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 Document Verification			
Site Address	Store Street, Manchester, M1 2WA		
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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. Centred at approximate National Grid Reference 384990 398080.
Approximate Area	650m^2.
Topography	Approx. 43-46 metres Above Ordnance Datum (AOD). 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. - Other unknown inorganic / organic contaminants (dependant on fill material source). - If significant depth of organic / putrescible material: Hazardous gas (principally carbon dioxide and methane). - Level raising of the area denoted by a metal fence appears between 1977 and 1985 mapping.
Onsite Car Park Travelling Crane	- Spillages / leakages: petroleum hydrocarbons, oils (source expected to be minimal and localised)
Onsite Timber Yard Packing Case Manufacture	- Machinery, vehicles: fuels, oils. - 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] - 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). - Offsite land users.
Controlled Waters	- Principal Aquifer. - 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. - Inhalation of vapours inside. - 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. - 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. - Superficial (Till) likely to be low permeability. - Bedrock (sandstone) likely to be relatively permeable. - No preferential pathways are anticipated.	
Gas	- Migration through potentially permeable strata and preferential pathways. - Superficial (Till) likely to be low permeability. - Bedrock (sandstone) likely to be relatively permeable. - 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. – Offsite receptors.	– ACM. – Heavy Metals. – PAHs. – Hydrocarbons.	-	-	-	– No viable human health pathways anticipated as the proposed development comprises residential apartments with no soft landscaping. – No pollutant linkage therefore no further assessment required*[1].
PL2	– Inhalation of vapours. – 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. – **Recommendation:** Low level intrusive investigation required.
PL3	– Inhalation of gas. – Migration through permeable strata and preferential pathways. – Explosion in confined spaces.	– Future site users. – Buildings. – 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. – **Recommendation:** Intrusive investigation required to prove presence or absence of a viable gas source.
PL4	– Surface Run-off. – Migration through permeable strata and preferential pathways – 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. – **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. – Moderate risk assumed at this stage. – **Recommendation:** Intrusive investigation required.
PL6	– Ingestion of tainted water supply.	– Future site users. – 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. – **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. 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]. Detailed investigation': 1 sample per 10-25m square centres. Plus targeted investigation locations in areas of concern (contamination and geotechnical). To be agreed with the local authority.
Type of investigation work	Boreholes. 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. 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. 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.

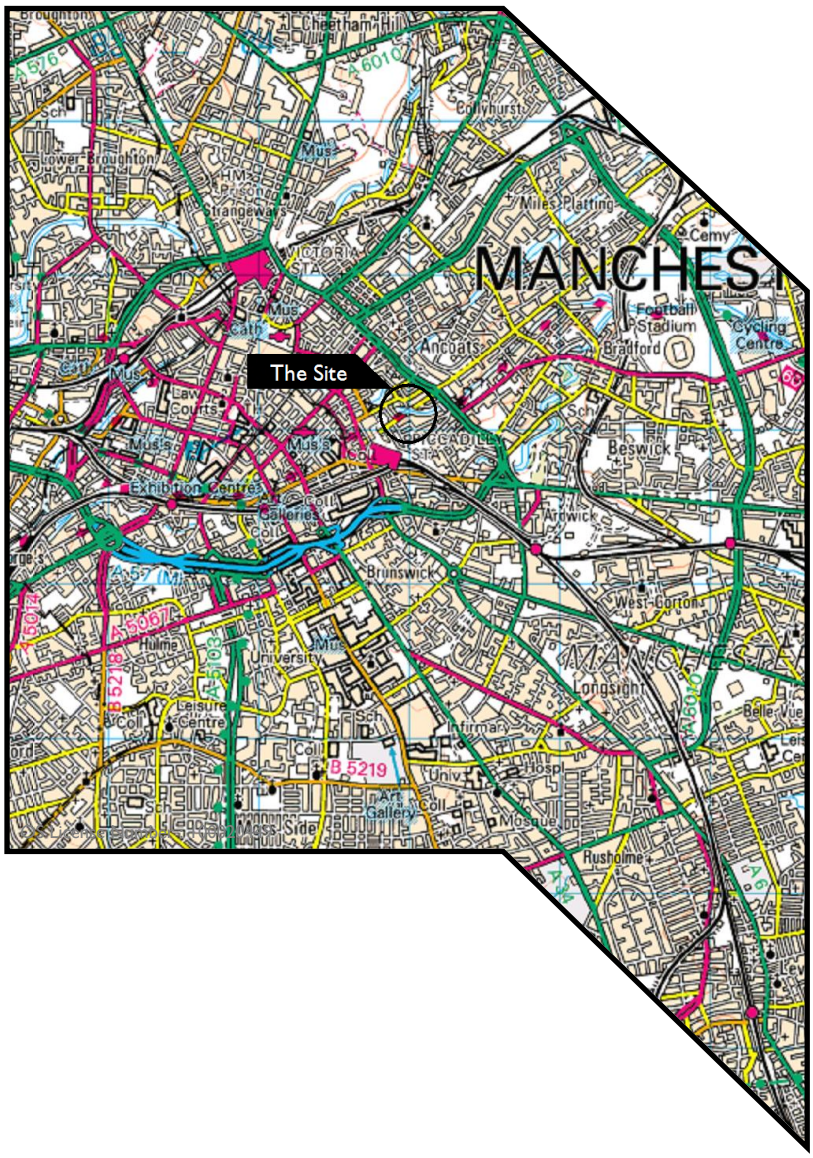
Unexploded Ordnance	The site is in an unexploded ordnance (UXO) risk area. LKC understand this will be further assessed under separate cover. The report will confirm if any special precautions need to be considered before any intrusive work is carried out.
Asbestos	Mitigation measures to prevent the 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

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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 95th 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*

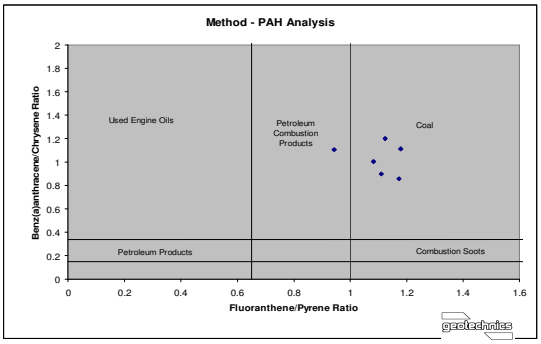
CIEH screening value for Chromium III (March 2011)
* Based on SOM = 6% (mean SOM = 7.58%)

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 95th 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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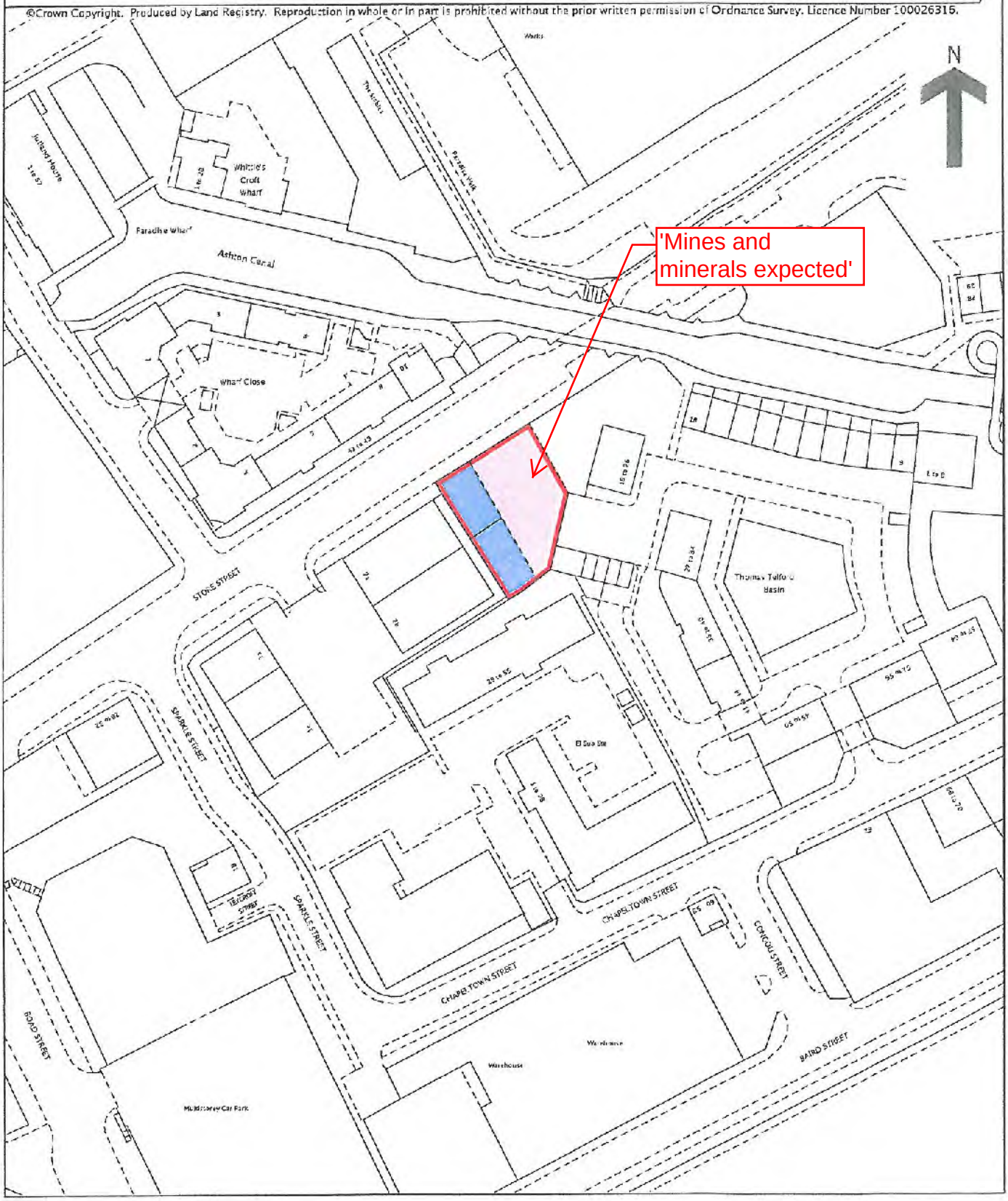
APPENDIX 2

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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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

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Agency & Hydrological	1
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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** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Store Street, Ancoats, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982994 Permit Version: 1 Effective Date: 23rd June 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A13NE (N)	5	3	384990 398100
2	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Store Street, Ancoats, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0371 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	131	3	384860 398010
3	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - Water Company Location: Great Ancoats Street, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0023 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	209	3	385170 398200
4	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - Water Company Location: Great Ancoats Street, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0024 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Authorisation revokedRevoked** 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** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Aytoun St/Auburn St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0370 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A12SE (W)	398	3	384580 398000
6	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Aytoun St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0318 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	439	3	384580 397880
6	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Aytoun St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982630 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Shooters Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	441	3	384580 397875
6	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Minshull St/Whitworth St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0355 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** 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** Operator: Edwin Butterworth & Co Property Type: Sewage Disposal Works - Other Location: Soho Works Site Swo, Pollard Street, Ancoats, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991041 Permit Version: 1 Effective Date: 30th September 1985 Issued Date: Not Supplied Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Canal Receiving Water: Manchester & Ashton Canal **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	458	3	385400 398300
8	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Baring St(Late Stove St), Tipping Street, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0308 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A8NW (S)	509	3	384930 397550
8	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Baring St(Late Stove St), Tipping Street, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982729 Permit Version: 1 Effective Date: 28th November 1994 Issued Date: Not Supplied Revocation Date: 29th November 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually corrected supplier location	A8NW (S)	509	3	384930 397550
8	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Mancunian Way Sliproad Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982729 Permit Version: 2 Effective Date: 30th November 1999 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** 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** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Chorlton Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0162 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Dukes Tunnel **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	529	3	384510 397820
9	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Chorlton Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0162 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Into And/Or Watercourse Receiving Water: Dukes Tunnel **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	529	3	384510 397820
10	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Fairfield St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Upper Mersey Reference: 016982713 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 23rd December 1996 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revokedRevoked** Positional Accuracy: Manually corrected supplier location	A9NW (SE)	557	3	385390 397670
10	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Raven Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0198 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 31st March 1998 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revokedRevoked** 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** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Fairfield St/Crane St, Ardwick, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982727 Permit Version: 1 Effective Date: 28th November 1994 Issued Date: Not Supplied Revocation Date: 31st March 1998 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	592	3	385410 397640
10	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Fairfield St/Crane St, Ardwick, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0300 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	592	3	385410 397640
10	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Fairfield St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0309 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	613	3	385430 397630
10	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Mancunian Way, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0192 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 18th July 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revokedRevoked** 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** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Fairfield St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982730 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	617	3	385430 397625
11	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Great Ancoats St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0257 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th June 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	694	3	385620 397760
11	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Blackett Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0194 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 18th July 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	694	3	385610 397740
11	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Great Ancoats St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982711 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 13th June 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** 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** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Pin Mill Brow, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0193 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 17th August 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	703	3	385620 397740
12	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Mount St/Rutland St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0287 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	738	3	384580 397440
13	**Discharge Consents** Operator: West Contracting Limited Property Type: Trade (Unknown/Other) Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd004449 Permit Version: 3 Effective Date: 1st April 2013 Issued Date: 28th October 2011 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Underground Water Receiving Water: Groundwater **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A12SW (SW)	744	3	384306 397746
13	**Discharge Consents** Operator: West Contracting Limited Property Type: Trade (Unknown/Other) Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd004449 Permit Version: 2 Effective Date: 16th April 2009 Issued Date: 16th April 2009 Revocation Date: 31st March 2013 Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Underground Water Receiving Water: Groundwater **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** 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** Operator: West Contracting Limited Property Type: Trade (Unknown/Other) Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd004449 Permit Version: 1 Effective Date: 1st April 2009 Issued Date: 5th March 2009 Revocation Date: 15th April 2009 Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Underground Water Receiving Water: Groundwater **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A12SW (SW)	744	3	384306 397746
13	**Discharge Consents** Operator: West Contracting Limited Property Type: Trade (Unknown/Other) Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd004449 Permit Version: 3 Effective Date: 1st April 2013 Issued Date: 28th October 2011 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Underground Water Receiving Water: Groundwater **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	763	3	384291 397734
13	**Discharge Consents** Operator: West Contracting Limited Property Type: Trade (Unknown/Other) Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd004449 Permit Version: 2 Effective Date: 16th April 2009 Issued Date: 16th April 2009 Revocation Date: 31st March 2013 Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Underground Water Receiving Water: Groundwater **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	763	3	384291 397734
13	**Discharge Consents** Operator: West Contracting Limited Property Type: Trade (Unknown/Other) Location: Gshp Serving Origin Development 56 Princess Street, Manchester, ., ., M1 6ja Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd004449 Permit Version: 1 Effective Date: 1st April 2009 Issued Date: 5th March 2009 Revocation Date: 15th April 2009 Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Underground Water Receiving Water: Groundwater **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** 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** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Mount St/Greek St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0187 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	807	3	384530 397390
14	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Mount St/Greek St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0187 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	807	3	384530 397390
15	**Discharge Consents** Operator: Factory Communications Ltd Property Type: Domestic Property (Multiple) Location: 112-116 Princess Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016991403 Permit Version: 1 Effective Date: 24th April 1989 Issued Date: Not Supplied Revocation Date: 31st March 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	808	3	384400 397500
15	**Discharge Consents** Operator: Factory Communications Ltd Property Type: Domestic Property (Multiple) Location: 112-116 Princess Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016991403 Permit Version: 2 Effective Date: 1st April 1992 Issued Date: Not Supplied Revocation Date: 10th February 1993 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revokedRevoked** 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** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Brook St/Mount St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982723 Permit Version: 1 Effective Date: 28th November 1994 Issued Date: Not Supplied Revocation Date: 14th July 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually corrected supplier location	A7NE (SW)	824	3	384450 397430
17	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Princess St/Granby Row Cs, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Upper Mersey Reference: 016982956 Permit Version: 1 Effective Date: 23rd June 1995 Issued Date: Not Supplied Revocation Date: 31st March 1998 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6)** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	847	3	384330 397520
17	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Princess St/Whitworth St Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982950 Permit Version: 1 Effective Date: 23rd June 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	847	3	384330 397520
17	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Charles St/Princess St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0166 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Varied under EPR 2010** 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** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Charles St/Princess St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0166 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	853	3	384330 397510
17	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Whitworth St/Sackville St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0253 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	853	3	384330 397510
17	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Charles Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0183 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	868	3	384320 397500
17	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Charles Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0183 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** 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** Operator: Factory Communications Ltd Property Type: Domestic Property (Multiple) Location: 112-116 Princess Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991403 Permit Version: 1 Effective Date: 24th April 1989 Issued Date: Not Supplied Revocation Date: 31st March 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	883	3	384300 397500
17	**Discharge Consents** Operator: Factory Communications Ltd Property Type: Domestic Property (Multiple) Location: 112-116 Princess Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991403 Permit Version: 2 Effective Date: 1st April 1992 Issued Date: Not Supplied Revocation Date: 10th February 1993 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	883	3	384300 397500
17	**Discharge Consents** Operator: Factory Communications Ltd Property Type: Domestic Property (Multiple) Location: 112-116 Princess Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016991403 Permit Version: 3 Effective Date: 11th February 1993 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	883	3	384300 397500
18	**Discharge Consents** Operator: British Broadcasting Corporation Property Type: Other Transport Location: Bbc Vehicle Maintenance Base Swo, Pritchard Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991346 Permit Version: 1 Effective Date: 22nd September 1994 Issued Date: Not Supplied Revocation Date: 22nd September 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revokedRevoked** 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** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Palmerston Street Cso, (Off Great Ancoats Street), Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016983280 Permit Version: 1 Effective Date: 31st August 1999 Issued Date: 15th January 1999 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: The River Medlock **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	895	3	385890 397990
20	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Palmerston Street Cso, (Off Great Ancoat St), Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016983279 Permit Version: 1 Effective Date: 31st August 1999 Issued Date: 15th January 1999 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: The River Medlock **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A14NE (E)	912	3	385910 398120
21	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: York St/Charles St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0281 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	979	3	384180 397500
21	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Mallard St Off Charles St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982736 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** 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** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Medlock St(Off Charles St), Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0343 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	987	3	384170 397500
22	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Butler St/Holland St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0037 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	994	3	385580 398895
22	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Butler St/Holland St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0037 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	998	3	385580 398900
22	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Rollesto Avenue/Butler St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0032 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Varied under EPR 2010** 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** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Ridgeway St/Butler St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0129 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 18th October 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	998	3	385580 398900
22	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Rollesto Avenue/Butler St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0032 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	998	3	385580 398900
23	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Russell St/ East Of Ragla, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0262 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14NE (E)	994	3	385980 398240
24	**Local Authority Pollution Prevention and Controls** Name: Central Taxi Spares Ltd Location: 31-35 Chapeltown Street, Ancoats, MANCHESTER, M1 2NN Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/02/91 Dated: 9th August 1991 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A13SE (S)	75	4	384987 397981
25	**Local Authority Pollution Prevention and Controls** Name: Presbar Diecastings Ltd Location: Store Street/Ducie Street, Piccadilly Village, Ancoats, M1 2WD Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/38/05/AW Dated: 21st November 1991 Process Type: Local Authority Pollution Prevention and Control Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap **Status: Permitted** 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** Name: Presbar Diecastings Ltd Location: Store Street, MANCHESTER, Lancashire, M1 2WD Authority: Manchester City Council, Environmental Health Department Permit Reference: 34/92 Dated: 21st November 1991 Process Type: Local Authority Pollution Prevention and Control Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	137	4	385099 398178
26	**Local Authority Pollution Prevention and Controls** Name: Presbar Diecastings Ltd Location: Store Street, MANCHESTER, Lancashire, M1 2WD Authority: Manchester City Council, Environmental Health Department Permit Reference: 34/92 Dated: 13th January 1993 Process Type: Local Authority Air Pollution Control Description: PG2/6 Aluminium and aluminium alloy processes **Status: Authorised** Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	149	4	385100 398195
27	**Local Authority Pollution Prevention and Controls** Name: Tj Stafford (Plant Hire) Ltd Location: Hoyle Street, Ardwick, Manchester, M12 6hg Authority: Manchester City Council, Environmental Health Department Permit Reference: PPCM89/96 Dated: 5th July 1996 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	478	4	385206 397632
28	**Local Authority Pollution Prevention and Controls** Name: Advent Manchester Location: 309 Great Ancoats Street, MANCHESTER, Lancashire, M4 7DF Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/105/01 Dated: 9th February 2001 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A14SW (E)	564	4	385559 398012
29	**Local Authority Pollution Prevention and Controls** Name: Presbar Diecastings Ltd Location: Rear 62-64 Jersey Street, Sharston Industrial Area, MANCHESTER, Lancashire, M22 4TE Authority: Manchester City Council, Environmental Health Department Permit Reference: EH&CP/P/PSR 29(92-96) Dated: 14th October 1992 Process Type: Local Authority Air Pollution Control Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	626	4	385134 398704
30	**Local Authority Pollution Prevention and Controls** Name: Ardwick Spares Location: 2 Hoyle Street, Ardwick, MANCHESTER, Lancashire, M12 6HG Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/30/92 Dated: 1st April 1994 Process Type: Local Authority Air Pollution Control Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	652	4	385319 397495
31	**Local Authority Pollution Prevention and Controls** Name: Express Printers Manchester Ltd Location: Henry Street, Ancoats, MANCHESTER, Lancashire, M60 4HB Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/56/93 Dated: 1st March 1995 Process Type: Local Authority Air Pollution Control Description: PG6/21 Hide and skin processes **Status: Authorisation revokedRevoked** 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** Name: Bill Howarth Metals Location: 109 Jersey Street, MANCHESTER, Lancashire, M4 6JG Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/37/05/AW Dated: 20th July 1992 Process Type: Local Authority Air Pollution Control Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	697	4	385157 398771
33	**Local Authority Pollution Prevention and Controls** Name: Manco Manchester Coppersmiths Location: Phoenix Mill, 20 Piercy Street, MANCHESTER, Lancashire, M4 7HY Authority: Manchester City Council, Environmental Health Department Permit Reference: 66/94 Dated: 15th February 1994 Process Type: Local Authority Air Pollution Control Description: PG6/29 Di-isocyanate processes **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A14NE (NE)	744	4	385683 398373
34	**Local Authority Pollution Prevention and Controls** Name: Johnsons Cleaners Uk Ltd Location: 24 High Street, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/13/07 Dated: 1st February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	819	4	384254 398481
35	**Local Authority Pollution Prevention and Controls** Name: Sanderson Ford Location: Ashton Old Road, Ardwick, MANCHESTER, Lancashire, M12 6JD Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/101/00 Dated: 1st March 2000 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	959	4	385820 397574
36	**Local Authority Pollution Prevention and Controls** Name: Ardwick Service Station Location: Chancellor Lane, Ardwick, MANCHESTER, Lancashire, M12 6JZ Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/003/06 Dated: 3rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	979	4	385755 397445
37	**Local Authority Pollution Prevention and Controls** Name: Tesco Express Ardwick Location: Ardwick Green, Ardwick, MANCHESTER, Lancashire, M13 9XF Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/002/06 Dated: 3rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	995	4	385255 397098
38	**Local Authority Pollution Prevention and Control Enforcements** Location: Store Street, MANCHESTER, Lancashire, M1 2WD Type: Air Pollution Control Enforcement Notice Reference: 34/92 Date Issued: 19th November 1998 Enforcement Date: Not Supplied Details: Failure To Update Furnace Emission Records Positional Accuracy: Automatically positioned to the address	A13SW (W)	164	4	384808 398052
39	**Local Authority Pollution Prevention and Control Enforcements** Location: 109 Jersey Street, MANCHESTER, Lancashire, M4 6JG Type: Air Pollution Control Enforcement Notice Reference: PPC/B/37/05/AW Date Issued: 25th July 1998 Enforcement Date: Not Supplied Details: Failure To Minimise Furnace Emissions And Continuously Moitor Particulates 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** Property Type: Pollution Found Source Not Determined Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Ashton Canal; Flouroscein Incident Date: 31st October 1996 Incident Reference: 96632291 Catchment Area: Ashton Canal Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	207	3	384800 398200
41	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Ashton Canal; Tracing Dye Incident Date: 29th September 1995 Incident Reference: 95632439 Catchment Area: Ashton Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	302	3	385300 398100
42	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: Tributary River Mersey Incident Date: 1st March 1991 Incident Reference: 91510290 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	325	3	384700 397900
43	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected Incident Date: 16th December 1996 Incident Reference: 96632549 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	402	3	385001 398496
43	**Pollution Incidents to Controlled Waters** Property Type: Pollution Found Source Not Determined Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: Ashton Canal; Foam Incident Date: 9th April 1996 Incident Reference: 96630678 Catchment Area: Ashton Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident 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** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Diesel Reported Incident Date: 6th June 1996 Incident Reference: 96631224 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	415	3	385200 397700
45	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 24th April 1996 Incident Reference: 96630895 Catchment Area: Ashton Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	458	3	385400 398300
46	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Other Oil Note: River Medlock; Diesel Incident Date: 26th June 1996 Incident Reference: 96631409 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	464	3	384900 397600
47	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Oil To Drains Incident Date: 10th July 1996 Incident Reference: 96631536 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	477	3	384500 398000
48	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; None Pollution Found Incident Date: 16th December 1996 Incident Reference: 96612549 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	507	3	385001 398601
49	**Pollution Incidents to Controlled Waters** Property Type: Construction Location: Redhill Street, MANCHESTER, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Contaminated Material : Soils & Sub-soils Note: Not Supplied Incident Date: 13th January 1999 Incident Reference: 751 Catchment Area: Rochdale Canal Receiving Water: Canal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident 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** Property Type: Water Company Sewage: Storm Overflow Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Waste Oil Note: Oil Entering Medlock From Outfall Up Stream Temperance Stream Incident Date: 10th July 1998 Incident Reference: SO981348 Catchment Area: Medlock Receiving Water: Freshwater Stream/River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A9NW (SE)	543	3	385400 397700
51	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Medlock Incident Date: 2nd July 1995 Incident Reference: 95631978 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	555	3	385001 397501
51	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: River Medlock; Silt Incident Date: 17th January 1996 Incident Reference: 96630110 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: In River Works Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	560	3	385001 397496
52	**Pollution Incidents to Controlled Waters** Property Type: Transport, Storage, Communications: Road Location: North Western Street, ARDWICK, Greater Manchester Authority: Environment Agency, North West Region Pollutant: General Biodegradable : Tree Cuttings Note: Not Supplied Incident Date: 19th May 1999 Incident Reference: 29115 Catchment Area: Irwell Receiving Water: River Stretch (Freshwater) Cause of Incident: Unauthorised Activity : Unauthorised Burning Of Waste Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A8NE (S)	567	3	385100 397500
53	**Pollution Incidents to Controlled Waters** Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Colour Note: Not Supplied Incident Date: 2nd February 1995 Incident Reference: 95630210 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	586	3	384800 397500
54	**Pollution Incidents to Controlled Waters** Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: Not Supplied Incident Date: 12th May 1993 Incident Reference: 93630987 Catchment Area: Ashton Canal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident 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** Property Type: Not Given Location: Princess Street , MANCHESTER Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: Detergent Pollution; Medlock; Detergent Incident Date: 18th April 1997 Incident Reference: 97630663 Catchment Area: Medlock Receiving Water: Freshwater Stream/River Cause of Incident: Overfilling During Delivery Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	600	3	385200 397495
56	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 8th November 1996 Incident Reference: 96632326 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A12SE (SW)	636	3	384400 397800
57	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; None From Fire Incident Date: 20th September 1996 Incident Reference: 96632073 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	652	3	385500 398500
58	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected Incident Date: 8th November 1996 Incident Reference: 96632315 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	666	3	384500 397600
59	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 24th May 1996 Incident Reference: 96631132 Catchment Area: Ashton Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	681	3	385600 398400
60	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: River Medlock; Detergent Incident Date: 30th March 1995 Incident Reference: 95630655 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident 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** Property Type: Not Given Location: Ancoats, MANCHESTER Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Car On Fire At Mozart Close Incident Date: 29th November 1998 Incident Reference: SO982082 Catchment Area: Rochdale Canal Receiving Water: Canal Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A19NW (NE)	816	3	385400 398800
62	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Medlock; None Pollution Found Incident Date: 6th October 1995 Incident Reference: 95632478 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	816	3	384500 397400
63	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 11th January 1996 Incident Reference: 96630052 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	883	3	384300 397500
64	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Ashton Canal; Green Based Oil Residue Incident Date: 7th April 1996 Incident Reference: 96630706 Catchment Area: Ashton Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	933	3	385700 398700
65	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; Diesel Spill Incident Date: 22nd August 1996 Incident Reference: 96631887 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A7NW (SW)	963	3	384200 397500
65	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: River Medlock; Crude Sewage Incident Date: 25th March 1996 Incident Reference: 96630555 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident 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** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Not Supplied Incident Date: 3rd August 1996 Incident Reference: 96641712 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	973	3	385600 397300
67	**Registered Radioactive Substances** Name: University Of Manchester Location: North Campus, Sackville Street, Manchester, M60 1qd Authority: Environment Agency, North West Region Permit Reference: Bx8661 Dated: 1st October 2004 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Manually positioned to the road within the address or location	A12SE (SW)	640	3	384399 397792
68	**Registered Radioactive Substances** Name: University Of Manchester Location: North Campus, Sackville Street, Manchester, M60 1qd Authority: Environment Agency, North West Region Permit Reference: Bx8645 Dated: 2nd September 2004 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	645	3	384479 397657
69	**Registered Radioactive Substances** Name: Umist Location: Po Box 88, Sackville Street, MANCHESTER, M60 1QD Authority: Environment Agency, North West Region Permit Reference: Bk5380 Dated: 6th March 2001 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	707	3	384612 397456
70	**Registered Radioactive Substances** Name: Umist Location: PO Box 88, MANCHESTER, Lancashire, M60 1QD Authority: Environment Agency, North West Region Permit Reference: Bq2154 Dated: 9th April 2002 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	738	3	384500 397500
70	**Registered Radioactive Substances** Name: Umist Location: PO Box 88, MANCHESTER, Lancashire, M60 1QD Authority: Environment Agency, North West Region Permit Reference: AC8878 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** 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** Name: Umist Location: Po Box 88, Sackville Street, MANCHESTER, M60 1QD Authority: Environment Agency, North West Region Permit Reference: AX0526 Dated: 30th January 1997 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	744	3	384478 397512
70	**Registered Radioactive Substances** Name: Umist Location: Po Box 88, Sackville Street, MANCHESTER, M60 1QD Authority: Environment Agency, North West Region Permit Reference: AP0143 Dated: 16th January 1995 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	744	3	384478 397512
70	**Registered Radioactive Substances** Name: Umist Location: Po Box 88, Sackville Street, MANCHESTER, M60 1QD Authority: Environment Agency, North West Region Permit Reference: AZ8692 Dated: 13th November 1997 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	745	3	384477 397512
71	**Registered Radioactive Substances** Name: Umist Location: PO Box 88, MANCHESTER, Lancashire, M60 1QD Authority: Environment Agency, North West Region Permit Reference: AC8886 Dated: 31st March 1991 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A18NE (N)	891	3	385022 398985
	River Quality Name: Ashton Canal GQA Grade: River Quality C Reach: Robertsons To Rochdale Canal Estimated Distance (km): 6.4 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A13SW (S)	1	3	384980 398057
	River Quality Name: Rochdale Canal GQA Grade: River Quality B Reach: Ashton Canal To Knott Mill Estimated Distance (km): 1.8 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A13NW (NW)	179	3	384855 398219
	River Quality Name: Rochdale Canal GQA Grade: River Quality B Reach: Empress Processing To Ashton Canal Estimated Distance (km): .3 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A13NW (NW)	180	3	384859 398224

