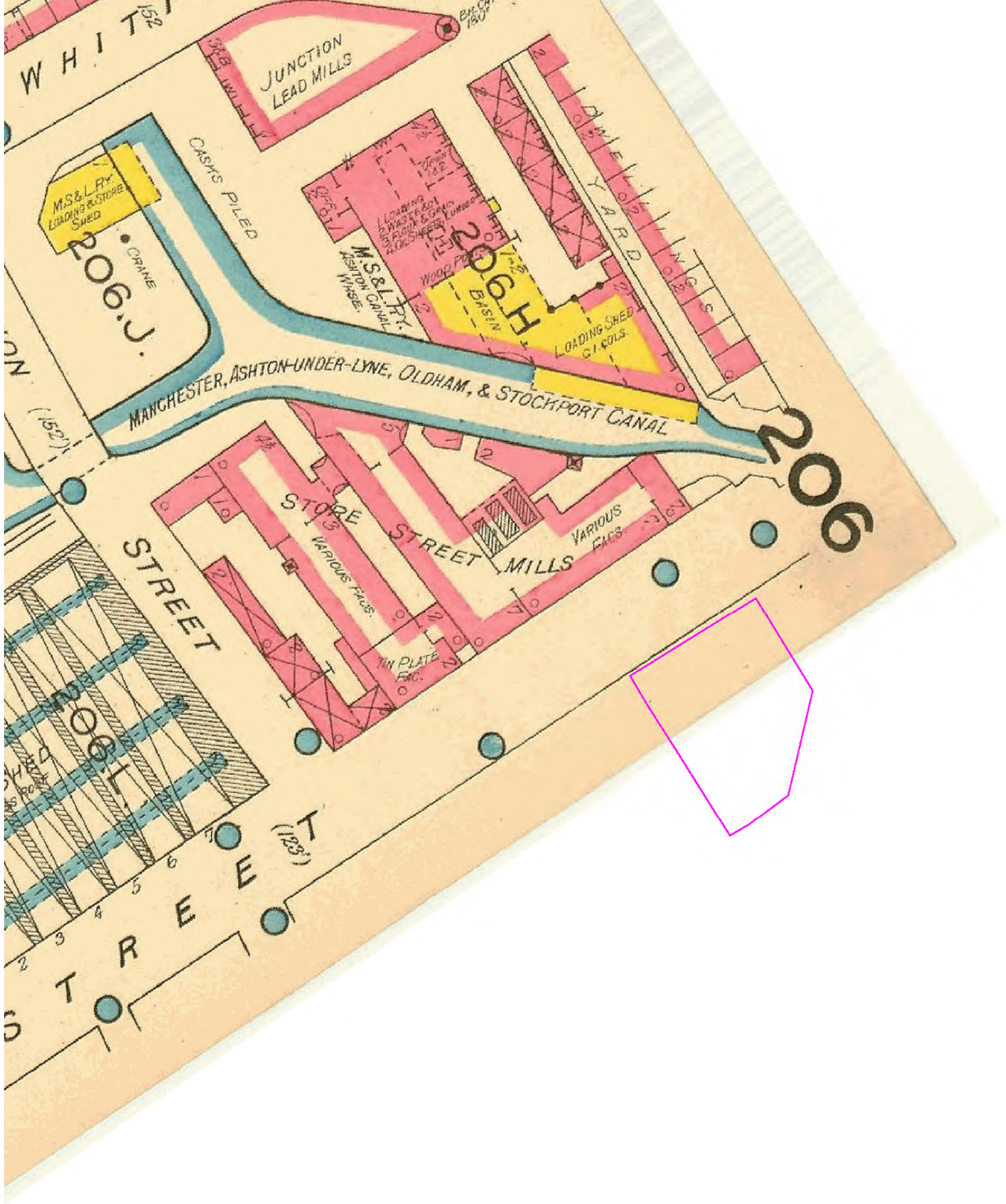
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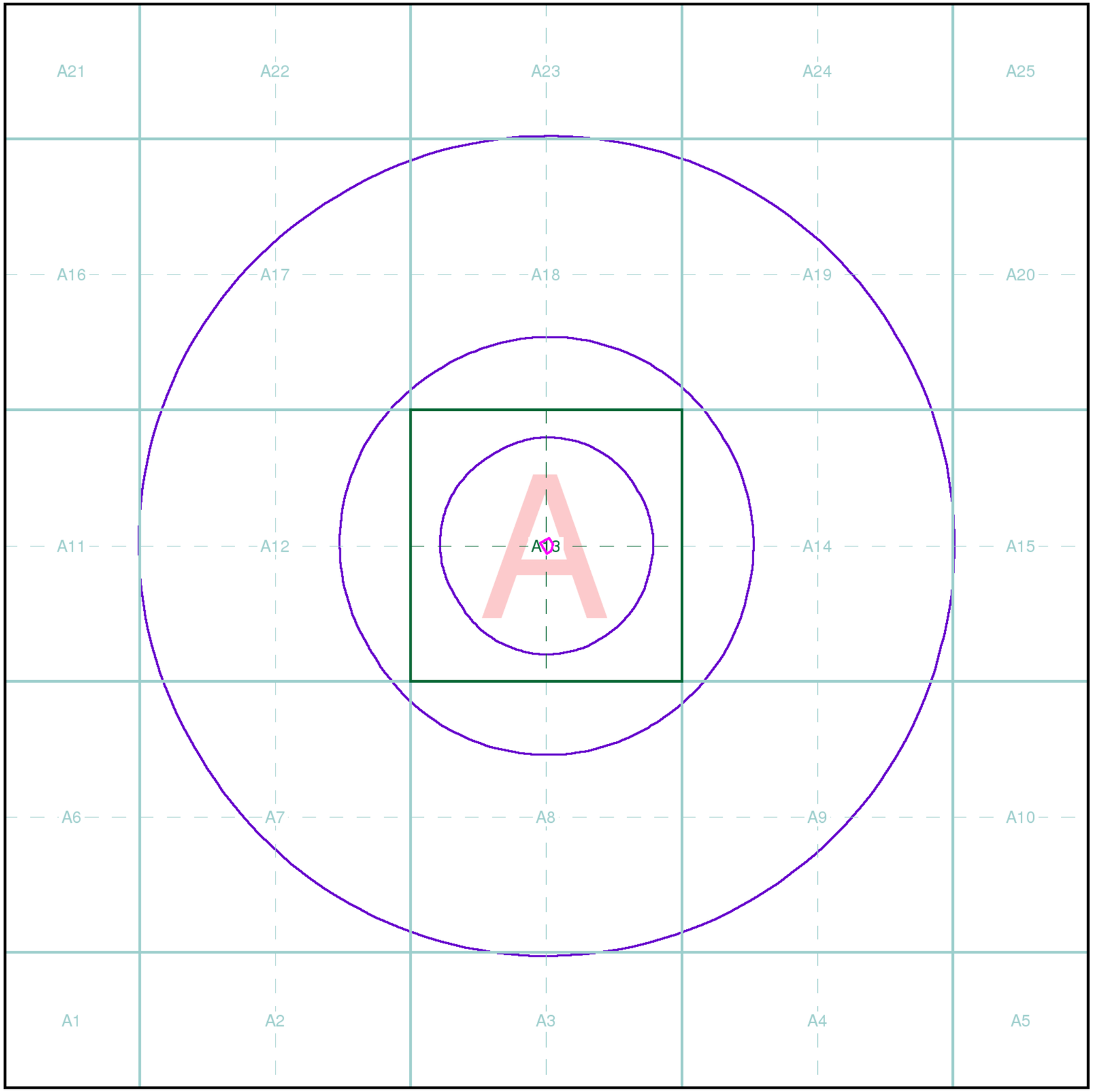
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## Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

**Slice**
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

**Segment**
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

**Quadrant**
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:

Ordnance Survey® Licensed Partner

British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL

Environment Agency

NATURAL ENGLAND

Envirocheck reports are compiled from 136 different sources of data.

## Client Details

Mr J Booth, Geotechnics Ltd, The Geotechnical Centre, Unit 1 Borders Industrial Park, River Lane, Saltney, CH4 8RJ

## Order Details

| | |
|---|---|
| Order Number: | 59513547_1_1 |
| Customer Ref: | PN143226 |
| National Grid Reference: | 384990, 398080 |
| Site Area (Ha): | 0.07 |
| Search Buffer (m): | 1000 |

## Site Details

Site at 384980, 398080

**Full Terms and Conditions can be found on the following link:**
http://www.landmarkinfo.co.uk/Terms/Show/515

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

# APPENDIX 5

## Coal Authority Report

The Coal Authority

Issued by:
The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

**LANDMARK INFORMATION GROUP LIMITED**
**SOWTON INDUSTRIAL ESTATE**
**ABBEY COURT**
**UNIT 5/7 EAGLE WAY**
**EXETER**
**DEVON**
**EX2 7HY**

| | |
|---|---|
| Our reference: | **51000612754001** |
| Your reference: | **59726771_1\|** |
| Date of your enquiry: | **28 August 2014** |
| Date we received your enquiry: | **28 August 2014** |
| Date of issue: | **28 August 2014** |

This report is for the property described in the address below and the attached plan.

## Non-Residential Coal Authority Mining Report

## SITE AT 384980, 398080, ANCOATS, GREATER MANCHESTER,

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

| | |
|---|---|
| Coal mining | See comments below |
| Brine Compensation District | No |

### *Information from the Coal Authority*

### Underground coal mining

#### Past

The property is in the likely zone of influence from workings in 2 seams of coal at 1050m to 1090m depth, and last worked in 1961.

Any ground movement from these coal workings should have stopped by now.

#### Present

The property is not in the likely zone of influence of any present underground coal workings.

#### Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

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

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The property is not in an area that is likely to be affected at the surface from any planned future workings.

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

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

***Mine entries***

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

**Coal mining geology**

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

**Opencast coal mining**

**Past**

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

**Present**

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

**Future**

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

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

**Coal mining subsidence**

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

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

The 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**

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

**Hazards related to coal mining**

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

**Withdrawal of support**

The property is not in an area for which a notice of entitlement to withdraw support has been published.

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

**Working facilities orders**

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

**Payments to owners of former copyhold land**

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

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### *Information from the Cheshire Brine Subsidence Compensation Board*

The property lies outside the Cheshire Brine Compensation District.

### *Additional Remarks*

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006.

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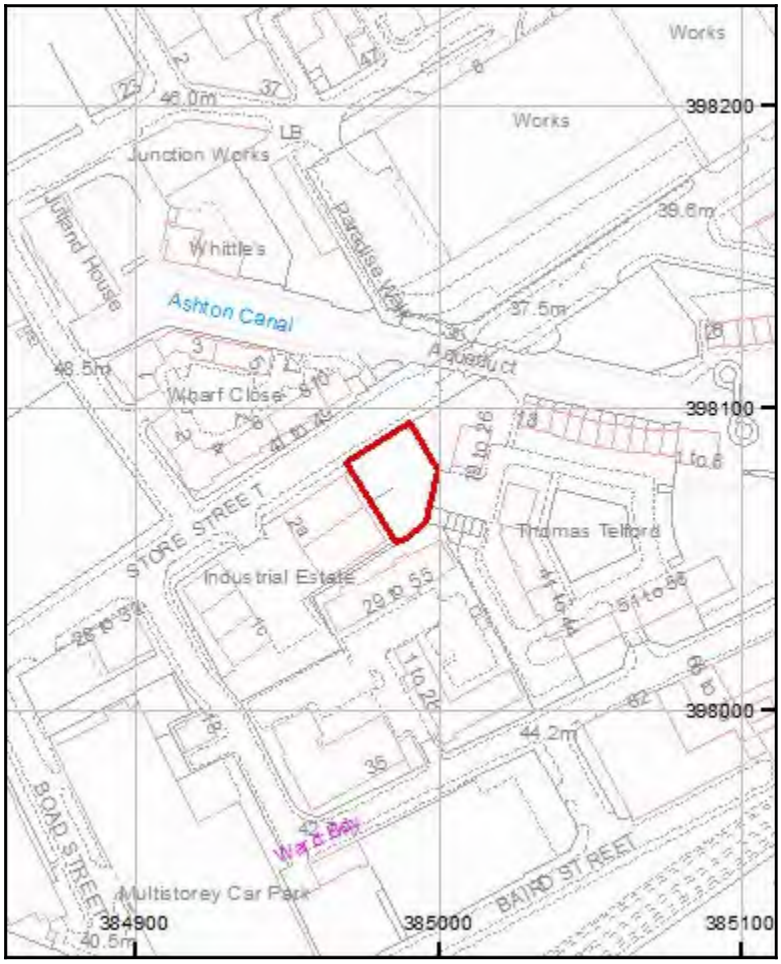
## *Location map*

Approximate position of property




## *Enquiry boundary*

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## Key

Approximate position of enquiry boundary shown

Mapping sourced from Ordnance Survey

# APPENDIX 6

## Local Authority Correspondence

**John Knowles**

[redacted]

Dear Mr Knowles / Mr Dodd,

The Environmental Protection Group is aware of past uses of the study site and search area that may be potential sources of contamination. Consequently the search area remains on our list of sites to investigate under our Part 2A inspection strategy. We are unable to provide a time scale for when this will be done or provide a priority level. Our priority sites for inspection at this time are the landfill sites in Manchester.

Therefore, the following condition would be attached to any approval given to the proposed residential development,

a) Before the development hereby approved commences, a report (the Preliminary Risk Assessment the Desk Study) to identify and evaluate all potential sources and impacts of any ground contamination, groundwater contamination and/or ground gas relevant to the site shall be submitted to and approved in writing by the City Council as local planning authority. The Preliminary Risk Assessment shall conform to City Council's current guidance document (Planning Guidance in Relation to Ground Contamination).
The Desk Study shall be prepared by a suitably qualified person whose competence to carry out the Desk Study has been approved in writing by the City Council as local planning authority (an "Expert").

In the event of the Preliminary Risk Assessment Desk Study identifying risks which in the written opinion of the Local Planning Authority require further investigation, the development shall not commence until a scheme for the investigation of the site and the identification of remediation measures (the Site Investigation Proposal Scheme) has been submitted to and approved in writing by the City Council as local planning authority.

The measures for investigating the site identified in the Site Investigation Proposal Scheme shall be carried out, by an Expert before development commences and the Expert shall prepare a report prepared outlining what measures, if any, are required to remediate the land (the Site Investigation Report and/or Remediation Strategy) which shall be submitted to and approved in writing by the City Council as local planning authority.

b) When the development commences, the development shall be carried out in accordance with the previously agreed Remediation Strategy Site Investigation Report.and a Completion/Verification Report shall be submitted to and approved in writing by the City with the Revised Remediation Strategy Site Investigation Report, which shall take precedence over any Remediation Strategy Site Investigation Report or earlier Revised Remediation Strategy Investigation Report.

Reason - To ensure that the presence of or the potential for any contaminated land and/or groundwater is detected and appropriate remedial action is taken in the interests of public safety, pursuant to [INSERT] of the Unitary Development Plan for the City of Manchester.

Below is a link to our Planning Guidance in Relation to Ground Contamination, which outlines the process for redeveloping potentially contaminated sites. Please note that this document will be continually revised in accordance with future legislation and guidance.

**Information For Developers:**
**http://www.manchester.gov.uk/downloads/file/11878/planning_guidance_in_relation_to_ground_contar**

Kind regards,



Mizanur,

Please see e-mail message below.

Please e-mail your response to me as Colin Dodd is on leave.

Thank you.

Your prompt response would be appreciated.

Regards

John Knowles



**Subject:** Store Street Residential Development, Manchester
**Importance:** High

Mizanur.

Thank you for your assistance on our previous project.

We have now been commissioned to carry out a Phase 1 Desk Study for a proposed multi-storey residential development on Store Street, Manchester. A plan showing the site location is attached together with a marked up aerial photograph showing the extent of the site.

We have already obtained an Envirocheck Report (historical maps and data set) and can see from an initial look at this that the site appears to have been part of a packing case factory and timber yard/saw mill. The site is currently unused and overgrown.

We would be grateful if you could respond to the following questions:

- Has the site been assessed as part of the Council's Statutory Contaminated Land Inspection Strategy?
- If so, is the site designated as Contaminated Land?
- What is the priority level of the site within the Council's Contaminated Land Inspection Strategy?

If you are aware of any specific issues with respect to this particular site we would be grateful for your input.