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Rochdale Canal GQA Grade: River Quality B Reach: Qsl At Summit To Empress Processing Estimated Distance (km): 27.6 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A18SW (N)	371	3	384915 398458
	River Quality Name: Medlock GQA Grade: River Quality E Reach: Lords Bk To Irwell Estimated Distance (km): 9.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8NE (S)	649	3	385162 397432
72	**River Quality Chemistry Sampling Points** Name: Medlock Reach: Lords Brook To Irwell Estimated Distance: 9.50 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good 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** Operator: Moseley Rubber Co Ltd Licence Number: 2569006001 Permit Version: 100 Location: Borehole At Premises, Broadie St, Ardwick, Manchester Authority: Environment Agency, North West Region Abstraction: Rubber: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 909 Yearly Rate (m3): 331858 Details: Premises At Broadie St., Ardwick Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	575	3	385240 397540
74	**Water Abstractions** Operator: West Contracting Licence Number: Nw0690006001 Permit Version: 1 Location: Boreholes At Origin Developments, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 19th January 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	687	3	384378 397733
74	**Water Abstractions** Operator: West Contracting Licence Number: Nw/069/0006/001 Permit Version: 1 Location: Boreholes At Origin Developments, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 19th January 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	687	3	384378 397733
75	**Water Abstractions** Operator: British Telecommunications Plc Licence Number: 2569007069 Permit Version: 100 Location: Borehole At George St, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 860 Yearly Rate (m3): 1100 Details: Premises At Rutherford Hse, York St Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied 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** Operator: North Western Electricity Board Licence Number: 2569006023 Permit Version: Not Supplied Location: Rochdale Canal, Dickinson Street, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 82 Yearly Rate (m3): 25230 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	950	3	384100 397700
	Water Abstractions Operator: British Waterways Licence Number: 2569006990 Permit Version: 100 Location: Ashton Canal, Manchester [Distillers, Ancoats] Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 750090 Details: (Lancashire Tar Distillers Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1969 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	1148	3	385900 398795
	Water Abstractions Operator: British Waterways Board Licence Number: 2569006030 Permit Version: Not Supplied Location: Manchester, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Ashton Canal Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	1151	3	385900 398800
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 2 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th April 2014 Permit End Date: Not Supplied 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 Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 2 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SW (SW)	1257	3	384180 397091
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 1 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SW (SW)	1257	3	384180 397091
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 1 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SW (SW)	1257	3	384180 397091
	Water Abstractions Operator: Dunlop Rubber Co Limited Licence Number: 2569007027 Permit Version: Not Supplied Location: Borehole, Cambridge Street, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1811 Yearly Rate (m3): 154564 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied 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 Operator: British Telecommunications Plc Licence Number: 2569007070 Permit Version: 101 Location: Borehole At Dial House Chapel Street Salford Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Dial House, Salford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16SE (NW)	1412	3	383700 398700
	Water Abstractions Operator: British Telecom Licence Number: 2569007070 Permit Version: 100 Location: Borehole At Dial House, Chapel St, Salford Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 30 Yearly Rate (m3): 45 Details: Premises At Dial House, Salford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th January 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16SE (NW)	1412	3	383700 398700
	Water Abstractions Operator: G T Energy Uk Limited Licence Number: Nw/069/0004/005 Permit Version: 2 Location: Area Of Abstraction - Lower Carboniferous Limestone Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Heat Pump Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Devonshire Street, Manchester Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 11th June 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1478	3	385729 396778
	Water Abstractions Operator: Gt Energy Limited Licence Number: Nw/069/0004/005 Permit Version: 1 Location: Area Of Abstraction - Lower Carboniferous Limestone Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Heat Pump Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 17th January 2013 Permit End Date: Not Supplied 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 Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 2 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1597	3	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 2) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1597	3	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 2 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1597	3	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 2 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied 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 Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 2) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 682 Yearly Rate (m3): 194755 Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1597	3	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 2) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1597	3	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 3 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1611	3	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 3 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied 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 Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 3 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1611	3	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 3) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Borehole At Strangeways Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1611	3	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 3) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1611	3	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 3) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied 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 Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 1 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1618	3	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1618	3	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Borehole At Strangeways, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1618	3	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 1 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied 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 Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1618	3	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1618	3	383850 399250
	Water Abstractions Operator: Her Majesty'S Court Service Licence Number: 2569007089 Permit Version: 2 Location: 2 Boreholes At Gartside Street Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Gartside Street Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th July 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1650	3	383335 398310
	Water Abstractions Operator: Bovis Lend Lease Ltd Licence Number: 2569007089 Permit Version: 1 Location: 2 Boreholes At Gartside Street Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Gartside Street Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th January 2005 Permit End Date: Not Supplied 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 Operator: Manchester Metropolitan University Licence Number: Nw/069/0004/003 Permit Version: 1 Location: Borehole At Manchester Metropolitan University Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 20th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1825	3	383715 396746
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0004/003 Permit Version: 1 Location: Borehole At Manchester Metropolitan University Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 20th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A1NE (SW)	1825	3	383715 396746
	Water Abstractions Operator: Joseph Holt Ltd Licence Number: 2569004011 Permit Version: 100 Location: Borehole At Derby Brewery, Cheetham, Manchester 3 Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 182 Yearly Rate (m3): 45460 Details: Derby Brewery, Cheetham, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NW (NW)	1836	3	384100 399700
	Water Abstractions Operator: Joseph Holt Ltd Licence Number: 2569004011 Permit Version: 100 Location: Borehole At Derby Brewery, Cheetham, Manchester 3 Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Derby Brewery, Cheetham, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th February 1966 Permit End Date: Not Supplied 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 Operator: Threlfalls (Salford) Ltd. Licence Number: 2569006009 Permit Version: Not Supplied Location: Four Boreholes, Cook Street, SALFORD Authority: Environment Agency, North West Region Abstraction: Cooling & Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 977 Yearly Rate (m3): 227300 Details: Additional Purpose: Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1910	3	383200 398800
	Groundwater Vulnerability 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 Map Sheet: Sheet 17 Derbyshire & North Staffordshire Scale: 1:100,000	A13NE (N)	0	3	384986 398076
	Drift Deposits 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 Map Sheet: Sheet 17 Derbyshire & North Staffordshire Scale: 1:100,000	A13NE (N)	0	3	384986 398076
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (N)	0	2	384986 398076
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NE (N)	0	2	384986 398076
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
77	**Detailed River Network Lines** River Type: Canal River Name: Ashton Canal Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Above Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NE (N)	25	3	384993 398119
78	**Detailed River Network Lines** River Type: Canal River Name: Rochdale Canal Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Above Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13NW (NW)	191	3	384815 398193

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

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	**Historical Landfill Sites** Licence Holder: Peter Birse Limited Location: Great Ancoats Street, River Medlock, Ardwick, Manchester, Greater Manchester Name: Palmerston Street Landfill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16530 First Input Date: 1st September 1986 Last Input Date: 31st December 1987 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9162 BGS Ref: Not Supplied Other Ref: RD/LIC/440/86, F046	A14SE (E)	704	3	385665 397846
82	**Licensed Waste Management Facilities (Locations)** Licence Number: 53582 Location: 2 Hoyle Street, Ardwick, Manchester, M12 6HG Operator Name: Donnelly Mr. A. Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Sites (Mixed) **Licence Status: Suspended** Issued: 11th October 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: 29th January 2002 Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NE (S)	596	3	385200 397500
83	**Licensed Waste Management Facilities (Locations)** Licence Number: 53583 Location: Temperance Street, Ardwick, Manchester, M12 6HS Operator Name: Pye Metals Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Sites (Mixed) **Licence Status: Issued** Issued: 11th October 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	630	3	385300 397510
84	**Licensed Waste Management Facilities (Locations)** Licence Number: 50328 Location: 35 - 39 Oldham Road, Manchester, M4 5FG Operator Name: Brendan J Kershaw & Winston Brown Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: End of Life Vehicles **Licence Status: Surrendered** Issued: 10th August 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th July 2010 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NW (N)	779	3	384771 398842
	Local Authority Landfill Coverage Name: Manchester City Council - 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** Licence Holder: Peter Birse Ltd Licence Reference: 00440/86 Site Location: Palmerston Street./Great Ancoats Street, Ardwick, Manchester, Greater Manchester Licence Easting: 385700 Licence Northing: 397800 Operator Location: Clarence House, Mellor Road, Cheadle Hulme, STOCKPORT, Cheshire, SK8 5AT Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source Restrictions: Waste produced/controlled by licence holder Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1986 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Ceramic Materials Construction Ind. Wastes Glass Metals O Similar Non Leachate Forming Materials Soil,Clay,Sand, Stone,Brick,Concrete,Slate Prohibited Waste: Animal Flesh Chemical Waste Of Any Nature Fibreglass Foodstuffs Liquid Wastes Paper/Cardboard Waste Plasterboard Plastics Sawdust Sludge Wastes Textiles Vegetable Matter Waste Forming Polluting Leachate Wood	A14SE (E)	752	3	385700 397800
86	**Registered Waste Transfer Sites** Licence Holder: W A Goddard (Sales) Ltd Licence Reference: 00853/92 Site Location: Mill Green Street, Ardwick, MANCHESTER, Greater Manchester, M12 6FA Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Site exempt from licenceExempt Dated: 1st February 1993 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Storage In Licence Photographic Processing Waste Prohibited Waste: Asbestos Explosive Waste Gmwda Group 1 - Non/V.Slow Decomp.Wast Gmwda Group 2 - Slow Decomp./Slight So Gmwda Group 3 - Decomp./Soluble Waste In Pressurised Cont'Rs Waste N.O.S. - Pretreated Or Not 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** Licence Holder: A Donnelly t/a Ardwick Autospares Licence Reference: 01073 Site Location: 2 Hoyle Street, Ardwick, MANCHESTER, Greater Manchester, M12 6HG Operator Location: Whitehouse Farm, Torkington Road, Hazel Grove, Stockport, Cheshire Authority: Environment Agency - North West Region, South Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 1st October 1996 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Storage In Licence; Other Non-Ferrous Metal Scrap; Scrap Vehicles 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** Licence Holder: Pye Metals Ltd Licence Reference: 00937 Site Location: Temperance Street, Ardwick, MANCHESTER, Greater Manchester, M12 6HS Operator Location: Britannia Suite, International House, MANCHESTER, Greater Manchester, M3 2ER Authority: Environment Agency - North West Region, South Area Site Category: Scrapyard Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 1st October 1996 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied 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 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 Description: Permian and Triassic sandstones, undifferentiated,including Bunter and Keuper	A13NE (N)	0	2	384986 398076
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (N)	0	5	384986 398076
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (E)	1	5	385000 398076
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	56	5	384986 398000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	58	5	385000 398000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (SW)	123	5	384887 397982
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg 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 Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	194	5	385000 397862
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: <15 mg/kg	A13SW (SW)	243	5	384771 397942
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: <15 mg/kg	A13SW (W)	275	5	384707 398000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: <15 mg/kg	A8NW (S)	390	5	384932 397670
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NE)	413	5	385349 398299
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg 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 Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14NW (NE)	597	5	385523 398366
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7NE (SW)	660	5	384558 397554
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	685	5	385437 397539
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SE (E)	754	5	385749 398000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19SW (NE)	760	5	385645 398481
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg 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 Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SW (S)	775	5	384716 397329
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19SW (NE)	783	5	385581 398608
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19SW (NE)	800	5	385566 398649
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A7NW (SW)	838	5	384292 397586
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SE (S)	857	5	385000 397199
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg 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 Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19NW (NE)	865	5	385528 398772
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	903	5	384070 398000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	905	5	385000 399000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	905	5	384986 399000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NW (N)	906	5	384948 399000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg 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 Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SE (E)	937	5	385933 398000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	963	5	385158 399043
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	970	5	384000 398070
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12NW (W)	970	5	384000 398076
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	973	5	384000 398000
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384750, 398170 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 16.00 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 83.00 mg/kg Lead Measured Concentration: 178.00 mg/kg 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 Source: British Geological Survey, National Geoscience Information Service Grid: 385290, 398180 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 33.00 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 93.00 mg/kg Lead Measured Concentration: 438.00 mg/kg Nickel Measured Concentration: 37.00 mg/kg	A13NE (E)	308	2	385290 398180
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384770, 397740 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 28.00 mg/kg Cadmium Measured Concentration: 1.00 mg/kg Chromium Measured Concentration: 94.00 mg/kg Lead Measured Concentration: 189.00 mg/kg Nickel Measured Concentration: 22.00 mg/kg	A13SW (SW)	383	2	384770 397740
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384430, 397810 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 35.00 mg/kg Cadmium Measured Concentration: 1.90 mg/kg Chromium Measured Concentration: 78.00 mg/kg Lead Measured Concentration: 339.00 mg/kg Nickel Measured Concentration: 32.00 mg/kg	A12SE (SW)	604	2	384430 397810
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384380, 398240 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 3.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 29.00 mg/kg Lead Measured Concentration: 21.00 mg/kg Nickel Measured Concentration: 6.00 mg/kg	A12NE (W)	610	2	384380 398240
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385450, 397590 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 14.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 46.00 mg/kg Lead Measured Concentration: 260.00 mg/kg 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 Source: British Geological Survey, National Geoscience Information Service Grid: 384910, 398840 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 13.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 67.00 mg/kg Lead Measured Concentration: 69.00 mg/kg Nickel Measured Concentration: 20.00 mg/kg	A18NW (N)	750	2	384910 398840
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384750, 397300 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 19.00 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 81.00 mg/kg Lead Measured Concentration: 157.00 mg/kg Nickel Measured Concentration: 26.00 mg/kg	A8SW (S)	792	2	384750 397300
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385340, 398840 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 21.00 mg/kg Cadmium Measured Concentration: 1.20 mg/kg Chromium Measured Concentration: 64.00 mg/kg Lead Measured Concentration: 153.00 mg/kg Nickel Measured Concentration: 20.00 mg/kg	A19NW (NE)	823	2	385340 398840
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385800, 398270 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 18.00 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 110.00 mg/kg Lead Measured Concentration: 196.00 mg/kg Nickel Measured Concentration: 25.00 mg/kg	A14NE (E)	823	2	385800 398270
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385210, 397220 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 37.00 mg/kg Cadmium Measured Concentration: 1.30 mg/kg Chromium Measured Concentration: 81.00 mg/kg Lead Measured Concentration: 433.00 mg/kg 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 Source: British Geological Survey, National Geoscience Information Service Grid: 385860, 397800 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 19.00 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 73.00 mg/kg Lead Measured Concentration: 207.00 mg/kg Nickel Measured Concentration: 32.00 mg/kg	A14SE (E)	904	2	385860 397800
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384430, 397270 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 13.00 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 66.00 mg/kg Lead Measured Concentration: 64.00 mg/kg Nickel Measured Concentration: 19.00 mg/kg	A7SE (SW)	963	2	384430 397270
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385740, 398700 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 20.00 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 88.00 mg/kg Lead Measured Concentration: 253.00 mg/kg Nickel Measured Concentration: 27.00 mg/kg	A19SE (NE)	964	2	385740 398700
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Manchester Count Id: 300 Arsenic Minimum Concentration: 3.00 mg/kg Arsenic Average Concentration: 28.00 mg/kg Arsenic Maximum Concentration: 1008.00 mg/kg Cadmium Minimum Concentration: 0.30 mg/kg Cadmium Average Concentration: 1.40 mg/kg Cadmium Maximum Concentration: 80.30 mg/kg Chromium Minimum Concentration: 29.00 mg/kg Chromium Average Concentration: 92.00 mg/kg Chromium Maximum Concentration: 1252.00 mg/kg Lead Minimum Concentration: 21.00 mg/kg Lead Average Concentration: 270.00 mg/kg Lead Maximum Concentration: 2687.00 mg/kg Nickel Minimum Concentration: 6.00 mg/kg Nickel Average Concentration: 32.00 mg/kg 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
	Coal Mining Affected Areas 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 Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (N)	0	-	384986 398076
	Man-Made Mining Cavities Easting: 384900 Northing: 397100 Distance: 960 Quadrant Reference: A8 Quadrant Reference: SW Bearing Ref: S Cavity Type: SHAFT ENTRY SANDSTONE WORKINGS Commodity: Sandstone Solid Geology Detail: BUNTER SANDSTONE MANCHESTER MARLS COLLYHURST SANDSTONE Superficial Geology Detail: Glacial Till	A8SW (S)	960	7	384900 397100
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	384986 398076
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	1	2	385000 398076
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	384986 398076
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	1	2	385000 398076
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	171	2	384881 397921
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	192	2	385000 397864
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	384986 398076
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	1	2	385000 398076
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	384986 398076
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	1	2	385000 398076
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	384986 398076
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	1	2	385000 398076
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	384986 398076
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low 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
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	384986 398076
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level 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** Name: Northwest Metrocab Uk Plc Location: 31-35, Chapeltown Street, Manchester, M1 2NN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	71	-	384980 397985
89	**Contemporary Trade Directory Entries** Name: A & A Autos Location: 31-35, Chapeltown Street, Manchester, M1 2NN Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	71	-	384980 397985
90	**Contemporary Trade Directory Entries** Name: Principal Car Sales Location: 18, Sparkle Street, Manchester, M1 2NA Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	92	-	384919 397993
90	**Contemporary Trade Directory Entries** Name: Central Motor Services Location: 26-32, Store Street, Manchester, M1 2WD Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	95	-	384894 398024
91	**Contemporary Trade Directory Entries** Name: Garsdale Knitwear Ltd Location: 64, Chapeltown Street, Manchester, M1 2WQ Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	97	-	385072 398003
91	**Contemporary Trade Directory Entries** Name: Abbey Knitwear (Manchester) Ltd Location: 66-72, Chapeltown Street, Manchester, M1 2WH Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	111	-	385092 398008
91	**Contemporary Trade Directory Entries** Name: Anam Knitwear Ltd Location: 66-72, Chapeltown Street, Manchester, M1 2WH Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	111	-	385092 398008
91	**Contemporary Trade Directory Entries** Name: Euro Textiles Ltd Location: 66-72, Chapeltown Street, Manchester, Lancashire, M1 2WH Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	111	-	385092 398008
91	**Contemporary Trade Directory Entries** Name: Dream Knitwear Location: 66-72, Chapeltown Street, Manchester, Lancashire, M1 2WH Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	111	-	385092 398008
91	**Contemporary Trade Directory Entries** Name: A M S Manchester Location: 66-72, Chapeltown Street, Manchester, Lancashire, M1 2WH Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	111	-	385092 398008
91	**Contemporary Trade Directory Entries** Name: Samson Hosiery Ltd Location: 66-72, Chapeltown Street, Manchester, M1 2WH Classification: Leisure & Sportswear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	111	-	385092 398008
91	**Contemporary Trade Directory Entries** Name: Khalil Knitwear Location: 66-72, Chapeltown Street, Manchester, Lancashire, M1 2WH Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** 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** Name: Van Kollem Location: Unit 4,Ducie House,37 Ducie St, Manchester, Lancashire, M1 2JW Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (N)	128	-	384932 398209
92	**Contemporary Trade Directory Entries** Name: Baked Goods Distribution Location: Unit 201, Ducie House, 37, Ducie Street, Manchester, M1 2JW Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	129	-	384933 398209
92	**Contemporary Trade Directory Entries** Name: Tlc Equipment (Europe) Location: Unit 215, Ducie House, 37, Ducie Street, Manchester, Lancashire, M1 2JW Classification: Engineering Machine Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	129	-	384933 398209
92	**Contemporary Trade Directory Entries** Name: Concept 3 Ltd Location: Unit 103, Ducie House, 37, Ducie Street, Manchester, Lancashire, M1 2JW Classification: Glass Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	129	-	384933 398209
92	**Contemporary Trade Directory Entries** Name: Gold Star Ions Location: 10, Pigeon Street, Manchester, M1 2JX Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	141	-	384955 398231
92	**Contemporary Trade Directory Entries** Name: Manchester Engines Location: 10, Pigeon Street, Manchester, Lancashire, M1 2JX Classification: Mechanical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (N)	141	-	384955 398231
93	**Contemporary Trade Directory Entries** Name: A S P Architectural Ltd Location: Unit 6, Chancel Place, Store Street, Manchester, M1 2WB Classification: Hardware **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	139	-	385108 398167
93	**Contemporary Trade Directory Entries** Name: Davies Brothers Tyres Location: Unit 5,Chancel Pl,Store St, Manchester, Lancashire, M1 2WB Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	153	-	385128 398161
94	**Contemporary Trade Directory Entries** Name: Fine Shape (Clothing) Ltd Location: 19a Ducie St,Eidr Ho, Manchester, M1 2JE Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	162	-	384865 398205
95	**Contemporary Trade Directory Entries** Name: Presbar Diecastings Ltd Location: Store Street, Manchester, M1 2WD Classification: Die-Casting Equipment & Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	164	-	384808 398052
96	**Contemporary Trade Directory Entries** Name: S A S Fashions Ltd Location: 55-59, Ducie Street, Manchester, M1 2JQ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	164	-	385015 398256
97	**Contemporary Trade Directory Entries** Name: Crime Scene Cleaning Services Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Commercial Cleaning Services **Status: Active** 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** Name: I T Designs Location: 81, Ducie Street, Manchester, M1 2JQ Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	211	-	385084 398284
97	**Contemporary Trade Directory Entries** Name: J Cotton & Co Location: 126, Great Ancoats Street, Manchester, M4 6DE Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	221	-	385076 398298
97	**Contemporary Trade Directory Entries** Name: Ocean Design Uk Location: 132-134, Great Ancoats Street, Manchester, M4 6DE Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	222	-	385093 398291
97	**Contemporary Trade Directory Entries** Name: North West Cleaning Solutions Ltd Location: 132-134, Great Ancoats Street, Manchester, M4 6DE Classification: Cleaning Materials & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	222	-	385093 398291
97	**Contemporary Trade Directory Entries** Name: Online-Building-Supplies.Co.Uk Location: 132-134, Great Ancoats Street, Manchester, M4 6DE Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	222	-	385093 398291
97	**Contemporary Trade Directory Entries** Name: Castle Comfort Stairlifts Ltd Location: 132-134, Great Ancoats Street, Manchester, M4 6DE Classification: Stairlifts - Manufacturers & Installers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	222	-	385093 398291
97	**Contemporary Trade Directory Entries** Name: Damp Aid Uk Location: 132-134, Great Ancoats Street, Manchester, M4 6DE Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	222	-	385093 398291
98	**Contemporary Trade Directory Entries** Name: Network Rail Location: First-Third Floor, Rail House, Store Street, Manchester, M60 7RT Classification: Railways **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	184	-	384831 397957
98	**Contemporary Trade Directory Entries** Name: Rail Passengers Committee Location: Rail House, Store Street, Manchester, M1 2RP Classification: Railways **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	184	-	384831 397957
99	**Contemporary Trade Directory Entries** Name: R & G Industrial Sewing Machines Ltd Location: Portugal Street East, Manchester, M1 2WX Classification: Sewing Machines - Industrial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	184	-	385156 397975
100	**Contemporary Trade Directory Entries** Name: A J Crawford & Sons Location: 37, Longacre Street, Manchester, M1 2WN Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	210	-	385198 398009
100	**Contemporary Trade Directory Entries** Name: Dalkeith Autos Location: 7, Heyrod Street, Manchester, M1 2WW Classification: Garage Services **Status: Active** 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** Name: G A Armstrong Location: 81, Dale Street, Manchester, M1 2HG Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	231	-	384742 398122
102	**Contemporary Trade Directory Entries** Name: Gorman Shorrock & Davies Ltd Location: 52, Heyrod Street, Manchester, M1 2WW Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	256	-	385221 397942
102	**Contemporary Trade Directory Entries** Name: K M Print Design Location: 52, Heyrod Street, Manchester, Lancashire, M1 2WW Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	256	-	385221 397942
103	**Contemporary Trade Directory Entries** Name: Showerdrape Ltd Location: 3, Longacre Street, Manchester, M1 2WN Classification: Bathroom Fixtures - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	258	-	385257 398073
104	**Contemporary Trade Directory Entries** Name: Tariff Street Motors Location: 43 Tariff St, Manchester, M1 2FF Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (N)	268	-	384902 398348
105	**Contemporary Trade Directory Entries** Name: The Leather Shop Location: Gateway House, Piccadilly South, Manchester, M1 2GH Classification: Leather Garments & Products **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	269	-	384742 397938
106	**Contemporary Trade Directory Entries** Name: Greater Manchester Electronic Booking Location: Gateway House, Piccadilly South, Manchester, Lancashire, M60 7LP Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	271	-	384706 398017
107	**Contemporary Trade Directory Entries** Name: The Body Shop International Location: Unit 10, Piccadilly Station, Manchester, M1 2BN Classification: Cosmetic Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	275	-	384845 397819
108	**Contemporary Trade Directory Entries** Name: Brian Winder G C C Ltd Location: Aeroworks, 5, Adair Street, Manchester, M1 2NQ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	296	-	385280 397981
108	**Contemporary Trade Directory Entries** Name: P A Metals Location: 7, Adair Street, Manchester, Lancashire, M1 2NQ Classification: Scrap Metal Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	296	-	385280 397981
108	**Contemporary Trade Directory Entries** Name: Armstrong (Office Furniture) Location: 1, Adair Street, Manchester, Lancashire, M1 2NQ Classification: Office Furniture & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	296	-	385280 397981
108	**Contemporary Trade Directory Entries** Name: Intercity Group Ltd Location: Aeroworks, 5, Adair Street, Manchester, Lancashire, M1 2NQ Classification: Commercial Cleaning Services **Status: Inactive** 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** Name: Gorton Bros Ltd Location: Aeroworks, 5, Adair Street, Manchester, Lancashire, M1 2NQ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	296	-	385280 397981
108	**Contemporary Trade Directory Entries** Name: Paragon Hygiene Services Ltd Location: Aeroworks, 5, Adair Street, Manchester, Lancashire, M1 2NQ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (E)	296	-	385280 397981
108	**Contemporary Trade Directory Entries** Name: L P M Cleaning Location: Aeroworks, 5, Adair Street, Manchester, M1 2NQ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	296	-	385280 397981
109	**Contemporary Trade Directory Entries** Name: Cleaners (Manchester) Location: Apartment 725, 40, Hilton Street, Manchester, M1 2BL Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	296	-	384718 398238
110	**Contemporary Trade Directory Entries** Name: Gio Goi Location: Fourways House,Hilton St, Manchester, Lancashire, M1 2EJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	312	-	384741 398294
110	**Contemporary Trade Directory Entries** Name: Simone'S Bespoke Housekeeping Service Location: 32, Hilton Street, Manchester, M1 2EH Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	329	-	384708 398282
110	**Contemporary Trade Directory Entries** Name: Lanford Ltd Location: 30-32, Hilton Street, Manchester, M1 2EH Classification: Shirt Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	329	-	384708 398282
110	**Contemporary Trade Directory Entries** Name: Style House Manchester Ltd Location: Ground Floor, Fourways House, 16, Tariff Street, Manchester, Lancashire, M1 2FN Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	334	-	384729 398314
110	**Contemporary Trade Directory Entries** Name: Chowhan & Co Location: 14, Tariff Street, Manchester, M1 2FF Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	347	-	384701 398301
110	**Contemporary Trade Directory Entries** Name: T D S Fashions Location: Second Floor, 14, Tariff Street, Manchester, M1 2FF Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	347	-	384701 398301
110	**Contemporary Trade Directory Entries** Name: Complete Processing Location: 14, Tariff Street, Manchester, Lancashire, M1 2FF Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** 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** Name: Minuteman Press (Manchester Center) Location: 27a Hilton St, Manchester, Lancashire, M1 1EL Classification: Digital Printing **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	385	-	384694 398350
110	**Contemporary Trade Directory Entries** Name: Local Map Co Location: Tariff St, Manchester, Lancashire, M1 2FF Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	391	-	384663 398325
111	**Contemporary Trade Directory Entries** Name: Manchester Carpet Cleaning Location: 111, Piccadilly, Manchester, M1 2HX Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	323	-	384648 398114
111	**Contemporary Trade Directory Entries** Name: Damp Pro Location: Rodwell Tower,111 Piccadilly, Manchester, Lancashire, M1 2HY Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NW (W)	323	-	384648 398114
111	**Contemporary Trade Directory Entries** Name: Cash For Scrap Cars Location: 111, Piccadilly, Manchester, M1 2HX Classification: Scrap Yards **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (W)	323	-	384648 398114
111	**Contemporary Trade Directory Entries** Name: 118 Cleaning Location: Piccadilly, Manchester, Lancashire, M1 2HX Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NW (W)	323	-	384648 398114
111	**Contemporary Trade Directory Entries** Name: Ucarpia.Com Location: 111, Piccadilly, Manchester, M1 2HX Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	323	-	384648 398114
111	**Contemporary Trade Directory Entries** Name: Sparkle Cleaning Services Location: 111, Piccadilly, Manchester, M1 2HX Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	323	-	384648 398114
111	**Contemporary Trade Directory Entries** Name: Balfour Beatty Rail Signalling Ltd Location: 111 Piccadilly, Manchester, M1 2HY Classification: Railways **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (W)	324	-	384647 398114
111	**Contemporary Trade Directory Entries** Name: Piccadily Dry Cleaners Location: Unit B,Rodwell Tower,111 Piccadilly, Manchester, Lancashire, M1 2HY Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (W)	324	-	384647 398114
112	**Contemporary Trade Directory Entries** Name: Printing.Com Location: 119, Great Ancoats Street, Manchester, M4 5AG Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	324	-	384953 398416
112	**Contemporary Trade Directory Entries** Name: Indesign (Uk) Ltd Location: 104 Great Ancoats St, Manchester, M4 5BQ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** 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** Name: A & S Fashions Location: Brownsfield Mill, Binns Place, Manchester, M4 5BP Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	325	-	384889 398403
114	**Contemporary Trade Directory Entries** Name: Logistica Fleet Services Location: St. Andrews Square, Manchester, M1 2NS Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	329	-	385265 397873
114	**Contemporary Trade Directory Entries** Name: Rockbar Location: St. Andrews Square, Manchester, M1 2NS Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	329	-	385265 397873
114	**Contemporary Trade Directory Entries** Name: T T Express Location: St. Andrews Square, Manchester, M1 2NS Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	329	-	385265 397873
114	**Contemporary Trade Directory Entries** Name: Arriva North West Ltd Location: St. Andrews Square, Manchester, Lancashire, M1 2NS Classification: Bus & Coach Operators & Stations **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	344	-	385289 397884
115	**Contemporary Trade Directory Entries** Name: Currys Location: Central Retail Park, Great Ancoats Street, Manchester, Lancashire, M4 6DL Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	336	-	385184 398369
116	**Contemporary Trade Directory Entries** Name: Marco Trading Co Ltd Location: Marco House, Tariff Street, Manchester, M1 2FF Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	346	-	384806 398387
117	**Contemporary Trade Directory Entries** Name: A & B Engineering Location: 5 Picadilly Pl, Manchester, Lancashire, M1 3BG Classification: Engineering Machine Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12SE (W)	346	-	384637 397986
118	**Contemporary Trade Directory Entries** Name: Jogo Associates Ltd Location: 49-51, Dale Street, Manchester, M1 2HF Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	347	-	384671 398259
118	**Contemporary Trade Directory Entries** Name: Iana Ltd Location: 47, Dale Street, Manchester, M1 2HF Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	371	-	384655 398278
119	**Contemporary Trade Directory Entries** Name: N S Fashion Location: 64-66, Dale Street, Manchester, Lancashire, M1 2HR Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (W)	350	-	384645 398213
119	**Contemporary Trade Directory Entries** Name: M C C S Location: 6 Paton St, Manchester, Lancashire, M1 2BA Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** 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** Name: Manchester Pest Control Location: 50, London Road, Manchester, M1 2PH Classification: Pest & Vermin Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	367	-	384703 397822
121	**Contemporary Trade Directory Entries** Name: S A Car Services Location: 8 Wyre St, Manchester, M1 2PR Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	368	-	384785 397748
122	**Contemporary Trade Directory Entries** Name: Trevor Autos Location: 108d, North Western Street, Manchester, M1 2WS Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	389	-	385201 397732
122	**Contemporary Trade Directory Entries** Name: City Lubrication Services Location: 108c, North Western Street, Manchester, M1 2WS Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A8NE (SE)	403	-	385214 397723
123	**Contemporary Trade Directory Entries** Name: Advanced Valve Solutions Location: Piccadilly Pl, Manchester, Lancashire, M1 3BN Classification: Valve Manufacturers & Suppliers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A8NW (S)	393	-	384868 397681
124	**Contemporary Trade Directory Entries** Name: Honeyhull Ltd Location: 56, Dale Street, Manchester, M1 2HN Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	395	-	384616 398259
124	**Contemporary Trade Directory Entries** Name: Uk Fashion Wear Ltd Location: 56, Dale Street, Manchester, M1 2HN Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	395	-	384616 398259
124	**Contemporary Trade Directory Entries** Name: Fashionpulse Location: 56, Dale Street, Manchester, Lancashire, M1 2HN Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	395	-	384616 398259
124	**Contemporary Trade Directory Entries** Name: Mpg Ltd Location: Dale House, 35, Dale Street, Manchester, Lancashire, M1 2HF Classification: Printers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	398	-	384644 398311
124	**Contemporary Trade Directory Entries** Name: Maximum Bright Services Location: Dale House,35 Dale St, Manchester, Lancashire, M1 2HF Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	398	-	384643 398310
124	**Contemporary Trade Directory Entries** Name: Slack & Andrews Location: Dale House, 35, Dale Street, Manchester, Lancashire, M1 2HF Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	399	-	384644 398311
124	**Contemporary Trade Directory Entries** Name: Maximum Bright Services Location: Dale House, 35, Dale Street, Manchester, Lancashire, M1 2HF Classification: Commercial Cleaning Services **Status: Inactive** 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** Name: A Garstang & Co Ltd Location: 16, Newton Street, Manchester, M1 2AE Classification: Shirt Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	410	-	384614 398284
125	**Contemporary Trade Directory Entries** Name: Va Clean Manchester Ltd Location: 78, Pickford Street, Manchester, M4 5BT Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	396	-	384915 398483
126	**Contemporary Trade Directory Entries** Name: The Studio Workshop Location: 9, Piccadilly Trading Estate, Manchester, Lancashire, M1 2NP Classification: Photographic Equipment & Supplies - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	402	-	385381 397950
127	**Contemporary Trade Directory Entries** Name: F Dunn & Sons Location: Vesta St, Ancoats, Manchester, M4 6DS Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	409	-	385338 398310
128	**Contemporary Trade Directory Entries** Name: Royal Mail Logistics Location: Travis Street, Manchester, Lancashire, M1 2NG Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	410	-	385267 397755
129	**Contemporary Trade Directory Entries** Name: Dordaf & Partners Location: Flat 8, Roby Court, 14, Roby Street, Manchester, M1 3AG Classification: Bathroom Fixtures - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	413	-	384557 398090
129	**Contemporary Trade Directory Entries** Name: Sa Group Services Location: Stan, Lancashire, M1 3BL Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A12NE (W)	440	-	384530 398105
130	**Contemporary Trade Directory Entries** Name: Intertek Testing Services International Location: Bainbridge House, 86-90, London Road, Manchester, M1 2PW Classification: Corrosion Prevention & Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	414	-	384726 397734
130	**Contemporary Trade Directory Entries** Name: Capcis Location: Capcis House, 1, Echo Street, Manchester, M1 7DP Classification: Corrosion Prevention & Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	414	-	384726 397734
130	**Contemporary Trade Directory Entries** Name: Intertek Capcis Location: Bainbridge House, 86-90, London Road, Manchester, M1 2PW Classification: Corrosion Prevention & Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	414	-	384726 397734
131	**Contemporary Trade Directory Entries** Name: Mayfield Press Location: The Mayfield Centre, Fairfield Street, Manchester, M1 2QF Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	414	-	385124 397665
132	**Contemporary Trade Directory Entries** Name: R Jaffay Location: 63, Houldsworth Street, Manchester, M1 2ES Classification: Furniture Manufacturers - Home & Office **Status: Inactive** 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** Name: A Jeffay Location: 63, Houldsworth Street, Manchester, M1 2ES Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	417	-	384832 398480
132	**Contemporary Trade Directory Entries** Name: Jeffay Location: 63, Houldsworth Street, Manchester, Lancashire, M1 2ES Classification: Furniture Manufacturers - Home & Office **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	417	-	384832 398480
132	**Contemporary Trade Directory Entries** Name: Bec Digital Ltd Location: 47, Houldsworth Street, Manchester, M1 2ES Classification: Photocopiers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	456	-	384803 398510
133	**Contemporary Trade Directory Entries** Name: City Recovery & Storage Location: 50, Newton Street, Manchester, Lancashire, M1 2EA Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	425	-	384658 398370
134	**Contemporary Trade Directory Entries** Name: Bodyguard Clothing Ltd Location: 33, Dale Street, Manchester, Lancashire, M1 2HE Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	429	-	384638 398354
134	**Contemporary Trade Directory Entries** Name: Zig Zag Clothing Ltd Location: 33, Dale Street, Manchester, Lancashire, M1 2HE Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	430	-	384638 398354
134	**Contemporary Trade Directory Entries** Name: Ben Sherman Location: 47, Newton Street, Manchester, Lancashire, M1 1FT Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	458	-	384618 398376
134	**Contemporary Trade Directory Entries** Name: Guy Foam Location: 10, Little Lever Street, Manchester, M1 1HR Classification: Photo & Digital Imaging Bureaus **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	477	-	384599 398382
134	**Contemporary Trade Directory Entries** Name: Alert 2 Media Location: 24, Lever Street, Manchester, Lancashire, M1 1DZ Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	500	-	384580 398396
134	**Contemporary Trade Directory Entries** Name: Elert 2 Media Location: 24, Lever Street, Manchester, Lancashire, M1 1DZ Classification: Printers Textile **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	501	-	384580 398397
134	**Contemporary Trade Directory Entries** Name: Ax-S Global Location: 22, Lever Street, Manchester, M1 1EA Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	517	-	384556 398392
134	**Contemporary Trade Directory Entries** Name: Godske Group Location: 22, Lever Street, Manchester, M1 1EA Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** 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** Name: Ax S Global Location: 22, Lever Street, Manchester, M1 1EA Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	517	-	384556 398392
135	**Contemporary Trade Directory Entries** Name: Little Star Location: 58, Baring Street, Manchester, Lancashire, M1 2PY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NW (S)	458	-	384969 397598
135	**Contemporary Trade Directory Entries** Name: Olympic Enterprises Location: 58, Baring Street, Manchester, Lancashire, M1 2PY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NW (S)	458	-	384969 397598
136	**Contemporary Trade Directory Entries** Name: Quality Engineering Design Location: 17-21, Newton Street, MANCHESTER, M1 1FZ Classification: Mechanical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	462	-	384573 398319
137	**Contemporary Trade Directory Entries** Name: Evans Textile (Sales) Ltd Location: Helmet Street, Manchester, M1 2NT Classification: Textile Manufacturing **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	469	-	385360 397767
137	**Contemporary Trade Directory Entries** Name: Climate Center Location: 2, Helmet Street, Manchester, Lancashire, M1 2NT Classification: Refrigeration Equipment - Commercial **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	469	-	385360 397767
137	**Contemporary Trade Directory Entries** Name: Climate Centre Location: 2, Helmet Street, Manchester, Lancashire, M1 2NT Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	469	-	385360 397767
138	**Contemporary Trade Directory Entries** Name: Daisy Fashions Location: 25, Hilton Street, Manchester, M1 1EL Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	471	-	384646 398424
138	**Contemporary Trade Directory Entries** Name: Moving Fashion Ltd Location: 11, Stevenson Square, Manchester, M1 1DB Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	501	-	384632 398453
139	**Contemporary Trade Directory Entries** Name: Itfaq Knitwear Location: 27, Berry Street, Manchester, M1 2PP Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	471	-	384912 397590
139	**Contemporary Trade Directory Entries** Name: Flowplant Group Ltd Location: 27, Berry Street, Manchester, Lancashire, M1 2PP Classification: Pumps - Sales, Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	471	-	384912 397590
139	**Contemporary Trade Directory Entries** Name: Delprint Display Location: 26 Buxton St, Manchester, M1 2PT Classification: Screen Process Printers **Status: Inactive** 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** Name: P N H Location: St. Margarets Chambers, 5, Newton Street, Manchester, Lancashire, M1 1HL Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	475	-	384543 398291
140	**Contemporary Trade Directory Entries** Name: Max Spielmann Location: 63, Piccadilly, Manchester, Lancashire, M1 2AG Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	475	-	384534 398271
140	**Contemporary Trade Directory Entries** Name: Force C Location: 5 Newton St, Manchester, M1 1HW Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	476	-	384542 398290
140	**Contemporary Trade Directory Entries** Name: Carr Manufacturing Co (Radcliffe) Ltd Location: First Floor, Clayton House, 59, Piccadilly, Manchester, M1 2AS Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	488	-	384529 398292
140	**Contemporary Trade Directory Entries** Name: Damp Aid Location: Clayton House, 59, Piccadilly, Manchester, M1 2AQ Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	488	-	384529 398292
140	**Contemporary Trade Directory Entries** Name: Cherry Smart Services Ltd Location: Clayton House, 59, Piccadilly, Manchester, M1 2AQ Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	488	-	384529 398292
140	**Contemporary Trade Directory Entries** Name: Kane Contracts Ltd Location: Third Floor,Clayton House,59 Piccadilly, Manchester, M1 2AQ Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	489	-	384528 398292
140	**Contemporary Trade Directory Entries** Name: John Addley Ltd Location: Clayton House, 59, Piccadilly, Manchester, Lancashire, M1 2AQ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	492	-	384518 398278
140	**Contemporary Trade Directory Entries** Name: Scotfax Location: Clayton House, 59, Piccadilly, Manchester, Lancashire, M1 2AQ Classification: Photocopiers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	492	-	384518 398278
140	**Contemporary Trade Directory Entries** Name: Scotfax Location: Clayton House, 59, Piccadilly, Manchester, Lancashire, M1 2AQ Classification: Photocopiers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	492	-	384518 398278
140	**Contemporary Trade Directory Entries** Name: Forward Bird Control Location: Clayton House, 59, Piccadilly, Manchester, Lancashire, M1 2AQ Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	492	-	384518 398278
140	**Contemporary Trade Directory Entries** Name: Oceanblue Logistics Location: Clayton House, 59, Piccadilly, Manchester, Lancashire, M1 2AQ Classification: Freight Forwarders **Status: Inactive** 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** Name: Multitude Estates Ltd Location: Clayton House, 59, Piccadilly, Manchester, M1 2AQ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	492	-	384518 398278
140	**Contemporary Trade Directory Entries** Name: Printpug.Com Location: Piccadilly House, 49, Piccadilly, Manchester, M1 2AP Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	522	-	384494 398297
140	**Contemporary Trade Directory Entries** Name: Manchester Office Cleaners Location: Piccadilly House, 49, Piccadilly, Manchester, M1 2AP Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	522	-	384494 398297
141	**Contemporary Trade Directory Entries** Name: Manchester Tyre Services Location: 101, Fairfield Street, Manchester, M1 2WG Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	478	-	385317 397709
141	**Contemporary Trade Directory Entries** Name: B G M Wire Products Ltd Location: 102, North Western Street, Manchester, M12 6JL Classification: Wire Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A8NE (SE)	488	-	385290 397674
141	**Contemporary Trade Directory Entries** Name: Greenwell Motors Location: 94-104, Fairfield Street, Manchester, M1 2WR Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	520	-	385334 397669
141	**Contemporary Trade Directory Entries** Name: Fletcher Garages Location: 94-104, Fairfield Street, Manchester, M1 2WR Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	520	-	385334 397669
142	**Contemporary Trade Directory Entries** Name: Ed Chapman Ltd Location: Union Mill, Redhill Street, Manchester, M4 5AU Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	493	-	385066 398582
143	**Contemporary Trade Directory Entries** Name: Corralls Location: 54-58, Great Ancoats Street, Manchester, M4 5AB Classification: Coal & Smokeless Fuel Merchants & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	508	-	384822 398574
143	**Contemporary Trade Directory Entries** Name: Spray Tech Location: Ground Floor, 16, Blossom Street, Manchester, M4 5AW Classification: Printers Textile **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	516	-	384859 398594
143	**Contemporary Trade Directory Entries** Name: Bhana Clothing Location: Ground Floor, 16, Blossom Street, Manchester, Lancashire, M4 5AW Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SW (N)	516	-	384859 398594
143	**Contemporary Trade Directory Entries** Name: Daisy Fashions Location: 16, Blossom Street, Manchester, Lancashire, M4 5AW Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** 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** Name: Miroil Uk Ltd Location: 13, Blossom Street, Manchester, M4 5AF Classification: Catering Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	554	-	384820 398622
144	**Contemporary Trade Directory Entries** Name: Eric Brownbill Fashion Agencies Location: 20, Dale Street, Manchester, Lancashire, M1 1EZ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	524	-	384527 398362
144	**Contemporary Trade Directory Entries** Name: Watts Bros (Manchester) Ltd Location: 20, Dale Street, Manchester, Lancashire, M1 1EZ Classification: Hats & Caps - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	524	-	384527 398362
144	**Contemporary Trade Directory Entries** Name: La Vie Facile Location: 20, Dale Street, Manchester, Lancashire, M1 1EZ Classification: Footwear Manufacturers & Wholesale **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	524	-	384527 398362
144	**Contemporary Trade Directory Entries** Name: K O Sports Location: Apartment 104, Chatsworth House, 19, Lever Street, Manchester, M1 1BY Classification: Sports Equipment Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	565	-	384491 398382
145	**Contemporary Trade Directory Entries** Name: United Global Logistics Location: Minshull House, 47, Chorlton Street, Manchester, M1 3FY Classification: Freight Forwarders **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	529	-	384479 397885
146	**Contemporary Trade Directory Entries** Name: F & B Hosiery Manufacturing Co Ltd Location: 10, Nether Street, Manchester, M12 6HY Classification: Lingerie & Hosiery Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	537	-	385029 397521
146	**Contemporary Trade Directory Entries** Name: Ryder Towing Equipment Ltd Location: Mancunian Way, Manchester, Lancashire, M12 6HJ Classification: Trailers & Towing Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	537	-	385029 397521
146	**Contemporary Trade Directory Entries** Name: Hilclare Ltd Location: Unit 1, Bond Street Industrial Estate, Mancunian Way, Manchester, M12 6HW Classification: Lighting Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	555	-	385076 397508
146	**Contemporary Trade Directory Entries** Name: Klyne & Klyne Location: Unit 5, Bond Street Industrial Estate, Mancunian Way, Manchester, M12 6HW Classification: Do It Yourself Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	555	-	385076 397508
147	**Contemporary Trade Directory Entries** Name: Revolution It Location: 100, Fairfield Street, Manchester, Lancashire, M1 2WR Classification: Computer Recycling & Disposal **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	545	-	385357 397655
147	**Contemporary Trade Directory Entries** Name: Auto Care Assist Location: 102 Fairfield St, Manchester, Lancashire, M1 2WR Classification: Garage Services **Status: Active** 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** Name: Fairfield Motor Garage Location: 100, Fairfield Street, Manchester, M1 2WR Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	545	-	385357 397655
147	**Contemporary Trade Directory Entries** Name: Urban Fabrication & Engineering Ltd Location: 100, Temperance Street, Manchester, Lancashire, M12 6HU Classification: Steel Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	550	-	385309 397610
147	**Contemporary Trade Directory Entries** Name: Bakewell Engineering Ltd Location: 99, North Western Street, Manchester, M12 6JL Classification: Metal Products - Fabricated **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	555	-	385349 397635
147	**Contemporary Trade Directory Entries** Name: Cristecuk Garage Location: 102 Fairfield Street, Manchester, Lancashire, M1 2WR Classification: Breakdown and Recovery **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	556	-	385375 397656
147	**Contemporary Trade Directory Entries** Name: Cristecuk Ltd Location: 102 Fairfield St, Manchester, Lancashire, M1 2WR Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	557	-	385374 397654
147	**Contemporary Trade Directory Entries** Name: The Cab Co Location: 102 Fairfield St, Manchester, Lancashire, M1 2WR Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	573	-	385380 397638
147	**Contemporary Trade Directory Entries** Name: Generation Clothing Location: 98 North Western St, Manchester, Lancashire, M12 6JL Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	574	-	385366 397624
148	**Contemporary Trade Directory Entries** Name: Arthur Henriques Ltd Location: Vulcan Works, Pollard Street, Manchester, M4 7AR Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	553	-	385536 398214
148	**Contemporary Trade Directory Entries** Name: Pollard Vacforming Co Location: Vulcan Works, Pollard Street, Manchester, Lancashire, M4 7AN Classification: Packaging & Wrapping Equipment & Supplies **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	553	-	385536 398214
148	**Contemporary Trade Directory Entries** Name: Gina Fashions Location: Vulcan Works, Pollard Street, Manchester, Lancashire, M4 7AN Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	553	-	385536 398214
148	**Contemporary Trade Directory Entries** Name: Twentyfour Seven Vulcan Ltd Location: Vulcan Works, Pollard Street, Manchester, Lancashire, M4 7AR Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	553	-	385536 398214
148	**Contemporary Trade Directory Entries** Name: Diamond Auto Salvage Location: 21 Pollard St, Manchester, M4 7AF Classification: Salvage Dealers **Status: Inactive** 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** Name: C H Cross & Son Ltd Location: Vulcan Works, Malta Street, Manchester, M4 7AP Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	599	-	385575 398242
149	**Contemporary Trade Directory Entries** Name: Broadcasting Support Services Location: 24, Piccadilly Trading Estate, Manchester, M1 2NP Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	558	-	385532 397910
150	**Contemporary Trade Directory Entries** Name: A 2 Z Knitwear Ltd Location: 56, Lever Street, Manchester, M1 1FJ Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	558	-	384720 398582
150	**Contemporary Trade Directory Entries** Name: Manchester Printing Co Ltd Location: 75 Lever St, Manchester, Lancashire, M1 1FL Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18SW (NW)	568	-	384680 398570
150	**Contemporary Trade Directory Entries** Name: Silk Beauty Location: 10, Bradley Street, Manchester, M1 1EH Classification: Electrolysis **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	582	-	384673 398583
151	**Contemporary Trade Directory Entries** Name: Advent Location: 309, Great Ancoats Street, Manchester, M4 7DF Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	564	-	385559 398014
152	**Contemporary Trade Directory Entries** Name: F D T Transport Ltd Location: 113, Fairfield Street, Manchester, Lancashire, M12 6EL Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	565	-	385417 397686
153	**Contemporary Trade Directory Entries** Name: Blossom Motor Co Location: 27, Gun Street, Manchester, M4 5DN Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	567	-	384804 398630
153	**Contemporary Trade Directory Entries** Name: Al-Murid Pleating Co Location: 24-28, George Leigh Street, Manchester, M4 5DQ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	611	-	384809 398678
153	**Contemporary Trade Directory Entries** Name: Sam Knitwear Ltd Location: 24-28, George Leigh Street, Manchester, M4 5DQ Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	611	-	384809 398678
154	**Contemporary Trade Directory Entries** Name: Transport For Greater Manchester Location: 2, Picadilly Place, Manchester, Lancashire, M1 3BG Classification: Bus & Coach Operators & Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	577	-	384406 398205
155	**Contemporary Trade Directory Entries** Name: Dynamik Designs Location: 1, Stevenson Square, Manchester, Lancashire, M1 1DN Classification: Car Accessories Manufacturers **Status: Inactive** 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** Name: Flyers Group Location: 12, Hilton Street, Manchester, M1 1JF Classification: Children & Babywear - Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	597	-	384528 398483
155	**Contemporary Trade Directory Entries** Name: Bermona Ltd Location: 12, Hilton Street, Manchester, M1 1JF Classification: Hats & Caps - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	597	-	384528 398483
155	**Contemporary Trade Directory Entries** Name: Launderette Location: 19, Hilton Street, Manchester, M1 1JJ Classification: Laundries & Launderettes **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	598	-	384541 398499
156	**Contemporary Trade Directory Entries** Name: Amc Graphics Location: Lynx House, 17, Cotton Street, Manchester, M4 6AA Classification: Lithographic Plate Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	582	-	384858 398662
156	**Contemporary Trade Directory Entries** Name: Appleyard Press Location: Lynx House, 17, Cotton Street, Manchester, M4 6AA Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	582	-	384858 398662
157	**Contemporary Trade Directory Entries** Name: W Bernie Location: Stubbs Mill,Upper Kirby St, Manchester, M4 6FA Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	590	-	385480 398423
158	**Contemporary Trade Directory Entries** Name: Worlds Apart Location: Unit C, Aldow Enterprise Park, Blackett Street, Manchester, Lancashire, M12 6AE Classification: Screen Process Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	599	-	385526 397785
158	**Contemporary Trade Directory Entries** Name: Hugo James Ltd Location: Unit D, Aldow Enterprise Park, Blackett Street, Manchester, M12 6AE Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	617	-	385536 397765
159	**Contemporary Trade Directory Entries** Name: J F Haulage (Manchester) Ltd Location: 127, Fairfield Street, Manchester, M12 6EL Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	608	-	385472 397686
159	**Contemporary Trade Directory Entries** Name: Gilbert Albert & Son Ltd Location: 137, Fairfield Street, Manchester, M12 6FJ Classification: Commercial Vehicle Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	619	-	385483 397683
159	**Contemporary Trade Directory Entries** Name: John Grundy (Labels) Ltd Location: 137, Fairfield Street, Manchester, M12 6FJ Classification: Print Finishers **Status: Inactive** 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** Name: Car Clearence Location: 137, Fairfield Street, Manchester, Lancashire, M12 6FJ Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	619	-	385483 397683
159	**Contemporary Trade Directory Entries** Name: A W Allsop (Manchester) Ltd Location: Unit A, Aldow Enterprise Park, Blackett Street, Manchester, Lancashire, M12 6AE Classification: Lamination & Encapsulation Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	622	-	385510 397715
159	**Contemporary Trade Directory Entries** Name: Mr Clutch Location: Blackett Street, Manchester, M12 6EJ Classification: Brake & Clutch Service Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	645	-	385531 397703
159	**Contemporary Trade Directory Entries** Name: Mr Clutch Location: Blackett Street, Manchester, M12 6EJ Classification: Brake & Clutch Service Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	645	-	385531 397703
160	**Contemporary Trade Directory Entries** Name: Ireland & Hindley Ltd Location: Unit 8, Downing Street Industrial Estate, Charlton Place, Ardwick, Manchester, M12 6HH Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	618	-	384972 397438
160	**Contemporary Trade Directory Entries** Name: Olympus Coachcraft Location: Unit 7, Downing Street Industrial Estate, Charlton Place, Ardwick, Manchester, Lancashire, M12 6HH Classification: Car Customisation & Conversion Specialists **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	633	-	384980 397422
161	**Contemporary Trade Directory Entries** Name: Aka Designs Location: Beehive Mill, Jersey Street, Manchester, Lancashire, M4 6JG Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	635	-	385093 398721
161	**Contemporary Trade Directory Entries** Name: Pillar & Post Ltd Location: Beehive Mill, Jersey Street, Manchester, Lancashire, M4 6JG Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	635	-	385093 398721
162	**Contemporary Trade Directory Entries** Name: D T M Location: 45, Bengal Street, Manchester, M4 6AF Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	637	-	385042 398729
162	**Contemporary Trade Directory Entries** Name: Anglopack Ltd Location: 46, Radium Street, Manchester, M4 6AY Classification: Packaging Materials Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	668	-	385056 398759
163	**Contemporary Trade Directory Entries** Name: Dee Wong Food Ltd Location: Unit 1, Hoyle Street, Manchester, M12 6HG Classification: Food Products - Manufacturers **Status: Inactive** 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** Name: Bearing Mart Location: Unit 1, Hoyle Street, Manchester, Lancashire, M12 6HG Classification: Engineering Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	644	-	385298 397492
163	**Contemporary Trade Directory Entries** Name: Ply-Lining (Northern) Ltd Location: Unit 1, Hoyle Street, Manchester, M12 6HG Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	649	-	385298 397487
163	**Contemporary Trade Directory Entries** Name: Ardwick Auto Spares Location: Unit 2, Hoyle Street, Manchester, M12 6HG Classification: Car Breakers & Dismantlers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	653	-	385320 397495
163	**Contemporary Trade Directory Entries** Name: Manchester Recovery Services Location: Unit 3, Hoyle Street, Manchester, M12 6HG Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	657	-	385328 397495
163	**Contemporary Trade Directory Entries** Name: Jemm Autos Location: Unit 4, Hoyle Street, Manchester, M12 6HG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	662	-	385338 397495
164	**Contemporary Trade Directory Entries** Name: Lowbend Location: 95, Temperance Street, Manchester, Lancashire, M12 6HU Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	645	-	385393 397555
164	**Contemporary Trade Directory Entries** Name: Joe Farrell Location: 93, Temperance Street, Manchester, M12 6HU Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A9NW (SE)	666	-	385412 397543
164	**Contemporary Trade Directory Entries** Name: The Plastic Art Co Location: 92, Temperance Street, Manchester, M12 6HU Classification: Lamination & Encapsulation Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	672	-	385416 397539
165	**Contemporary Trade Directory Entries** Name: Samkou Export Co Location: 26, Richmond Street, Manchester, M1 3NB Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	649	-	384356 397870
166	**Contemporary Trade Directory Entries** Name: The Studio Copy Shop Location: 89-95, Oldham Street, Manchester, M4 1LW Classification: T-Shirts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	654	-	384532 398567
166	**Contemporary Trade Directory Entries** Name: T Shirt Xpress Location: 89-95, Oldham Street, Manchester, M4 1LW Classification: T-Shirts **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	654	-	384532 398567
166	**Contemporary Trade Directory Entries** Name: Prime Direct Distribution Ltd Location: 99 Oldham St, Manchester, Lancashire, M4 1LW Classification: Record, Tape & CD Manufacturers & Wholesalers **Status: Inactive** 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** Name: Stephs Manufacturing Location: 66 Tib St, Manchester, M4 1LG Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	663	-	384515 398564
166	**Contemporary Trade Directory Entries** Name: Fern Audio Ltd Location: 70-72, Tib Street, Manchester, M4 1LG Classification: Sound Equipment Systems Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	666	-	384522 398575
167	**Contemporary Trade Directory Entries** Name: Oblong Location: Aflex Palace, 52, Church Street, Manchester, Lancashire, M4 1PW Classification: Abattoirs **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	658	-	384423 398448
167	**Contemporary Trade Directory Entries** Name: Sentsations Location: Afflecks Arcade, 35-39, Oldham Street, Manchester, Lancashire, M1 1JG Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	658	-	384423 398448
168	**Contemporary Trade Directory Entries** Name: Express Motors Location: 47-49, Loom Street, Manchester, M4 6AW Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	659	-	384959 398753
169	**Contemporary Trade Directory Entries** Name: The Studio Workshop Location: Downing Street Indust Est,Charlton Pl, Ardwick, Manchester, M12 6HH Classification: Photographic Equipment & Supplies - Wholesale **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	668	-	384995 397388
169	**Contemporary Trade Directory Entries** Name: Speedy Location: Unit 1-3, Downing Street Industrial Estate, Charlton Place, Ardwick, Manchester, M12 6HH Classification: Lifting Equipment **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	685	-	384953 397372
170	**Contemporary Trade Directory Entries** Name: U Print Location: Sackville St, Manchester, Lancashire, M1 3NL Classification: Copying & Duplicating Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	668	-	384504 397594
171	**Contemporary Trade Directory Entries** Name: Freeflow Production Location: 3q Jersey St, Manchester, Lancashire, M4 6JG Classification: Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	675	-	385182 398742
172	**Contemporary Trade Directory Entries** Name: Pdc Manchester Location: 129, Oldham Street, Manchester, M4 1LN Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	677	-	384605 398652
172	**Contemporary Trade Directory Entries** Name: Pdc (Manchester) Location: 129, Oldham Street, Manchester, M4 1LN Classification: Printers **Status: Active** 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** Name: Print-Wear Ltd Location: 108 Tib Street, Manchester, Lancashire, M4 1LR Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	687	-	384590 398654
172	**Contemporary Trade Directory Entries** Name: The White Peg Co Location: 110-112, Tib Street, Manchester, M4 1LR Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	689	-	384595 398661
172	**Contemporary Trade Directory Entries** Name: Berwick Electronics Location: 53, Tib Street, Manchester, M4 1LS Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	699	-	384559 398648
173	**Contemporary Trade Directory Entries** Name: Kdp (Uk) Ltd Location: 36, Canal Street, Manchester, M1 3WD Classification: Non-Ferrous Metals **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	678	-	384346 397818
173	**Contemporary Trade Directory Entries** Name: Neat & Tidy Location: Amazon House, 3, Brazil Street, Manchester, M1 3PJ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	683	-	384358 397778
174	**Contemporary Trade Directory Entries** Name: Lamb Bros Location: 4, Cakebread Street, Manchester, M12 6HF Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	684	-	385074 397377
174	**Contemporary Trade Directory Entries** Name: Euro Beds Location: Unit 1, Manor Street, Manchester, M12 6HE Classification: Bed & Mattress Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	684	-	385074 397377
174	**Contemporary Trade Directory Entries** Name: Grand Central Autos Location: 4, Cakebread Street, Manchester, Lancashire, M12 6HF Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	684	-	385074 397377
174	**Contemporary Trade Directory Entries** Name: Auto Care Manchester Location: 2, Manor Street, Manchester, M12 6HE Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	684	-	385074 397377
174	**Contemporary Trade Directory Entries** Name: Americana International Ltd Location: Tanzaro House, Ardwick Green North, Manchester, Lancashire, M12 6FZ Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	715	-	385040 397343
174	**Contemporary Trade Directory Entries** Name: Equator Vegetarian Foods Location: Progress Centre, Charlton Place, Ardwick, Manchester, Lancashire, M12 6HS Classification: Food Products - Manufacturers **Status: Inactive** 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** Name: Blue Com Location: The Mews, Tanzaro House, Charlton Place, Ardwick, Manchester, Lancashire, M12 6HS Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status:** **Inactive** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	715	-	385040 397343
174	**Contemporary Trade Directory Entries** Name: City Traders Ltd Location: Progress Centre, Charlton Place, Ardwick, Manchester, M12 6HS Classification: Cosmetic Manufacturers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	715	-	385040 397343
174	**Contemporary Trade Directory Entries** Name: Aegis Blinds Location: Progress Centre,Charlton Pl, Ardwick, Manchester, Lancashire, M12 6HS Classification: Blinds, Awnings & Canopies **Status:** **Active** Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	715	-	385040 397343
174	**Contemporary Trade Directory Entries** Name: C S O Electronics Ltd Location: Unit 3,Progress Centre,Charlton Pl, Ardwick, Manchester, Lancashire, M12 6HS Classification: Electronic Engineers **Status:** **Inactive** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	716	-	385040 397342
175	**Contemporary Trade Directory Entries** Name: Almedina Motors Location: Unit 15, Victoria Industrial Estate, Pollard Street, Manchester, M4 7AX Classification: Garage Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	695	-	385605 398419
175	**Contemporary Trade Directory Entries** Name: City Components Location: Unit 9, Victoria Industrial Estate, Pollard Street, Manchester, M4 7AX Classification: Engineers - General **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	699	-	385626 398389
175	**Contemporary Trade Directory Entries** Name: Mahboob Location: Unit 1a,Victoria Ind Est,Pollard St, Manchester, M4 7AX Classification: Knitwear Manufacturers & Wholesalers **Status:** **Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14NW (NE)	703	-	385632 398386
176	**Contemporary Trade Directory Entries** Name: 151 Products Ltd Location: 39, Bengal Street, Manchester, M4 6AF Classification: Distribution Services **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	696	-	385015 398790
176	**Contemporary Trade Directory Entries** Name: Georgia Fashions Location: 1st Floor Waulk Mill,Bengal St, Manchester, M4 6HQ Classification: Clothing & Fabrics - Manufacturers **Status:** **Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	721	-	384974 398815
177	**Contemporary Trade Directory Entries** Name: Archmate Ltd Location: Flat 15, Granby House, Granby Row, Manchester, M1 7AR Classification: Rubber & Plastic Products - Manufacturers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	698	-	384447 397612
178	**Contemporary Trade Directory Entries** Name: Shaheen Knitwear Ltd Location: 17, Manor Street, Manchester, M12 6HE Classification: Packaging & Wrapping Equipment & Supplies **Status:** **Inactive** 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** Name: 2 Squared Agency Location: 27, Manor Street, Manchester, Lancashire, M12 6HE Classification: Footwear Manufacturers & Wholesale **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	729	-	385107 397337
179	**Contemporary Trade Directory Entries** Name: Diamond Trading Co Location: 7-9, Swan Street, Manchester, M4 5JJ Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	699	-	384619 398687
180	**Contemporary Trade Directory Entries** Name: Leaflet Distribution Manchester Location: Portland Tower,Portland Street, Manchester, Lancashire, M1 3LF Classification: Distribution Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	700	-	384280 397963
180	**Contemporary Trade Directory Entries** Name: Scrap A Car For Cash Manchester Location: Portland Tower, Portland Street, Manchester, M1 3LD Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	700	-	384280 397963
180	**Contemporary Trade Directory Entries** Name: Debs Europe Liason Office Location: Portland Tower, Portland Street, Manchester, M1 3LD Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	700	-	384280 397963
180	**Contemporary Trade Directory Entries** Name: Beverley Clifton Morris Location: Portland Tower, Portland Street, Manchester, Lancashire, M1 3LF Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	700	-	384280 397963
180	**Contemporary Trade Directory Entries** Name: Scrap Cars For Cash Manchester Location: Portland St, Manchester, Lancashire, M1 3LF Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	700	-	384280 397963
181	**Contemporary Trade Directory Entries** Name: Rentokil Specialist Hygiene Location: Faulkner House, Faulkner Street, Manchester, M1 4DY Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	706	-	384264 398118
182	**Contemporary Trade Directory Entries** Name: Made In Manchester Ltd Location: 30a, Poland Street, Manchester, M4 6BH Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	714	-	385143 398792
182	**Contemporary Trade Directory Entries** Name: Altimo Clothing Co Location: Unit 106, George Leigh Street, Manchester, M4 6BD Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	760	-	385142 398839
182	**Contemporary Trade Directory Entries** Name: R K Ross & Co Ltd Location: George Leigh Street, Manchester, M4 6BD Classification: Textile Manufacturing **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	760	-	385142 398839
183	**Contemporary Trade Directory Entries** Name: Direct Janitorial Supplies Location: 52-54, Oldham Road, Manchester, M4 5EE Classification: Cleaning Materials & Equipment **Status: Inactive** 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** Name: Advanced Commercial Kitchens Ltd Location: 60, Oldham Road, Manchester, M4 5EE Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	728	-	384827 398804
184	**Contemporary Trade Directory Entries** Name: W H Hammond & Co (Manchester) Ltd Location: 58, Richmond Street, Manchester, M1 3WB Classification: Soft Furnishings - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	728	-	384296 397807
185	**Contemporary Trade Directory Entries** Name: Cooneen Textiles Ltd Location: Unit 1, Dark Lane, Manchester, M12 6FA Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	731	-	385534 397568
185	**Contemporary Trade Directory Entries** Name: Kea Designer Sportswear Location: Unit 1, Dark Lane, Manchester, Lancashire, M12 6FA Classification: Leisure & Sportswear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	731	-	385534 397568
186	**Contemporary Trade Directory Entries** Name: Luton Engineering Services Location: 6 Swan St, Manchester, Lancashire, M4 5JN Classification: Engineering Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	735	-	384624 398732
186	**Contemporary Trade Directory Entries** Name: Unique Design Ltd Location: 19-23, Swan Street, Manchester, M4 5JJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	747	-	384578 398718
187	**Contemporary Trade Directory Entries** Name: Platting Pallets Location: Oldham Rd, Manchester, M4 5FG Classification: Pallets, Crates & Packing Cases **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	736	-	384754 398792
187	**Contemporary Trade Directory Entries** Name: Trade N Save Location: 27-31 Oldham Rd, Manchester, M4 5FG Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	739	-	384764 398798
187	**Contemporary Trade Directory Entries** Name: Saira Ltd Location: 4 Addington St, Manchester, Lancashire, M4 5FQ Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A18NW (N)	760	-	384694 398794
187	**Contemporary Trade Directory Entries** Name: Kwik-Fit Location: 35-39, Oldham Road, Manchester, M4 5FG Classification: Exhaust & Shock Absorber Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	763	-	384737 398814
187	**Contemporary Trade Directory Entries** Name: Fiats 4 U Location: 35-39, Oldham Road, Manchester, Lancashire, M4 5FG Classification: Car Component Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	763	-	384737 398814
188	**Contemporary Trade Directory Entries** Name: Autocare M O T Ltd Location: 86-87, Temperance Street, Manchester, M12 6HU Classification: Mot Testing Centres **Status: Active** 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** Name: Norman Disney & Young Location: St. James House, 7, Charlotte Street, Manchester, Lancashire, M1 4DZ Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	743	-	384227 398079
190	**Contemporary Trade Directory Entries** Name: Le Missey Ltd Location: 10-20, Grosvenor Street, Manchester, Lancashire, M1 7JJ Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	744	-	384785 397340
191	**Contemporary Trade Directory Entries** Name: James Darby Location: The Deaprtment Store, 1-7, Oak Street, Manchester, Lancashire, M4 5JD Classification: Shirt Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	746	-	384437 398605
191	**Contemporary Trade Directory Entries** Name: The Print Room Location: 46, Edge Street, Manchester, M4 1HN Classification: Screen Process Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	761	-	384422 398611
191	**Contemporary Trade Directory Entries** Name: Seed Ceramics Location: Studio 14, Manchester Craft Centre, 17, Oak Street, Manchester, Lancashire, M4 5JD Classification: Ceramic Manufacturers, Supplies & Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	777	-	384454 398663
191	**Contemporary Trade Directory Entries** Name: Tracey Birchwood Location: Manchester Craft Centre,Oak St, Manchester, Lancashire, M4 5JD Classification: Ceramic Manufacturers, Supplies & Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	777	-	384453 398662
191	**Contemporary Trade Directory Entries** Name: Taylor & Galvin Location: 46-48, Copperas Street, Manchester, M4 1HS Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	783	-	384434 398652
192	**Contemporary Trade Directory Entries** Name: House Of Ethnic Foods Ltd Location: Unit 12, City Court Trading Estate, Poland Street, Manchester, M4 6AL Classification: Food Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	751	-	385198 398816
193	**Contemporary Trade Directory Entries** Name: New Deal Skates Location: 51 Turner St, Manchester, M4 1DN Classification: Leisure & Sportswear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	752	-	384389 398560
193	**Contemporary Trade Directory Entries** Name: True Brand International Location: 51, Turner Street, Manchester, Lancashire, M4 1DN Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	752	-	384389 398560
193	**Contemporary Trade Directory Entries** Name: Brookley Ltd Location: 43-45 Turner St, Manchester, M4 1DN Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** 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** Name: Fashion Row Manchester Ltd Location: 43-45 Turner St, Manchester, M4 1DN Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	762	-	384380 398564
194	**Contemporary Trade Directory Entries** Name: S K P Location: Unit 5a Victoria Indust Est,Pollard St, Manchester, M4 7AX Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NE (NE)	753	-	385689 398380
195	**Contemporary Trade Directory Entries** Name: Taylor Edwards & Co Location: Royal Buildings, 2, Mosley Street, Manchester, Lancashire, M2 3AN Classification: Gas Companies **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	755	-	384259 398336
196	**Contemporary Trade Directory Entries** Name: M & S Jaffe Ltd Location: 8, Cable Street, Manchester, M4 5EG Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (NW)	759	-	384658 398777
196	**Contemporary Trade Directory Entries** Name: Associated Security Services Location: Security House, 25, Addington Street, Manchester, M4 5EU Classification: Safes & Vaults - Suppliers & Installers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	799	-	384631 398808
196	**Contemporary Trade Directory Entries** Name: Barkat Knitwear Manufacturing Co Ltd Location: Cable St, Manchester, Lancashire, M4 5DF Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	825	-	384586 398814
196	**Contemporary Trade Directory Entries** Name: E & A Auto Services Location: 15 Cable St, Manchester, Lancashire, M4 5EG Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	829	-	384584 398817
196	**Contemporary Trade Directory Entries** Name: County Panels Location: 55, Cable Street, Manchester, M4 5DF Classification: Window Frame Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	835	-	384604 398834
196	**Contemporary Trade Directory Entries** Name: A V S Knitwear Ltd Location: 55, Cable Street, Manchester, Lancashire, M4 5DF Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	835	-	384604 398834
196	**Contemporary Trade Directory Entries** Name: U K Panel Location: 55, Cable Street, Manchester, Lancashire, M4 5DF Classification: PVC-U Products - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	835	-	384604 398834
197	**Contemporary Trade Directory Entries** Name: Maronixardwick Location: 50 Downing St, Manchester, Lancashire, M1 7JE Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	764	-	384911 397296
198	**Contemporary Trade Directory Entries** Name: Print 4 Less Location: 111, George Leigh Street, Manchester, M4 6BE Classification: Printers **Status: Inactive** 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** Name: A W Bag Manufacturers Location: 84, Silk Street, Manchester, M4 6BJ Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	779	-	385068 398870
198	**Contemporary Trade Directory Entries** Name: Cleaning Services (Manchester) Location: 82, Silk Street, Manchester, M4 6BJ Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	779	-	385068 398870
198	**Contemporary Trade Directory Entries** Name: World Of Cleaning Ltd Location: 82, Silk Street, Manchester, M4 6BJ Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	779	-	385068 398870
198	**Contemporary Trade Directory Entries** Name: World Of Cleaning Ltd Location: 82, Silk Street, Manchester, M4 6BJ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	779	-	385068 398870
199	**Contemporary Trade Directory Entries** Name: T Brown & Son Location: Primrose St,Off Oldham Rd, Manchester, M4 6AG Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	775	-	384991 398870
200	**Contemporary Trade Directory Entries** Name: K H Cabs Repair & Servicing Location: Mill Green St, Manchester, Lancashire, M12 6FB Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	776	-	385583 397556
200	**Contemporary Trade Directory Entries** Name: Choudhary Manufacturing Co Ltd Location: Dark Lane, Manchester, M12 6FA Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	792	-	385573 397521
201	**Contemporary Trade Directory Entries** Name: Spi Materials Location: 105 Princess St, Manchester, Lancashire, M1 6DD Classification: Electricity Companies **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	781	-	384240 397804
202	**Contemporary Trade Directory Entries** Name: Price Location: Market St, Manchester, Lancashire, M60 1TA Classification: Cutlery Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (NW)	783	-	384250 398390
202	**Contemporary Trade Directory Entries** Name: Belleek Pottery Ltd Location: Market St, Manchester, Lancashire, M60 1TA Classification: Pottery Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (NW)	789	-	384244 398393
203	**Contemporary Trade Directory Entries** Name: 1st Central Locksmiths Location: 51-55, Oldham Road, Manchester, M4 5FS Classification: Safes & Vaults - Suppliers & Installers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	784	-	384816 398859
204	**Contemporary Trade Directory Entries** Name: William Chitham Location: 121, Princess Street, Manchester, M1 7AD Classification: Photo & Digital Imaging Bureaus **Status: Inactive** 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** Name: Harris Darkrooms Location: 121, Princess Street, Manchester, M1 7AD Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	785	-	384333 397620
204	**Contemporary Trade Directory Entries** Name: Subway Location: Second Floor, 121, Princess Street, Manchester, Lancashire, M1 7AG Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	785	-	384333 397620
204	**Contemporary Trade Directory Entries** Name: Chamber Communication Ltd Location: 121, Princess Street, Manchester, Lancashire, M1 7AG Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	785	-	384333 397620
204	**Contemporary Trade Directory Entries** Name: Northern Contract Cleaners Location: Asia House, 82, Princess Street, Manchester, M1 6NF Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	821	-	384288 397624
204	**Contemporary Trade Directory Entries** Name: Broomwell Healthwatch Ltd Location: 86, Princess Street, Manchester, Lancashire, M1 6NG Classification: Medical & Dental Laboratories **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	839	-	384297 397578
204	**Contemporary Trade Directory Entries** Name: Seba (Uk) Ltd Location: 84 Princess St, Manchester, Lancashire, M1 6NG Classification: Machine Tool Accessories & Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	840	-	384296 397577
205	**Contemporary Trade Directory Entries** Name: Ged Crewe Ltd Location: 114, Oldham Road, Manchester, M4 6AG Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	791	-	384980 398886
205	**Contemporary Trade Directory Entries** Name: Badger Location: Oldham Rd, Manchester, M4 6AG Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	824	-	384966 398918
206	**Contemporary Trade Directory Entries** Name: Scootabout International Location: 101, Princess Street, Manchester, Lancashire, M1 6DD Classification: Materials Handling Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	793	-	384208 397860
206	**Contemporary Trade Directory Entries** Name: Licence Trade Consultants Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE Classification: Brewers' Equipment & Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	834	-	384170 397844
206	**Contemporary Trade Directory Entries** Name: Northern Consultancy Of Medical Management Ltd Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE Classification: Medical & Dental Laboratories **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	834	-	384170 397844
206	**Contemporary Trade Directory Entries** Name: R S I S Projects Ltd Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE Classification: Railways **Status: Inactive** 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** Name: Patriot Advertising Solutions Location: Imex House, 40, Princess Street, Manchester, M1 6DE Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	834	-	384170 397844
206	**Contemporary Trade Directory Entries** Name: Dunbar & Boardman Partnership Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE Classification: Lift Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	834	-	384170 397844
206	**Contemporary Trade Directory Entries** Name: London Global Location: 40 Princess St, Manchester, Lancashire, M1 6DE Classification: Printers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	834	-	384170 397844
207	**Contemporary Trade Directory Entries** Name: Gerards Ltd Location: William St, Ardwick, Manchester, M12 5FX Classification: Ice Cream Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	797	-	385639 397593
208	**Contemporary Trade Directory Entries** Name: Marc Ltd Location: 28-30, Edge Street, Manchester, M4 1HN Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	804	-	384399 398647
208	**Contemporary Trade Directory Entries** Name: Brucella Tait Location: First Floor, 40, Thomas Street, Manchester, M4 1ER Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	806	-	384366 398617
208	**Contemporary Trade Directory Entries** Name: David Ellis Location: First Floor, 40, Thomas Street, Manchester, M4 1ER Classification: Jewellery Manufacturers & Repairers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	806	-	384366 398617
208	**Contemporary Trade Directory Entries** Name: Why Publications Location: 40, Thomas Street, Manchester, Lancashire, M4 1ER Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	806	-	384366 398617
208	**Contemporary Trade Directory Entries** Name: Mehta & Mehta Ltd Location: 38, Thomas Street, Manchester, M4 1ER Classification: Children & Babywear - Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	811	-	384363 398621
208	**Contemporary Trade Directory Entries** Name: Gyroscope Ltd Location: 30-32, Thomas Street, Manchester, Lancashire, M4 1ER Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	835	-	384349 398642
209	**Contemporary Trade Directory Entries** Name: Questbond Ltd Location: Unit 5, City Court Trading Estate, Poland Street, Ancoats, Manchester, M4 6AL Classification: Printers **Status: Active** 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** Name: Baxter Diesel Service Location: 80, Temperance Street, Manchester, M12 6HU Classification: Fuel Injection Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	815	-	385540 397456
211	**Contemporary Trade Directory Entries** Name: Johnson Cleaners (Uk) Ltd Location: 24, High Street, Manchester, M4 1QB Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	818	-	384256 398483
212	**Contemporary Trade Directory Entries** Name: Oakland Fabrics Ltd Location: 44, George Street, Manchester, M1 4HF Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	820	-	384149 398085
212	**Contemporary Trade Directory Entries** Name: Sofas4u Location: George House, 48, George Street, Manchester, Lancashire, M1 4HF Classification: Furniture - Reproduction **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	830	-	384140 398073
212	**Contemporary Trade Directory Entries** Name: Prontaprint Location: 71a, Mosley Street, Manchester, M2 3JN Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	863	-	384107 398094
212	**Contemporary Trade Directory Entries** Name: Prontaprint Location: 71a, Mosley Street, Manchester, M2 3JN Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	864	-	384105 398090
213	**Contemporary Trade Directory Entries** Name: Univick Ltd Location: Ardwick Green North, Manchester, M12 6FZ Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	820	-	385190 397262
214	**Contemporary Trade Directory Entries** Name: Isocleanse Ltd Location: The Works Business Centre,5 Union St, Ardwick, Manchester, Lancashire, M12 4JD Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	823	-	385436 397367
214	**Contemporary Trade Directory Entries** Name: Ici Caldaie Ltd Location: The Works,5 Union St, Ardwick, Manchester, Lancashire, M12 4JD Classification: Boiler Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	841	-	385467 397366
214	**Contemporary Trade Directory Entries** Name: Siptel Location: Union St, Ardwick, Manchester, Lancashire, M12 4JD Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	851	-	385464 397352
215	**Contemporary Trade Directory Entries** Name: Gerards Ice Cream Ltd Location: William Street, Ardwick, Manchester, M12 5FX Classification: Ice Cream Manufacturers & Suppliers **Status: Active** 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** Name: Bestfellow Ltd Location: Unit 3 Poland Ind Est,29 Poland St, Manchester, M4 6AZ Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	834	-	385157 398912
217	**Contemporary Trade Directory Entries** Name: C & S Location: 2-4, Goulden Street, Manchester, M4 5EW Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	840	-	384704 398885
218	**Contemporary Trade Directory Entries** Name: Tyrewise Location: 8-10, Kale Street, Manchester, M13 9XG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	841	-	384986 397215
218	**Contemporary Trade Directory Entries** Name: Crescent Auto Centre Ltd Location: 29, Wadeson Road, Manchester, M13 9UG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	841	-	384986 397215
218	**Contemporary Trade Directory Entries** Name: Halfords Autocentre Location: 22-24, Ardwick Green South, Manchester, M13 9XE Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	851	-	385025 397206
218	**Contemporary Trade Directory Entries** Name: Westwood Security Shutters Ltd Location: 24, Ardwick Green South, Manchester, Lancashire, M13 9XE Classification: Roller Shutter Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	851	-	385025 397206
219	**Contemporary Trade Directory Entries** Name: E & A Auto Services Location: 15 Cable St, Ancoats, Manchester, Lancs, M4 5EG Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	850	-	384566 398831
219	**Contemporary Trade Directory Entries** Name: Uk Panel Location: 55, Cable Street, Manchester, Lancashire, M4 5DF Classification: PVC-U Products - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	888	-	384518 398847
219	**Contemporary Trade Directory Entries** Name: Instep Location: 55, Cable Street, Manchester, Lancashire, M4 5DF Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	888	-	384518 398847
219	**Contemporary Trade Directory Entries** Name: Fashion Mania Location: 13, Mason Street, Manchester, M4 5FT Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	890	-	384549 398867
219	**Contemporary Trade Directory Entries** Name: Mash Fashions Location: 13, Mason Street, Manchester, M4 5FT Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	890	-	384549 398867
219	**Contemporary Trade Directory Entries** Name: New Faz Fashions Location: 13, Mason Street, Manchester, M4 5FT Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** 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** Name: Milano Knitting Co Location: 13, Mason Street, Manchester, M4 5FT Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	890	-	384549 398867
219	**Contemporary Trade Directory Entries** Name: Daisy Fashions Ltd Location: 13, Mason Street, Manchester, M4 5FT Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	890	-	384549 398867
219	**Contemporary Trade Directory Entries** Name: Mcewen Location: 13, Mason Street, Manchester, M4 5FT Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	890	-	384549 398867
220	**Contemporary Trade Directory Entries** Name: Kayani Location: 28, Mason Street, Manchester, M4 5EY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	852	-	384625 398864
220	**Contemporary Trade Directory Entries** Name: W A S P Studios Location: 30a, Mason Street, Manchester, M4 5EY Classification: T-Shirts **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	384629 398898
220	**Contemporary Trade Directory Entries** Name: Euro Clothing Location: 30a, Mason Street, Manchester, M4 5EY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	384629 398898
220	**Contemporary Trade Directory Entries** Name: Al-Katib Technology Location: 30a, Mason Street, Manchester, Lancashire, M4 5EY Classification: Electronic Equipment - Manufacturers & Assemblers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	881	-	384629 398898
220	**Contemporary Trade Directory Entries** Name: Tamora Fashions Location: 30 Mason St, Manchester, M4 5EY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	881	-	384628 398898
220	**Contemporary Trade Directory Entries** Name: Diana Design Location: A, 30, Mason Street, Manchester, Lancashire, M4 5EY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	881	-	384629 398898
220	**Contemporary Trade Directory Entries** Name: Alterlist Ltd Location: 32, Mason Street, Manchester, M4 5EY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	888	-	384637 398909
220	**Contemporary Trade Directory Entries** Name: New Fashion Location: 32, Mason Street, Manchester, M4 5EY Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	888	-	384637 398909
220	**Contemporary Trade Directory Entries** Name: Fax Tip Ltd Location: 32, Mason Street, Manchester, M4 5EY Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Active** 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** Name: Hayes Of Manchester Location: 29, Wadeson Road, Manchester, M13 9UG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A8SW (S)	856	-	384937 397201
222	**Contemporary Trade Directory Entries** Name: Hub Interiors Location: Unit 11, Crown Industrial Estate, Poland Street, Manchester, M4 6BN Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	861	-	385173 398936
222	**Contemporary Trade Directory Entries** Name: Screen Print Ltd Location: Unit 1-2,Crown Ind Est,Poland St, Manchester, M4 6BN Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	883	-	385142 398964
222	**Contemporary Trade Directory Entries** Name: Crown Chips Location: Unit 4,Crown Ind Est,Poland St, Manchester, M4 6BN Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	883	-	385142 398964
222	**Contemporary Trade Directory Entries** Name: Ptek Ltd Location: Unit 5, Crown Industrial Estate, Poland Street, Manchester, M4 6BN Classification: Cleaning Materials & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	884	-	385143 398965
222	**Contemporary Trade Directory Entries** Name: Aspect Furniture Ltd Location: Unit 4, Crown Industrial Estate, Poland Street, MANCHESTER, M4 6BN Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	884	-	385143 398965
223	**Contemporary Trade Directory Entries** Name: We Print Group Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12NW (W)	867	-	384112 398208
223	**Contemporary Trade Directory Entries** Name: Msl Interiors Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN Classification: Office Furniture & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	867	-	384112 398208
223	**Contemporary Trade Directory Entries** Name: Fast Carpet Cleaners Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	867	-	384112 398208
223	**Contemporary Trade Directory Entries** Name: Project Print Solutions Ltd Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	867	-	384112 398208
224	**Contemporary Trade Directory Entries** Name: Pulse Laser Hairaesthetics Location: 18-20, Fountain Street, Manchester, M2 2AA Classification: Electrolysis **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	871	-	384140 398346
224	**Contemporary Trade Directory Entries** Name: Calvin Assett Management Ltd Location: 19, Spring Gardens, Manchester, M2 1FB Classification: Meter Manufacturers & Suppliers **Status: Active** 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** Name: Tom Blackburns Garage Ltd Location: 74, North Western Street, Manchester, M12 6DX Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	875	-	385607 397436
225	**Contemporary Trade Directory Entries** Name: Kendall & Roberts Location: 72, North Western Street, Manchester, M12 6DX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	897	-	385623 397423
225	**Contemporary Trade Directory Entries** Name: Ventella & Harrison Location: 72, Temperance Street, Manchester, M12 6HU Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A9NW (SE)	899	-	385611 397407
225	**Contemporary Trade Directory Entries** Name: A 2 B Logistics Location: 72 Temperance St, Manchester, Lancashire, M12 6HU Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	899	-	385610 397406
225	**Contemporary Trade Directory Entries** Name: D C M Services Location: 72, Temperance Street, Manchester, Lancashire, M12 6HU Classification: Recycling Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	899	-	385611 397407
225	**Contemporary Trade Directory Entries** Name: Platton Pallets Location: North Western St, Manchester, M12 6DX Classification: Pallets, Crates & Packing Cases **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	902	-	385632 397424
225	**Contemporary Trade Directory Entries** Name: Big Tread Tyres Ltd Location: Unit 87 North Western Street, Ardwick, Manchester, Lancashire, M12 6HU Classification: Tyre Repairs & Retreading **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	903	-	385633 397424
225	**Contemporary Trade Directory Entries** Name: Hosler Motors Location: 70-71, North Western Street, Manchester, M12 6DX Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	913	-	385635 397411
225	**Contemporary Trade Directory Entries** Name: Emptymybins Location: 70, Temperance Street, Manchester, M12 6HU Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	920	-	385627 397393
226	**Contemporary Trade Directory Entries** Name: Richard Conrad & Co Ltd Location: 36-38, Fountain Street, Manchester, M2 2BE Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	879	-	384114 398283
227	**Contemporary Trade Directory Entries** Name: Frames R W Location: Stubbs Mill,Piercy St, Ancoates, Manchester, Lancs, SK4 1QE Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	883	-	385717 398596
227	**Contemporary Trade Directory Entries** Name: R W Frames Location: 10, Piercy Street, Manchester, M4 6FB Classification: Furniture Manufacturers - Home & Office **Status: Inactive** 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** Name: K J Goldstraw & Sons Location: 10, Piercy Street, Manchester, M4 6FB Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	884	-	385718 398596
227	**Contemporary Trade Directory Entries** Name: Haji & Co Location: 10, Piercy Street, Manchester, M4 6FB Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	884	-	385718 398596
228	**Contemporary Trade Directory Entries** Name: V T G Location: Gainsborough House, 109, Portland Street, Manchester, Lancashire, M1 6DN Classification: Lift Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	883	-	384124 397827
228	**Contemporary Trade Directory Entries** Name: Operations Abroad Ltd Location: Gainsborough House, 109, Portland Street, Manchester, M1 6DN Classification: Hospitals **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	883	-	384124 397827
229	**Contemporary Trade Directory Entries** Name: Euro Clothing Location: Mason St, Manchester, M4 5EY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	888	-	384603 398894
229	**Contemporary Trade Directory Entries** Name: Eden Fashions Ltd Location: 53, Marshall Street, Manchester, M4 5FU Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	920	-	384570 398913
229	**Contemporary Trade Directory Entries** Name: Two Star Fashions Ltd Location: 53, Marshall Street, Manchester, M4 5FU Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	920	-	384570 398913
230	**Contemporary Trade Directory Entries** Name: B J Products Shavers & Spares Location: 5, Nicholas Croft, Manchester, M4 1EY Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	895	-	384282 398656
231	**Contemporary Trade Directory Entries** Name: Mels Location: 2, Stockland Close, Manchester, M13 9WY Classification: Ironing & Home Laundry Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	896	-	384713 397202
232	**Contemporary Trade Directory Entries** Name: Business Equipment & Scales Service Ltd Location: 9, Thomas Street, Manchester, M4 1EU Classification: Cash Registers & Check-Out Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	898	-	384326 398708
232	**Contemporary Trade Directory Entries** Name: 1st Call Locksmiths Services Location: 3, Soap Street, Manchester, M4 1EW Classification: Lock Suppliers and Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	910	-	384297 398695
232	**Contemporary Trade Directory Entries** Name: H J Barton Location: 60, Shudehill, Manchester, M4 4AA Classification: Jewellery Manufacturers & Repairers **Status: Active** 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** Name: Royle & Davies Location: 60, Shudehill, Manchester, M4 4AA Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	918	-	384339 398749
232	**Contemporary Trade Directory Entries** Name: G Stevenson Location: 60, Shudehill, Manchester, Lancashire, M4 4AA Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	918	-	384339 398749
233	**Contemporary Trade Directory Entries** Name: The Dot Factory Ltd Location: Jubilee House, 10, Durling Street, Manchester, M12 6FS Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	898	-	385346 397234
234	**Contemporary Trade Directory Entries** Name: Ops International Ltd Location: Brook House, 64-72, Spring Gardens, Manchester, M2 2BQ Classification: Oil Companies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	902	-	384072 398164
235	**Contemporary Trade Directory Entries** Name: Xenos Clothing Location: 60-64, Swan Street, Manchester, M4 5JU Classification: Children & Babywear - Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	905	-	384488 398848
235	**Contemporary Trade Directory Entries** Name: N Q Fireplace Studio Location: 60-64, Swan Street, Manchester, Lancashire, M4 5JU Classification: Fireplaces & Mantelpieces **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	905	-	384488 398848
235	**Contemporary Trade Directory Entries** Name: Gavidero Clothing Co Location: 68, Swan Street, Manchester, M4 5JU Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	914	-	384481 398854
235	**Contemporary Trade Directory Entries** Name: Dallas Knitwear Manchester Ltd Location: 2, Rochdale Road, Manchester, M4 4JR Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	923	-	384487 398869
235	**Contemporary Trade Directory Entries** Name: A1 Knitwear Ltd Location: 2, Rochdale Road, Manchester, M4 4JR Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	923	-	384487 398869
235	**Contemporary Trade Directory Entries** Name: Readyplus Ltd Location: 2, Rochdale Road, Manchester, M4 4JR Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	923	-	384487 398869
235	**Contemporary Trade Directory Entries** Name: Readyplus Location: 2, Rochdale Road, Manchester, Lancashire, M4 4JR Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	923	-	384487 398869
236	**Contemporary Trade Directory Entries** Name: Autolink Location: Chancellor Lane, Manchester, M12 6JZ Classification: Car Dealers **Status: Inactive** 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** Name: Total Location: Chancellor Lane, Manchester, M12 6JZ Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	910	-	385691 397476
236	**Contemporary Trade Directory Entries** Name: Gatewear Location: 60, Temperance Street, Manchester, Lancashire, M12 6DP Classification: Gate Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	910	-	385691 397476
236	**Contemporary Trade Directory Entries** Name: West Way Nissan Location: Chancellor Lane, Ardwick, Manchester, Lancashire, M12 6JZ Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	910	-	385691 397476
237	**Contemporary Trade Directory Entries** Name: Universal Utilities Location: Third Floor, Tootal House, 19-21, Spring Gardens, Manchester, M2 1FB Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	911	-	384093 398331
237	**Contemporary Trade Directory Entries** Name: Octapharma Ltd Location: The Zenith Building, 26, Spring Gardens, Manchester, Lancashire, M2 1AB Classification: Pharmaceutical Manufacturers & Distributors **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	955	-	384054 398354
237	**Contemporary Trade Directory Entries** Name: M60 Rescue & Recovery Location: 406 St James Ct,Brown St, Manchester, Lancashire, M2 2JG Classification: Commercial Vehicle Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	978	-	384026 398341
237	**Contemporary Trade Directory Entries** Name: Anywaste Uk Location: St. James Court, 30, Brown Street, Manchester, M2 1DH Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	993	-	384013 398350
237	**Contemporary Trade Directory Entries** Name: Wastelift Location: St. James Court, 30, Brown Street, Manchester, M2 1DH Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	993	-	384013 398350
238	**Contemporary Trade Directory Entries** Name: D C Motor Engineers Location: 1-3, York Street, Manchester, Lancashire, M1 7DE Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	913	-	384082 398298
238	**Contemporary Trade Directory Entries** Name: The Color Co Location: 41, Spring Gardens, Manchester, M2 2BG Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	922	-	384065 398263
238	**Contemporary Trade Directory Entries** Name: The Color Co Location: 41, Spring Gardens, Manchester, M2 2BG Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	922	-	384065 398263
239	**Contemporary Trade Directory Entries** Name: Bramhall Refrigeration Services Location: 23, Market Hall, Arndale Centre, Manchester, M4 3AW Classification: Refrigerators & Freezers - Servicing & Repairs **Status: Inactive** 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** Name: J J Nets Location: 49, High Street, Manchester, M4 3AH Classification: Homefurnishings - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	916	-	384220 398608
240	**Contemporary Trade Directory Entries** Name: Express Wholesale (Diy) Ltd Location: Pollard St, Manchester, M4 7JB Classification: Hardware **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	924	-	385806 398530
241	**Contemporary Trade Directory Entries** Name: First North Western Location: Bridgewater House, 58, Whitworth Street, Manchester, M1 6LS Classification: Railways **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	928	-	384158 397633
242	**Contemporary Trade Directory Entries** Name: Cabrelli Bros Location: 206, Oldham Road, Manchester, Lancashire, M4 6BQ Classification: Ice Cream Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	930	-	385177 399006
243	**Contemporary Trade Directory Entries** Name: Mr Pigs Location: 67, Temperance Street, Manchester, M12 6DP Classification: Motor Cycle Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	952	-	385651 397373
243	**Contemporary Trade Directory Entries** Name: Hentcho Recycling Services Location: 65-66, North Western Street, Manchester, Lancashire, M12 6DX Classification: Recycling Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SE (SE)	966	-	385676 397377
243	**Contemporary Trade Directory Entries** Name: Crown Windows & Doors Ltd Location: 64, North Western Street, Manchester, M12 6DX Classification: Window Frame Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SE (SE)	982	-	385689 397367
244	**Contemporary Trade Directory Entries** Name: Z Motor Location: Ashton Old Rd, Manchester, Lancashire, M12 6JD Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	956	-	385846 397626
245	**Contemporary Trade Directory Entries** Name: Smithfield Service Station Location: 12, Rochdale Road, Manchester, M4 4JR Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	966	-	384592 398975
246	**Contemporary Trade Directory Entries** Name: Tetra Pak Business Services Ltd Location: The Chancery,58 Spring Gdns, Manchester, M2 1EW Classification: Boxes & Cartons **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	966	-	384010 398190
246	**Contemporary Trade Directory Entries** Name: Whitecliffs Group Location: 61-63, Brown Street, Manchester, Lancashire, M2 2JG Classification: Electrolysis **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	978	-	383995 398172
247	**Contemporary Trade Directory Entries** Name: Chatfields Location: Ashton Old Road, Manchester, M12 6JD Classification: Commercial Vehicle Dealers **Status: Inactive** 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** Name: Tuesdays Girl Ltd Location: 54, Higher Ardwick, Manchester, M12 6DA Classification: Cosmetic Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	978	-	385503 397226
248	**Contemporary Trade Directory Entries** Name: Dolphin Knitting Co Ltd Location: 54, Higher Ardwick, Manchester, M12 6DA Classification: Knitting Machine - Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	978	-	385503 397226
248	**Contemporary Trade Directory Entries** Name: Horizon Knitwear Location: Horizon House, Harkness Street, Manchester, M12 6BT Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	1000	-	385510 397204
248	**Contemporary Trade Directory Entries** Name: Horizon Knitwear Ltd Location: Horizon House, Harkness Street, Manchester, M12 6BT Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	1000	-	385510 397204
249	**Contemporary Trade Directory Entries** Name: Business & Office Machine Services Ltd Location: The Bank, 209, Every Street, Manchester, M4 7EX Classification: Photocopiers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (E)	981	-	385911 398441
250	**Contemporary Trade Directory Entries** Name: Acorn Location: St. James Buildings, 79, Oxford Street, Manchester, Lancashire, M1 6FQ Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	982	-	384075 397678
250	**Contemporary Trade Directory Entries** Name: Faupel Plc Location: St. James Buildings, 79, Oxford Street, Manchester, Lancashire, M1 6FQ Classification: Soft Furnishings - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	982	-	384075 397678
250	**Contemporary Trade Directory Entries** Name: Jany (Uk) Location: St. James Buildings, 79, Oxford Street, Manchester, Lancashire, M1 6FQ Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	982	-	384075 397678
251	**Contemporary Trade Directory Entries** Name: Marks Bros Location: Brunswick Mill, Bradford Road, Manchester, Lancashire, M40 7EZ Classification: Plastics - Welding **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	983	-	385783 398676
251	**Contemporary Trade Directory Entries** Name: New Venture Print Ltd Location: Brunswick Mill, Bradford Road, Manchester, Lancashire, M40 7EZ Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	983	-	385783 398676
251	**Contemporary Trade Directory Entries** Name: Q & R Ladies Dressmakers Location: Brunswick Mill, Bradford Road, Manchester, Lancashire, M40 7EZ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	983	-	385783 398676
252	**Contemporary Trade Directory Entries** Name: Impex Trading Co Location: Flat 23, Oxford Place, 7, Oxford Road, Manchester, M1 6EY Classification: Carpets & Rugs - Manufacturers **Status: Inactive** 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** Name: Fletcher Garages Location: 100 Fairfield Street, Manchester, M1 2WR Brand: Unbranded Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	551	-	385359 397649
254	**Fuel Station Entries** Name: Blossom Motor Company Location: 27 Gun Street, Ancoats, Manchester, M4 5DN Brand: OBSOLETE Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Approximate location provided by supplier	A18SW (NW)	583	-	384700 398600
255	**Fuel Station Entries** Name: Smithfield Service Station Location: 12, Rochdale Road, Bendix Street,Collyhurst,, MANCHESTER, Lancashire, M24 6DP Brand: Unbranded Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	966	-	384592 398975
256	**Fuel Station Entries** Name: Ardwick Service Station Location: Chancellor Lane, Ardwick, Manchester, Lancashire, M12 6JZ Brand: Bp Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	990	-	385759 397433
257	**Fuel Station Entries** Name: Ardwick Green Express Location: Ardwick Green South, Manchester, M13 9XF Brand: Esso Premises Type: Petrol Station **Status: Open** 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** Name: Not Supplied Description: Surface Water 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 Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	August 2014	Quarterly
Water Abstractions Environment Agency - North West Region	July 2014	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	August 2014	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Source Protection Zones Environment Agency - Head Office	April 2014	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2014	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2014	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2014	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2014	Quarterly
Flood Defences Environment Agency - Head Office	February 2014	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage 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 British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2014	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	June 2011	Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	June 2011	Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	December 2013	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	May 2014	Quarterly
Fuel Station Entries 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