Regards,
Colin Dodd
Principal Engineer

[redacted]

[redacted]

**********

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**********

# APPENDIX 7

## Dynamic Sample Borehole Records

# *DATA SHEET - Symbols and Abbreviations used on Records*

## Sample Types

| | |
|---|---|
| B | Bulk disturbed sample |
| BLK | Block sample |
| C | Core sample |
| D | Small disturbed sample (tub/jar) |
| E | Environmental test sample |
| ES | Environmental soil sample |
| EW | Environmental water sample |
| G | Gas sample |
| L | Liner sample |
| LB | Large bulk disturbed sample |
| P | Piston sample (PF - failed P sample) |
| TW | Thin walled push in sample |
| U | Open Tube - 102mm diameter with blows to take sample. (UF - failed U sample) |
| UT | Thin wall open drive tube sampler - 102mm diameter with blows to take sample. (UTF - failed UT sample) |
| V | Vial sample |
| W | Water sample |
| # | Sample Not Recovered |

## Insitu Testing / Properties

| | |
|---|---|
| CBRP | CBR using TRL probe |
| CHP | Constant Head Permeability Test |
| COND | Electrical conductivity |
| HV | Strength from Hand Vane |
| ICBR | CBR Test |
| IDEN | Density Test |
| IRES | Resistivity Test |
| MEX | CBR using Mexecone Probe Test |
| PKR | Packer Permeability Test |
| PLT | Plate Load Test |
| PP | Strength from Pocket Penetrometer |
| Temp | Temperature |
| VHP | Variable Head Permeability Test |
| VN | Strength from Insitu Vane |
| w% | Water content |

(All other strengths from undrained triaxial testing)

| | |
|---|---|
| S | Standard Penetration Test (SPT) |
| C | SPT with cone |
| N | SPT Result |
| -/- | Blows/penetration (mm) after seating drive |
| -*/- (mm) | Total blows/penetration |
| ( ) | Extrapolated value |

## Groundwater

Water Strike

Depth Water Rose To

## Instrumentation

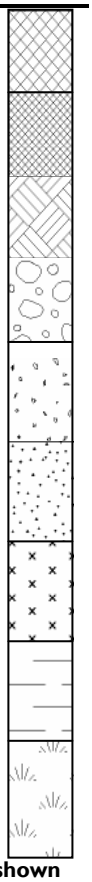


Seal

Filter

Seal

## Strata



Made Ground Granular

Made Ground Cohesive

Topsoil

Cobbles and Boulders

Gravel

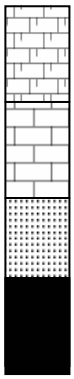
Sand

Silt

Clay

Peat

**Note: Composite soil types shown by combined symbols**



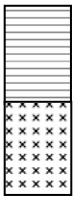
Chalk

Limestone

Sandstone

Coal

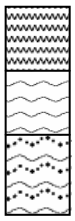
## Strata, Continued



Mudstone

Siltstone

**Metamorphic Rock**

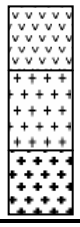


Fine Grained

Medium Grained

Coarse Grained

**Igneous Rock**



Fine Grained

Medium Grained

Coarse Grained

## Backfill Materials



Arisings

Bentonite Seal

Concrete

Fine Gravel Filter

General Fill

Gravel Filter

Grout

Sand Filter

Tarmacadam

## Rotary Core

| | |
|---|---|
| RQD | Rock Quality Designation (% of intact core >100mm) |
| FRACTURE INDEX | Fractures/metre |
| FRACTURE SPACING (mm) | Maximum<br>Minimum |
| NI | Non-intact core |
| NR | No core recovery |
| AZCL | Assumed zone of core loss |

(where core recovery is unknown it is assumed to be at the base of the run)

# BOREHOLE RECORD – Dynamic Sample

Project **STORE STREET RESIDENTIAL PROJECT** Engineer **BDP ENGINEERING LTD** Borehole **WS01** Project No **PN143226**

Client **BDP ENGINEERING LTD**

Scale 1:25

| Sampling | | | Properties | | Strata | | |
|---|---|---|---|---|---|---|---|
| Depth | Sample Type | Depth Cased & (to Water) | Strength kPa | w % | Description | Depth | Legend |
| | | | | | | G.L. | |
| 0.00- 0.50 | B | | | | Rough vegetation over MADE GROUND: Friable dark brown slightly gravelly sandy clay with a low cobble content of concrete and bricks. Gravel is fine to coarse angular including clinker, slag, slate, sandstone, concrete and brick fragments. Occasional glass, porcelain and plastic fragments. Occasional rootlets. | | |
| 0.30 | D | | | | | | |
| 0.30 | ES | | | | | | |
| 0.50- 0.90 | B | | | | | | |
| 0.90- 1.90 | B | | | | Between 0.90m and 1.10m, high cobble content of bricks. | | |
| 0.90 | D | | | | | | |
| 0.90 | ES | | | | | | |
| 1.40 | D | | | | | | |
| 1.40 | ES | | | | | | |
| 2.10 | ES | | | | | | |
| | | | | | At 2.55m, obstruction - unable to penetrate further. | 2.55 | |
| | | | | | End of Borehole | | |

| Boring | | | | Progress | | | | | Groundwater | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | Hole Dia | Technique | Crew | Depth of Hole | Depth Cased | Depth to Water | Date | Time | Depth Struck | Depth Cased | Rose to | in Mins | Depth Sealed | Remarks on Groundwater |
| 0.90 | 0.40 | Inspection Pit | CJ | G.L. | | | 26/08/14 | 08:00 | | | | | | None encountered. |
| 1.90 | 0.08 | Dynamic Sampler | CJ | 2.55 | | DRY | 26/08/14 | 18:00 | | | | | | |
| 2.55 | 0.07 | Dynamic Sampler | CJ | | | | | | | | | | | |

Remarks **Borehole terminated on an obstruction at 2.55m depth below ground level.**

Logged by **CJ**

Figure **1 of 1**

02/09/2014

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

geotechnics

# BOREHOLE RECORD – Dynamic Sample

Project **STORE STREET RESIDENTIAL PROJECT** Engineer **BDP ENGINEERING LTD** Borehole **WS02** Project No **PN143226**

Client **BDP ENGINEERING LTD**

Scale 1:25

| Sampling | | | Properties | | Strata | | |
|---|---|---|---|---|---|---|---|
| Depth | Sample Type | Depth Cased & (to Water) | Strength kPa | w % | Description | Depth | Legend |
| 0.00- 0.70 | B | | | | Rough vegetation over MADE GROUND: Friable dark brown slightly gravelly sandy clay with occasional pockets of light yellowish brown and orangish brown sandy clay. High cobble content of concrete and bricks. Gravel is fine to coarse angular including clinker, slag, slate concrete and brick fragments. Occasional glass, porcelain and metal fragments. | G.L. | |
| 0.30 | D | | | | | | |
| 0.30 | ES | | | | | | |
| 0.60 | D | | | | | | |
| 0.60 | ES | | | | At 0.70m, concrete cobbles - unable to penetrate further. | 0.70 | |
| | | | | | End of Borehole | | |

| Boring | | | | Progress | | | | | Groundwater | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Depth | Hole Dia | Technique | Crew | Depth of Hole | Depth Cased | Depth to Water | Date | Time | Depth Struck | Depth Cased | Rose to | in Mins | Depth Sealed | Remarks on Groundwater |
| 0.70 | 0.40 | Inspection Pit | CJ | G.L. | | | 26/08/14 | 08:00 | | | | | | None encountered. |
| 0.70 | 0.08 | Dynamic Sampler | CJ | 0.70 | | DRY | 26/08/14 | 18:00 | | | | | | |

Remarks Borehole terminated on concrete cobble obstruction at 0.70m depth below ground level.

Logged by **CJ**

Figure **1 of 1**

02/09/2014

Symbols and abbreviations are explained on the accompanying key sheet.

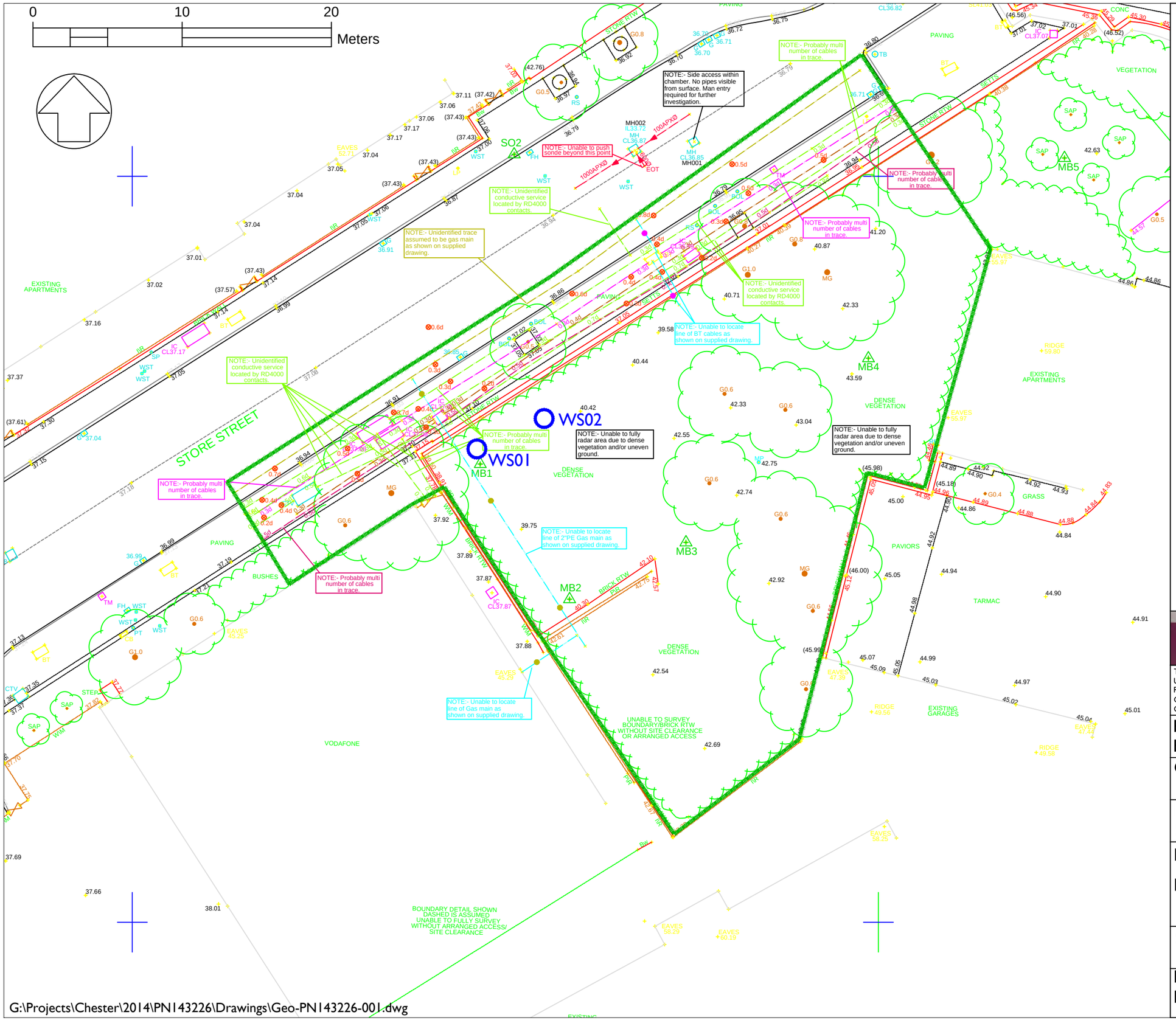
All dimensions are in metres.

Logged in accordance with BS5930:1999 + A2:2010

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# APPENDIX 8

## Exploratory Hole Location Plan




## Key

Dynamic Borehole Sample

| Hole ID | Easting (mE) | Northing (mN) |
|---|---|---|
| WS01 | 384973.091 | 398081.722 |
| WS02 | 384977.597 | 398083.762 |


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The Geotechnical Centre,
Unit 1, Borders Industrial Park,
River Lane, Saltney,
Chester
CH4 8RJ

Phone: 01244 671117
Fax: 01224 671122
E:mail mail@geotechnics.co.uk

www.geotechnics.co.uk


Engineer:
BDP

Client:

Project:
Store Street Residential Development

Drawing Title:
Exploratory Hole Location Plan

Scale: 1:250@A3

Date:
August 2014

Project No:
PN143226

File Name:
Geo-PN143226-001(1)

G:\Projects\Chester\2014\PN143226\Drawings\Geo-PN143226-001.dwg

# APPENDIX 9

## Laboratory Test Results

# Jones Environmental Laboratory

Registered Address : Unit 3 Deeside Point, Zone 3, Deeside Industrial Park, Deeside, CH5 2UA. UK

Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

Tel: +44 (0) 1244 833780
Fax: +44 (0) 1244 833781


Geotechnics
Unit 1B
Borders Industrial Park
River Lane
Chester
Cheshire
CH4 8RJ

| | |
|---|---|
| **Attention :** | Chris Jones |
| **Date :** | 5th September, 2014 |
| **Your reference :** | PN143226 |
| **Our reference :** | Test Report 14/9692 Batch 1 |
| **Location :** | Store St, Manchester |
| **Date samples received :** | 27th August, 2014 |
| **Status :** | Final report |
| **Issue :** | 1 |

Six samples were received for analysis on 27th August, 2014. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

**Compiled By:**

[redacted]

**Paul Lee-Boden BSc**
**Project Manager**

[redacted]

**Bob Millward BSc FRSC**
**Principal Chemist**

**Client Name:** Geotechnics
**Reference:** PN143226
**Location:** Store St, Manchester
**Contact:** Chris Jones
**JE Job No.:** 14/9692

**Report : Solid**

**Solids:** V=60g VOC jar, J=250g glass jar, T=plastic tub

| J E Sample No. | 1-3 | 4-6 | 7-9 | 10-12 | 13-15 | 16-18 | | | | | LOD/LOR | Units | Method No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID | WS01 | WS01 | WS01 | WS01 | WS02 | WS02 | | | | | | | |
| Depth | 0.3 | 0.9 | 1.4 | 2.1 | 0.3 | 0.6 | | | | | | | |
| COC No / misc | | | | | | | | | | | | | |
| Containers | V J T | V J T | V J T | V J T | V J T | V J T | | | | | | | |
| Sample Date | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | | | | | | | |
| Sample Type | Soil | Soil | Soil | Soil | Soil | Soil | | | | | | | |
| Batch Number | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| Date of Receipt | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | | | | | | | |
| Arsenic #M | 16.1 | NDP | 11.0 | 10.7 | 15.6 | 23.1 | | | | | <0.5 | mg/kg | TM30/PM15 |
| Arsenic | - | 25.7 | - | - | - | - | | | | | <0.5 | mg/kg | TM30/PM62 |
| Cadmium #M | 0.3 | NDP | 0.2 | 0.1 | 0.2 | 0.3 | | | | | <0.1 | mg/kg | TM30/PM15 |
| Cadmium | - | 0.5 | - | - | - | - | | | | | <0.1 | mg/kg | TM30/PM62 |
| Chromium #M | 33.8 | NDP | 35.8 | 37.6 | 36.6 | 34.5 | | | | | <0.5 | mg/kg | TM30/PM15 |
| Chromium | - | 22.0 | - | - | - | - | | | | | <0.5 | mg/kg | TM30/PM62 |
| Copper #M | 57 | NDP | 74 | 92 | 71 | 69 | | | | | <1 | mg/kg | TM30/PM15 |
| Copper | - | 350.9 | - | - | - | - | | | | | <1 | mg/kg | TM30/PM62 |
| Lead #M | 95 | NDP | 97 | 175 | 116 | 131 | | | | | <5 | mg/kg | TM30/PM15 |
| Lead | - | 523 | - | - | - | - | | | | | <5 | mg/kg | TM30/PM62 |
| Mercury #M | 0.1 | NDP | <0.1 | 0.2 | <0.1 | 0.3 | | | | | <0.1 | mg/kg | TM30/PM15 |
| Mercury | - | <0.1 | - | - | - | - | | | | | <0.1 | mg/kg | TM30/PM62 |
| Nickel #M | 17.6 | NDP | 20.5 | 22.0 | 26.6 | 24.9 | | | | | <0.7 | mg/kg | TM30/PM15 |
| Nickel | - | 24.4 | - | - | - | - | | | | | <0.7 | mg/kg | TM30/PM62 |
| Selenium #M | <1 | NDP | <1 | <1 | <1 | 1 | | | | | <1 | mg/kg | TM30/PM15 |
| Selenium | - | <1 | - | - | - | - | | | | | <1 | mg/kg | TM30/PM62 |
| Zinc #M | 99 | NDP | 120 | 134 | 118 | 121 | | | | | <5 | mg/kg | TM30/PM15 |
| Zinc | - | 430 | - | - | - | - | | | | | <5 | mg/kg | TM30/PM62 |
| PAH MS | | | | | | | | | | | | | |
| Naphthalene #M | 0.11 | <0.04 | <0.04 | <0.04 | 0.21 | <0.04 | | | | | <0.04 | mg/kg | TM4/PM8 |
| Acenaphthylene | 0.07 | 0.29 | 0.19 | 0.17 | 0.12 | 0.05 | | | | | <0.03 | mg/kg | TM4/PM8 |
| Acenaphthene #M | 0.25 | 1.17 | 0.30 | 0.19 | 1.37 | 0.22 | | | | | <0.05 | mg/kg | TM4/PM8 |
| Fluorene #M | 0.16 | 0.73 | 0.23 | 0.17 | 0.79 | 0.12 | | | | | <0.04 | mg/kg | TM4/PM8 |
| Phenanthrene #M | 1.80 | 9.44 | 2.58 | 1.57 | 8.58 | 1.41 | | | | | <0.03 | mg/kg | TM4/PM8 |
| Anthracene # | 0.47 | 2.43 | 0.70 | 0.43 | 2.19 | 0.37 | | | | | <0.04 | mg/kg | TM4/PM8 |
| Fluoranthene #M | 2.91 | 16.88 | 4.63 | 2.65 | 10.04 | 2.57 | | | | | <0.03 | mg/kg | TM4/PM8 |
| Pyrene # | 2.59 | 15.21 | 4.28 | 2.81 | 8.52 | 2.19 | | | | | <0.03 | mg/kg | TM4/PM8 |
| Benzo(a)anthracene # | 1.73 | 9.02 | 2.25 | 1.60 | 5.06 | 1.21 | | | | | <0.06 | mg/kg | TM4/PM8 |
| Chrysene #M | 1.44 | 10.05 | 2.24 | 1.45 | 4.55 | 1.41 | | | | | <0.02 | mg/kg | TM4/PM8 |
| Benzo(bk)fluoranthene #M | 2.23 | 13.49 | 4.03 | 2.64 | 6.63 | 2.12 | | | | | <0.07 | mg/kg | TM4/PM8 |
| Benzo(a)pyrene # | 1.46 | 9.01 | 2.82 | 1.82 | 4.14 | 1.42 | | | | | <0.04 | mg/kg | TM4/PM8 |
| Indeno(123cd)pyrene #M | 0.81 | 4.20 | 1.35 | 0.86 | 2.19 | 0.66 | | | | | <0.04 | mg/kg | TM4/PM8 |
| Dibenzo(ah)anthracene # | 0.21 | 0.74 | 0.21 | 0.15 | 0.46 | 0.09 | | | | | <0.04 | mg/kg | TM4/PM8 |
| Benzo(ghi)perylene # | 0.72 | 4.28 | 1.39 | 1.10 | 1.81 | 0.62 | | | | | <0.04 | mg/kg | TM4/PM8 |
| PAH 16 Total | 17.0 | 96.9 | 27.2 | 17.6 | 56.7 | 14.5 | | | | | <0.6 | mg/kg | TM4/PM8 |
| Benzo(b)fluoranthene | 1.61 | 9.71 | 2.90 | 1.90 | 4.77 | 1.53 | | | | | <0.05 | mg/kg | TM4/PM8 |
| Benzo(k)fluoranthene | 0.62 | 3.78 | 1.13 | 0.74 | 1.86 | 0.59 | | | | | <0.02 | mg/kg | TM4/PM8 |
| PAH Surrogate % Recovery | 97 | 95 | 94 | 96 | 93 | 94 | | | | | <0 | % | TM4/PM8 |