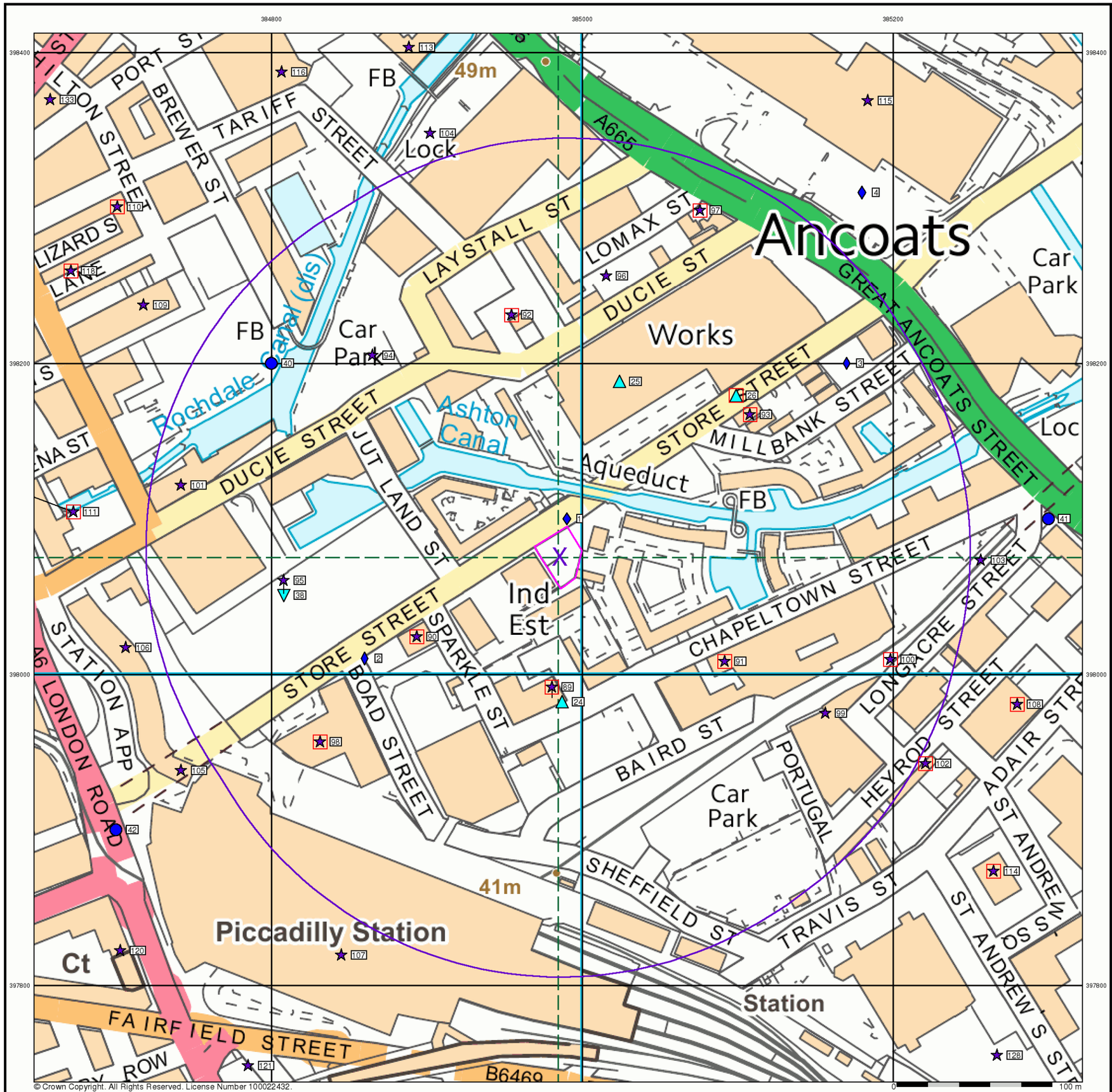
A selection of organisations who provide data within this report