Please see attached notes for all abbreviations and acronyms

**Client Name:** Geotechnics
**Reference:** PN143226
**Location:** Store St, Manchester
**Contact:** Chris Jones
**JE Job No.:** 14/9692

**Report : Solid**

**Solids:** V=60g VOC jar, J=250g glass jar, T=plastic tub

| J E Sample No. | 1-3 | 4-6 | 7-9 | 10-12 | 13-15 | 16-18 | | | | | LOD/LOR | Units | Method No. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Sample ID** | WS01 | WS01 | WS01 | WS01 | WS02 | WS02 | | | | | | | |
| **Depth** | 0.3 | 0.9 | 1.4 | 2.1 | 0.3 | 0.6 | | | | | | | |
| **COC No / misc** | | | | | | | | | | | | | |
| **Containers** | V J T | V J T | V J T | V J T | V J T | V J T | | | | | | | |
| **Sample Date** | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | | | | | | | |
| **Sample Type** | Soil | Soil | Soil | Soil | Soil | Soil | | | | | | | |
| **Batch Number** | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| **Date of Receipt** | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | 27/08/2014 | | | | | | | |
| TPH CWG | | | | | | | | | | | | | |
| **Aliphatics** | | | | | | | | | | | | | |
| >C5-C6 #M | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | | | | | <0.1 | mg/kg | TM36/PM12 |
| >C6-C8 #M | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | | | | | <0.1 | mg/kg | TM36/PM12 |
| >C8-C10 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | | | | | <0.1 | mg/kg | TM36/PM12 |
| >C10-C12 #M | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | | | | | <0.2 | mg/kg | TM5/PM16 |
| >C12-C16 #M | <4 | <4 | <4 | <4 | <4 | <4 | | | | | <4 | mg/kg | TM5/PM16 |
| >C16-C21 #M | <7 | <7 | <7 | 13 | <7 | <7 | | | | | <7 | mg/kg | TM5/PM16 |
| >C21-C35 #M | <7 | <7 | <7 | 602 | <7 | <7 | | | | | <7 | mg/kg | TM5/PM16 |
| Total aliphatics C5-35 | <19 | <19 | <19 | 615 | <19 | <19 | | | | | <19 | mg/kg | TM5/TM36/PM12/PM16 |
| **Aromatics** | | | | | | | | | | | | | |
| >C5-EC7 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | | | | | <0.1 | mg/kg | TM36/PM12 |
| >EC7-EC8 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | | | | | <0.1 | mg/kg | TM36/PM12 |
| >EC8-EC10 #M | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | <0.1 | | | | | <0.1 | mg/kg | TM36/PM12 |
| >EC10-EC12 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | | | | | <0.2 | mg/kg | TM5/PM16 |
| >EC12-EC16 | <4 | <4 | <4 | 9 | <4 | <4 | | | | | <4 | mg/kg | TM5/PM16 |
| >EC16-EC21 | 20 | 28 | 27 | 58 | 21 | 17 | | | | | <7 | mg/kg | TM5/PM16 |
| >EC21-EC35 | 98 | 114 | 112 | 314 | 93 | 87 | | | | | <7 | mg/kg | TM5/PM16 |
| Total aromatics C5-35 | 118 | 142 | 139 | 381 | 114 | 104 | | | | | <19 | mg/kg | TM5/TM36/PM12/PM16 |
| Total aliphatics and aromatics(C5-35) | 118 | 142 | 139 | 996 | 114 | 104 | | | | | <38 | mg/kg | TM5/TM36/PM12/PM16 |
| MTBE # | <5 | <5 | <5 | <5 | <5 | <5 | | | | | <5 | ug/kg | TM31/PM12 |
| Benzene # | <5 | <5 | <5 | 8 | <5 | <5 | | | | | <5 | ug/kg | TM31/PM12 |
| Toluene # | <5 | <5 | <5 | 8 | <5 | <5 | | | | | <5 | ug/kg | TM31/PM12 |
| Ethylbenzene # | <5 | <5 | <5 | <5 | <5 | <5 | | | | | <5 | ug/kg | TM31/PM12 |
| m/p-Xylene # | <5 | <5 | <5 | <5 | <5 | <5 | | | | | <5 | ug/kg | TM31/PM12 |
| o-Xylene # | <5 | <5 | <5 | <5 | <5 | <5 | | | | | <5 | ug/kg | TM31/PM12 |
| Phenol #M | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | | | | | <0.01 | mg/kg | TM26/PM21 |
| Natural Moisture Content | 25.3 | NDP | 9.0 | 9.9 | 14.0 | 14.8 | | | | | <0.1 | % | PM4/PM0 |
| Sulphate as SO4 (2:1 Ext) #M | <0.0015 | NDP | 0.0660 | 0.0523 | 0.0560 | 0.0270 | | | | | <0.0015 | g/l | TM38/PM20 |
| Sulphate as SO4 (2:1 Ext) #M | - | 0.0253 | - | - | - | - | | | | | <0.0015 | g/l | TM38/PM60 |
| Organic Matter | 7.2 | NDP | 5.2 | 7.1 | 6.7 | 11.7 | | | | | <0.2 | % | TM21/PM24 |
| pH #M | 7.41 | 8.03 | 8.14 | 8.02 | 7.42 | 7.04 | | | | | <0.01 | pH units | TM73/PM11 |
| Sample Type | Clayey Loam | Sandy Loam | Sandy Loam | Sandy Loam | Loam | Sandy Loam | | | | | | None | PM13/PM0 |
| Sample Colour | Dark Brown | Medium Brown | Medium Brown | Medium Brown | Dark Brown | Dark Brown | | | | | | None | PM13/PM0 |
| Other Items | stones, roots | stones, bricks | stones | brick, stones | stones | stones, roots | | | | | | None | PM13/PM0 |
| Mass of Dry Sample | 44.0 | 53.6 | 57.1 | 54.1 | 52.1 | 44.7 | | | | | <0.1 | g | PM4/PM0 |

Please see attached notes for all abbreviations and acronyms

**Client Name:** Geotechnics
**Reference:** PN143226
**Location:** Store St, Manchester
**Contact:** Chris Jones

**Note:**

Analysis was carried out in accordance with our documented in-house methods PM042 and TM065 and HSG 248 by Stereo and Polarised Light Microscopy using Dispersion Staining Techniques and is covered by our UKAS accreditation. Samples are retained for not less than 6 months from the date of analysis unless specifically requested.

Opinions lie outside the scope of our UKAS accreditation.

*Where the sample is not taken by a Jones Environmental Laboratory consultant, Jones Environmental Laboratory cannot be responsible for inaccurate or unrepresentative sampling.*

*If asbestos fibres are reported at trace levels there will not be enough fibres to quantify and will be less than 0.001%.*

Signed on behalf of Jones Environmental Laboratory:

Gemma Newsome
Asbestos Team Leader

| J E Job No. | Batch | Sample ID | Depth | J E Sample No. | Date Of Analysis | Description | Asbestos Containing Material | Asbestos Results | Asbestos Level | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 14/9692 | 1 | WS01 | 0.3 | 2 | 02/09/14 | soil/stones | None | NAD | NAD | |
| 14/9692 | 1 | WS01 | 0.9 | 5 | 02/09/14 | soil/stones | Free Fibres | Chrysotile | Quantifiable | |
| 14/9692 | 1 | WS01 | 1.4 | 8 | 02/09/14 | soil/stones | None | NAD | NAD | |
| 14/9692 | 1 | WS01 | 2.1 | 11 | 02/09/14 | soil/stones | None | NAD | NAD | |
| 14/9692 | 1 | WS02 | 0.3 | 14 | 02/09/14 | soil/stones | None | NAD | NAD | |
| 14/9692 | 1 | WS02 | 0.6 | 17 | 02/09/14 | soil/stones | None | NAD | NAD | |
| | | | | | | | | | | |
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**Client Name:** Geotechnics **Matrix : Solid**
**Reference:** PN143226
**Location:** Store St, Manchester
**Contact:** Chris Jones

| J E Job No. | Batch | Sample ID | Depth | J E Sample No. | NDP Reason |
|---|---|---|---|---|---|
| 14/9692 | 1 | WS01 | 0.9 | 4-6 | Asbestos detected in sample |

# NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

***JE Job No.:*** 14/9692

**SOILS**

Please note we are only MCERTS accredited for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. If we are instructed to keep samples, a storage charge of £1 (1.5 Euros) per sample per month will be applied until we are asked to dispose of them.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

**WATERS**

Please note we are not a Drinking Water Inspectorate (DWI) Approved Laboratory . It is important that detection limits are carefully considered when requesting water analysis.

UKAS accreditation applies to surface water and groundwater and one other matrix which is analysis specific, any other liquids are outside our scope of accreditation

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

**DEVIATING SAMPLES**

Samples must be received in a condition appropriate to the requested analyses. All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. If this is not the case you will be informed and any test results that may be compromised highlighted on your deviating samples report.

**SURROGATES**

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

**DILUTIONS**

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

**NOTE**

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

**ABBREVIATIONS and ACRONYMS USED**

| | |
|---|---|
| # | UKAS accredited. |
| B | Indicates analyte found in associated method blank. |
| DR | Dilution required. |
| M | MCERTS accredited. |
| NA | Not applicable |
| NAD | No Asbestos Detected. |
| ND | None Detected (usually refers to VOC and/SVOC TICs). |
| NDP | No Determination Possible |
| SS | Calibrated against a single substance |
| SV | Surrogate recovery outside performance criteria. This may be due to a matrix effect. |
| W | Results expressed on as received basis. |
| + | AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page. |
| ++ | Result outside calibration range, results should be considered as indicative only and are not accredited. |
| * | Analysis subcontracted to a Jones Environmental approved laboratory. |
| AD | Samples are dried at 35°C ±5°C |
| CO | Suspected carry over |
| LOD/LOR | Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS |
| ME | Matrix Effect |
| NFD | No Fibres Detected |
| OC | Outside Calibration Range |

**JE Job No:** 14/9692

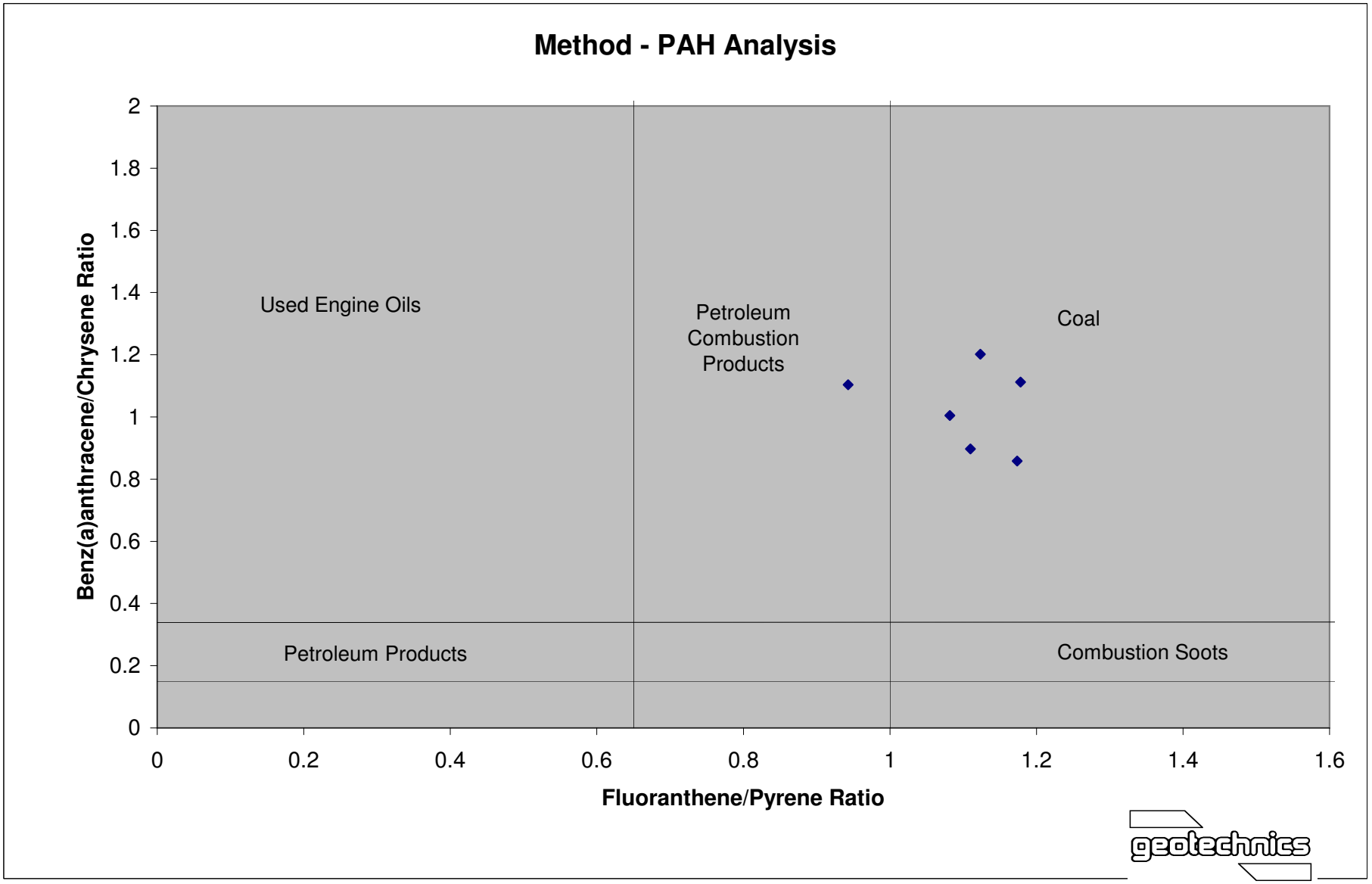
| Test Method No. | Description | Prep Method No. (if appropriate) | Description | UKAS | MCERTS (soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|---|---|---|---|---|---|---|---|
| PM4 | Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377. | PM0 | No preparation is required. | | | | |
| PM4 | Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377. | PM0 | No preparation is required. | | | AR | Yes |
| TM4 | 16 PAH by GC-MS, modified USEPA 8270 | PM8 | In-house method based on USEPA 3510. ISO 17025 accredited extraction method for organic extraction from solid samples using an end over end agitator. | | | AR | Yes |
| TM4 | 16 PAH by GC-MS, modified USEPA 8270 | PM8 | In-house method based on USEPA 3510. ISO 17025 accredited extraction method for organic extraction from solid samples using an end over end agitator. | Yes | | AR | Yes |
| TM4 | 16 PAH by GC-MS, modified USEPA 8270 | PM8 | In-house method based on USEPA 3510. ISO 17025 accredited extraction method for organic extraction from solid samples using an end over end agitator. | Yes | Yes | AR | Yes |
| TM5 | In-House method based on USEPA 8015B. Determination of Extractable Petroleum Hydrocarbons (EPH) in the carbon chain length range of C8-40 by GC-FID. Accredited to ISO 17025 on soil and water samples and MCERTS (carbon banding only) on soils. All accreditation is matrix specific. | PM16 | Aliphatic/Aromatic fractionation | | | AR | Yes |
| TM5 | In-House method based on USEPA 8015B. Determination of Extractable Petroleum Hydrocarbons (EPH) in the carbon chain length range of C8-40 by GC-FID. Accredited to ISO 17025 on soil and water samples and MCERTS (carbon banding only) on soils. All accreditation is matrix specific. | PM16 | Aliphatic/Aromatic fractionation | Yes | Yes | AR | Yes |
| TM5/TM36 | TPH CWG by GC-FID | PM12/PM16 | CWG GC-FID | | | AR | Yes |
| PM13 | Soil Typing for MCERTS | PM0 | No preparation is required. | | | AR | |
| TM21 | TOC and TC by Combustion | PM24 | Eltra preparation | | | AD | Yes |

**JE Job No:** 14/9692

| Test Method No. | Description | Prep Method No. (if appropriate) | Description | UKAS | MCERTS (soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|---|---|---|---|---|---|---|---|
| TM26 | Phenols by HPLC | PM21 | Methanol : NaOH extraction | Yes | Yes | AR | Yes |
| TM30 | Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry) using Thermo iCAP 6000 series instrument. Accredited to ISO 17025 for soils and waters and MCERTS accredited for Soils. All accreditation is matrix specific. | PM15 | In-house method based on USEPA 3010A. Acid digestion of dried and crushed solid samples using Aqua Regia reflux. | Yes | Yes | AD | Yes |
| TM30 | Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry) using Thermo iCAP 6000 series instrument. Accredited to ISO 17025 for soils and waters and MCERTS accredited for Soils. All accreditation is matrix specific. | PM62 | Aqua Regia extraction (Soils) (as received sample) | | | AR | Yes |
| TM31 | In-house method based on USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID. Accredited to ISO 17025 for soils and waters and MCERTS accredited for soils. Accreditation is matrix specific. | PM12 | In-house method based on USEPA 5021. Preparation of solid and liquid samples for headspace analysis. Samples are spiked with surrogates to facilitate quantification. ISO 17025 accredited extraction method. All accreditation is matrix specific | | | AR | Yes |
| TM31 | In-house method based on USEPA 8015B. Determination of Methyltertbutylether, Benzene, Toluene, Ethylbenzene and Xylene by headspace GC-FID. Accredited to ISO 17025 for soils and waters and MCERTS accredited for soils. Accreditation is matrix specific. | PM12 | In-house method based on USEPA 5021. Preparation of solid and liquid samples for headspace analysis. Samples are spiked with surrogates to facilitate quantification. ISO 17025 accredited extraction method. All accreditation is matrix specific | Yes | | AR | Yes |
| TM36 | In-House method based on USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-12 by headspace GC-FID. Accredited to ISO 17025 on soil and water samples and MCERTS accredited (carbon banding only) on soils. All accreditation is matrix specific. | PM12 | In-house method based on USEPA 5021. Preparation of solid and liquid samples for headspace analysis. Samples are spiked with surrogates to facilitate quantification. ISO 17025 accredited extraction method. All accreditation is matrix specific | | | AR | Yes |
| TM36 | In-House method based on USEPA 8015B. Determination of Gasoline Range Organics (GRO) in the carbon chain range of C5-12 by headspace GC-FID. Accredited to ISO 17025 on soil and water samples and MCERTS accredited (carbon banding only) on soils. All accreditation is matrix specific. | PM12 | In-house method based on USEPA 5021. Preparation of solid and liquid samples for headspace analysis. Samples are spiked with surrogates to facilitate quantification. ISO 17025 accredited extraction method. All accreditation is matrix specific | Yes | Yes | AR | Yes |
| TM38 | Ionic analysis using the Thermo Aquakem Photometric Automatic Analyser. Accredited to ISO17025 and MCERTS for most analytes. All accreditation is matrix specific. | PM20 | Solid samples are extracted with two parts de-ionised water to one part solid material for analysis of the extract for various parameters. | Yes | Yes | AD | Yes |
| TM38 | Ionic analysis using the Thermo Aquakem Photometric Automatic Analyser. Accredited to ISO17025 and MCERTS for most analytes. All accreditation is matrix specific. | PM60 | 1:2 soil to water extraction (as received sample) | Yes | Yes | AR | Yes |
| TM65 | Asbestos Bulk Identification | PM42 | Screening of soils for fibres | | | AR | |