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** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
4	**Manchester City Council - Environmental Health Department** PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY	Telephone: 0161 234 4884 / 234 4873. Fax: 0161 234 4508 Website: www.manchester.gov.uk
5	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
6	**The Coal Authority - Mining Report Service** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
7	**Peter Brett Associates** Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
8	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
9	**Manchester City Council - Planning Department** Town Hall, Manchester, Greater Manchester, M60 2LA	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk 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

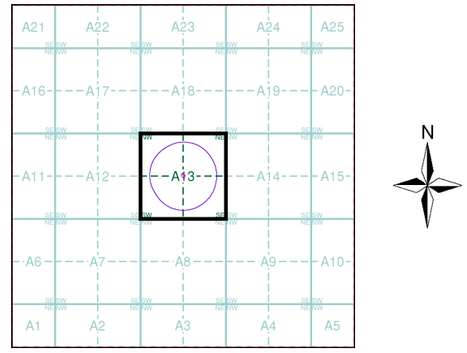
Hazardous Substances

- 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

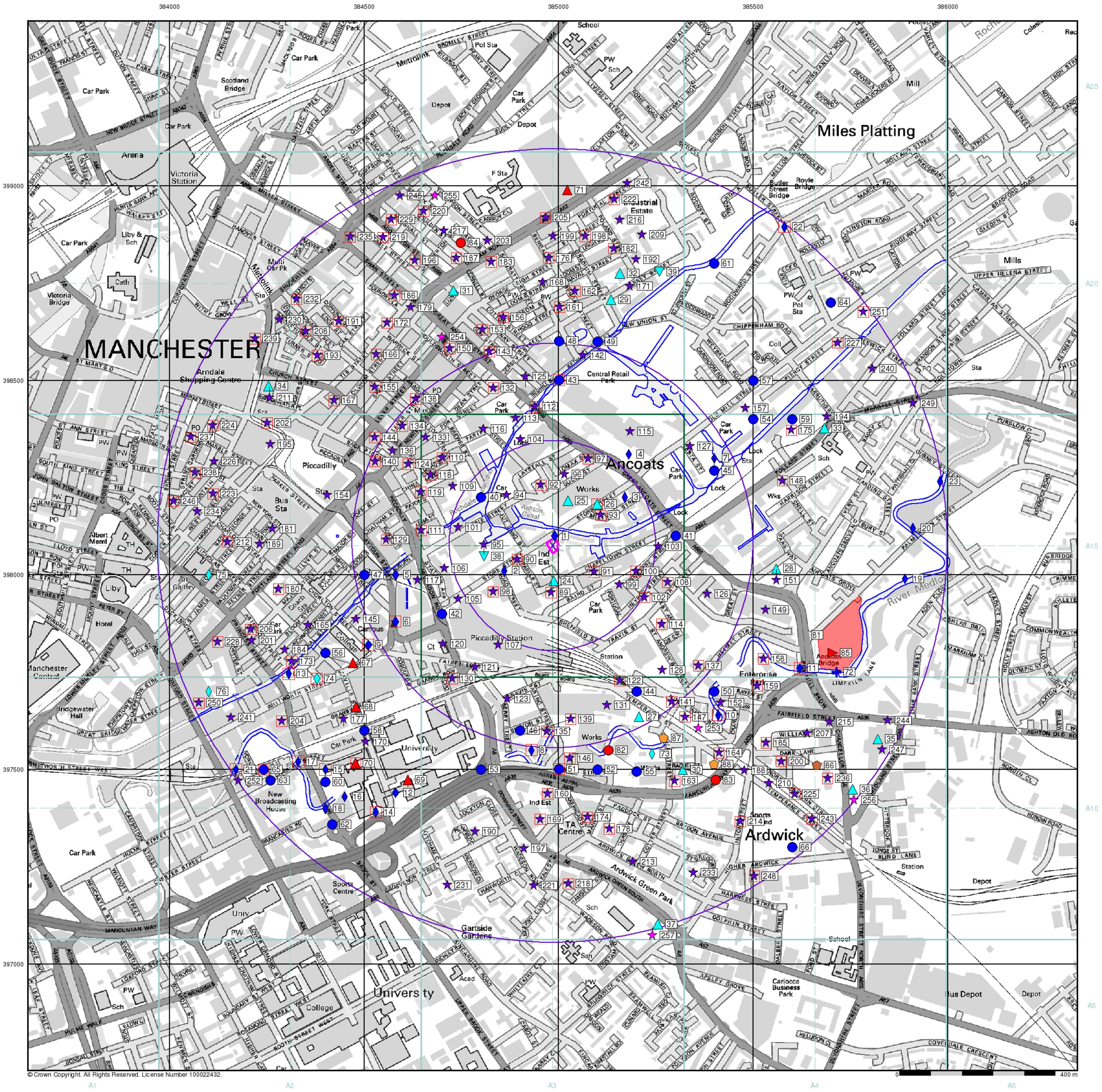
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Customer Ref:	PN143226
National Grid Reference:	384990, 398080
Slice:	A
Site Area (Ha):	0.07

Site Details

Site at 384980, 398080

Landmark Information Group

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



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geotechnics

General

- ⬠ Specified Site
- ⬠ Specified Buffer(s)
- X Bearing Reference Point
- 8 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

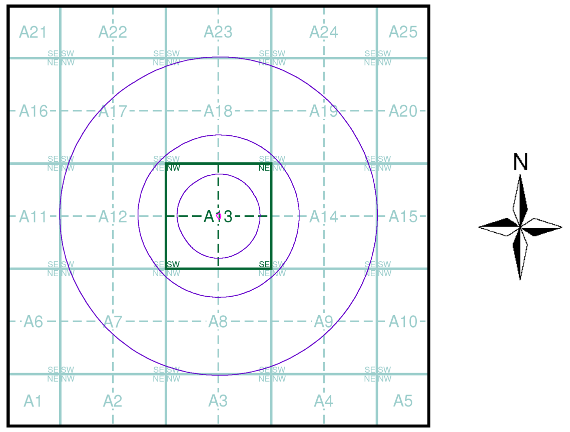
Industrial Land Use

- ★ Contemporary Trade Directory Entry
- ★ Fuel Station Entry

Hazardous Substances

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

Site Sensitivity Map - Slice A



Order Details

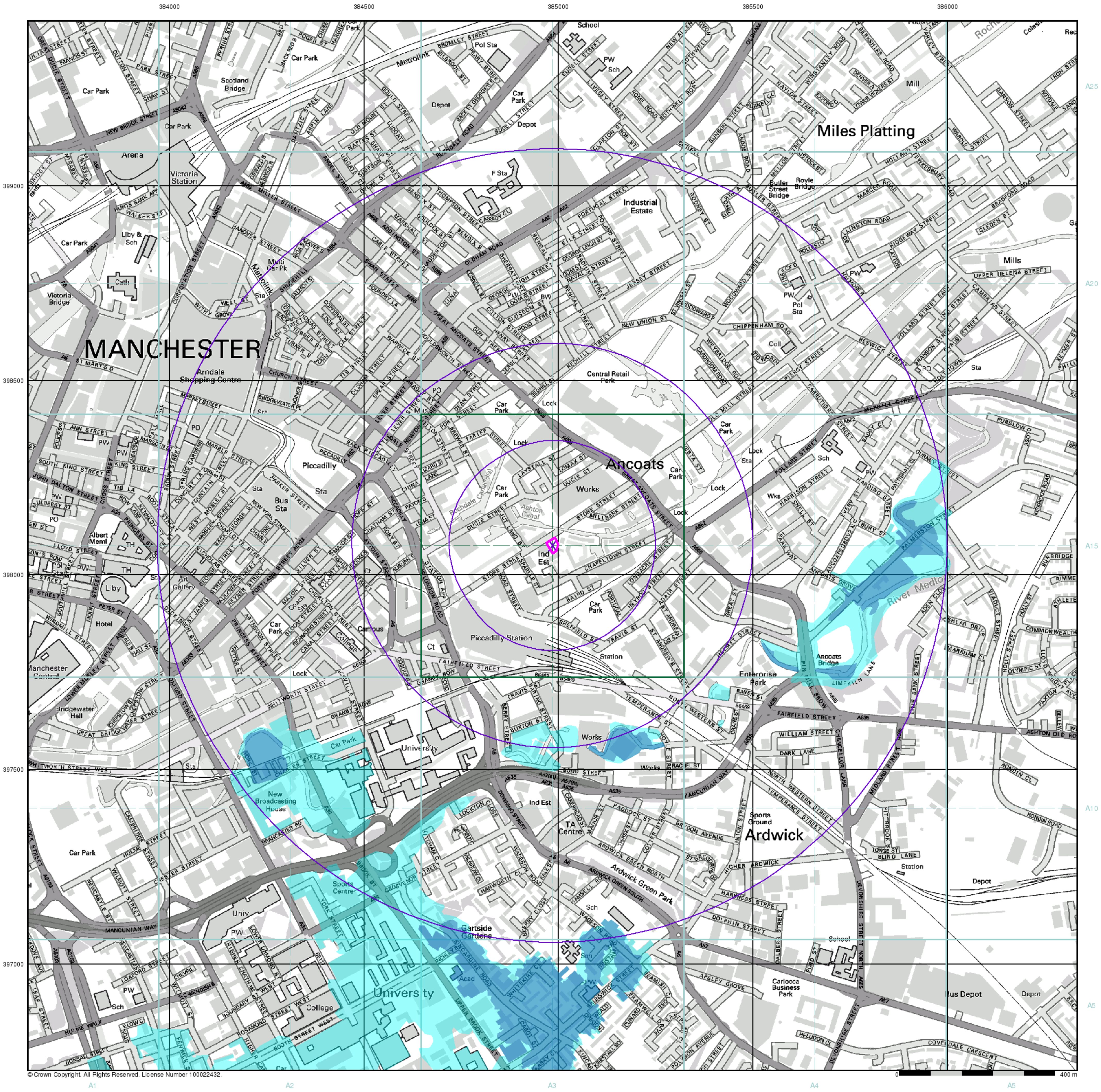
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Customer Ref: PN143226
National Grid Reference: 384990, 398080
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

Site at 384980, 398080

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Web: www.envirocheck.co.uk



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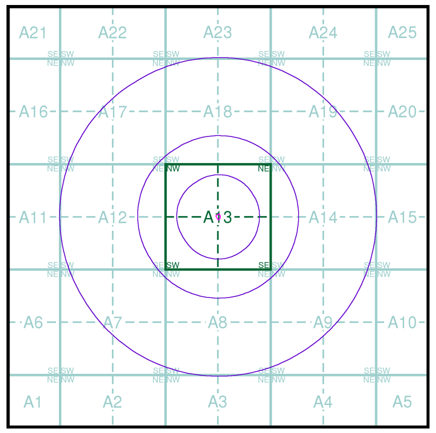
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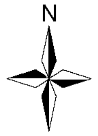
- ⬠ Specified Site
- ⬠ Specified Buffer(s)
- X Bearing Reference Point

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





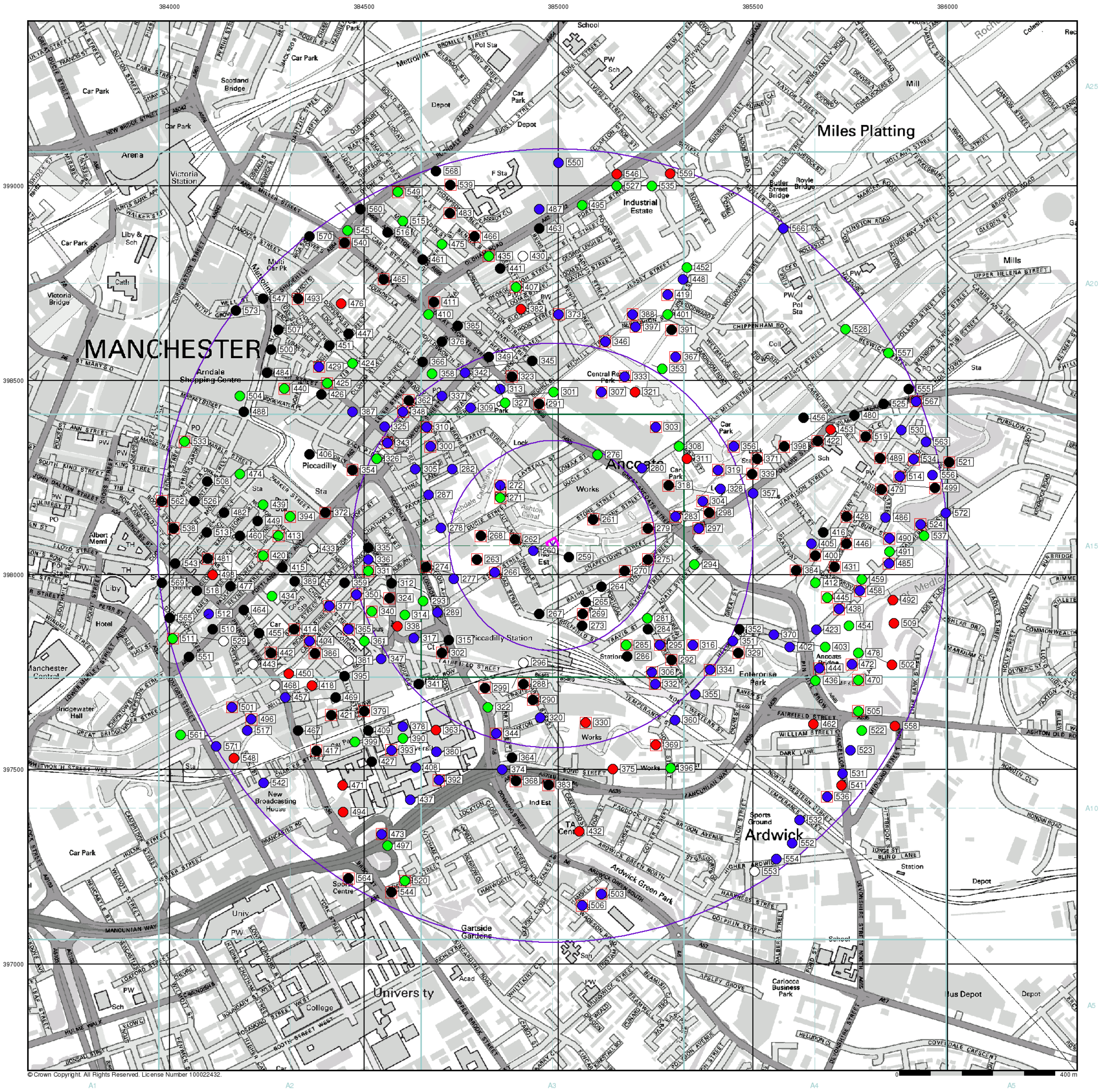
Order Details

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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General

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

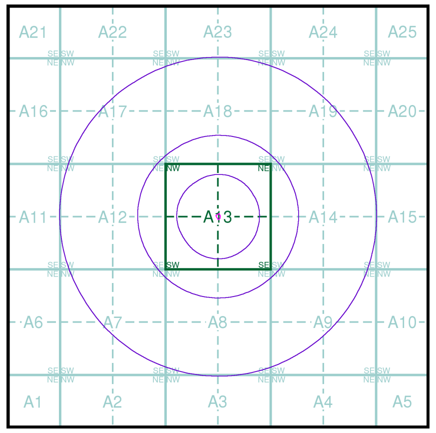
Agency and Hydrological (Boreholes)