**JE Job No:** 14/9692

| Test Method No. | Description | Prep Method No. (if appropriate) | Description | UKAS | MCERTS (soils only) | Analysis done on As Received (AR) or Dried (AD) | Reported on dry weight basis |
|---|---|---|---|---|---|---|---|
| TM65 | Asbestos Bulk Identification | PM42 | Screening of soils for fibres | Yes | | AR | |
| TM73 | pH in by Metrohm | PM11 | 1:2.5 soil/water extraction | Yes | Yes | AR | No |
| | | | | | | | |
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Method - PAH Analysis
Benz(a)anthracene/Chrysene Ratio
Fluoranthene/Pyrene Ratio
Used Engine Oils
Petroleum Combustion Products
Coal
Petroleum Products
Combustion Soots
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
geotechnics

# APPENDIX 10

## Investigation Techniques and General Notes

# *INVESTIGATION TECHNIQUES*

*INTRODUCTION*

*The following brief review of Ground Investigation techniques, generally used as part of most Site Investigations in the UK, summarises their methodology, advantages and limitations. Detailed descriptions of the techniques are available and can be provided on request. This review should be read in conjunction with the accompanying General Notes.*

*TRIAL PITS*

*The trial pit is amongst the most simple yet effective means of identifying shallow ground conditions on a site. Its advantages include simplicity, speed, potential accuracy and cost-effectiveness. The trial pit is most commonly formed using a backacting excavator which can typically determine ground conditions to some 4 metres below ground level. Hand excavation is often used to locate, expose and detail existing foundations, features or services. In general, it is difficult to extend pits significantly below the water table in predominantly granular soils, where flows can cause instability. Unless otherwise stated, the trial pits will not have been provided with temporary side support during their construction. Under such circumstances ground conditions to some 1.20 metres can be closely inspected, subject to stability assessment, but below this depth, entrance into the pit is not permitted in the absence of shoring and hence observations will have been made from ground surface and samples taken from the excavator bucket.*

*Trends in strata type, level and thickness can be determined, shear surfaces identified and the behaviour of plant, excavation sides and excavated materials can be related to the construction process. They are particularly valuable in land slip investigations. Some types of insitu test can be undertaken in such pits and large disturbed or block samples obtained.*

*CABLE PERCUSSION BORING*

*The light Cable Percussion technique of soft ground boring, typically at a diameter of 150mm, is a well established simple and flexible method of boring vertical holes and generally allows data to be obtained in respect of strata conditions other than rock. A tubular cutter (for cohesive soils) or shell with a flap valve (for granular soils) is repeatedly lifted and dropped using a winch and rope operating from an "A" frame. Soil which enters these tools is regularly removed and either sampled for subsequent examination or test, or laid to one side for backfilling. Steel casing will have been used to prevent collapse of the borehole sides where necessary. A degree of disturbance of soil and mixing of layers is inevitable and the presence of very thin layers of different soils within a particular stratum may not be identified. Changes in strata type can only be detected on recognition of a change in soil samples at surface, after the interface has been passed. For the foregoing reasons, depth measurements should not be considered to be more accurate than 0.10 metre.*

*In cohesive soils cylindrical samples are retrieved by driving or pushing in 100mm nominal diameter tubes. In soft soils, piston sampling or vane testing may be undertaken. In granular soils and often in cohesive materials, insitu Standard Penetration Tests (SPT's) are performed. The SPT records the number of standard blows required to drive a 50mm diameter open or cone ended probe for 300mm after an initial 150mm penetration. A modified method of recording is used in more dense strata. Small disturbed samples are obtained throughout.*

*The technique can determine ground conditions to depths in excess of 30 metres under suitable circumstances and usually causes less surface disturbance than trial pitting.*

*ROTARY DRILLING*

*Rotary Drilling to produce cores by rotating an annular diamond-impregnated tube or barrel into the ground is the technique most appropriate to the forming of site investigation boreholes through rock or other hard strata. It has the advantage of being able to be used vertically or at an angle. Core diameters of less than 100mm are most common for site investigation purposes. Core is normally retrieved in plastic lining tubes. A flushing fluid such as air, water or foam is used to cool the bit and carry cuttings to the surface.*

*Examination of cores allows detailed rock description and generally enables angled discontinuity surfaces to be observed. However, vertical holes do not necessarily reveal the presence of vertical or near-vertical fissures or joint discontinuities. The core type and/or techniques used. Where open hole rotary drilling is employed, descriptions of strata result from examination at surface of small particles ejected from the borehole in the flushing medium. In consequence, no indication of fissuring, bedding, consistency or degree of weathering can be obtained. Small scale plant can be used for auger drilling to limited depths where access is constrained.*

*Depths in excess of 60 metres can be achieved under suitable circumstances using rotary techniques, with minimal surface disturbance.*

*WINDOW SAMPLING*

*This technique involves the driving of an open-ended tube into the ground and retrieval of the soil which enters the tube. The term "window sample" arose from the original device which had a "window" or slot cut into the side of the tube through which samples were taken. This has now been superseded by the use of a thin-walled plastic liner within a sampler which has a solid wall. Diameters range from 36 to 86mm. Such samples can be used for qualitative logging, selection of samples for classification and chemical analysis and for obtaining a rudimentary assessment of strength.*

*Driving devices can be hand-held or machine mounted and the drive tubes are typically in 1m lengths. The hole formed is not cased, however, and hence the success of this technique is limited when soils and groundwater conditions are such that the sides of the hole collapse on withdrawal of the sampler. Obstructions within the ground, the density of the material or its strength can also limit the depth and rate of penetration of this light-weight investigation technique. Nevertheless, it is a valuable tool where access is constrained such as within buildings or on embankments. Depths of up to 8m can be achieved in suitable circumstances but depths of 4m to 6m are more common.*

*EXPLORATORY HOLE RECORDS*

*The data obtained by these techniques are generally presented on Trial Pit, Borehole, Drillhole or Window Sample Records. The descriptions of strata result from information gathered from a number of sources which may include published geological data, preliminary field observations and descriptions, insitu test results, laboratory test results and specimen descriptions. A key to the symbols and abbreviations used accompanies the records. The descriptions on the exploratory hole records accommodate but may not necessarily be identical to those on any preliminary records or the laboratory summaries.*

*The records show ground conditions at the exploratory hole locations. The degree to which they can be used to represent conditions between or beyond such holes, however, is a matter for geological interpretation rather than factual reporting and the associated uncertainties must be recognised.*

*DYNAMIC PROBING*

*This technique typically measures the number of blows of a standard weight falling over a standard height to advance a cone-ended rod over sequential standard distances (typically 100mm). Some devices measure the penetration of the probe per standard blow. It is essentially a profiling tool and is best used in conjunction with other investigation techniques where site-specific correlation can be used to delineate the distribution of soft or loose soils or the upper horizon of a dense or strong layer such as rock.*

*Both machine-driven and hand-driven equipment is available, the selection depending upon access restrictions and the depth of penetration required. It is particularly useful where access for larger equipment is not available, disturbance is to be minimised or where there are cost constraints. No samples are recovered and some techniques leave a sacrificial cone head in the ground. As with other lightweight techniques, progress is limited in strong or dense soils. The results are presented both numerically and graphically. Depths of up to 10m are commonly achieved in suitable circumstances.*

*The hand-driven DCP probing device has been calibrated by the TRL to provide a profile of CBR values over a range of depths of up to 1.50m.*

*INSTRUMENTATION*

*The most common form of instrument used in site investigation is either the standpipe or else the standpipe piezometer which can be installed in investigation holes. They are used to facilitate monitoring of groundwater levels and water sampling over a period of time following site work. Normally a standpipe would be formed using rigid plastic tubing which has been perforated or slotted over much of its length whilst a standpipe piezometer would have a filter tip which would be placed at a selected level and the hole sealed above and sometimes below to isolate the zone of interest. Groundwater levels are determined using an electronic "dipmeter" to measure the depth to the water surface from ground level. Piezometers can also be used to measure permeability. They are simple and inexpensive instruments for long term monitoring but response times can limit their use in tidal areas and access to the ground surface at each instrument is necessary. Remote reading requires more sophisticated hydraulic, electronic or pneumatic equipment.*

*Settlement can be monitored using surface or buried target plates whilst lateral movement over a range of depths is monitored using slip indicator or inclinometer equipment.*

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The Geotechnical Centre,
203 Torrington Avenue,
Tile Hill, Coventry. CV4 9AP

# GENERAL NOTES

1. *The report is prepared for the exclusive use of the Client named in the document and copyright subsists with Geotechnics Limited. Prior written permission must be obtained to reproduce all or part of the report. It is prepared on the understanding that its contents are only disclosed to parties directly involved in the current investigation, preparation and development of the site.*

2. *Further copies may be obtained with the Client's written permission, from Geotechnics Limited with whom the master copy of the document will be retained.*

3. *The report and/or opinion is prepared for the specific purpose stated in the document and in relation to the nature and extent of proposals made available to Geotechnics Limited at that time. Re-consideration will be necessary should those details change. The recommendations should not be used for other schemes on or adjacent to the site without further reference to Geotechnics Limited.*

4. *The assessment of the significance of the factual data, where called for, is provided to assist the Client and his Engineer and/or Advisers in the preparation of their designs.*

5. *The report is based on the ground conditions encountered in the exploratory holes together with the results of field and laboratory testing in the context of the proposed development. The data from any commissioned desk study and site reconnaissance are also drawn upon. There may be special conditions appertaining to the site, however, which are not revealed by the investigation and which may not be taken into account in the report.*

6. *Methods of construction and/or design other than those proposed by the designers or referred to in the report may require consideration during the evolution of the proposals and further assessment of the geotechnical and any geoenvironmental data would be required to provide discussion and evaluations appropriate to these methods.*

7. *The accuracy of results reported depends upon the technique of measurement, investigation and test used and these values should not be regarded necessarily as characteristics of the strata as a whole (see accompanying notes on Investigation Techniques). Where such measurements are critical, the technique of investigation will need to be reviewed and supplementary investigation undertaken in accordance with the advice of the Company where necessary.*

8. *The samples selected for laboratory test are prepared and tested in accordance with the relevant Clauses of BS 1377 Parts 1 to 8, where appropriate, in Geotechnics Limited's UKAS accredited Laboratory, where possible. A list of tests is given.*

9. *Tests requiring the use of another laboratory having UKAS accreditation where possible are identified.*

10. *Any unavoidable variations from specified procedures are identified in the report.*

11. *Specimens are cut vertically, where this is relevant and can be identified, unless otherwise stated.*

12. *All the data required by the test procedures are recorded on individual test sheets but the results in the report are presented in summary form to aid understanding and assimilation for design purposes. Where all details are required, these can be made available.*

13. *Whilst the report may express an opinion on possible configurations of strata between or beyond exploratory holes, or on the possible presence of features based on either visual, verbal, written, cartographical, photographic or published evidence, this is for guidance only and no liability can be accepted for its accuracy.*

14. *Classification of materials as Made Ground is based on the inspection of retrieved samples or exposed excavations. Where it is obvious that foreign matter such as paper, plastic or metal is present, classification is clear. Frequently, however, for fill materials that arise from the adjacent ground or from the backfilling of excavations, their visual characteristics can closely resemble those of undisturbed ground. Other evidence such as site history, exploratory hole location or other tests may need to be drawn upon to provide clarification. For these reasons, classification of soils on the exploratory hole records as either Made Ground or naturally occurring strata, the boundary between them and any interpretation that this gives rise to should be regarded as provisional and subject to re-evaluation in the light of further data.*

15. *The classification of materials as Topsoil is generally based on visual description and should not be interpreted to mean that the material so described complies with the criteria for Topsoil used in BS 3882 (2007). Specific testing would be necessary where such definition is a requirement.*

16. *Ground conditions should be monitored during the construction of the works and the report should be re-evaluated in the light of these data by the supervising geotechnical engineers.*

17. *Any comments on groundwater conditions are based on observations made at the time of the investigation, unless specifically stated otherwise. It should be noted, however, that the observations are subject to the method and speed of boring, drilling or excavation and that groundwater levels will vary due to seasonal or other effects.*

18. *Any bearing capacities for conventional spread foundations which are given in the report and interpreted from the investigation are for bases at a minimum depth of 1m below finished ground level in naturally occurring strata and at broadly similar levels throughout individual structures, unless otherwise stated. The foundations should be designed in accordance with the good practice embodied in BS 8004:1986 - Foundations, supplemented for housing by NHBC Standards. Foundation design is an iterative process and bearing pressures may need adjustment or other measures may need to be taken in the context of final layouts and levels prior to finalisation of proposals.*

19. *Unless specifically stated, the investigation does not take account of the possible effects of mineral extraction or of gases from fill or natural sources within, below or outside the site.*

20. *The costs or economic viability of the proposals referred to in the report, or of the solutions put forward to any problems encountered, will depend on very many factors in addition to geotechnical or geoenvironmental considerations and hence their evaluation is outside the scope of the report.*

# *SUPPLEMENTARY NOTES – ENVIRONMENTAL ASSESSMENT APPROACH*

### *1.0 Legal Framework*

*Land contamination forms an important part of Planning Regulations in that the local planning authority is required to consider the potential implications of contamination for both local development strategies and private planning applications, this process is detailed within Planning Policy and Guidance PPG23 (England and Wales) and Planning Advice Note PAN 33 (Scotland). Where contamination is suspected or known to exist on a development site, the planning authority may require an Environmental Site Investigation to be undertaken, This is usually undertaken as a three phase process as detailed below:*

*Phase 1 of the process is a desk study. This is intended to highlight the current and historical factors that may have lead to possible contamination of the site. In practice this is usually based on a professional assessment of the available information pertaining to the site from historical map sets, Local Authority records, Environment Agency records and various Governmental and Private databases of information, plus any information that may be in the hands of the current or previous site owner or anecdotal evidence resulting from a site visit and related enquiries. The aim at the end of Phase 1 is to produce a Site Conceptual Ground Model (CSM) detailing and assessing the risks the site may potentially pose to vulnerable receptors such as humans, groundwater, surface water, the ecology and the building environment on and around the site.*

*Phase 1 of the assessment is required to identify if any theoretical or potential contamination risks exist. These will need to be investigated to determine if it is an actual risk through a Phase 2 intrusive investigation. This generally involves observation and sampling of the soils, rocks and groundwater underlying ground by means of trial pits, window samples and/or boreholes. Depending on the nature of the site and the identified potential risks, it may also involve the installation and monitoring of standpipes in boreholes to enable monitoring to be carried out. The aim of Phase 2 is to revise and refine the site conceptual model (q.v.) and assess the potential risks in terms of the actual characteristics of the site and the nature and extent of any identified contamination. Phase 2 may therefore itself need to take several stages.*

*If at the end of Phase 2 a significant risk is deemed to be present, remediation may be required which would comprise Phase 3 of the process. This will generally involve the development of an agreed strategy to either remove or mitigate the source of contamination, or to ensure that it cannot reach the identified receptor. This would normally be undertaken by installing some kind of barrier, or it may involve removal of the receptor altogether such as by re-designing the layout of a development Such works and negotiations are not included in this quote and it should be recognised that they can be expensive. Extensive and detailed negotiation is often required with regulators such as the Environment Agency and Local Authority and may, for example, require computer modelling to be able to determine the effectiveness of the proposed strategy and/or monitoring of the site before, during and after the works to prove their effectiveness.*

*The approach that planning guidance currently requires applicants to follow is one of phased risk assessment and management. If the regulator is satisfied that the risk assessment concludes there is no or negligible risk from contamination, then no further work will be required beyond the risk assessment.*

*Part IIA of the Environmental Protection Act 1990 created both a regime and framework within which the identification and remediation of contaminated land can be undertaken. This is further refined through the use of guidance on specific aspects of the process produced by various authorising bodies.*

*Section 78A(2) of the Act defines contaminated land for the purposes of Part IIA as:*

*"any land which appears to the local authority in whose area it is situated to be in such a condition, by reason of substance in, on or under the land that:*

*a) significant harm is being caused or there is a significant possibility of such harm being caused;*
*or:*
*b) significant pollution of controlled waters is being, or is likely to be caused."*

*Part IIA is intended to complement the Planning Regime and both Part IIA and the Planning Regime are intended to embrace a "Suitable For Use" approach. . This uses the 'source-pathway-receptor' methodology to evaluate the potential risks. In the context of Part IIA and current government policy, action is necessary only where, through a pollutant linkage, there are unacceptable risks to health or the environment, taking in to account the current use of the land and its environmental setting.*

*In terms of non-planning investigations, these are usually undertaken for funding, insurance and costing purposes and are generally referred to as a pre-purchase investigation or pre-purchase audit. This type of study will attempt to determine the potential environmental and (to an extent) the geotechnical liabilities that may be associated with a proposed site purchase or redevelopment. As such it can also be used to give an indication of the feasibility of the development or purchase in environmental terms. Any works undertaken in this context would be undertaken in line with the relevant industry standards for such documents and in general accord with the principles of outlined in the rest of this note. Another general reason for undertaking an environmental investigation is usually associated with PPC or similar legislation whereby the ground state of a site must be ascertained before a licence for a potentially contaminative process can be granted. Such an investigation would be undertaken in line with the requirements of the current permitting requirements as outlined by the regulator and the general principles outlined in this note.*

*The Contaminated Land Exposure Assessment (CLEA) Project undertaken by the Environment Agency develops tools that provide a government supported methodology used to estimate the risks to humans from soil contamination. The 'Model Procedures for the Management of Land Contamination (CLR 11) 2004' has been developed by the Environment Agency to provide the Technical Framework for applying a Risk Management process when dealing with land potentially affected by contamination. The process involves identifying, making decisions on and taking appropriate action to deal with land contamination in a way that is consistent with current government policies and legislation in the UK. Supporting documents including Toxicology Data, Soil Guideline Values and Industry Profiles as well as the provision of modelling software to generate Site Specific Soil Assessment values, are referred to and utilised by Geotechnics Ltd and are available on the Environment Agency website.*

*All environmental works are undertaken according to the best practice, guidance, legislation and information available at the time of the fieldworks and/or production of the report. Such details do change over time and any conclusions or recommendations made verbally or in writing should always be viewed and considered in this light. Any information and/or opinion expressed in this document should not be used for any other purpose than that agreed and determined in the scope of works without prior agreement.*

## *2.0 Investigative Approach*

*All Geo-environmental Investigations undertaken by Geotechnics Ltd follow the principles and methodologies outlined in the 'Investigation of Potentially Contaminated Sites – Code of Practice (BS10175) (2001)' and as further detailed in the current Contaminated Land Exposure Assessment (CLEA) Project Guidance Documents, which are currently determined as UK best practice. All Phase 2 intrusive investigations should be undertaken and scopes determined by the findings of the Phase 1 investigation and more specifically the potentially significant linkages remaining from and identified during the initial risk assessment of the Conceptual Site Model. Where an initial model is not undertaken or the sampling and testing has been determined by others the results and conclusions should be viewed in this context and may not be sufficient to satisfy planning criteria. Where this is the case, this is noted in the main body of the text.*

## *3.0 Evaluation of Quantitative Baseline Data*

*The evaluation of baseline data collected during (or provided from) intrusive works are assessed by Geotechnics Ltd as outlined below and take into account the site specific conditions as determined from the CSM and the site findings, including any information made available on the proposed development.*

*Soils:*

*The CLEA UK model is based on four general land uses; Residential with Plant Uptake, Residential without Plant Uptake, Commercial/Industrial and Allotments. Each land use makes assumptions about the methods by which contamination can reach receptors and assumptions about the amounts each pathway can transmit in order to derive generic values for basic screening purposes. The model allows a Site Specific land use and exposure scenario to be specified and modelled with dependant options and pathways to be specified by the user to create a detailed and site specific screening value also known as a DQRA or detailed Quantitative Risk Assessment figure. Where possible, Geotechnics Ltd utilise the most appropriate general land use, and in cases of non-specific land uses choose the most sensitive option to initially screen analytical results.*

*At the time of writing, Soil Guideline Values (SGVs) have been published for five inorganic determinands; arsenic, cadmium, mercury, nickel, and selenium and six organic determinands; Benzene, Toluene, Xylene Phenol, Dioxins and Ethylbenzene. These values are provided mainly from the updated CLEA UK (V1.04) model as screening values and are generally considered conservative, hence where the SGVs are not exceeded, the risk to humans from long term exposure is considered low to negligible.*

*For substances for which there are no official published SGVs or for which updated published values are not yet available, comparison is made to the previously published guidance to give an indication of relative contaminant levels. Since in general, the updated published SGV's are returning new values higher than the previous values, the former are still considered reasonable for comparison and guidance. It is generally assumed at the time of writing that most current SGV's will probably increase rather than decrease. However, reassessment against the new screening values will be required as and when they become available.*

*Reference is also made to Generic Assessment Criteria (GAC) for Human Health (Chartered Institute of Environmental Health – LQM 2008) - GAC(LQM/CIEH) and The Soil Generic Assessment Criteria for Human Health Risk Assessment (CL:AIRE/AGS/EIC - 2009) collections of screening values derived using the current CLEA UK model and CLR assumptions but not formally adopted or endorsed by DEFRA or the EA. SGVs and GAC's both make assumptions about the methods by which contamination can reach receptors and assumptions about the amounts each pathway can transmit in order to derive generic values for basic screening purposes.*

*As part of the CLEA assessment process, statistical analysis of the results employs the concepts of the Mean Value Test and the Maximum Value Test, The Mean Value Test applies a factor to the results to account for inherent uncertainty and predominantly the limited number of trial holes and samples. The Mean Value Test gives a 95% confidence limit (known as a US95) that contaminant concentrations are likely to fall below this value at any particular point across the site. However, the Mean Value Test assumes that the data set will be "normally distributed". Where the result of the Mean Value Test is heavily biased as the result of a single high contaminant concentration value (i.e. where the data set does not appear to be statistically "normal"), the Maximum Value Test is used. The Maximum Value Test statistically determines whether the highest concentration recorded is likely to be a statistical outlier or not given the characteristics of the remainder of the data set. If proven to a suitable degree of confidence, the outlier value should be removed from the data used in the original Mean Value Test and the US95 should be recalculated. The results of both statistical methods are highly dependent on the size of the data set. Where such normalisation is undertaken it will be noted in the text of the report. In addition all less than detection limit values in any data set of analytical values will be converted into values equal to half of the detection limit before statistical analysis in accordance with current recommendations and guidance.*

*"Guidance on comparing soil contamination data with a critical concentration" (CL:AIRE/CIEH 2008) states that both the average for the data set and the calculated US95 value need to lie above the chosen guidance value before they are considered to be potentially significant for a normal data set. In this case the critical value is initially given as the appropriate SGV for the relevant contaminant and land use scenario. The SGV indicates the level for a given exposure scenario where there is unlikely to be any possibility of significant harm. Therefore where both the average and the US95 exceed the critical value, there is considered a possibility of harm which will require further and more detailed assessment or investigation. Due to copyright restrictions it is not possible to provide complete lists of contaminant SGVs and usually only those relevant to the investigation and analysis are quoted.*

*Groundwater:*

*In response to the EC Water Framework Directive 2000 (WFD) the appropriate regulatory bodies (EA in England and Wales, SEPA in Scotland) have produced a list of chemical substances and Environmental Quality Standards (EQS) consisting of maximum contaminant levels allowable to enter marine and freshwater environments. These form the basic screening values used by Geotechnics Limited to assist in the assessment of site and groundwater contamination. Waters are subject to separate requirements from soils in terms of monitoring and modelling to determine the concentrations of waters considered likely to reach marine or freshwater receptors. In general, such detailed modelling is only required to be undertaken if the site analytical results are significantly in excess of the agreed screening values determined by risk assessment of the site conceptual model and analytical results. Current best practice is therefore to undertake basic screening using Drinking Water Standards and Environmental Quality Standards to give a relative idea of the contamination and identify those contaminants that may be of potential concern should they reach a receptor. Like soil values, water values are subject to constant change and updating as new information becomes available and reassessment against new screening values may be required as and when they become available.*

*Controlled Waters for the purpose of this investigation are defined as any lake, pond, river or watercourse and groundwater. This therefore includes water contained within the saturated (phreatic) zone. Soil pore waters and waters contained within the unsaturated (vadose) zone are therefore outside the definition of controlled waters and as such are not considered as receptors.*

*Soil Gassing:*

*The results of ground gas monitoring are assessed through the calculation of a Gas Screening Value (GSV) in accordance with the requirements of ' Assessing Risks Posed by Hazardous Ground Gases to Buildings, CIRIA Report C665, CIRIA (2007)' , Guidance For Safe Development of Housing on Land Affected by Contamination, R & D Publication 66:2008, NHBC /EA (2008) and Code of Practice For the Characterization and Remediation from Ground Gas in Affected Developments BS8485, BSI, 2007. In addition and where relevant, reference is also made to The VOCs Handbook Ciria (2009). Where a value is less than the detection level of the instrument for a given parameter (such as flow), any subsequent statistical analysis or risk determination will be undertaken on the basis of the value being equal to the detection limit in accordance with current practice and guidance.*

*Geotechnics Limited can advise on potential mitigation measures for gas in accordance with BS8485 that may be suitable and provide examples, however it cannot determine the "best" method to use in a given circumstance. The final decision on what method (or combination of methods) to choose in a given circumstance to mitigate gas migration is influenced by many factors such as cost, sustainability, regulatory requirements, architectural, physical and aesthetic reasons normally considered beyond our control and outside the scope of our reports.*

## *4.0 Conceptual Site Model*

*In the formulation of a Site Specific Conceptual Site Model the 'Suitable For Use' approach is generally adopted whereby the condition of the land is appropriate and suitable so that it's use does not lead to a significantly increased risk of harm being caused by contamination. This is undertaken using the 'source-pathway-receptor' methodology. To create a potential link and therefore a potential risk between a source and a receptor that may be harmed by said source, a linkage or pathway between the two must be established. If there is no pathway, or the pathway is not considered to be significant, there is considered to be no significant risk. A contaminant, pathway and receptor must all be present for a pollutant linkage to exist. If the linkage is deemed to be potentially significant this can be used to determine land as potentially contaminated and requiring further investigation and/or remediation. Where any element of the source-pathway-receptor linkage is absent, there is considered to be negligible risk associated.*

*The Phase I Investigation develops the Preliminary or Initial Conceptual Site Model based on a qualitative Risk Assessment of the potential sources, pathways and receptors that may be affected, illustrates the potential linkages that may be present and provides a relative level of risk associated with the proposed development highlighting those links that may potentially be significant for further consideration or investigation. Intrusive Phases of the Site Investigation continue this process and provide further factual information about the site and allow a semi-quantitative Risk Assessment based on actual (as opposed to speculative) data to be undertaken. In this way the Conceptual Site Model can be consolidated, updated and refined giving a more accurate understanding of the associated risk. Most remediation undertaken in Phase 3 is therefore concerned with either removing sources, breaking linkages or on rare occasions removing or protecting receptors.*

*The Conceptual Model is a representation of the current understanding of the site and the surrounding environment. This includes and incorporates an understanding of the geology, groundwater, surface water bodies and potential contamination processes acting on and mobilising the substances present and the migration pathways. The model can be provided in a written format, tabular form and/or diagrammatically, though the latter is often recommended for all planning applications or public domain documents. Potential sources are mainly identified from a consideration of the historical and current uses of the land and surrounding area. When considering potential linkages, the CLEA model considers only certain pathways to be present and certain assumptions to be made as summarised in the table below for human health:*

| ***Pathway*** | ***Description*** | ***Assumptions*** |
|---|---|---|
| *Ingestion* | *Outdoor Soil* | *Contamination in top 0.1m of soil, 100% Bioaccessibility* |
| | *Indoor Soil* | |
| | *Consumption of home grown Vegetables* | *Contamination in top 0.5m of soil.* |
| | *Consumption of soil attached to home grown vegetables* | |
| *Dermal Contact* | *Outdoor Soil* | *Contamination in top 0.1m of soil, pathway not considered for metals.* |
| | *Indoor Soil* | |
| *Inhalation* | *Outdoor fugitive dust* | *Contamination in the top 0.1m of soil* |
| | *Indoor fugitive dust* | |
| | *Outdoor soil vapour* | *Contamination in top 1.0m of soil and constant source assumed.* |
| | *Indoor soil vapour* | |

*Likewise for water the following pathways are considered likely to exist on the majority of sites:*

| **Pathway** | **Description** |
|---|---|
| *Surface Water* | *Surface Runoff and overland flow* |
| | *Infiltration* |
| | *Via leaking sewers, pipes and tanks* |
| | *Migration through unsaturated zone* |
| *Groundwater* | *Fluctuating groundwater levels* |
| | *Leaching by groundwater* |
| | *Via leaking sewers, pipes and tanks* |
| | *Migration through unsaturated zone* |
| | *Capillary rise* |

*Where the proposals for the site include complete hardstanding, ingestion and outdoor dermal contact pathways are not considered likely to be present. If however soft landscaping is present, these potential pathways must be considered regardless of the model used. Pathways and receptors can and should be removed from consideration if there are significant land uses, distance or topographic variation between the site and the nearest potential receptor. Where pathways or receptors have been removed, this will be noted in the text.*

*Models may therefore also be produced to show how various phases, stages, works or proposed works may affect the initial or preliminary site conceptual model linkages. Whilst there is no official convention for naming subsequent, altered or updated versions of the model, they will normally be referenced in terms of the phase or part of the project they represent. Thus a model may pass through several stages beginning as an initial model, becoming a Phase 1 Assessment Model (reflecting the remaining significant linkages following the initial risk assessment), a Phase 2 Post Investigation Model, etc.*

*Geotechnics Limited may choose to diagrammatically represent the Conceptual Site Model using AutoCAD or KeyCSM. This latter program uses a database populated by the user to specifically facilitate the production of visual network and conceptual models. Most visual representations of models are not to scale and it should be noted that they are generally stylised and should not be taken as being fully inclusive of all potential linkages.*

# Appendix B

# Development Plans

Copyright of this drawing is vested in 5plus Architects and it must not be copied or reproduced without written consent.
Figured dimensions only are to be taken from this drawing. Do not scale from this drawing.

All Contractors must visit the site and are responsible for taking and checking all dimensions relative to their work. 5plus Architects are to be advised of any variation between drawings and site conditions.

Electronic data/ drawings issued as 'read only' and should not be interrogated for measurement.
All dimensions and levels should be 'read only' from those values stated in text, on the drawings

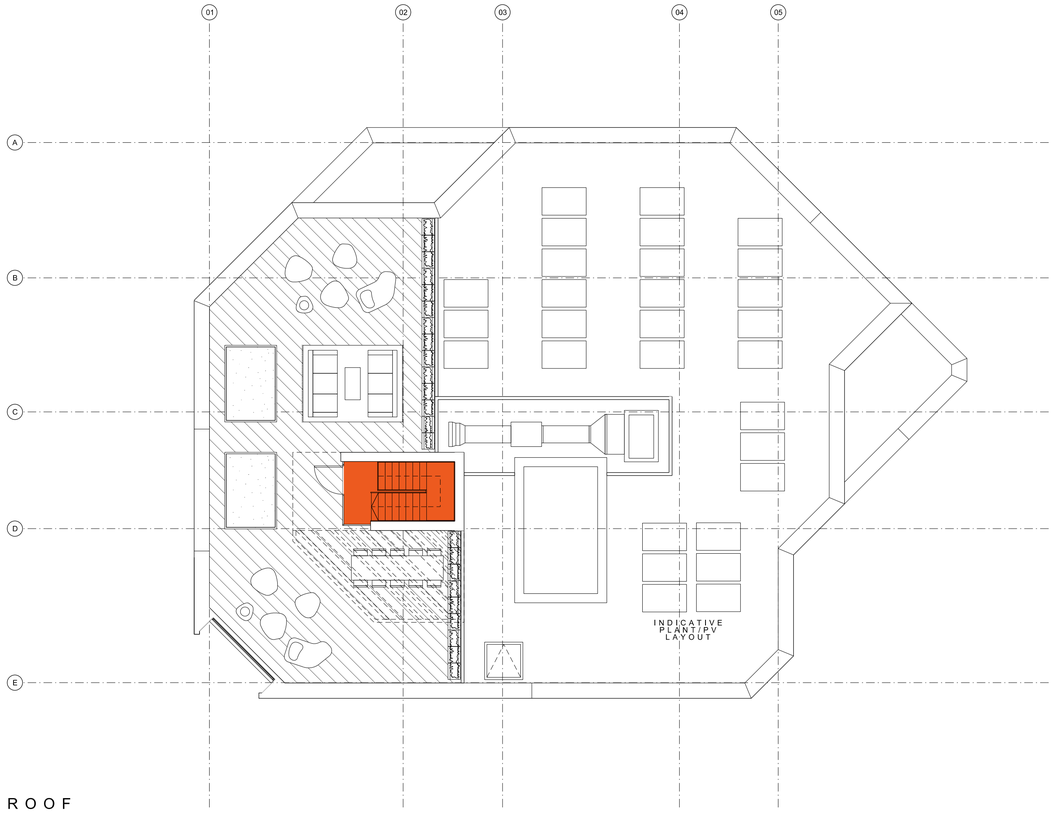
⚠ CONSTRUCTION - It is considered that the proposed works are within the scope of a competent Contractor and as such no unusual hazards have been identified, refer to relevant Keyr Scheduls/ Designers Risk Assessment

KEY PLAN:

- Application Boundary
- Studio
- One Bed Apartment
- Two Bed Apartment
- Two Bed Duplex
- Three Bed Duplex
- Reception
- Resident's Lounge
- Refuse / Cycle Store
- Plant Space
- Terrace



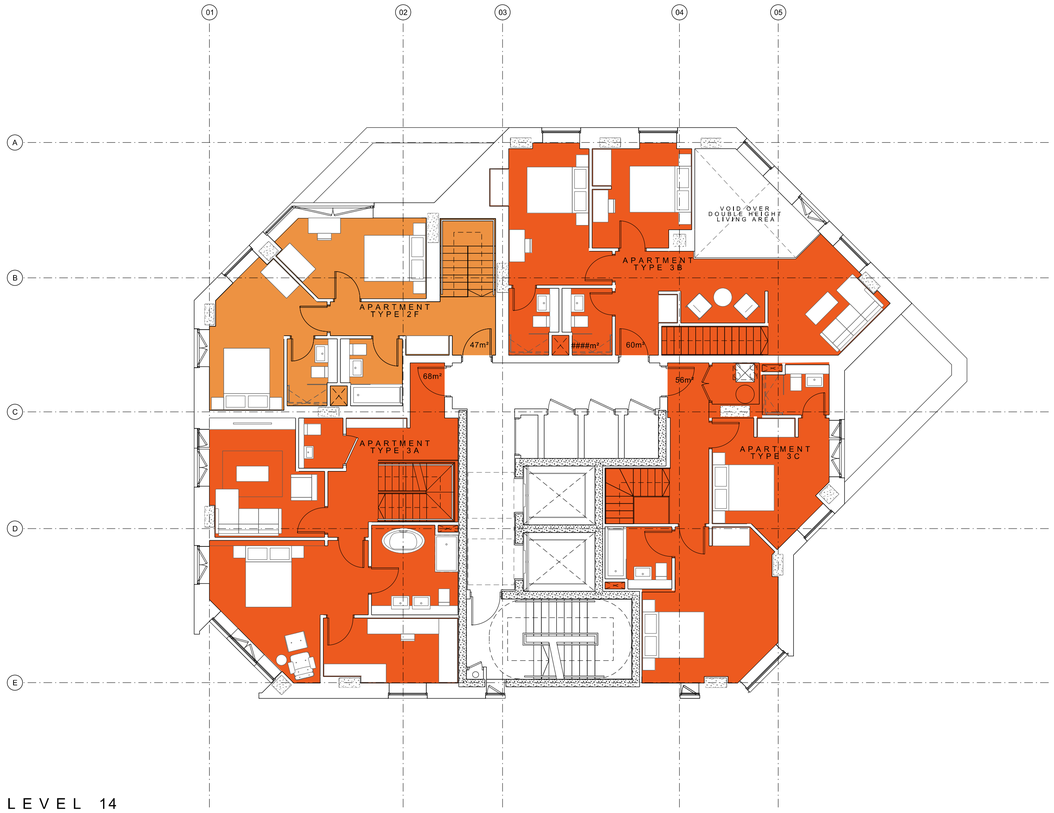

LEVEL 13




ROOF




LEVEL 12




LEVEL 14

| REV: | DATE: | DETAILS: |
|---|---|---|

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**Manchester.** 0161 228 0211
Fourth Floor, The Hive, 47 Lever Street, Manchester M1 1FN