- ● 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

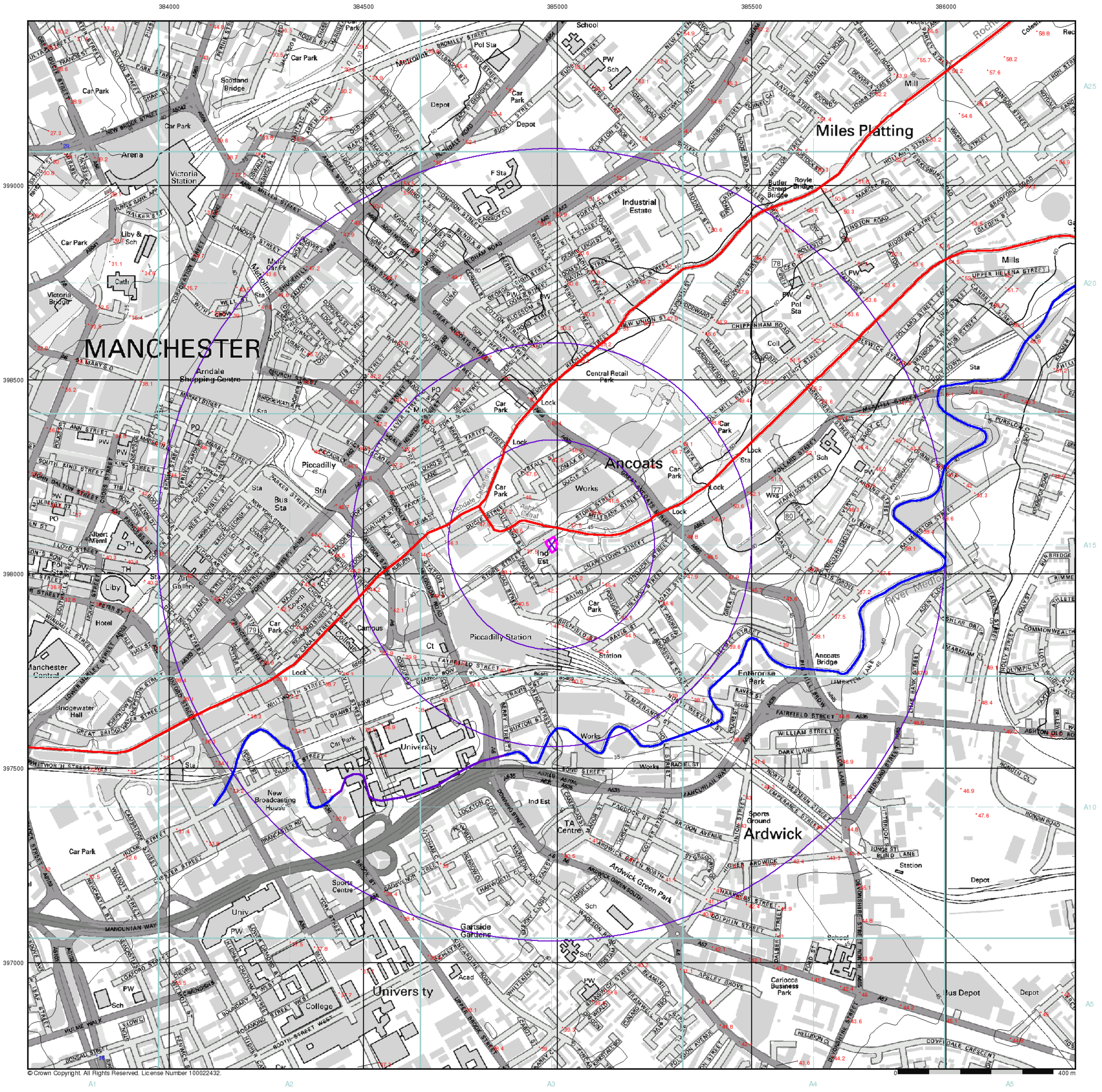
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Customer Ref: PN143226
National Grid Reference: 384990, 398080
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

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

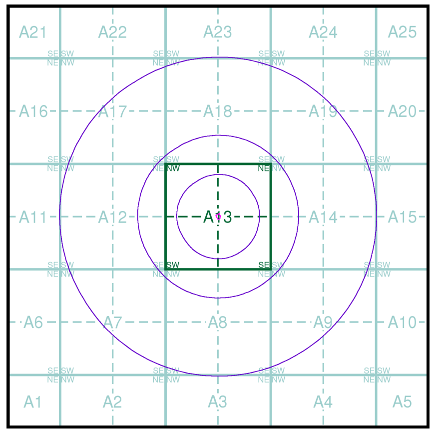
EA Detailed River Network Data

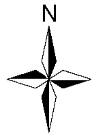
- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m
- Underground River (inferred))
- Underground River (local knowledge
- Downstream of High Water Mark :)
- Downstream of Seaward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

Contours (height in metres)

- Standard Contour
- Index Contour
- 167.3 Spot Height
- 45.8 Air Height

EA Detailed River Network Map - Slice A





Order Details

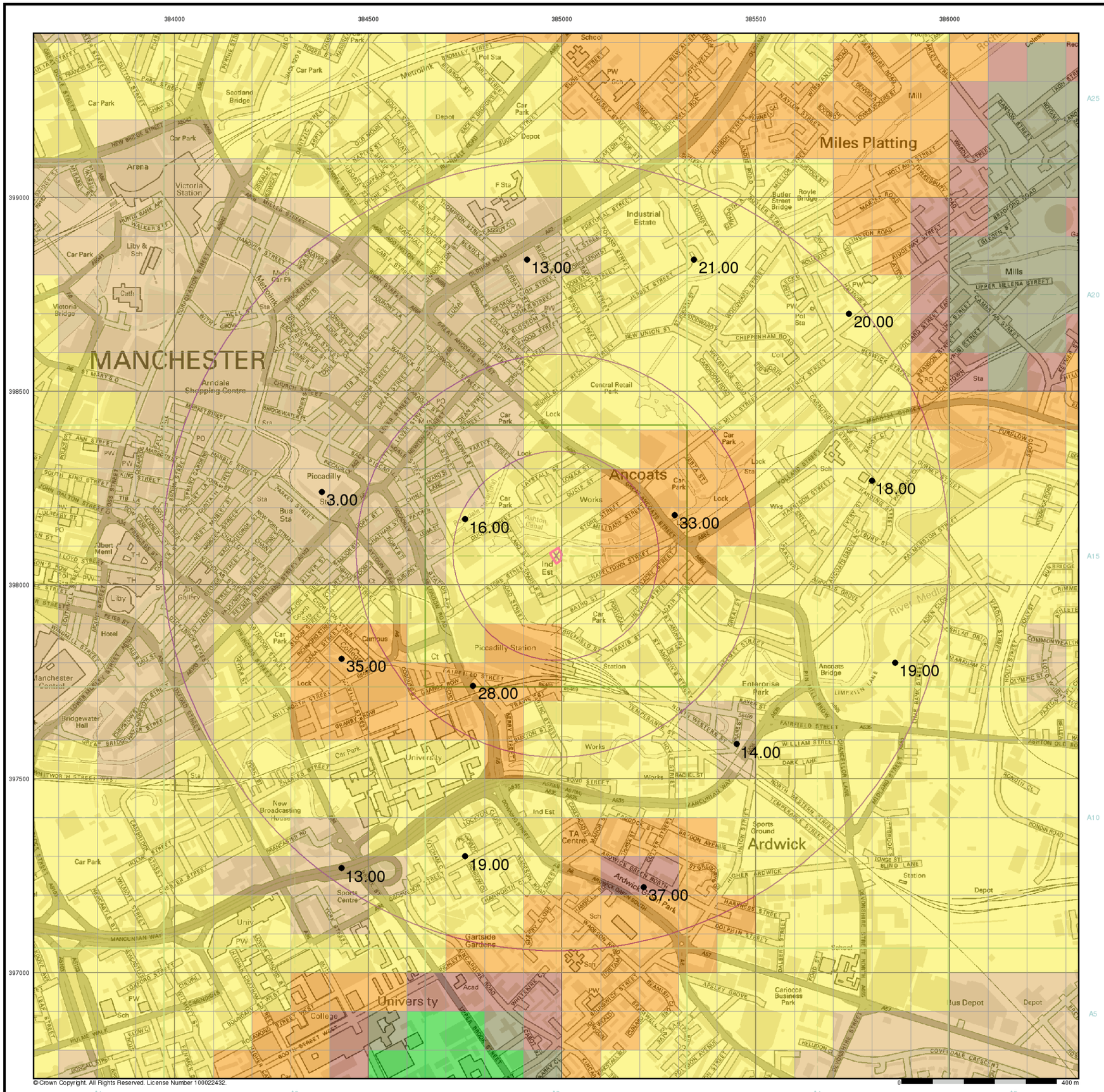
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Customer Ref: PN143226
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Slice: A
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General

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

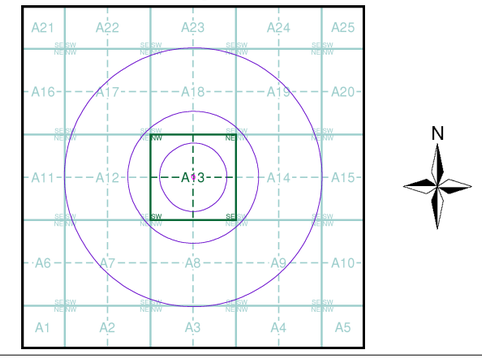
Urban Soil Chemistry Arsenic

● 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



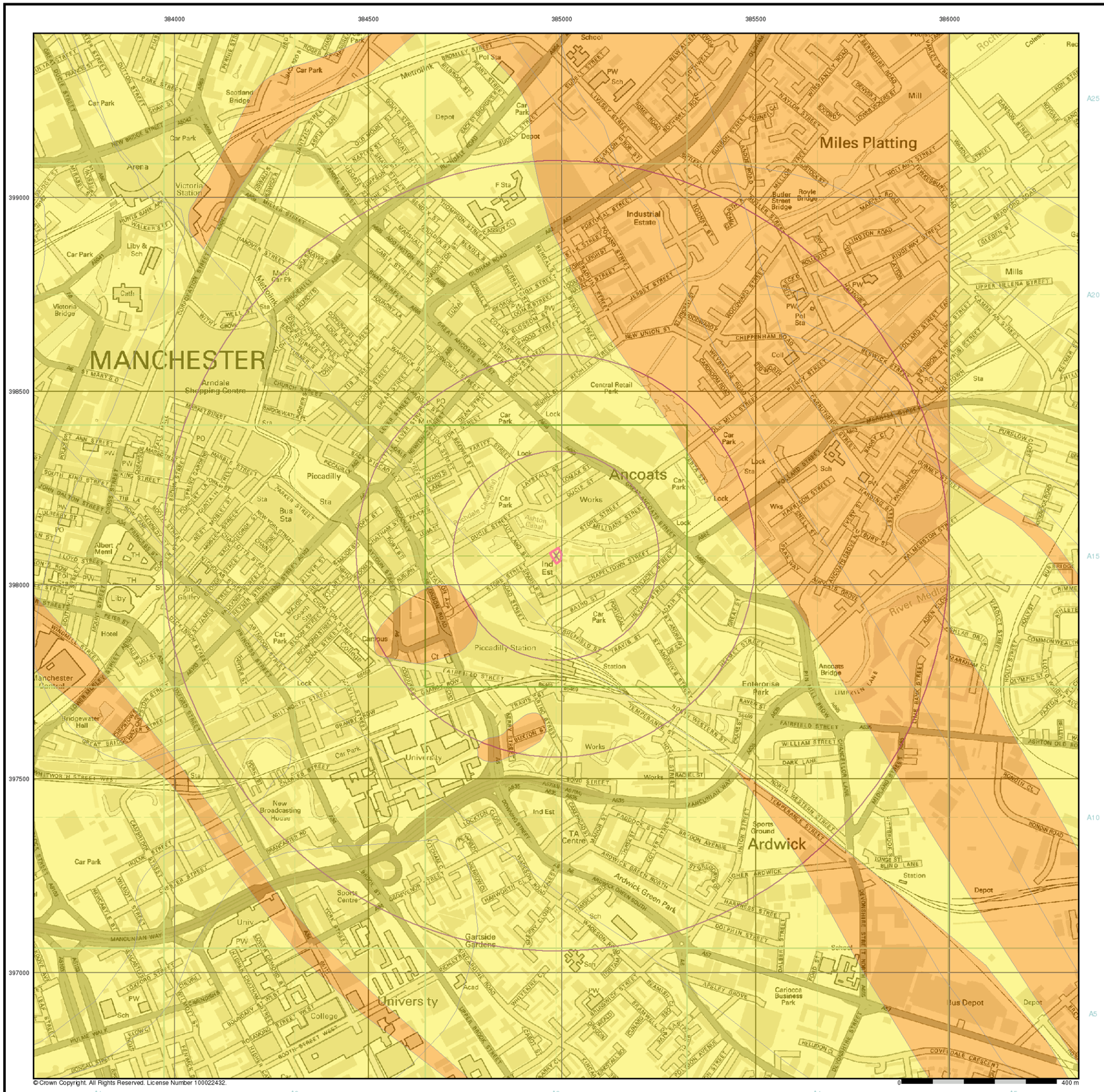
Order Details

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Site Area (Ha):	0.07
Search buffer (m):	1000

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General

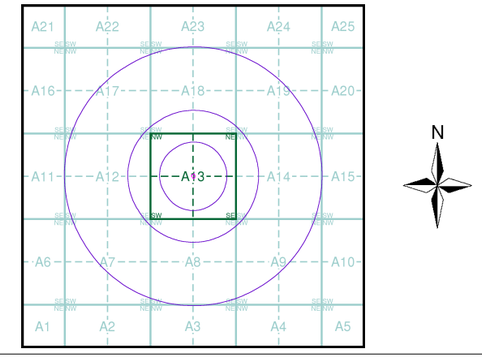
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



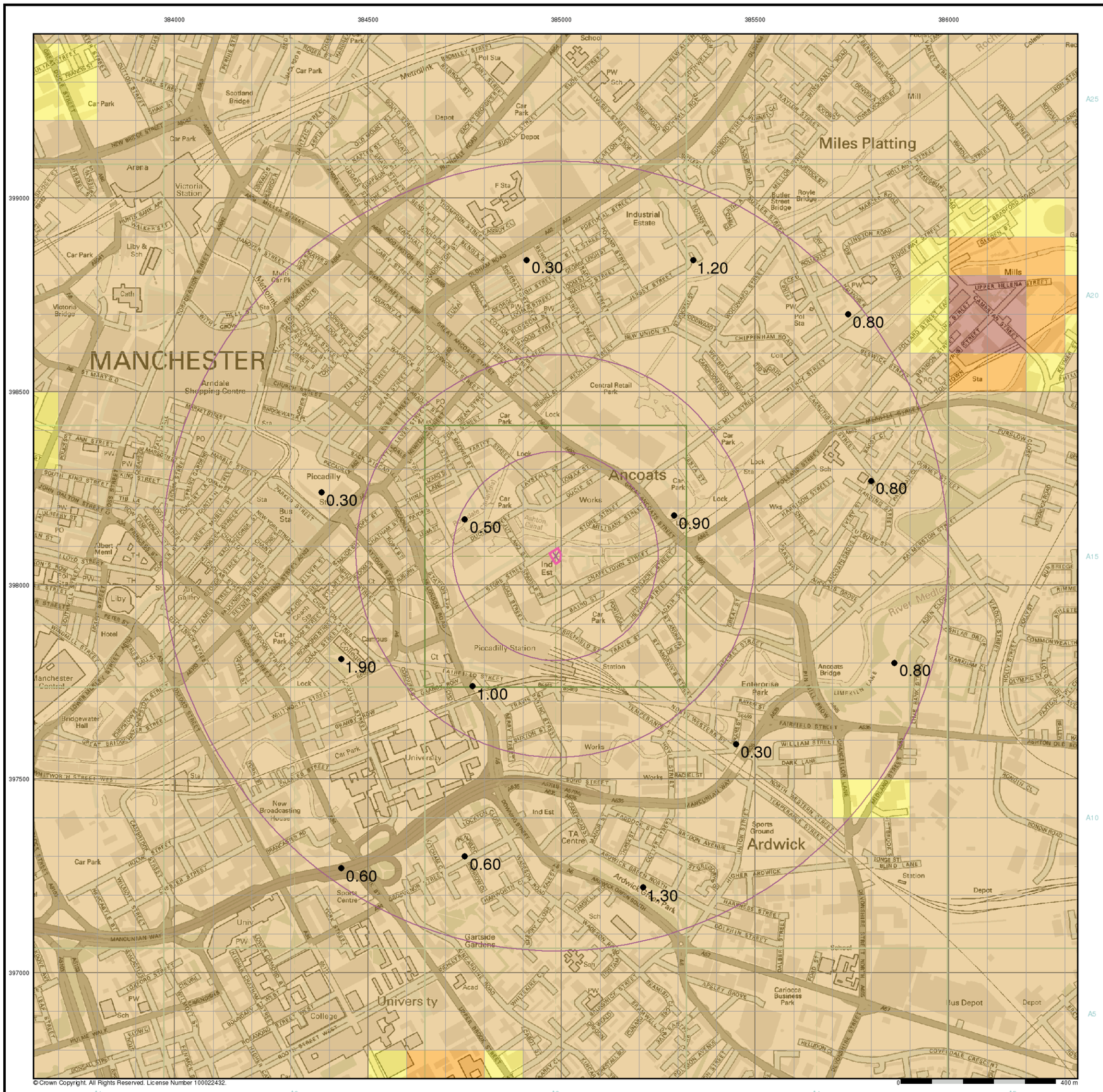
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Customer Ref:	PN143226
National Grid Reference:	384990, 398080
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Specified Site | Specified Buffer(s) | Bearing Reference Point

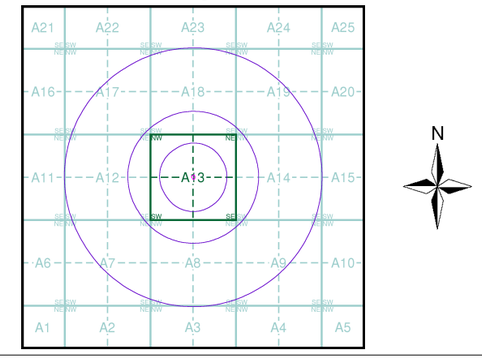
Urban Soil Chemistry Cadmium

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



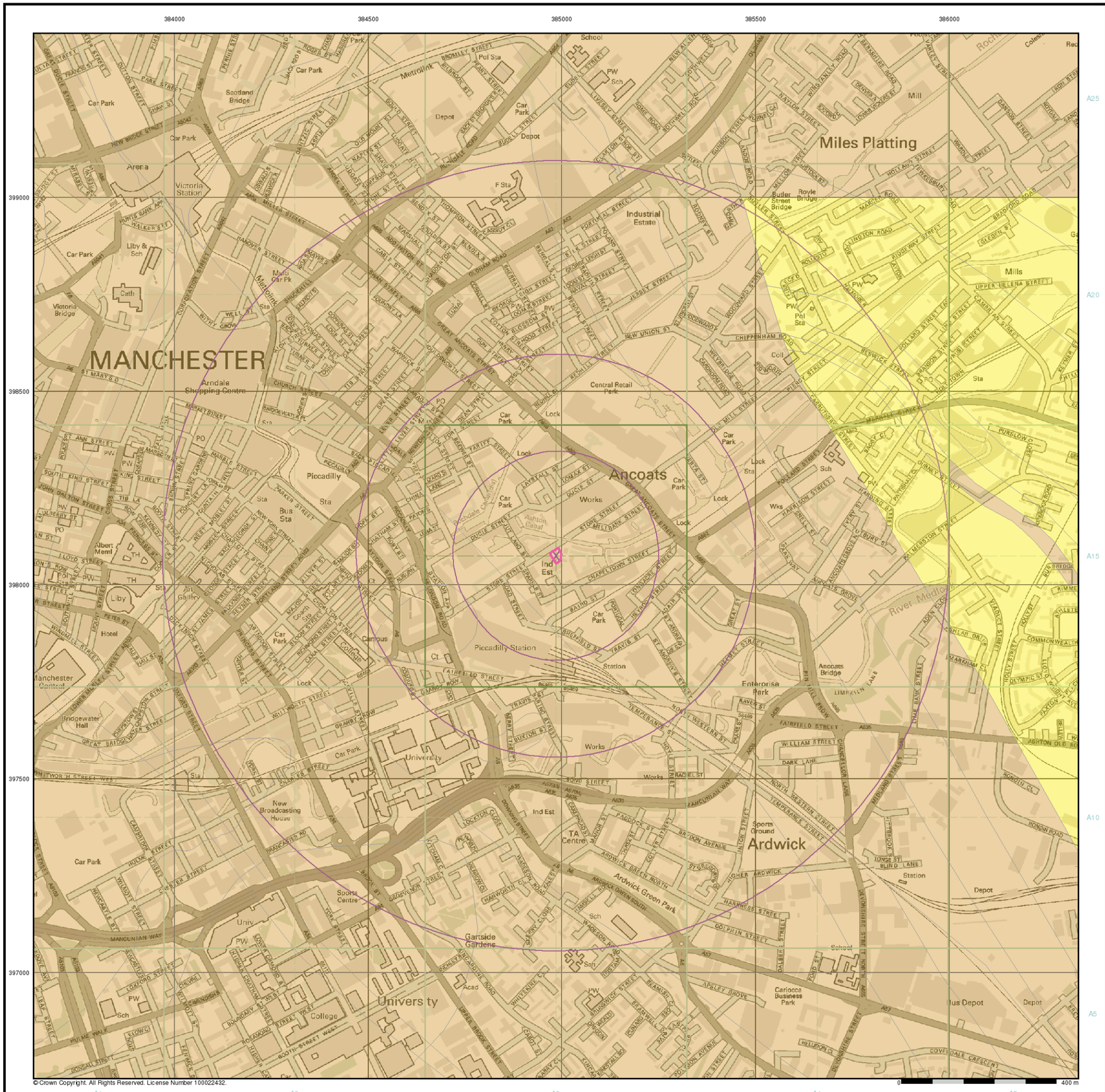
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Search buffer (m):	1000

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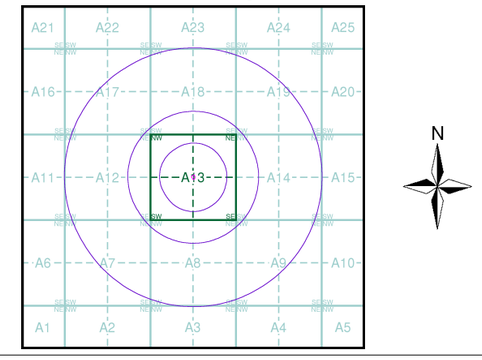
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



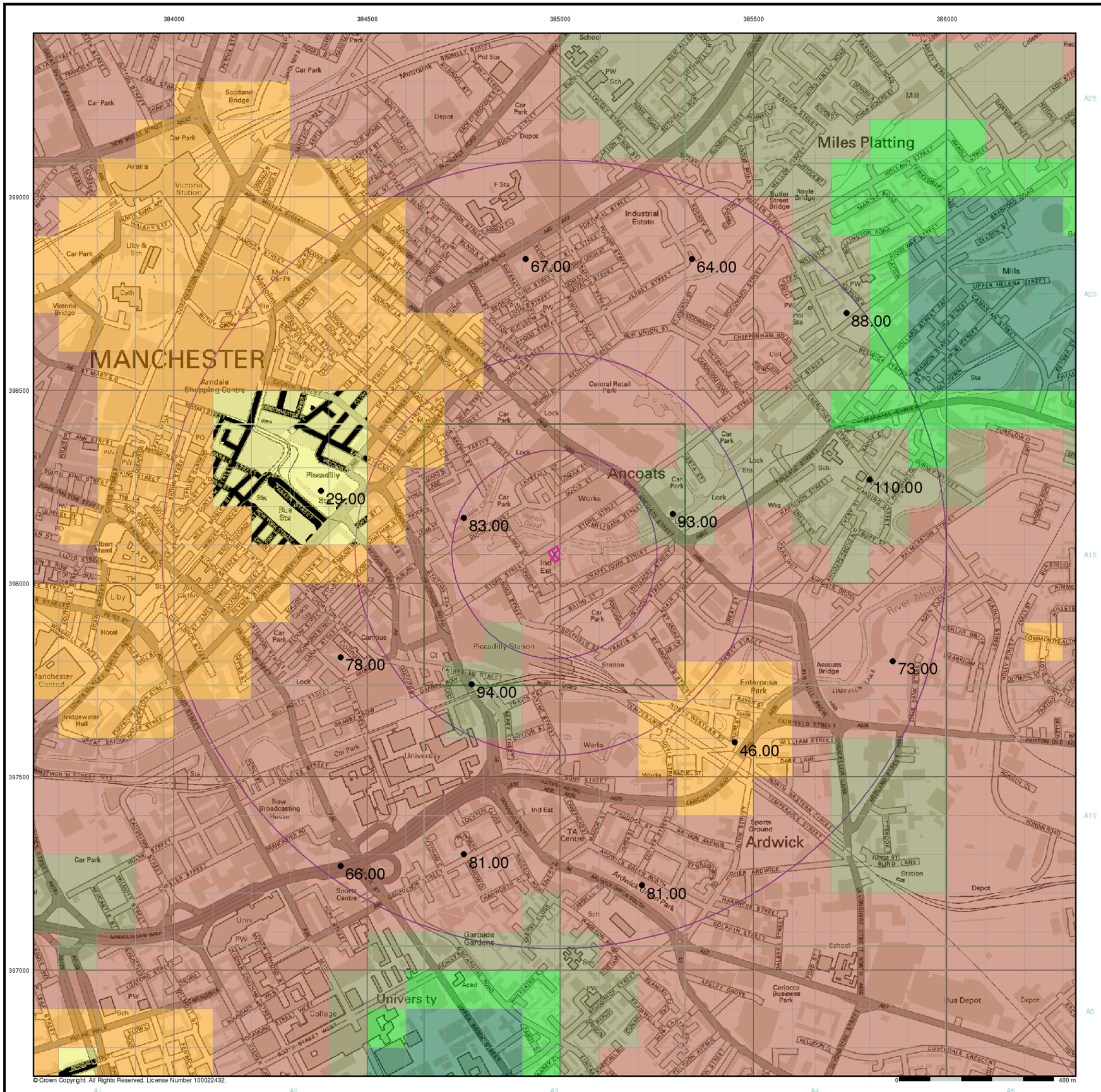
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Specified Site | Specified Buffer(s) | X Bearing Reference Point

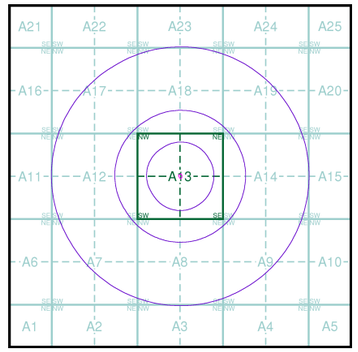
Urban Soil Chemistry Chromium

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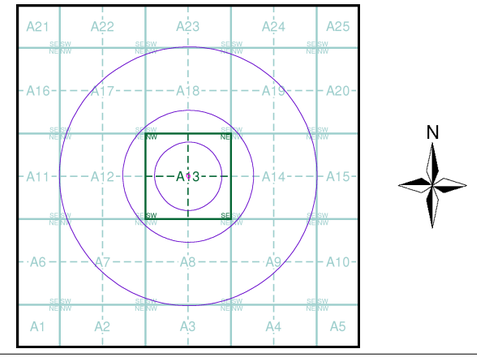
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



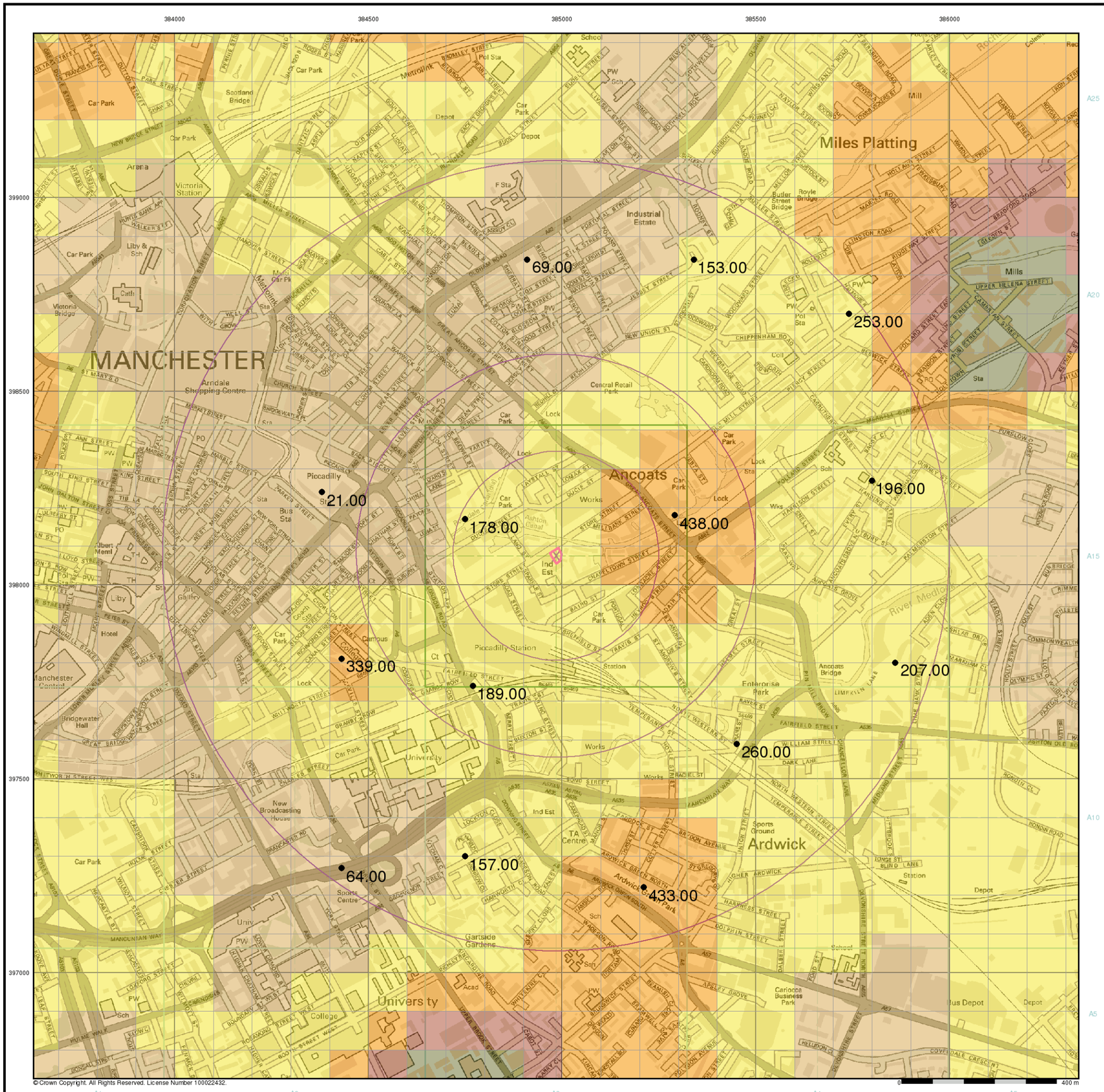
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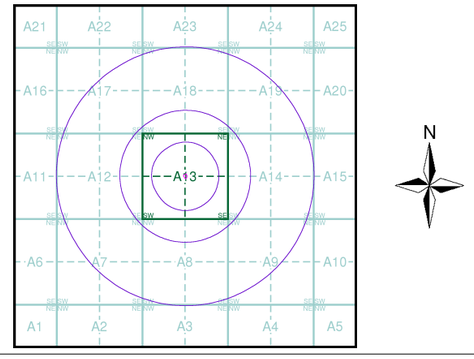
Urban Soil Chemistry Lead