**London.** 0207 253 7644
Third Floor, 25 Chart Street, London N1 6FA

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PROJECT:
M1 Piccadilly
Store Street

TITLE:
Proposed General Arrangement Plans
12-14th and Roof

| SCALE: | ORIGIN DATE: | DRAWN: | CHECKED: |
|---|---|---|---|
| 1:100 @ A1 | 01/06/21 | MS | PN |

STATUS:
Information

| PROJECT | DRAWING NO: | REV: |
|---|---|---|
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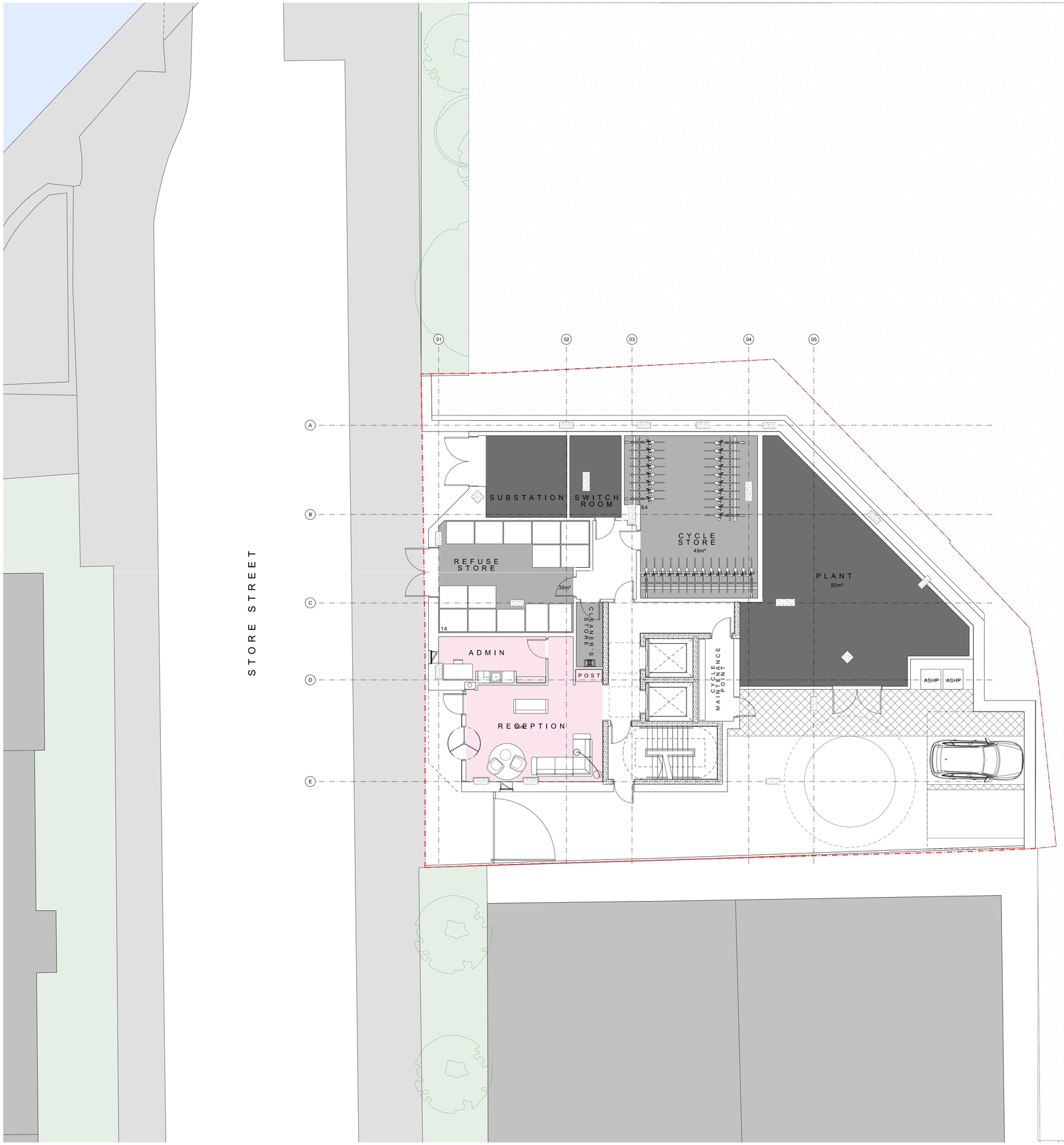
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CONSTRUCTION - It is considered that the proposed works are within the scope of a competent Contractor and as such no unusual hazards have been identified, refer to relevant Keyr Scheduled Designers Risk Assessment

KEY PLAN:

- Application Boundary
- Studio
- One Bed Apartment
- Two Bed Apartment
- Two Bed Duplex
- Three Bed Duplex
- Reception
- Resident's Lounge
- Refuse / Cycle Store
- Plant Space
- Terrace




| REV: | DATE: | DETAILS: |
|---|---|---|
| E | 01/06/21 | Issued for information. |
| D | 17/03/21 | Structural design added. Issued for information. |
| C | 05/03/21 | Issued for information. |
| B | 20/01/21 | Issued for information. |
| A | 03/11/20 | Indicative structural layout added |

5plus architects

**Manchester.** 0161 228 0211
Fourth Floor, The Hive, 47 Lever Street, Manchester M1 1FN

**London.** 0207 253 7644
Third Floor, 25 Chart Street, London N1 6FA

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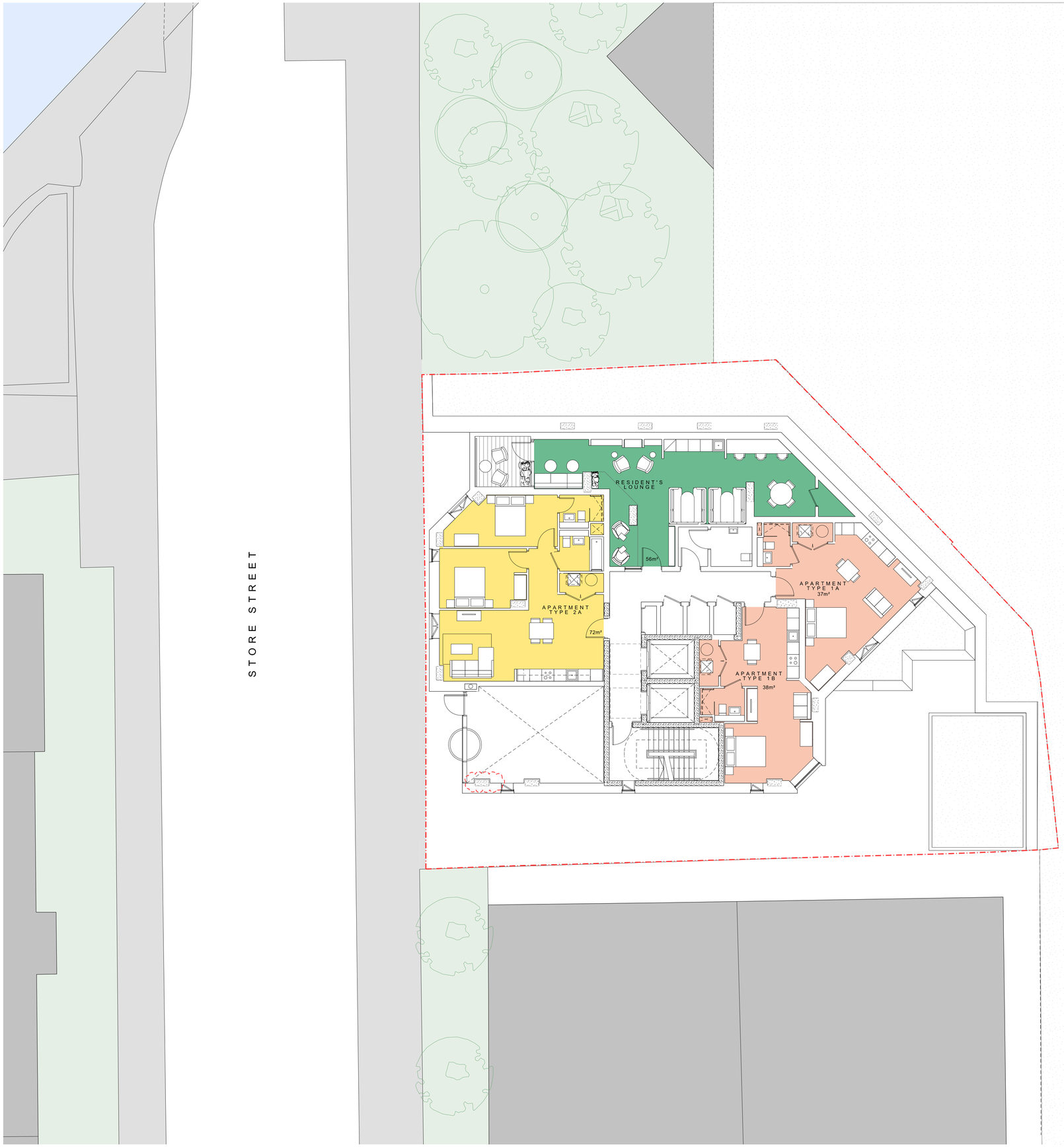
PROJECT:
M1 Piccadilly
Store Street

TITLE:
Proposed General Arrangement Plans
Ground Floor

| SCALE: | ORIGIN DATE: | DRAWN: | CHECKED: |
|---|---|---|---|
| 1:100 @ A1 | 22/10/20 | MS | PN |

STATUS:
Information

| PROJECT | DRAWING NO: | REV: |
|---|---|---|
| 05868_ | B1_02_2200 | E |




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CONSTRUCTION - It is considered that the proposed works are within the scope of a competent Contractor and as such no unusual hazards have been identified, refer to relevant Keyr Scheduled Designers Risk Assessment

KEY PLAN:

- Application Boundary
- Studio
- One Bed Apartment
- Two Bed Apartment
- Two Bed Duplex
- Three Bed Duplex
- Reception
- Resident's Lounge
- Refuse / Cycle Store
- Plant Space
- Terrace

| REV: | DATE: | DETAILS: |
|---|---|---|
| D | 01/06/21 | Issued for information |
| C | 27/05/21 | Issued for information |
| B | 20/04/21 | Issued for information |
| A | 29/03/21 | Issued for information |

5plus architects

**Manchester**, 0161 228 0211
Fourth Floor, The Hive, 47 Lever Street, Manchester M1 1FN

**London**, 0207 253 7644
Third Floor, 25 Chart Street, London N1 6FA

5plusarchitects.com

PROJECT:
M1 Piccadilly
Store Street

TITLE:
Proposed General Arrangement Plans
First Floor

| SCALE: | ORIGIN DATE: | DRAWN: | CHECKED: |
|---|---|---|---|
| 1:100 @ A1 | 22/10/20 | MS | PN |

STATUS:
Information

| PROJECT | DRAWING NO: | REV: |
|---|---|---|
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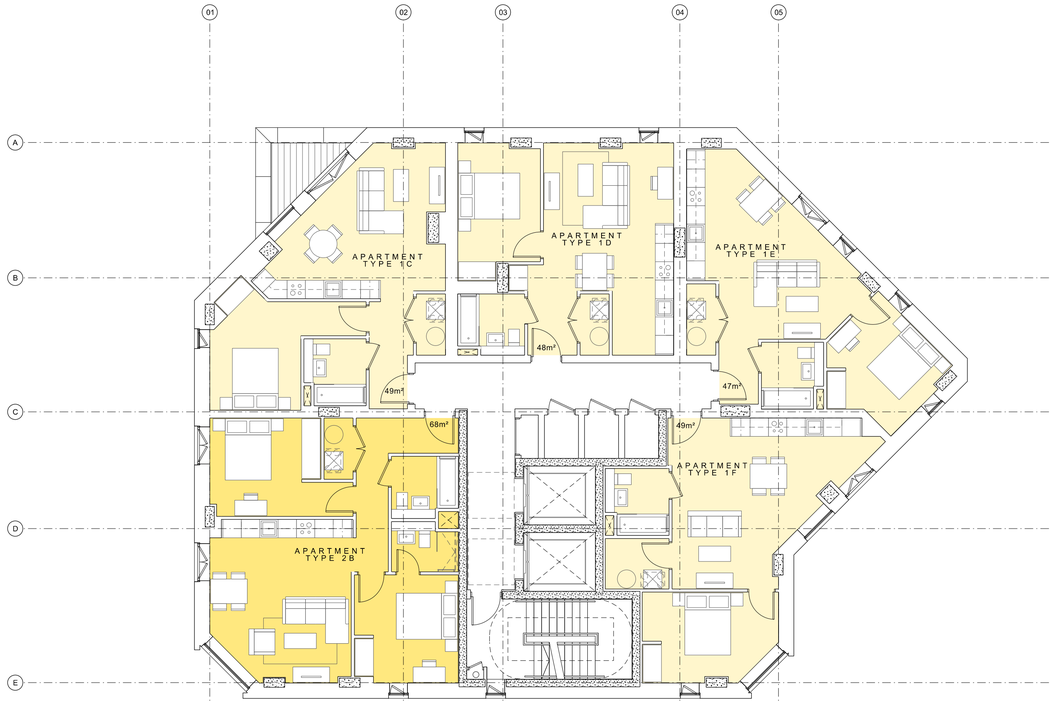
⚠ CONSTRUCTION - It is considered that the proposed works are within the scope of a competent Contractor and as such no unusual hazards have been identified, refer to relevant Keyr Schedule/ Designers Risk Assessment

KEY PLAN:

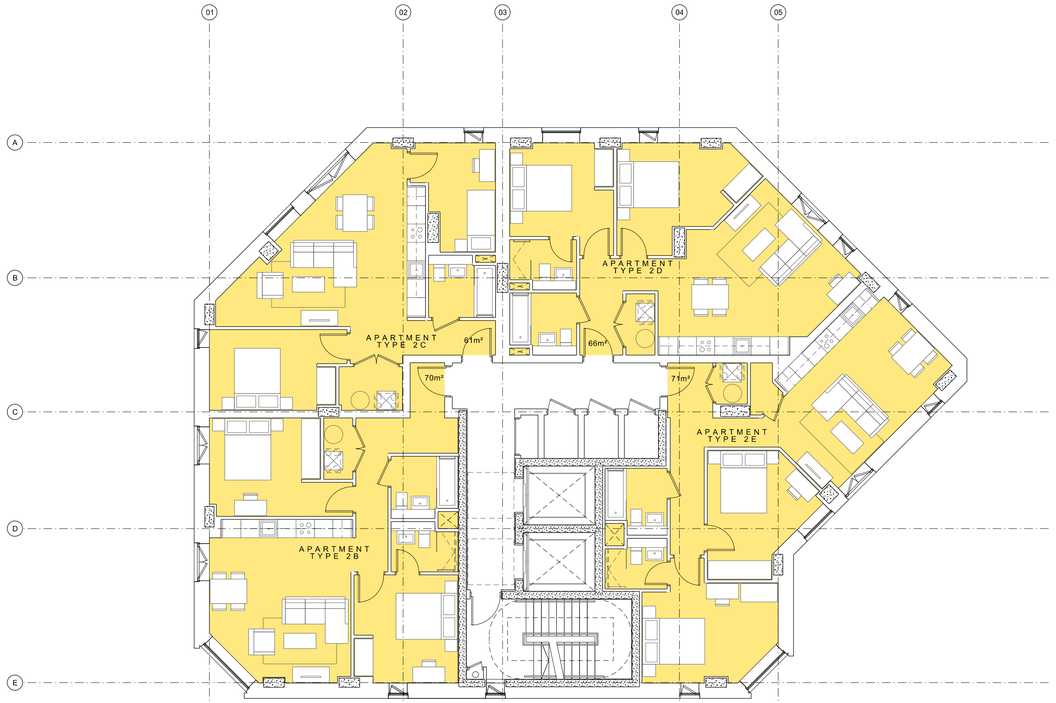
- Application Boundary
- Studio
- One Bed Apartment
- Two Bed Apartment
- Two Bed Duplex
- Three Bed Duplex
- Reception
- Resident's Lounge
- Refuse / Cycle Store
- Plant Space
- Terrace




FLOOR PLAN A
LEVEL 03 - 05




FLOOR PLAN A
LEVEL 02




FLOOR PLAN B
LEVEL 06 - 11

| REV: | DATE: | DETAILS: |
|---|---|---|
| D | 01/06/21 | Issued for information. |
| C | 20/04/21 | Issued for information. |
| B | 05/03/21 | Issued for information. |
| A | 20/01/21 | Issued for information. |

**5**plus architects

**Manchester.** 0161 228 0211
Fourth Floor, The Hive, 47 Lever Street, Manchester M1 1FN

**London.** 0207 253 7644
Third Floor, 25 Chart Street, London N1 6FA

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PROJECT:
M1 Piccadilly
Store Street

TITLE:
Proposed General Arrangement Plans
2nd - 11th Floor

| SCALE: | ORIGIN DATE: | DRAWN: | CHECKED: |
|---|---|---|---|
| 1:100 @ A1 | 22/10/20 | MS | PN |

STATUS:
Information

| PROJECT | DRAWING NO: | REV: |
|---|---|---|
| 05868_ | B1_02_2202 | D |

# Appendix C

# Generic Soil Assessment Criteria

Summary of Category 4 Screening Levels: 2015

| Substance | Residential (with home-grown produce) | Residential (without home-grown produce) | Allotments | Commercial | Public Open Space 1 | Public Open Space 2 |
|---|---|---|---|---|---|---|
| **Arsenic** | 37 mg/kg | 40 mg/kg | 49 mg/kg | 640 mg/kg | 79 mg/kg | 170 mg/kg |
| **Benzene** | 0.87 mg/kg | 3.3 mg/kg | 0.18 mg/kg | 98 mg/kg | 140 mg/kg | 230 mg/kg |
| **Benzo(a)pyrene** | 5.0 mg/kg | 5.3 mg/kg | 5.7 mg/kg | 77 mg/kg | 10 mg/kg | 21 mg/kg |
| **Cadmium** | 22 mg/kg | 150 mg/kg | 3.9 mg/kg | 410 mg/kg | 220 mg/kg | 880 mg/kg |
| **Chromium VI** | 21 mg/kg | 21 mg/kg | 170 mg/kg | 49 mg/kg | 21 mg/kg | 250 mg/kg |
| **Lead** | 200 mg/kg | 310 mg/kg | 80 mg/kg | 2300 mg/kg | 630 mg/kg | 1300 mg/kg |

# Summary Table for the Generic Assessment Criteria for Human Health Risk Assessment Land Quality Management (LQM) S4ULs.

*All GAC are based on sandy loam soils with a pH 7.*

| | Contaminant | SOM | LQM Generic Assessment Criteria (mg/kg) Dry weight soil | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Res + | Res - | Allot. | Comm. | $POS_{resi}$ | $POS_{park}$ |
| Metals | Inorganic Arsenic | 6% | 37 | 40 | 43 | 640 | 79 | 170 |
| | Beryllium | 6% | 1.7 | 1.7 | 35 | 12 | 2.2 | 63 |
| | Boron | 6% | 290 | 11,000 | 45 | 240,000 | 21,000 | 46,000 |
| | Cadmium | 6% | 11 | 85 | 1.9 | 190 | 120 | 532 |
| | Chromium (III) | 6% | 910 | 910 | 18,000 | 8,600 | 1,500 | 33,000 |
| | Chromium (VI) | 6% | 6.0 | 6.0 | 1.8 | 33 | 7.7 | 220 |
| | Copper | 6% | 2,400 | 7,100 | 520 | 68,000 | 12,000 | 44,000 |
| | Elemental Mercury | 6% | 1.2 | 1.2 | 21 | 58 (25.8) $^{vap}$ | 16 | 30 (25.8) $^{vap}$ |
| | Inorganic Mercury | 6% | 40 | 56 | 19 | 1,100 | 120 | 240 |
| | Methylmercury | 6% | 11 | 15 | 6.0 | 320 | 40 | 68 |
| | Nickel | 6% | 180 | 180 | 230 | 980 | 230 | 3,400 |
| | Selenium | 6% | 250 | 430 | 88 | 12,000 | 1,100 | 1,800 |
| | Vanadium | 6% | 410 | 1,200 | 91 | 9,000 | 2,000 | 5,000 |
| | Zinc | 6% | 3,700 | 40,000 | 620 | 730,000 | 81,000 | 170,000 |
| BTEX Compounds | Benzene | 1% | 0.087 | 0.38 | 0.017 | 27 | 72 | 90 |
| | | 2.5% | 0.17 | 0.70 | 0.034 | 47 | 72 | 100 |
| | | 6% | 0.37 | 1.4 | 0.075 | 90 | 73 | 110 |
| | Toluene | 1% | 130 | 880 (869) $^{vap}$ | 22 | 56,000 (869) $^{vap}$ | 56,000 | 87,000 (869) $^{vap}$ |
| | | 2.5% | 290 | 1,900 | 51 | 110,000 (1,920) $^{vap}$ | 56,000 | 95,000 (1,920) $^{vap}$ |
| | | 6% | 660 | 3,900 | 120 | 180,000 (4,360) $^{vap}$ | 56,000 | 100,000 (4,360) $^{vap}$ |
| | Ethylbenzene | 1% | 47 | 83 | 16 | 5,700 (518) $^{vap}$ | 24,000 | 17,000 (518) $^{vap}$ |
| | | 2.5% | 110 | 190 | 39 | 13,000 (1,220) $^{vap}$ | 24,000 | 22,000 (1,220) $^{vap}$ |
| | | 6% | 260 | 440 | 91 | 27,000 (2,840) $^{vap}$ | 25,000 | 27,000 (2,840) $^{vap}$ |
| | o-xylene | 1% | 60 | 88 | 28 | 6,600 (478) $^{sol}$ | 41,000 | 17,000 (478) $^{sol}$ |
| | | 2.5% | 140 | 210 | 67 | 15,000 (1,120) $^{sol}$ | 42,000 | 24,000 (1,120) $^{sol}$ |
| | | 6% | 330 | 480 | 160 | 33,000 (2,620) $^{sol}$ | 43,000 | 33,000 (2,620) $^{sol}$ |
| | m-xylene | 1% | 59 | 82 | 31 | 6,200 (625) $^{vap}$ | 41,000 | 17,000 (625) $^{vap}$ |
| | | 2.5% | 140 | 190 | 74 | 14,000 (1,470) $^{vap}$ | 42,000 | 24,000 (1,470) $^{vap}$ |
| | | 6% | 320 | 450 | 170 | 31,000 (3,460) $^{vap}$ | 43,000 | 32,000 (3,460) $^{vap}$ |
| | p-xylene | 1% | 56 | 79 | 29 | 5,900 (576) $^{sol}$ | 41,000 | 17,000 (576) $^{sol}$ |
| | | 2.5% | 130 | 180 | 69 | 14,000 (1,350) $^{sol}$ | 42,000 | 23,000 (1,350) $^{sol}$ |
| | | 6% | 310 | 430 | 160 | 30,000 (3,170) $^{sol}$ | 43,000 | 31,000 (3,170) $^{sol}$ |

**NOTES**

$^{Sol / vap}$ = solubility / vapour limit (potentially use if free product identified, although highly conservative).

*f* = oral, dermal and inhalation exposures compared to oral HCV.

*All GAC are based on sandy loam soils with a pH 7.*

| | Contaminant | SOM | LQM Generic Assessment Criteria (mg/kg) Dry weight soil | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Res + | Res - | Allot. | Comm. | $POS_{resi}$ | $POS_{park}$ |
| Polycyclic Aromatic Hydrocarbons (PAHs) | Acenaphthene | 1% | 210 | 3,000 (57.1) $^{sol}$ | 34 | 84,000 (57.0) $^{sol}$ | 15,000 | 29,000 |
| | | 2.5% | 510 | 4,700 (141) $^{sol}$ | 85 | 97,000 (141) $^{sol}$ | 15,000 | 30,000 |
| | | 6% | 1,100 | 6,000 (336) $^{sol}$ | 200 | 100,000 | 15,000 | 30,000 |
| | Acenaphthylene | 1% | 170 | 2,900 (86.1) $^{sol}$ | 28 | 83,000 (86.1) $^{sol}$ | 15,000 | 29,000 |
| | | 2.5% | 420 | 4,600 (212) $^{sol}$ | 69 | 97,000 (212) $^{sol}$ | 15,000 | 30,000 |
| | | 6% | 920 | 6,000 (506) $^{sol}$ | 160 | 100,000 | 15,000 | 30,000 |
| | Anthracene | 1% | 2,400 | 31,000 (1.17) $^{vap}$ | 380 | 520,000 | 74,000 | 150,000 |
| | | 2.5% | 5,400 | 35,000 | 950 | 540,000 | 74,000 | 150,000 |
| | | 6% | 11,000 | 37,000 | 2,200 | 540,000 | 74,000 | 150,000 |
| | Benz(a)anthracene | 1% | 7.2 | 11 | 2.9 | 170 | 29 | 49 |
| | | 2.5% | 11 | 14 | 6.5 | 170 | 29 | 56 |
| | | 6% | 13 | 15 | 13 | 180 | 29 | 62 |
| | Benzo(a)pyrene (only) | 1% | 2.2 | 3.2 | 0.97 | 35 | 5.7 | 11 |
| | | 2.5% | 2.7 | 3.2 | 2.0 | 35 | 5.7 | 12 |
| | | 6% | 3.0 | 3.2 | 3.5 | 36 | 5.7 | 13 |
| | Benzo(b)fluoranthene | 1% | 2.6 | 3.9 | 0.99 | 44 | 7.1 | 13 |
| | | 2.5% | 3.3 | 4.0 | 2.1 | 44 | 7.2 | 15 |
| | | 6% | 3.7 | 4.0 | 3.9 | 45 | 7.2 | 16 |
| | Benzo(ghi)perylene | 1% | 320 | 360 | 290 | 3,900 | 640 | 1,400 |
| | | 2.5% | 340 | 360 | 470 | 4,000 | 640 | 1,500 |
| | | 6% | 350 | 360 | 640 | 4,000 | 640 | 1,600 |
| | Benzo(k)fluoranthene | 1% | 77 | 110 | 37 | 1,200 | 190 | 370 |
| | | 2.5% | 93 | 110 | 75 | 1,200 | 190 | 410 |
| | | 6% | 100 | 110 | 130 | 1,200 | 190 | 440 |
| | Chrysene | 1% | 15 | 30 | 4.1 | 350 | 57 | 93 |
| | | 2.5% | 22 | 31 | 9.4 | 350 | 57 | 110 |
| | | 6% | 27 | 32 | 19 | 350 | 57 | 120 |
| | Dibenzo(ah)anthracene | 1% | 0.24 | 0.31 | 0.14 | 3.5 | 0.57 | 1.1 |
| | | 2.5% | 0.28 | 0.32 | 0.27 | 3.6 | 0.58 | 1.3 |
| | | 6% | 0.3 | 0.32 | 0.43 | 3.6 | 0.58 | 1.4 |
| | Fluoranthene | 1% | 280 | 1,500 | 52 | 23,000 | 3,100 | 6,300 |
| | | 2.5% | 560 | 1,600 | 130 | 23,000 | 3,100 | 6,300 |
| | | 6% | 890 | 1,600 | 290 | 23,000 | 3,100 | 6,400 |
| | Fluorene | 1% | 170 | 2,800 (36.0) $^{sol}$ | 27 | 63,000 (30.9) $^{sol}$ | 9,900 | 20,000 |
| | | 2.5% | 400 | 3,800 (76.5) $^{sol}$ | 67 | 68,000 | 9,900 | 20,000 |
| | | 6% | 860 | 4,500 (183) $^{sol}$ | 160 | 71,000 | 9,900 | 20,000 |
| | Indeno(123-cd)pyrene | 1% | 27 | 45 | 9.5 | 500 | 82 | 150 |
| | | 2.5% | 36 | 46 | 21 | 510 | 82 | 170 |
| | | 6% | 41 | 46 | 39 | 510 | 82 | 180 |
| | Naphthalene | 1% | 2.3 $^{f}$ | 2.3 $^{f}$ | 4.1 $^{f}$ | 190 $^{f}$ (76.4) $^{sol}$ | 4,900 $^{f}$ | 1,200 $^{f}$ (76.4) $^{sol}$ |
| | | 2.5% | 5.6 $^{f}$ | 5.6 $^{f}$ | 10 $^{f}$ | 460 $^{f}$ (183) $^{sol}$ | 4,900 $^{f}$ | 1,900 $^{f}$ (183) $^{sol}$ |
| | | 6% | 13 $^{f}$ | 13 $^{f}$ | 24 $^{f}$ | 1,100 $^{f}$ (432) $^{sol}$ | 4,900 $^{f}$ | 3,000 |
| | Phenanthrene | 1% | 95 | 1,300 (36.0) $^{sol}$ | 15 | 22,000 | 3,100 | 6,200 |
| | | 2.5% | 220 | 1,500 | 38 | 22,000 | 3,100 | 6,200 |
| | | 6% | 440 | 1,500 | 90 | 22,000 | 3,100 | 6,300 |
| | Pyrene | 1% | 620 | 3,700 | 110 | 54,000 | 7,400 | 15,000 |
| | | 2.5% | 1,200 | 3,800 | 270 | 54,000 | 7,400 | 15,000 |
| | | 6% | 2,000 | 3,800 | 620 | 54,000 | 7,400 | 15,000 |
| | Coal Tar (B(a)P as surrogate marker) | 1% | 0.79 | 1.2 | 0.32 | 15 | 2.2 | 4.4 |
| | | 2.5% | 0.98 | 1.2 | 0.67 | 15 | 2.2 | 4.7 |
| | | 6% | 1.1 | 1.2 | 1.2 | 15 | 2.2 | 4.8 |

**NOTES**

$^{sol / vap}$ = solubility / vapour limit (potentially use if free product identified, although highly conservative).

*f* = naphthalene is based on comparison of inhalation exposure with $TDI_{inhal}$ for localised effect.

*All GAC are based on sandy loam soils with a pH 7.*

**LQM Generic Assessment Criteria (mg/kg) Dry weight soil**

| | Contaminant | SOM | Res + | Res - | Allot. | Comm. | $POS_{resi}$ | $POS_{park}$ |
|---|---|---|---|---|---|---|---|---|
| Petroleum Hydrocarbons | **Aliphatic** | | | | | | | |
| | EC 5-6 | 1% | 42 | 42 | 730 | 3,200 (304) $^{sol}$ | 570,000(304)$^{sol}$ | 95,000 (304) $^{sol}$ |
| | EC>6-8 | 1% | 100 | 100 | 2,300 | 7,800 (144) $^{sol}$ | 600,000 | 150,000 (144) $^{sol}$ |
| | EC>8-10 | 1% | 27 | 27 | 320 | 2,000 (78) $^{sol}$ | 13,000 | 14,000 (78) $^{vap}$ |
| | EC>10-12 | 1% | 130 (48) $^{vap}$ | 130 (48) $^{vap}$ | 2,200 | 9,700 (48) $^{sol}$ | 13,000 | 21,000 (48) $^{vap}$ |
| | EC>12-16 | 1% | 1,100 (24) $^{sol}$ | 1,100 (24) $^{sol}$ | 11,000 | 59,000 (24) $^{sol}$ | 13,000 | 25,000 (24) $^{sol}$ |
| | EC>16-35 | 1% | 65,000 (8.48) $^{f,sol}$ | 65,000 (8.48) $^{f,sol}$ | 260,000 $^{f}$ | 160,000 $^{f}$ | 250,000 $^{f}$ | 450,000 $^{f}$ |
| | EC>35-44 | 1% | 65,000 (8.48) $^{f,sol}$ | 65,000 (8.48) $^{f,sol}$ | 260,000 $^{f}$ | 160,000 $^{f}$ | 250,000 $^{f}$ | 450,000 $^{f}$ |
| | **Aliphatic** | | | | | | | |
| | EC 5-6 | 2.5% | 78 | 78 | 1,700 | 5,900 (558) $^{sol}$ | 590,000 | 130,000 (558) $^{sol}$ |
| | EC>6-8 | 2.5% | 230 | 230 | 5,600 | 17,000 (322) $^{sol}$ | 610,000 | 220,000 (322) $^{sol}$ |
| | EC>8-10 | 2.5% | 65 | 65 | 770 | 4,800 (190) $^{vap}$ | 13,000 | 18,000 (190) $^{vap}$ |
| | EC>10-12 | 2.5% | 330 (118) $^{vap}$ | 330 (118) $^{vap}$ | 4,400 | 23,000 (118) $^{vap}$ | 13,000 | 23,000 (118) $^{vap}$ |
| | EC>12-16 | 2.5% | 2,400 (59) $^{sol}$ | 2,400 (59) $^{sol}$ | 13,000 | 82,000 (59) $^{sol}$ | 13,000 | 25,000 (59) $^{sol}$ |
| | EC>16-35 | 2.5% | 92,000 (21) $^{f,sol}$ | 92,000 (21) $^{f,sol}$ | 270,000 $^{f}$ | 1,700,000 $^{f}$ | 250,000 $^{f}$ | 480,000 $^{f}$ |
| | EC>35-44 | 2.5% | 92,000 (21) $^{f,sol}$ | 92,000 (21) $^{f,sol}$ | 270,000 $^{f}$ | 1,700,000 $^{f}$ | 250,000 $^{f}$ | 480,000 $^{f}$ |
| | **Aliphatic** | | | | | | | |
| | EC 5-6 | 6% | 160 | 160 | 3,900 | 12,000 (1,150) $^{sol}$ | 600,000 | 180,000 (1,150) $^{sol}$ |
| | EC>6-8 | 6% | 530 | 530 | 13,000 | 40,000 (736) $^{sol}$ | 620,000 | 320,000 (736) $^{sol}$ |
| | EC>8-10 | 6% | 150 | 150 | 1,700 | 11,000 (451) $^{vap}$ | 13,000 | 21,000 (451) $^{vap}$ |
| | EC>10-12 | 6% | 760 (283) $^{vap}$ | 760 (283) $^{vap}$ | 7,300 | 47,000 (283) $^{vap}$ | 13,000 | 24,000 (283) $^{vap}$ |
| | EC>12-16 | 6% | 4,300 (142) $^{sol}$ | 4,400 (142) $^{sol}$ | 13,000 | 90,000 (142) $^{sol}$ | 13,000 | 26,000 (142) $^{sol}$ |
| | EC>16-35 | 6% | 110,000$^{f}$ | 110,000$^{f}$ | 270,000 $^{f}$ | 1,800,000$^{f}$ | 250,000 $^{f}$ | 490,000 $^{f}$ |
| | EC>35-44 | 6% | 110,000$^{f}$ | 110,000$^{f}$ | 270,000 $^{f}$ | 1,800,000$^{f}$ | 250,000 $^{f}$ | 490,000 $^{f}$ |
| | | | | | | | | |
| | **Aromatic** | | | | | | | |
| | EC5-7(benzene as non-threshold) | 1% | 70 | 370 | 13 | 26,000 (1,220) $^{sol}$ | 56,000 | 76,000 (1,220) $^{sol}$ |
| | EC>7-8(toluene) | 1% | 130 | 860 | 22 | 56,000 (869) $^{vap}$ | 56,000 | 87,000 (869) $^{vap}$ |
| | EC>8-10 | 1% | 34 | 47 | 8.6 | 3,500 (613) $^{vap}$ | 5,000 | 7,200 (613) $^{vap}$ |
| | EC>10-12 | 1% | 74 | 250 | 13 | 16,000 (364) $^{sol}$ | 5,000 | 9,200 (364) $^{sol}$ |
| | EC>12-16 | 1% | 140 | 1,800 | 23 | 36,000 (169 ) $^{sol}$ | 5,100 | 10,000 |
| | EC>16-21 | 1% | 260 $^{f}$ | 1,900 $^{f}$ | 46 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,600 $^{f}$ |
| | EC>21-35 | 1% | 1,100 $^{f}$ | 1,900 $^{f}$ | 370 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,800 $^{f}$ |
| | EC>35-44 | 1% | 1,100 $^{f}$ | 1,900 $^{f}$ | 370$^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,800 $^{f}$ |
| | **Aromatic** | | | | | | | |
| | EC5-7(benzene as non-threshold) | 2.5% | 140 | 690 | 27 | 46,000 (2,260) $^{sol}$ | 56,000 | 84,000 (2,260) $^{sol}$ |
| | EC>7-8(toluene) | 2.5% | 290 | 1,800 | 51 | 110,000 (1,920) $^{sol}$ | 56,000 | 95,000 (1,920) $^{sol}$ |
| | EC>8-10 | 2.5% | 83 | 110 | 21 | 8,100 (1,500) $^{vap}$ | 5,000 | 8,500 (1,500) $^{vap}$ |
| | EC>10-12 | 2.5% | 180 | 590 | 31 | 28,000 (899) $^{sol}$ | 5,000 | 9,700 (899) $^{sol}$ |
| | EC>12-16 | 2.5% | 330 | 2,300 (419) $^{sol}$ | 57 | 37,000 | 5,100 | 10,000 |
| | EC>16-21 | 2.5% | 540 $^{f}$ | 1,900 $^{f}$ | 110 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,700 $^{f}$ |
| | EC>21-35 | 2.5% | 1,500 $^{f}$ | 1,900 $^{f}$ | 820 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,800 $^{f}$ |
| | EC>35-44 | 2.5% | 1,500 $^{f}$ | 1,900 $^{f}$ | 820 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,800 $^{f}$ |
| | **Aromatic** | | | | | | | |
| | EC5-7(benzene as non-threshold) | 6% | 300 | 1,400 | 57 | 86,000 (4,710) $^{sol}$ | 56,000 | 92,000 (4,710) $^{sol}$ |
| | EC>7-8(toluene) | 6% | 660 | 3,900 | 120 | 180,000 (4,360) $^{vap}$ | 56,000 | 100,000 (4,360) $^{vap}$ |
| | EC>8-10 | 6% | 190 | 270 | 51 | 17,000 (3,580) $^{vap}$ | 5,000 | 9,300 (3,580) $^{vap}$ |
| | EC>10-12 | 6% | 380 | 1,200 | 4 | 34,000 (2,150) $^{sol}$ | 5,000 | 10,000 |
| | EC>12-16 | 6% | 660 | 2,500 | 130 | 38,000 | 5,100 | 10,000 |
| | EC>16-21 | 6% | 930$^{f}$ | 1,900 $^{f}$ | 260 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,800 $^{f}$ |
| | EC>21-35 | 6% | 1,700 $^{f}$ | 1,900 $^{f}$ | 1,600 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,900 $^{f}$ |
| | EC>35-44 | 6% | 1,700 $^{f}$ | 1,900 $^{f}$ | 1,600 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,900 $^{f}$ |
| | Aliphatic +Aromatic >EC44 | 1% | 1,600 $^{f}$ | 1,900 $^{f}$ | 1,200 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,800 $^{f}$ |
| | | 2.5% | 1,800 $^{f}$ | 1,900 $^{f}$ | 2,100 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,800 $^{f}$ |
| | | 6% | 1,900 $^{f}$ | 1,900 $^{f}$ | 3,000 $^{f}$ | 28,000 $^{f}$ | 3,800 $^{f}$ | 7,900 $^{f}$ |