● 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



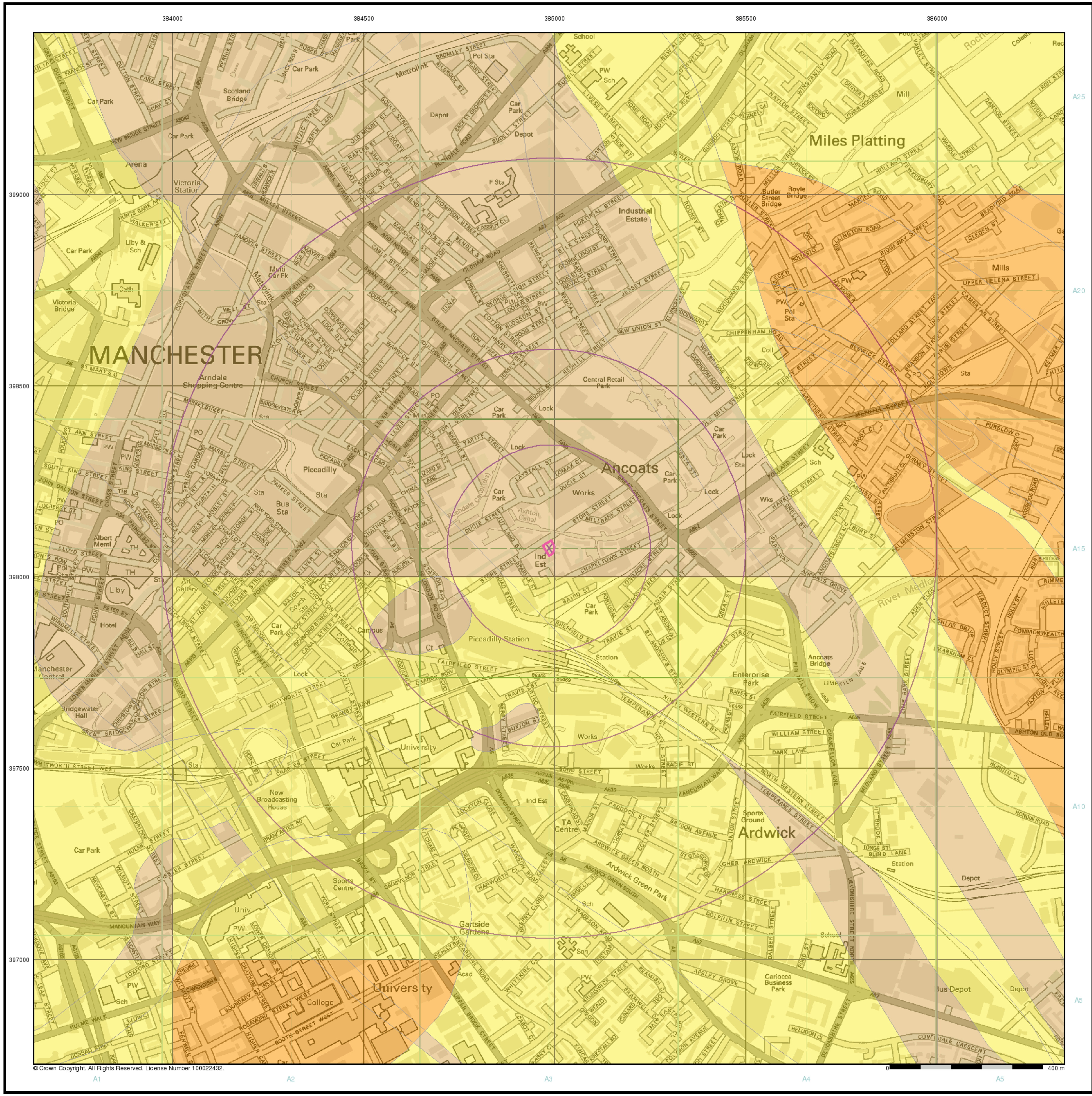
Order Details

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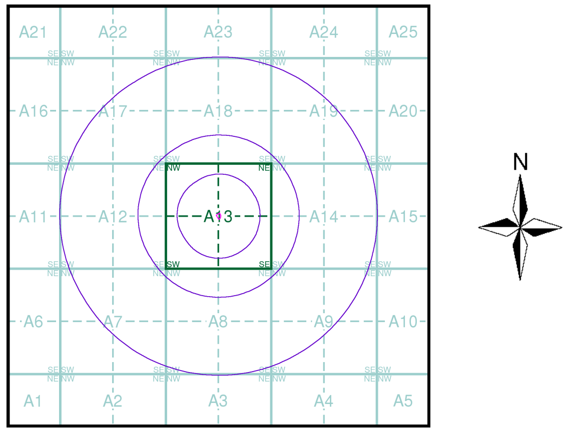
Specified Site　Specified Buffer(s)　X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

▨	< 150
🟨	150 - 300
🟧	300 - 600
🟫	600 - 900
🟩	> 900

Estimated Soil Chemistry Lead - Slice A



Order Details

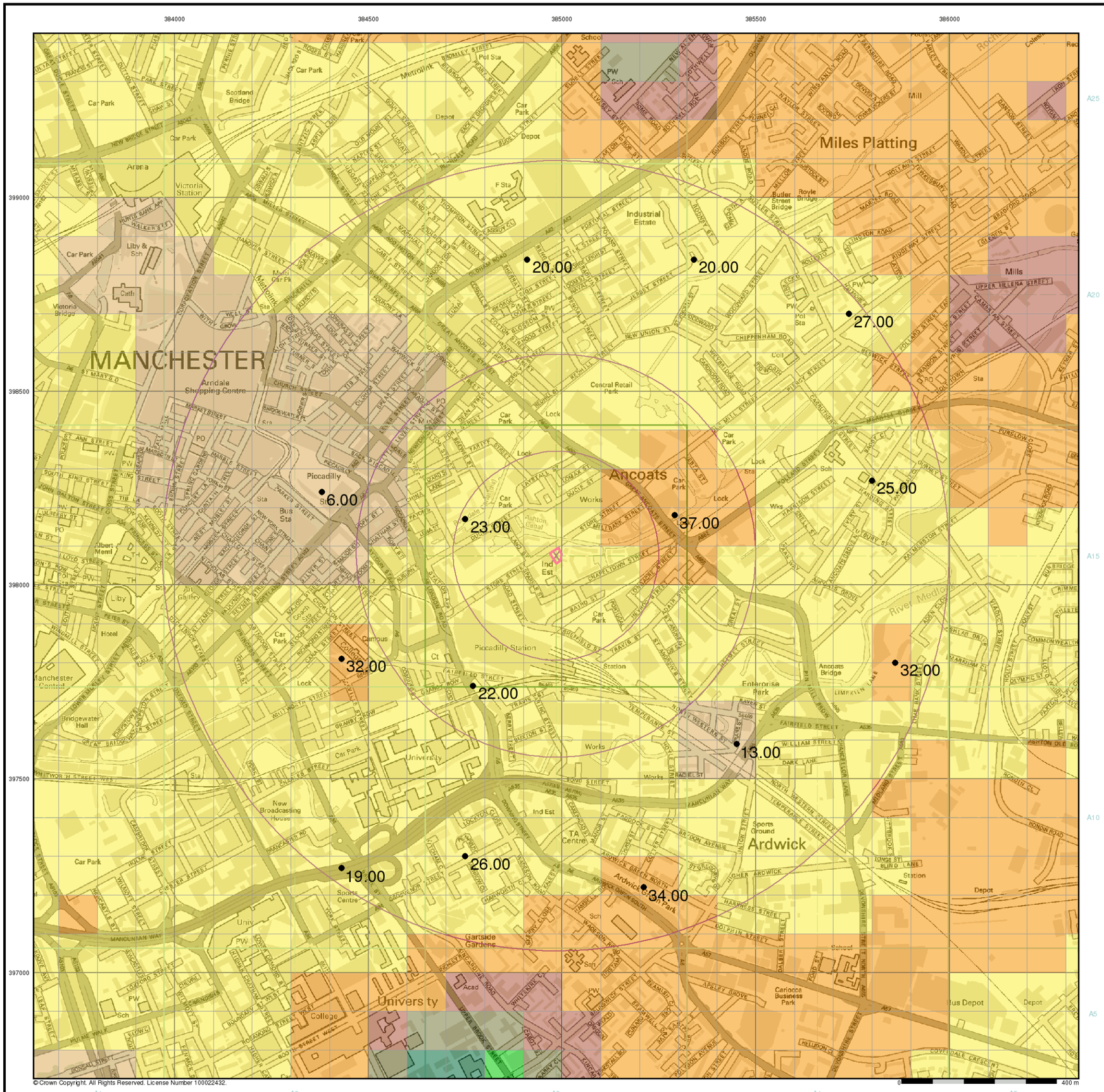
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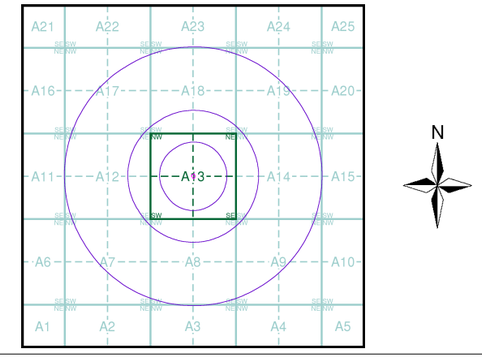
Urban Soil Chemistry Nickel

● 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



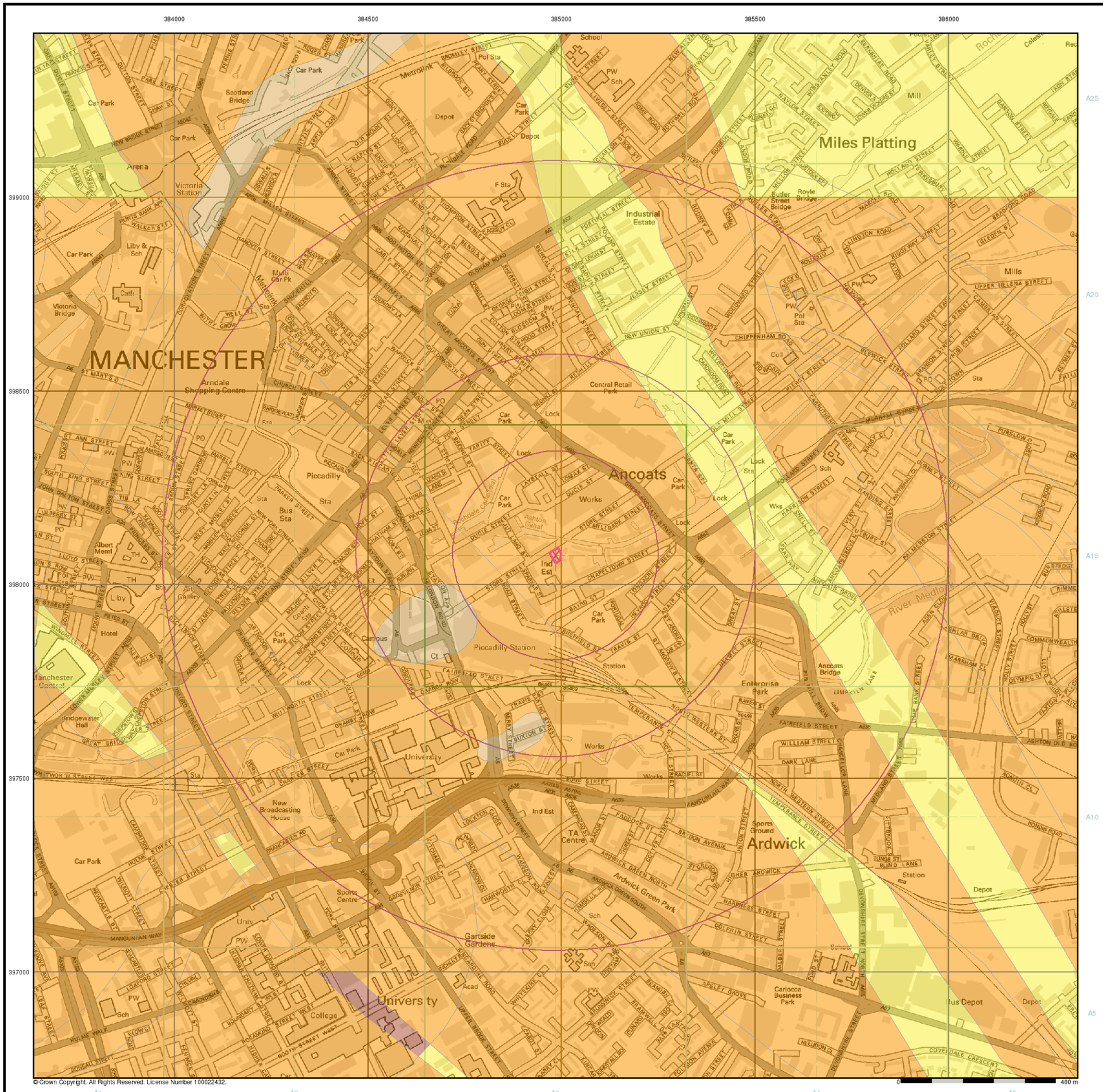
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Customer Ref:	PN143226
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A1 A2 A3 A4 A5

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General

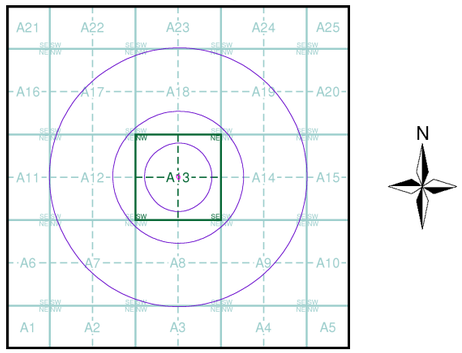
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



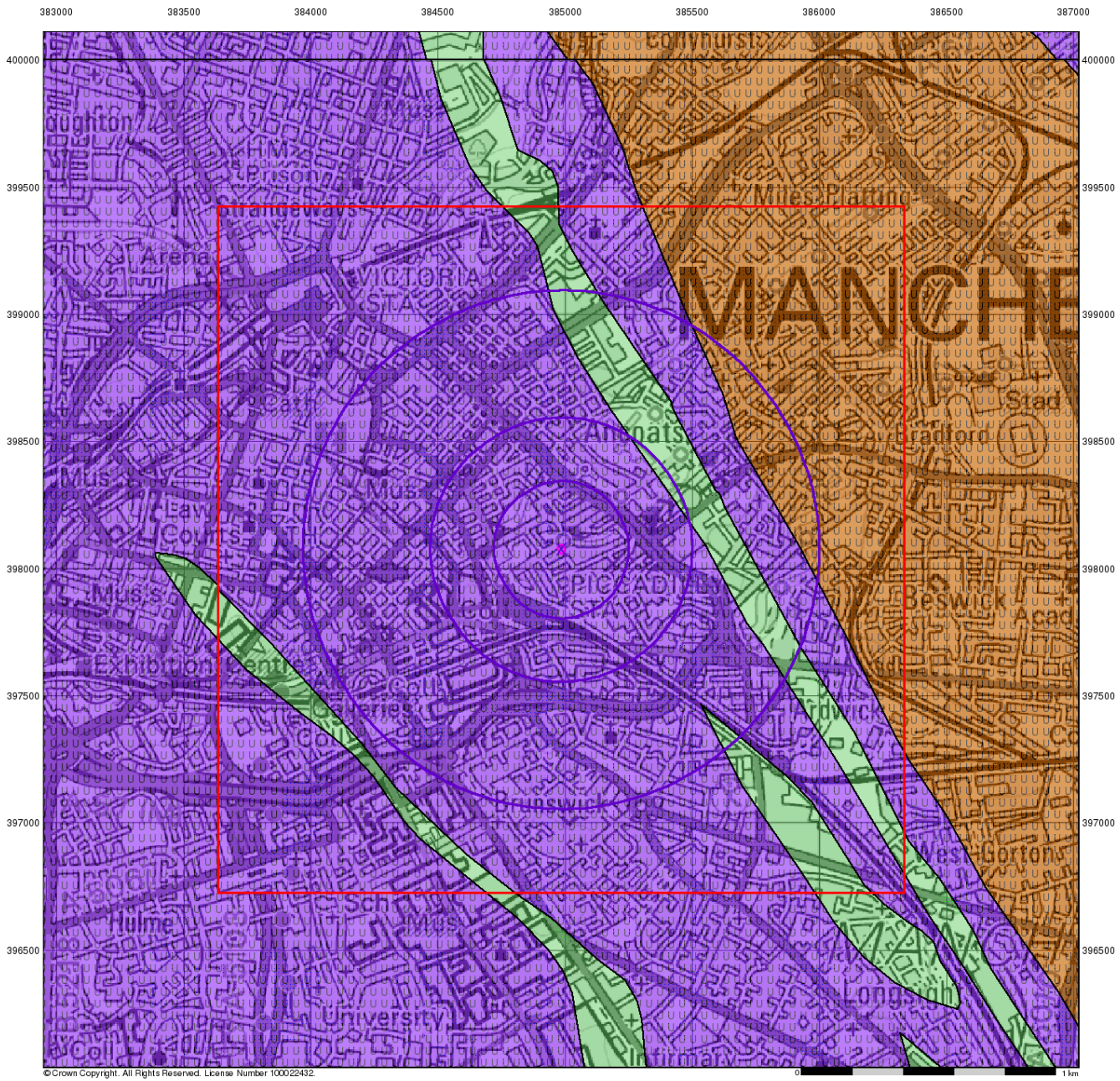
Order Details

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Groundwater Vulnerability

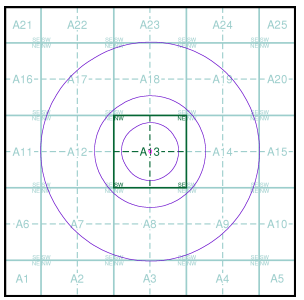
General

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



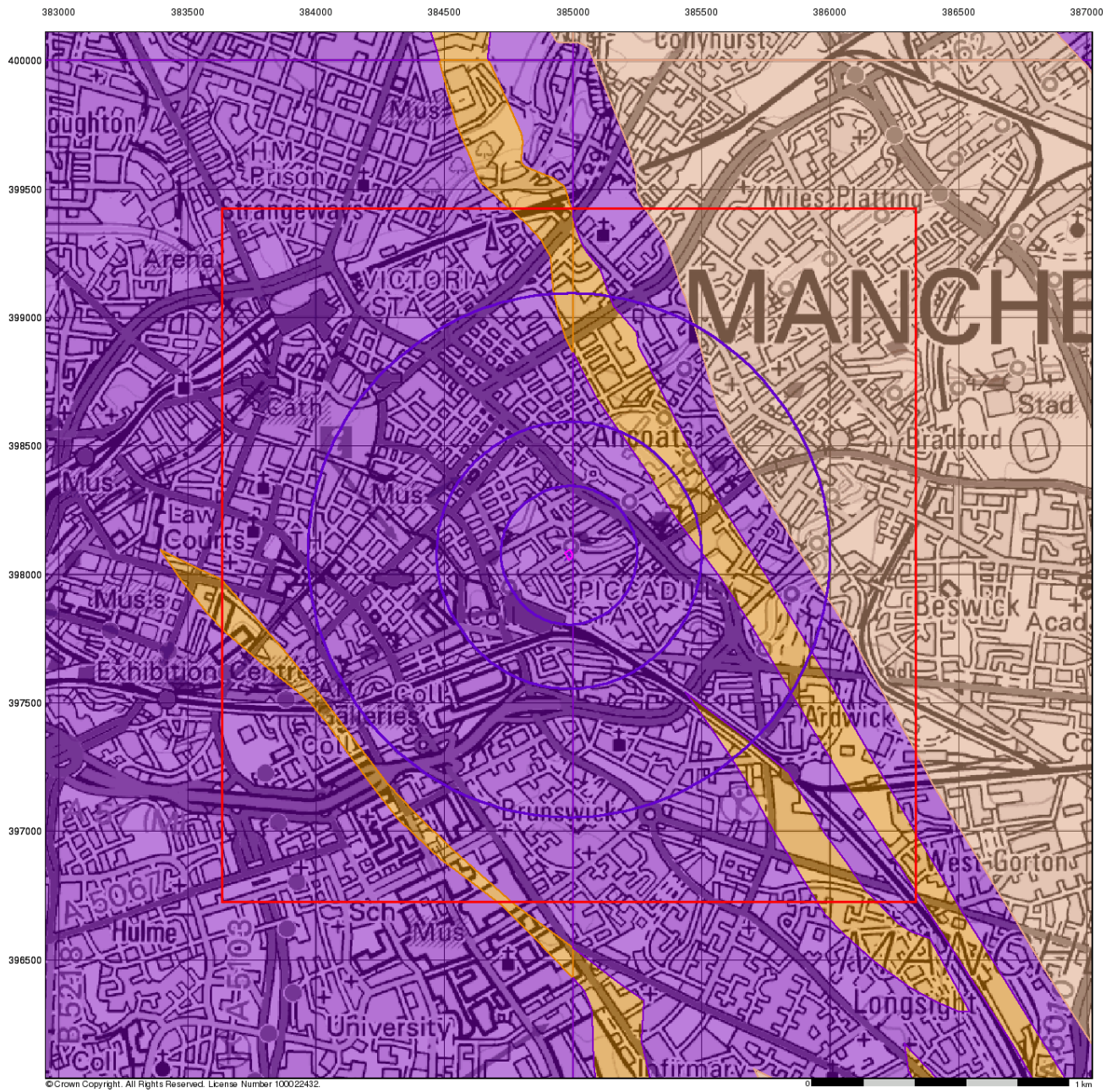
Order Details

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Bedrock Aquifer Designation

General

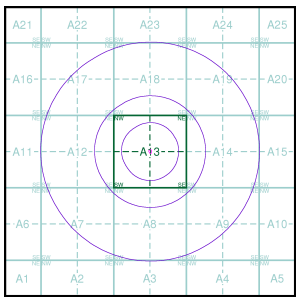
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



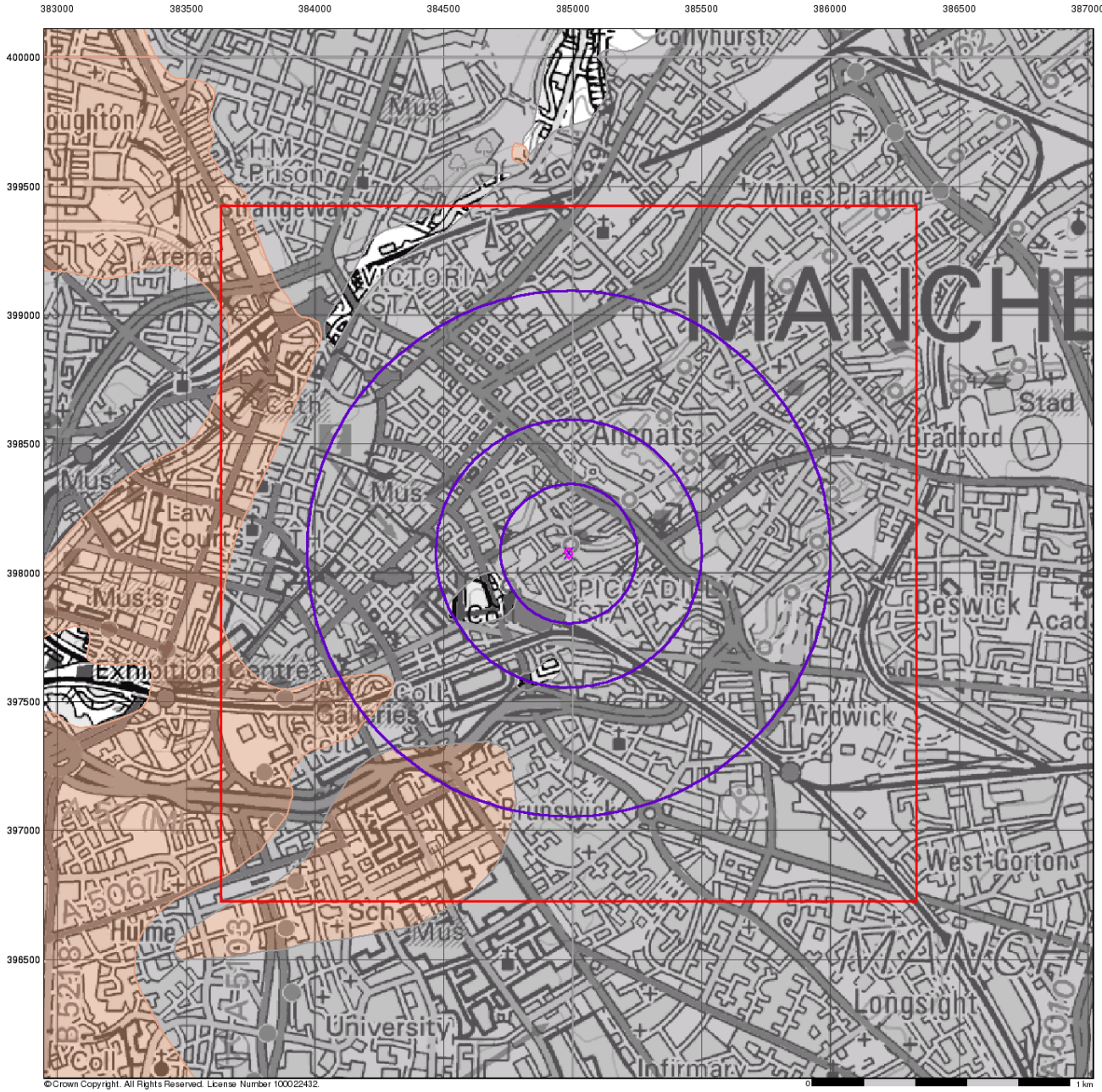
Order Details

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Customer Ref:	PN143226
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Search Buffer (m):	1000

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Superficial Aquifer Designation

General

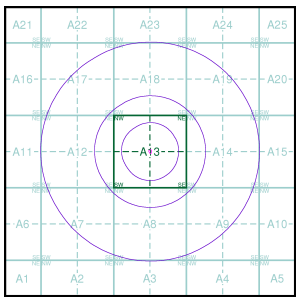
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



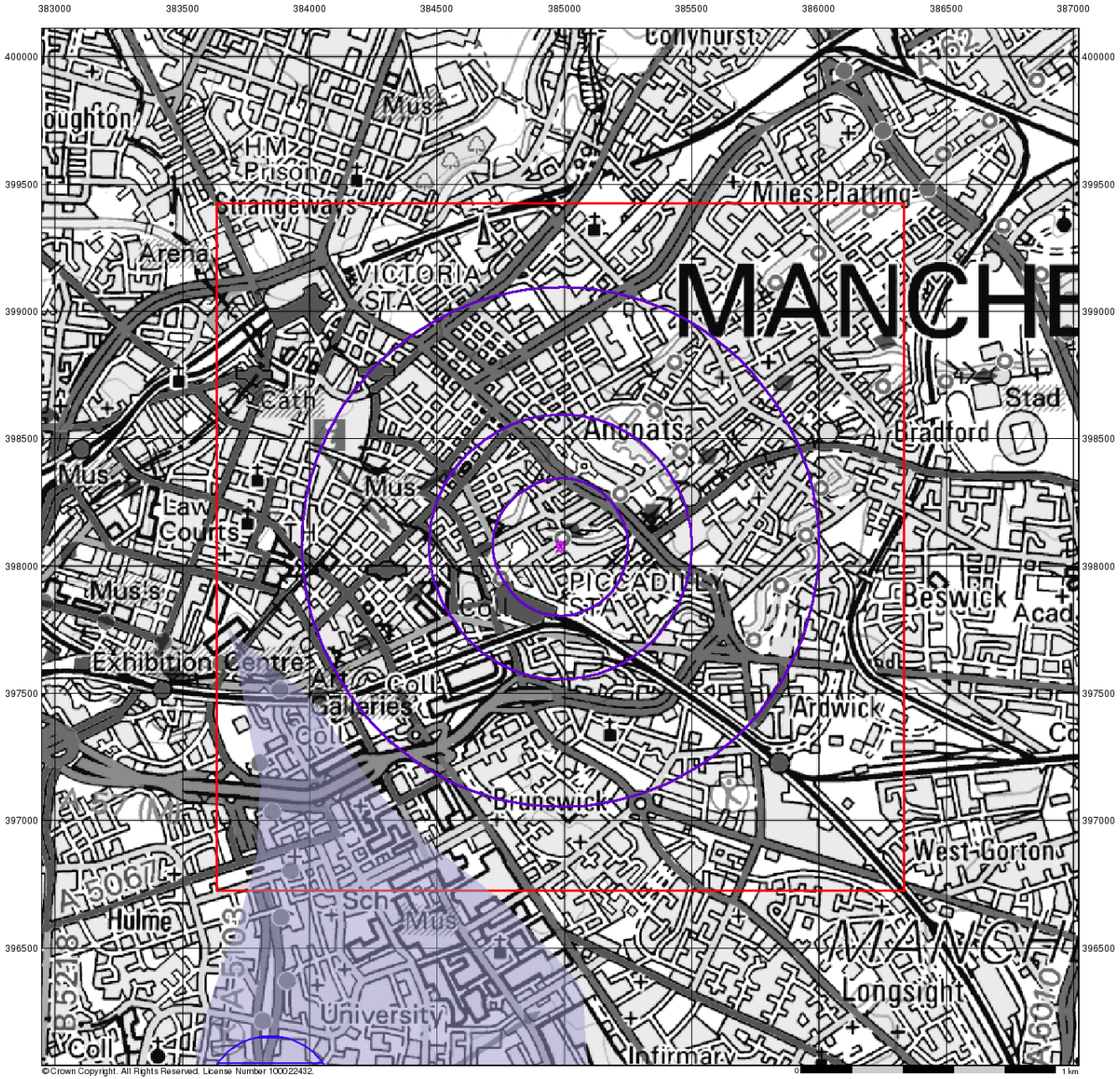
Order Details

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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