**NOTES**

$^{Sol\ /\ vap}$ = solubility / vapour limit (potentially use if free product identified, although highly conservative).

*f* = oral, dermal and inhalation exposures compared to oral HCV.

*All GAC are based on sandy loam soils with a pH 7.*

| | Contaminant | SOM | LQM Generic Assessment Criteria (mg/kg) Dry weight soil | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Res + | Res - | Allot. | Comm. | $POS_{resi}$ | $POS_{park}$ |
| Chloalkanes and Alkenes & Explosives | 1,2 Dichloroethane (DCA) | 1% | 7.1E-03 | 9.2E-03 | 4.6E-03 | 0.67 | 29 | 21 |
| | | 2.5% | 1.1E-02 | 1.3E-02 | 8.3E-03 | 0.97 | 29 | 24 |
| | | 6% | 1.9E-02 | 2.3E-02 | 1.6E-02 | 1.7 | 29 | 28 |
| | 1,1,1 Trichloroethane (TCA) | 1% | 8.8 | 9.0 | 48 | 660 | 140,000 | 57,000 (1,425) vap |
| | | 2.5% | 18 | 18 | 110 | 1,300 | 140,000 | 76,000 (2,915) vap |
| | | 6% | 39 | 40 | 240 | 3,000 | 140,000 | 100,000 (6,392) vap |
| | 1,1,2,2-Tetrachloroethanes (PCA) | 1% | 1.6 | 3.9 | 0.41 | 270 | 1,400 | 1,800 |
| | | 2.5% | 3.4 | 8.0 | 0.89 | 550 | 1,400 | 2,100 |
| | | 6% | 7.5 | 17 | 2.0 | 1,100 | 1,400 | 2,300 |
| | 1,1,1,2-Tetrachloroethanes (PCA) | 1% | 1.2 | 1.5 | 0.79 | 110 | 1,400 | 1,500 |
| | | 2.5% | 2.8 | 3.5 | 1.9 | 250 | 1,400 | 1,800 |
| | | 6% | 6.4 | 8.2 | 4.4 | 560 | 1,400 | 2,100 |
| | Tetrachloroethene (PCE) | 1% | 0.18 | 0.18 | 0.65 | 19 | 1,400 | 810 (424) sol |
| | | 2.5% | 0.39 | 0.40 | 1.5 | 42 | 1,400 | 1,100 (951) sol |
| | | 6% | 0.90 | 0.92 | 3.6 | 95 | 1,400 | 1,500 |
| | Tetrachloromethane (carbon tetrachloride) | 1% | 2.6E-02 | 2.6E-02 | 0.45 | 2.9 | 890 | 190 |
| | | 2.5% | 5.6E-02 | 5.6E-02 | 1.0 | 6.3 | 920 | 270 |
| | | 6% | 0.13 | 0.13 | 2.4 | 14 | 950 | 400 |
| | Trichloroethene (TCE) | 1% | 1.6E-02 | 1.7E-02 | 4.1E-02 | 1.2 | 120 | 70 |
| | | 2.5% | 3.4E-02 | 3.6E-02 | 9.1E-02 | 2.6 | 120 | 91 |
| | | 6% | 7.5E-02 | 8.0E-02 | 0.21 | 5.7 | 120 | 120 |
| | Trichloromethane (chloroform) | 1% | 0.91 | 1.2 | 0.42 | 99 | 2,500 | 2,600 |
| | | 2.5% | 1.7 | 2.1 | 0.83 | 170 | 2,500 | 2,800 |
| | | 6% | 3.4 | 4.2 | 1.7 | 350 | 2,500 | 3,100 |
| | Chloroethene (vinyl chloride) | 1% | 6.4E-04 | 7.7E-04 | 5.5E-04 | 5.9E-02 | 3.5 | 4.8 |
| | | 2.5% | 8.7E-04 | 1.0E-03 | 1.0E-03 | 7.7E-02 | 3.5 | 5.0 |
| | | 6% | 1.4E-03 | 1.5E-03 | 1.8E-03 | 0.12 | 3.5 | 5.4 |
| | 2,4,6-Trinitritoluene (TNT) | 1% | 1.6 | 65 | 0.24 | 1,000 | 130 | 260 |
| | | 2.5% | 3.7 | 66 | 0.58 | 1,000 | 130 | 270 |
| | | 6% | 8.1 | 66 | 1.4 | 1,000 | 130 | 270 |
| | RDX | 1% | 120 | 13,000 | 17 | 210,000 | 26,000 | 49,000 (18.7) sol |
| | | 2.5% | 250 | 13,000 | 38 | 210,000 | 26,000 | 51,000 |
| | | 6% | 540 | 13,000 | 85 | 210,000 | 27,000 | 53,000 |
| | HMX | 1% | 5.7 | 6,700 | 0.86 | 110,000 | 13,000 | 23,000 (0.35) vap |
| | | 2.5% | 13 | 6,700 | 1.9 | 110,000 | 13,000 | 23,000 (0.39) vap |
| | | 6% | 26 | 6,700 | 3.9 | 110,000 | 13,000 | 24,000 (0.48) vap |
| Pesticides | Aldrin | 1% | 5.7 | 7.3 | 3.2 | 170 | 18 | 30 |
| | | 2.5% | 6.6 | 7.4 | 6.1 | 170 | 18 | 31 |
| | | 6% | 7.1 | 7.5 | 9.8 | 170 | 18 | 31 |
| | Dieldrin | 1% | 0.97 | 7.0 | 0.17 | 170 | 18 | 30 |
| | | 2.5% | 2.0 | 7.3 | 0.41 | 170 | 18 | 30 |
| | | 6% | 3.5 | 7.4 | 0.96 | 170 | 18 | 31 |
| | Atrazine | 1% | 3.3 | 610 | 0.5 | 9,300 | 1,200 | 2,300 |
| | | 2.5% | 7.8 | 620 | 1.2 | 9,400 | 1,200 | 2,400 |
| | | 6% | 17.4 | 620 | 2.7 | 9,400 | 1,200 | 2,400 |
| | Dichlorvos | 1% | 3.2E-02 | 6.4 | 4.9E-03 | 140 | 16 | 26 |
| | | 2.5% | 6.6E-02 | 6.5 | 1.0E-02 | 140 | 16 | 26 |
| | | 6% | 0.14 | 6.6 | 2.2E-02 | 140 | 16 | 27 |
| | Endosulfanns (2 isomers) | 1% | 7.4 | 160 (3.0E-03) vap | 1.2 | 5,600 (3.0E-03) vap | 1,200 | 2,300 |
| | | 2.5% | 18 | 280 (7.0E-03) vap | 2.9 | 7,400 (7.0E-03) vap | 1,200 | 2,400 |
| | | 6% | 41 | 410 (1.6E-02) vap | 6.8 | 8,400 (1.6E-02) vap | 1,200 | 2,500 |
| | Hexachlorocyclohexane (3 isomers), inc Lindane | 1% | 8.5E-02 | 3.7 | 1.3E-02 | 65 | 8.1 | 15 |
| | | 2.5% | 0.2 | 3.8 | 3.2E-02 | 65 | 8.1 | 15 |
| | | 6% | 0.46 | 3.8 | 7.7E-02 | 65 | 8.1 | 16 |

**NOTES**

Sol / vap = solubility / vapour limit (potentially use if free product identified, although highly conservative).

*All GAC are based on sandy loam soils with a pH 7.*

| | Contaminant | SOM | LQM Generic Assessment Criteria (mg/kg) Dry weight soil | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Res + | Res - | Allot. | Comm. | $POS_{resi}$ | $POS_{park}$ |
| Chlorobenzenes | Chlorobenzene | 1% | 0.46 | 0.46 | 5.9 | 56 | 11,000 | 1,300 (675) $^{sol}$ |
| | | 2.5% | 1.0 | 1.0 | 14 | 130 | 13,000 | 2,000 (1,520) $^{sol}$ |
| | | 6% | 2.4 | 2.4 | 32 | 290 | 14,000 | 2,900 |
| | Dichlorobenzenes (3 isomers) | 1% | 23 | 24 | 94 | 2,000 (571) $^{sol}$ | 90,000 | 24,000 (571) $^{sol}$ |
| | | 2.5% | 55 | 57 | 230 | 4,800 (1,370) $^{sol}$ | 95,000 | 36,000 (1,370) $^{sol}$ |
| | | 6% | 130 | 130 | 540 | 11,000 (3,240) $^{sol}$ | 98,000 | 51,000 (3,270) $^{sol}$ |
| | Trichlorobenzenes (3 isomers) | 1% | 2.6 | 2.6 | 55 | 220 | 15,000 | 1,700 (318) $^{vap}$ |
| | | 2.5% | 6.4 | 6.4 | 140 | 530 | 17,000 | 2,600 (786) $^{vap}$ |
| | | 6% | 15 | 15 | 320 | 1,300 | 19,000 | 4,000 (1,880) $^{vap}$ |
| | Tetrachlorobenzenes (3 isomers) | 1% | 0.66 | 0.75 | 0.38 | 49 (39.4) $^{vap}$ | 78 | 110 (39) $^{vap}$ |
| | | 2.5% | 1.6 | 1.9 | 0.90 | 120 (98.1) $^{vap}$ | 79 | 120 |
| | | 6% | 3.7 | 4.3 | 2.2 | 240 (235) $^{vap}$ | 79 | 130 |
| | Pentachlorobenzene | 1% | 5.8 | 19 | 1.2 | 640 (43.0) $^{sol}$ | 100 | 190 |
| | | 2.5% | 12 | 30 | 3.1 | 770 (107) $^{sol}$ | 100 | 190 |
| | | 6% | 22 | 38 | 7.0 | 830 | 100 | 190 |
| | Hexachlorobenzene | 1% | 1.8 (0.20) $^{vap}$ | 4.1 (0.20) $^{vap}$ | 0.47 | 110 (0.20) $^{vap}$ | 16 | 30 |
| | | 2.5% | 3.3 (0.50) $^{vap}$ | 5.7 (0.50) $^{vap}$ | 1.1 | 120 | 16 | 30 |
| | | 6% | 4.9 | 6.7 (1.2) $^{vap}$ | 2.5 | 120 | 16 | 30 |
| Chlorophenol | Chlorophenols (4 congeners) | 1% | 0.87 $^{g}$ | 94 | 0.13 $^{g}$ | 3,500 | 620 | 1,100 |
| | | 2.5% | 2.0 | 150 | 0.30 | 4,000 | 620 | 1,100 |
| | | 6% | 4.5 | 210 | 0.70 | 4,300 | 620 | 1,100 |
| | Pentachlorophenol | 1% | 0.22 | 27 (16.4) $^{vap}$ | 3.0E-02 | 400 | 60 | 110 |
| | | 2.5% | 0.52 | 29 | 8.0E-02 | 400 | 60 | 120 |
| | | 6% | 1.2 | 31 | 0.19 | 400 | 60 | 120 |
| Others | Carbon Disulphide | 1% | 0.14 | 0.14 | 4.8 | 11 | 11,000 | 1,300 |
| | | 2.5% | 0.29 | 0.29 | 10 | 22 | 11,000 | 1,900 |
| | | 6% | 0.62 | 0.62 | 23 | 47 | 11,000 | 2,700 |
| | Hexachlorobutadiene | 1% | 0.29 | 0.32 | 0.25 | 31 | 25 | 48 |
| | | 2.5% | 0.7 | 0.78 | 0.61 | 66 | 25 | 50 |
| | | 6% | 1.6 | 1.8 | 1.4 | 120 | 25 | 51 |
| | Phenol | 1% | 280 | 750 | 66 | 760 $^{dir}$ (31,000) | 760 $^{dir}$ (11,000) | 760 $^{dir}$ (8,600) |
| | | 2.5% | 550 | 1,300 | 140 | 1,500 $^{dir}$ (35,000) | 1,500 $^{dir}$ (11,000) | 1,500 $^{dir}$ (9,700) |
| | | 6% | 1,100 | 2,300 | 280 | 3,200 $^{dir}$ (37,000) | 3,200 $^{dir}$ (11,000) | 3,200 $^{dir}$ (11,000) |

**NOTES**

$^{Sol / vap}$ = solubility / vapour limit (potentially use if free product identified, although highly conservative).

$^{dir}$ = S4uls based on threshold protective of direct skin contact with phenol (brackets long term exposure for illustration purposes).

$^{g}$ = derived based on 2,3,4,6-tetrachlorophenol.

# Appendix D

# 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[13]. It involves the classification of the:

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

| Consequence (Severity) | | |
|---|---|---|
| **Classification** | **Definition** | **Example** |
| **Severe** | - Short term (acute) risk to human health likely to results in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA.<br>- Short term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource.<br>- Catastrophic damage to buildings/properties.<br>- 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). | - High concentrations of cyanide on the surface of an informal recreation area.<br>- Major spillage of contaminants from site into controlled waters.<br>- Explosion, causing building collapse (can also equate to short term human health risk if buildings are occupied). |
| **Medium** | - Chronic damage to Human Health ('significant harm' as defined in DETR, 2000).<br>- Pollution of sensitive water resources (note Water Resources Act contains no scope for considering significance of pollution).<br>- A significant change in a particular ecosystem, or organism forming part of such ecosystem. | - Concentrations of a contaminant from site exceed generic, or site specific assessment criteria.<br>- Leaching of contaminants from a site to a major or minor aquifer (Principal and Secondary).<br>- Death of a species within a designated nature reserve. |
| **Mild** | - Pollution of non-sensitive water resources.<br>- Significant damage to crops, buildings, structures and services ('significant harm' as defined in DETR, 2000).<br>- Damage to sensitive buildings / structures / services or the environment. | - Pollution of non-classified groundwater.<br>- Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability). |
| **Minor** | - Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve.<br>- Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.).<br>- Easily repairable damage to buildings, structures and services. | - The presence of contaminants at such concentrations that protective equipment is required during site works.<br>- The loss of plants in a landscaping scheme.<br>- Discoloration of concrete. |

Table A: Classification of consequence.

| Probability (Likelihood) | |
|---|---|
| **Classification** | **Definition** |
| **High likelihood** | - 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. |
| **Likely** | - 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.<br>- Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term. |
| **Low likelihood** | - There is a pollutant linkage and circumstances are possible under which an event could occur.<br>- 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. |
| **Unlikely** | - 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.

[13] 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 |
|---|---|
| **Very High Risk** | - There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that sever harm to a designated receptor is currently happening.<br>- This risk, if realised, is likely to results in a substantial liability.<br>- Urgent investigation (if not already undertaken) and remediation are likely to be required. |
| **High Risk** | - Harm is likely to arise to a designated receptor from an identified hazard.<br>- Realisation of the risk is likely to present a substantial liability.<br>- 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. |
| **Moderate Risk** | - 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.<br>- 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. |
| **Low Risk** | - 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. |
| **Very Low Risk** | - There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe. |

Table 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.