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



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Source Protection Zones

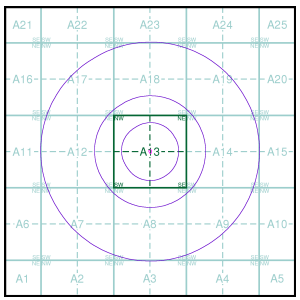
General

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



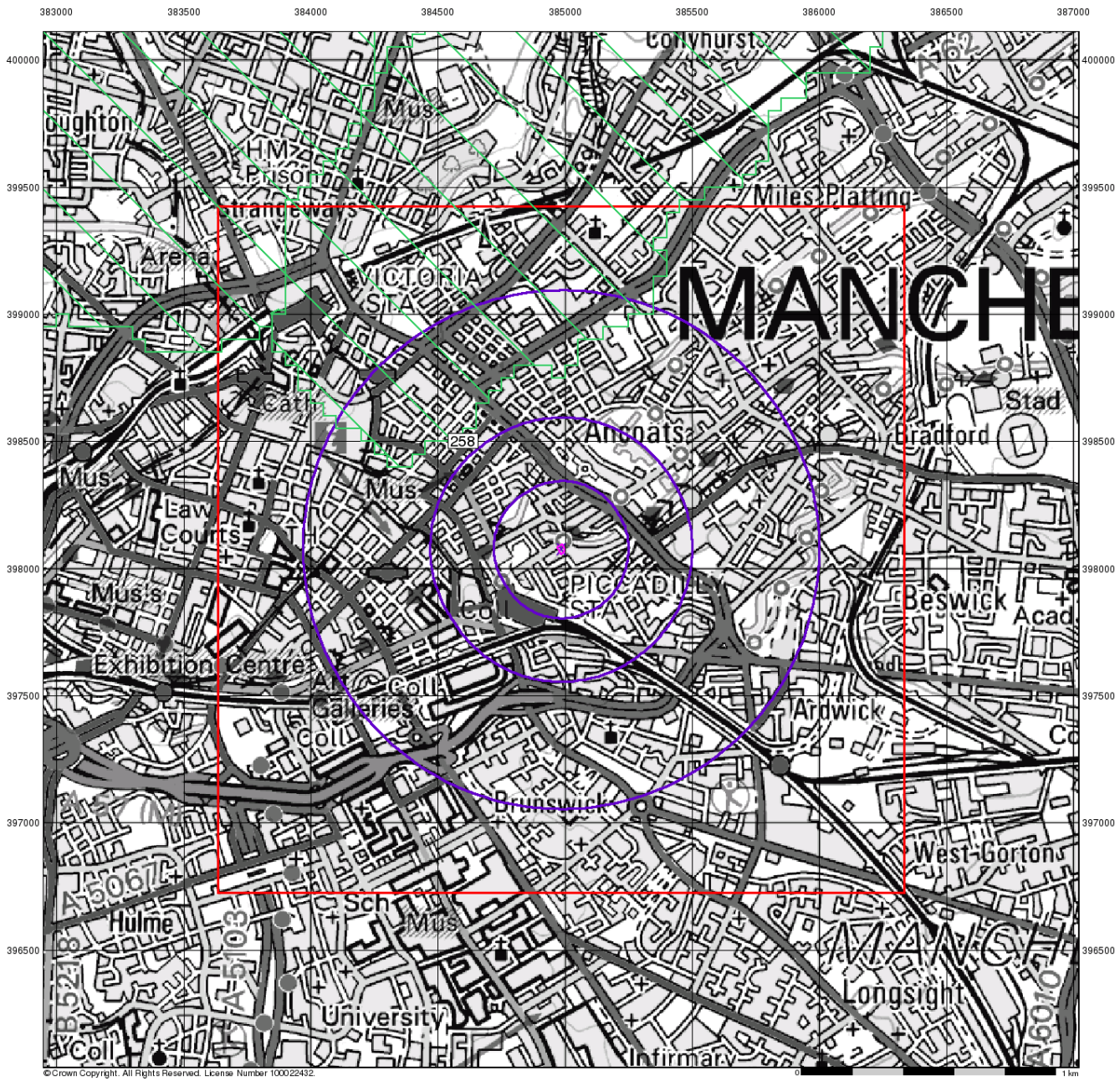
Order Details

Order Number:	59513547_1_1
Customer Ref:	PN143226
National Grid Reference:	384990, 398080
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



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Sensitive Land Uses

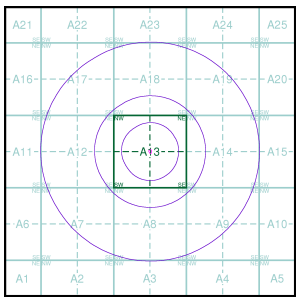
General

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

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

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** BGS Reference: Sj89nw3954 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre 4 Link to Borehole Scan: Not Available	A13SW (W)	32	2	384940 398070
260	**BGS Boreholes** BGS Reference: Sj89nw5 Drilled Length (m): 9.45 Borehole Name: Manchester Corp. Near London Road Station Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042147/	A13SW (W)	40	2	384935 398063
261	**BGS Boreholes** BGS Reference: Sj89ne258 Drilled Length (m): Not Supplied Borehole Name: Piccadilly Village Manchester 101 Link to Borehole Scan: Not Available	A13NE (NE)	101	2	385083 398135
261	**BGS Boreholes** BGS Reference: Sj89ne257 Drilled Length (m): Not Supplied Borehole Name: Piccadilly Village Manchester 100 Link to Borehole Scan: Not Available	A13NE (NE)	110	2	385089 398143
262	**BGS Boreholes** BGS Reference: Sj89nw3953 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre 3 Link to Borehole Scan: Not Available	A13NW (W)	110	2	384860 398090
262	**BGS Boreholes** BGS Reference: Sj89nw3963 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tt 7 Link to Borehole Scan: Not Available	A13NW (W)	120	2	384850 398080
262	**BGS Boreholes** BGS Reference: Sj89nw3961 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tp 5 Link to Borehole Scan: Not Available	A13SW (W)	130	2	384840 398070
262	**BGS Boreholes** BGS Reference: Sj89nw3957 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tp 1 Link to Borehole Scan: Not Available	A13NW (W)	148	2	384830 398130
263	**BGS Boreholes** BGS Reference: Sj89nw3960 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tp 4 Link to Borehole Scan: Not Available	A13SW (W)	136	2	384840 398040
263	**BGS Boreholes** BGS Reference: Sj89nw3967 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tp 11/11a Link to Borehole Scan: Not Available	A13SW (W)	166	2	384820 398010
263	**BGS Boreholes** BGS Reference: Sj89nw3962 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tp 6 Link to Borehole Scan: Not Available	A13SW (SW)	171	2	384820 398000
263	**BGS Boreholes** BGS Reference: Sj89nw3952 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre 2 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** BGS Reference: Sj89nw3968 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tt 12 Link to Borehole Scan: Not Available	A13SW (W)	187	2	384790 398030
264	**BGS Boreholes** BGS Reference: Sj89ne2004 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bha2 Link to Borehole Scan: Not Available	A13SE (SE)	147	2	385110 397970
265	**BGS Boreholes** BGS Reference: Sj89ne1955 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tpa 3 Link to Borehole Scan: Not Available	A13SE (SE)	151	2	385070 397930
266	**BGS Boreholes** BGS Reference: Sj89nw4 Drilled Length (m): 9.45 Borehole Name: Manchester Corp. Near London Road Station Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042146/	A13SW (SW)	154	2	384836 398006
266	**BGS Boreholes** BGS Reference: Sj89nw4079 Drilled Length (m): 9 Borehole Name: Store Street Manchester 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15992210/	A13SW (W)	188	2	384800 398000
267	**BGS Boreholes** BGS Reference: Sj89nw4009 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tpa1 Link to Borehole Scan: Not Available	A13SW (S)	160	2	384950 397900
268	**BGS Boreholes** BGS Reference: Sj89nw3956 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre 6 Link to Borehole Scan: Not Available	A13NW (W)	171	2	384800 398100
268	**BGS Boreholes** BGS Reference: Sj89nw3958 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tp 2 Link to Borehole Scan: Not Available	A13NW (W)	172	2	384800 398110
269	**BGS Boreholes** BGS Reference: Sj89ne2002 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bha1 Link to Borehole Scan: Not Available	A13SE (S)	178	2	385010 397880
269	**BGS Boreholes** BGS Reference: Sj89ne2003 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bha1a Link to Borehole Scan: Not Available	A13SE (S)	178	2	385010 397880
270	**BGS Boreholes** BGS Reference: Sj89ne1956 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tpa 4 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** BGS Reference: Sj89ne2005 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb1 Link to Borehole Scan: Not Available	A13SE (E)	199	2	385190 398020
271	**BGS Boreholes** BGS Reference: Sj89nw353 Drilled Length (m): 15 Borehole Name: Central Retail Park Great Ancoats Street 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042547/	A13NW (NW)	190	2	384850 398230
271	**BGS Boreholes** BGS Reference: Sj89nw354 Drilled Length (m): 15 Borehole Name: Central Retail Park Great Ancoats Street 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042548/	A13NW (NW)	190	2	384850 398230
271	**BGS Boreholes** BGS Reference: Sj89nw355 Drilled Length (m): 15 Borehole Name: Central Retail Park Great Ancoats Street 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042549/	A13NW (NW)	190	2	384850 398230
271	**BGS Boreholes** BGS Reference: Sj89nw356 Drilled Length (m): 15 Borehole Name: Central Retail Park Great Ancoats Street 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042550/	A13NW (NW)	190	2	384850 398230
271	**BGS Boreholes** BGS Reference: Sj89nw358 Drilled Length (m): 15 Borehole Name: Central Retail Park Great Ancoats Street 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042552/	A13NW (NW)	190	2	384850 398230
271	**BGS Boreholes** BGS Reference: Sj89nw359 Drilled Length (m): 15 Borehole Name: Central Retail Park Great Ancoats Street 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042553/	A13NW (NW)	190	2	384850 398230
271	**BGS Boreholes** BGS Reference: Sj89nw360 Drilled Length (m): 15 Borehole Name: Central Retail Park Great Ancoats Street 8 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042554/	A13NW (NW)	190	2	384850 398230
271	**BGS Boreholes** BGS Reference: Sj89nw363 Drilled Length (m): 15 Borehole Name: Central Retail Park Great Ancoats Street 11 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042557/	A13NW (NW)	206	2	384850 398250
271	**BGS Boreholes** BGS Reference: Sj89nw364 Drilled Length (m): 15 Borehole Name: Central Retail Park Great Ancoats Street 12 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042558/	A13NW (NW)	206	2	384850 398250
271	**BGS Boreholes** BGS Reference: Sj89nw365 Drilled Length (m): 15 Borehole Name: Central Retail Park Great Ancoats Street 13 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** BGS Reference: Sj89nw357 Drilled Length (m): 10 Borehole Name: Central Retail Park Great Ancoats Street 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042551/	A13NW (NW)	190	2	384850 398230
272	**BGS Boreholes** BGS Reference: Sj89nw361 Drilled Length (m): 10 Borehole Name: Central Retail Park Great Ancoats Street 9 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042555/	A13NW (NW)	190	2	384850 398230
272	**BGS Boreholes** BGS Reference: Sj89nw362 Drilled Length (m): 10 Borehole Name: Central Retail Park Great Ancoats Street 10 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042556/	A13NW (NW)	206	2	384850 398250
273	**BGS Boreholes** BGS Reference: Sj89ne1954 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tpa2 Link to Borehole Scan: Not Available	A13SE (S)	200	2	385060 397870
274	**BGS Boreholes** BGS Reference: Sj89nw3959 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tt 3 Link to Borehole Scan: Not Available	A13SW (SW)	215	2	384780 397980
274	**BGS Boreholes** BGS Reference: Sj89nw3955 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre 5 Link to Borehole Scan: Not Available	A13SW (SW)	224	2	384770 397980
274	**BGS Boreholes** BGS Reference: Sj89nw3951 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre 1 Link to Borehole Scan: Not Available	A13SW (W)	244	2	384740 398000
274	**BGS Boreholes** BGS Reference: Sj89nw3965 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tp 9 Link to Borehole Scan: Not Available	A13SW (SW)	251	2	384750 397960
274	**BGS Boreholes** BGS Reference: Sj89nw3966 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tt 10 Link to Borehole Scan: Not Available	A13SW (W)	253	2	384730 398000
274	**BGS Boreholes** BGS Reference: Sj89nw3964 Drilled Length (m): Not Supplied Borehole Name: Manchester International Trade Centre Tp 8/8a Link to Borehole Scan: Not Available	A13SW (W)	257	2	384730 397990
275	**BGS Boreholes** BGS Reference: Sj89ne2006 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb2 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** BGS Reference: Sj89ne1957 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B1 Link to Borehole Scan: Not Available	A13SE (E)	234	2	385230 398040
275	**BGS Boreholes** BGS Reference: Sj89ne2007 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb3 Link to Borehole Scan: Not Available	A13SE (E)	242	2	385240 398060
275	**BGS Boreholes** BGS Reference: Sj89ne1958 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B2 Link to Borehole Scan: Not Available	A13SE (E)	242	2	385240 398060
276	**BGS Boreholes** BGS Reference: Sj89ne86 Drilled Length (m): 23.16 Borehole Name: Manchester Corp. Great Ancoats Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936487/	A13NE (NE)	241	2	385100 398309
277	**BGS Boreholes** BGS Reference: Sj89nw4078 Drilled Length (m): 7 Borehole Name: Store Street Manchester 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15992209/	A13SW (W)	257	2	384730 397990
278	**BGS Boreholes** BGS Reference: Sj89nw3992 Drilled Length (m): 6 Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 10 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637501/	A13NW (W)	275	2	384697 398121
279	**BGS Boreholes** BGS Reference: Sj89ne2008 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb4 Link to Borehole Scan: Not Available	A13NE (E)	281	2	385280 398090
279	**BGS Boreholes** BGS Reference: Sj89ne2009 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb4a Link to Borehole Scan: Not Available	A13NE (E)	292	2	385290 398100
279	**BGS Boreholes** BGS Reference: Sj89ne2010 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb5 Link to Borehole Scan: Not Available	A13NE (E)	312	2	385310 398110
279	**BGS Boreholes** BGS Reference: Sj89ne1959 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B3 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** BGS Reference: Sj89ne2011 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb6 Link to Borehole Scan: Not Available	A13NE (E)	327	2	385320 398140
279	**BGS Boreholes** BGS Reference: Sj89ne1960 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B4 Link to Borehole Scan: Not Available	A14NW (E)	338	2	385330 398150
279	**BGS Boreholes** BGS Reference: Sj89ne2012 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb7 Link to Borehole Scan: Not Available	A14NW (E)	360	2	385350 398160
280	**BGS Boreholes** BGS Reference: Sj89ne87 Drilled Length (m): 9.45 Borehole Name: Manchester Corp. Mill Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936488/	A13NE (NE)	288	2	385214 398275
281	**BGS Boreholes** BGS Reference: Sj89ne33 Drilled Length (m): 23.77 Borehole Name: Manchester Corp. St. Andrew'S Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936434/	A13SE (SE)	290	2	385228 397889
282	**BGS Boreholes** BGS Reference: Sj89nw3989 Drilled Length (m): 5.2 Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637498/	A13NW (NW)	308	2	384727 398272
283	**BGS Boreholes** BGS Reference: Sj89ne1888 Drilled Length (m): 2.9 Borehole Name: Ashton Canal Corridor Tp 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629933/	A13NE (E)	309	2	385300 398150
283	**BGS Boreholes** BGS Reference: Sj89ne1889 Drilled Length (m): 2 Borehole Name: Ashton Canal Corridor Tp 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629934/	A13NE (E)	315	2	385310 398130
283	**BGS Boreholes** BGS Reference: Sj89ne1890 Drilled Length (m): 2 Borehole Name: Ashton Canal Corridor Tp 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629935/	A14NW (E)	333	2	385330 398120
283	**BGS Boreholes** BGS Reference: Sj89ne1891 Drilled Length (m): 2.3 Borehole Name: Ashton Canal Corridor Tp 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629936/	A14NW (E)	341	2	385330 398160
283	**BGS Boreholes** BGS Reference: Sj89ne1892 Drilled Length (m): 3.1 Borehole Name: Ashton Canal Corridor Tp 5 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** BGS Reference: Sj89ne588 Drilled Length (m): Not Supplied Borehole Name: Manchester Parcels Office 11 Link to Borehole Scan: Not Available	A13SE (SE)	310	2	385230 397860
285	**BGS Boreholes** BGS Reference: Sj89ne923 Drilled Length (m): 11.43 Borehole Name: Manchester Parcels Office Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937340/	A13SE (SE)	311	2	385190 397820
285	**BGS Boreholes** BGS Reference: Sj89ne579 Drilled Length (m): 11.43 Borehole Name: Manchester Parcels Office 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936996/	A13SE (SE)	317	2	385200 397820
286	**BGS Boreholes** BGS Reference: Sj89ne587 Drilled Length (m): Not Supplied Borehole Name: Manchester Parcels Office 10 Link to Borehole Scan: Not Available	A13SE (SE)	321	2	385180 397800
287	**BGS Boreholes** BGS Reference: Sj89nw3991 Drilled Length (m): 6.5 Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 9 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637500/	A13NW (W)	329	2	384665 398206
288	**BGS Boreholes** BGS Reference: Sj89nw868 Drilled Length (m): Not Supplied Borehole Name: National Express Coach Station Tp 5 Link to Borehole Scan: Not Available	A8NW (S)	331	2	384930 397730
288	**BGS Boreholes** BGS Reference: Sj89nw867 Drilled Length (m): Not Supplied Borehole Name: National Express Coach Station Tp 4 Link to Borehole Scan: Not Available	A8NW (S)	344	2	384910 397720
288	**BGS Boreholes** BGS Reference: Sj89nw872 Drilled Length (m): Not Supplied Borehole Name: National Express Coach Station 4 Link to Borehole Scan: Not Available	A8NW (S)	344	2	384910 397720
289	**BGS Boreholes** BGS Reference: Sj89nw2 Drilled Length (m): 8.84 Borehole Name: Manchester Corp. Near London Road Station Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042144/	A13SW (SW)	333	2	384688 397904
290	**BGS Boreholes** BGS Reference: Sj89nw866 Drilled Length (m): Not Supplied Borehole Name: National Express Coach Station Tp 3 Link to Borehole Scan: Not Available	A8NW (S)	346	2	384870 397730
290	**BGS Boreholes** BGS Reference: Sj89nw865 Drilled Length (m): Not Supplied Borehole Name: National Express Coach Station Tp 2 Link to Borehole Scan: Not Available	A8NW (S)	377	2	384860 397700
291	**BGS Boreholes** BGS Reference: Sj89nw1465 Drilled Length (m): Not Supplied Borehole Name: Great Ancoats Street 5 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** BGS Reference: Sj89nw4093 Drilled Length (m): Not Supplied Borehole Name: Ancoats Pr2 Greater Manchester 1 Link to Borehole Scan: Not Available	A18SW (N)	359	2	384940 398450
292	**BGS Boreholes** BGS Reference: Sj89ne586 Drilled Length (m): Not Supplied Borehole Name: Manchester Parcels Office 9 Link to Borehole Scan: Not Available	A13SE (SE)	351	2	385190 397770
292	**BGS Boreholes** BGS Reference: Sj89ne585 Drilled Length (m): Not Supplied Borehole Name: Manchester Parcels Office 8 Link to Borehole Scan: Not Available	A13SE (SE)	385	2	385220 397750
293	**BGS Boreholes** BGS Reference: Sj89nw3 Drilled Length (m): 10.06 Borehole Name: Manchester Corp. Near London Road Station Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042145/	A13SW (SW)	352	2	384652 397930
294	**BGS Boreholes** BGS Reference: Sj89ne34 Drilled Length (m): 21.34 Borehole Name: Manchester Corp. Great Ancoats Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936435/	A14SW (E)	354	2	385349 398027
295	**BGS Boreholes** BGS Reference: Sj89ne580 Drilled Length (m): 9.14 Borehole Name: Manchester Parcels Office 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936997/	A13SE (SE)	359	2	385260 397820
295	**BGS Boreholes** BGS Reference: Sj89ne924 Drilled Length (m): 9.14 Borehole Name: Manchester Parcels Office Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937341/	A13SE (SE)	359	2	385250 397810
295	**BGS Boreholes** BGS Reference: Sj89ne927 Drilled Length (m): 6.4 Borehole Name: Manchester Parcels Office Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937344/	A13SE (SE)	382	2	385290 397820
296	**BGS Boreholes** BGS Reference: Sj89nw3280 Drilled Length (m): Not Supplied Borehole Name: Fairfield Street Manchester Ob Link to Borehole Scan: Not Available	A8NW (S)	362	2	384880 397710
297	**BGS Boreholes** BGS Reference: Sj89ne1894 Drilled Length (m): 1.7 Borehole Name: Ashton Canal Corridor Tp 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629939/	A14NW (E)	362	2	385350 398170
297	**BGS Boreholes** BGS Reference: Sj89ne1893 Drilled Length (m): 2.3 Borehole Name: Ashton Canal Corridor Tp 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629938/	A14NW (E)	364	2	385360 398130
297	**BGS Boreholes** BGS Reference: Sj89ne1895 Drilled Length (m): 2 Borehole Name: Ashton Canal Corridor Tp 8 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** BGS Reference: Sj89ne1896 Drilled Length (m): 1.7 Borehole Name: Ashton Canal Corridor Tp 9 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629941/	A14NW (E)	386	2	385380 398140
297	**BGS Boreholes** BGS Reference: Sj89ne1898 Drilled Length (m): 2.2 Borehole Name: Ashton Canal Corridor Tp 11 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629943/	A14NW (E)	391	2	385380 398170
297	**BGS Boreholes** BGS Reference: Sj89ne1900 Drilled Length (m): 1.75 Borehole Name: Ashton Canal Corridor Tp 13 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629945/	A14NW (E)	391	2	385380 398170
297	**BGS Boreholes** BGS Reference: Sj89ne1899 Drilled Length (m): 2.1 Borehole Name: Ashton Canal Corridor Tp 12 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629944/	A14NW (E)	397	2	385390 398150
298	**BGS Boreholes** BGS Reference: Sj89ne1961 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B5 Link to Borehole Scan: Not Available	A14NW (E)	362	2	385350 398170
298	**BGS Boreholes** BGS Reference: Sj89ne1962 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B6 Link to Borehole Scan: Not Available	A14NW (E)	375	2	385360 398180
298	**BGS Boreholes** BGS Reference: Sj89ne2013 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb8 Link to Borehole Scan: Not Available	A14NW (E)	397	2	385380 398190
299	**BGS Boreholes** BGS Reference: Sj89nw869 Drilled Length (m): Not Supplied Borehole Name: National Express Coach Station 1 Link to Borehole Scan: Not Available	A13SW (SW)	369	2	384780 397750
299	**BGS Boreholes** BGS Reference: Sj89nw871 Drilled Length (m): Not Supplied Borehole Name: National Express Coach Station 3 Link to Borehole Scan: Not Available	A8NW (S)	381	2	384850 397700
299	**BGS Boreholes** BGS Reference: Sj89nw864 Drilled Length (m): Not Supplied Borehole Name: National Express Coach Station Tp 1 Link to Borehole Scan: Not Available	A8NW (SW)	388	2	384810 397710
299	**BGS Boreholes** BGS Reference: Sj89nw870 Drilled Length (m): Not Supplied Borehole Name: National Express Coach Station 2 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** BGS Reference: Sj89nw3988 Drilled Length (m): 5.5 Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637496/	A13NW (NW)	369	2	384698 398331
300	**BGS Boreholes** BGS Reference: Sj89nw3542 Drilled Length (m): 4.57 Borehole Name: Hilton Street Manchester 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045736/	A13NW (NW)	388	2	384680 398340
300	**BGS Boreholes** BGS Reference: Sj89nw3541 Drilled Length (m): 4.57 Borehole Name: Hilton Street Manchester 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045735/	A13NW (NW)	389	2	384670 398330
300	**BGS Boreholes** BGS Reference: Sj89nw3543 Drilled Length (m): 1.52 Borehole Name: Hilton Street Manchester 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045737/	A13NW (NW)	389	2	384670 398330
301	**BGS Boreholes** BGS Reference: Sj89nw31 Drilled Length (m): 28.65 Borehole Name: Manchester Corp. Rochdale Road Sewer Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042173/	A18SW (N)	378	2	384889 398459
302	**BGS Boreholes** BGS Reference: Sj89nw1154 Drilled Length (m): Not Supplied Borehole Name: London Road Fire Station Manchester 1 Link to Borehole Scan: Not Available	A13SW (SW)	384	2	384700 397800
302	**BGS Boreholes** BGS Reference: Sj89nw1156 Drilled Length (m): Not Supplied Borehole Name: London Road Fire Station Manchester 3 Link to Borehole Scan: Not Available	A13SW (SW)	388	2	384670 397830
303	**BGS Boreholes** BGS Reference: Sj89ne814 Drilled Length (m): 5 Borehole Name: Wharf Street 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937231/	A13NE (NE)	386	2	385250 398380
303	**BGS Boreholes** BGS Reference: Sj89ne815 Drilled Length (m): 5 Borehole Name: Wharf Street 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937232/	A13NE (NE)	386	2	385270 398360
304	**BGS Boreholes** BGS Reference: Sj89ne1897 Drilled Length (m): 2.1 Borehole Name: Ashton Canal Corridor Tp 10 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629942/	A14NW (E)	387	2	385370 398190
304	**BGS Boreholes** BGS Reference: Sj89ne1901 Drilled Length (m): 2 Borehole Name: Ashton Canal Corridor Tp 14 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629946/	A14NW (E)	404	2	385390 398180
304	**BGS Boreholes** BGS Reference: Sj89ne1904 Drilled Length (m): 2.6 Borehole Name: Ashton Canal Corridor Tp 17 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** BGS Reference: Sj89ne1902 Drilled Length (m): 3.1 Borehole Name: Ashton Canal Corridor Tp 15 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629947/	A14NW (E)	428	2	385410 398200
305	**BGS Boreholes** BGS Reference: Sj89nw3990 Drilled Length (m): .6 Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 8 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637499/	A12NE (NW)	388	2	384631 398272
306	**BGS Boreholes** BGS Reference: Sj89ne922 Drilled Length (m): 7.32 Borehole Name: Manchester Parcels Office Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937339/	A13SE (SE)	389	2	385240 397760
306	**BGS Boreholes** BGS Reference: Sj89ne578 Drilled Length (m): 7.32 Borehole Name: Manchester Parcels Office 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936995/	A13SE (SE)	397	2	385240 397750
307	**BGS Boreholes** BGS Reference: Sj89ne2365 Drilled Length (m): .91 Borehole Name: St Judes School Ancoats Manchester Tp25 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722648/	A18SE (N)	394	2	385110 398470
307	**BGS Boreholes** BGS Reference: Sj89ne2366 Drilled Length (m): 1 Borehole Name: St Judes School Ancoats Manchester Tp25a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722650/	A18SE (N)	394	2	385110 398470
307	**BGS Boreholes** BGS Reference: Sj89ne2371 Drilled Length (m): 4 Borehole Name: St Judes School Ancoats Manchester Tp28 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722658/	A18SE (N)	408	2	385090 398490
307	**BGS Boreholes** BGS Reference: Sj89ne2367 Drilled Length (m): 3.1 Borehole Name: St Judes School Ancoats Manchester Tp26 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722651/	A18SE (N)	423	2	385140 398490
307	**BGS Boreholes** BGS Reference: Sj89ne2368 Drilled Length (m): 2.67 Borehole Name: St Judes School Ancoats Manchester Tp26a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722654/	A18SE (N)	423	2	385140 398490
307	**BGS Boreholes** BGS Reference: Sj89ne2373 Drilled Length (m): 2.24 Borehole Name: St Judes School Ancoats Manchester Tp30 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722660/	A18SE (N)	425	2	385080 398510
307	**BGS Boreholes** BGS Reference: Sj89ne2372 Drilled Length (m): 3 Borehole Name: St Judes School Ancoats Manchester Tp29 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722659/	A18SE (N)	426	2	385120 398500
308	**BGS Boreholes** BGS Reference: Sj89ne699 Drilled Length (m): 21.33 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 8 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** BGS Reference: Sj89nw3986 Drilled Length (m): 5.3 Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637494/	A18SW (NW)	398	2	384774 398429
310	**BGS Boreholes** BGS Reference: Sj89nw3985 Drilled Length (m): 6.5 Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637493/	A13NW (NW)	407	2	384692 398379
310	**BGS Boreholes** BGS Reference: Sj89nw3780 Drilled Length (m): 6.3 Borehole Name: Dale Street/Stevenson Square/Newton Street 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468812/	A13NW (NW)	430	2	384660 398380
311	**BGS Boreholes** BGS Reference: Sj89ne698 Drilled Length (m): 34.15 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 7/7a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937115/	A14NW (NE)	408	2	385330 398320
312	**BGS Boreholes** BGS Reference: Sj89nw3535 Drilled Length (m): Not Supplied Borehole Name: Aytoun Street Manchester Bh1 Link to Borehole Scan: Not Available	A12SE (W)	408	2	384570 398000
313	**BGS Boreholes** BGS Reference: Sj89nw3987 Drilled Length (m): 4.2 Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637495/	A18SW (N)	408	2	384850 398478
314	**BGS Boreholes** BGS Reference: Sj89nw314 Drilled Length (m): 10.97 Borehole Name: Aytoun Street Multi-Storey Car Park. 1-4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042480/	A12SE (SW)	409	2	384605 397897
315	**BGS Boreholes** BGS Reference: Sj89nw1155 Drilled Length (m): Not Supplied Borehole Name: London Road Fire Station Manchester 2 Link to Borehole Scan: Not Available	A13SW (SW)	411	2	384650 397820
316	**BGS Boreholes** BGS Reference: Sj89ne583 Drilled Length (m): 6.4 Borehole Name: Manchester Parcels Office 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937000/	A14SW (SE)	413	2	385330 397820
316	**BGS Boreholes** BGS Reference: Sj89ne926 Drilled Length (m): 5.79 Borehole Name: Manchester Parcels Office Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937343/	A14SW (SE)	436	2	385350 397810
317	**BGS Boreholes** BGS Reference: Sj89nw1 Drilled Length (m): 9.14 Borehole Name: Manchester Corp. Near London Road Station 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** BGS Reference: Sj89ne1963 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B7 Link to Borehole Scan: Not Available	A14NW (E)	422	2	385400 398210
318	**BGS Boreholes** BGS Reference: Sj89ne2014 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb9 Link to Borehole Scan: Not Available	A14NW (E)	434	2	385410 398220
318	**BGS Boreholes** BGS Reference: Sj89ne1964 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B8 Link to Borehole Scan: Not Available	A14NW (E)	447	2	385420 398230
319	**BGS Boreholes** BGS Reference: Sj89ne697 Drilled Length (m): 8.2 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937114/	A14NW (E)	423	2	385390 398240
319	**BGS Boreholes** BGS Reference: Sj89ne2360 Drilled Length (m): 3 Borehole Name: Ancoats Hospital Site Ancoats Manchester Tp1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722632/	A14NW (NE)	435	2	385390 398270
319	**BGS Boreholes** BGS Reference: Sj89ne2361 Drilled Length (m): 3 Borehole Name: Ancoats Hospital Site Ancoats Manchester Tp2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722635/	A14NW (NE)	435	2	385380 398290
319	**BGS Boreholes** BGS Reference: Sj89ne2362 Drilled Length (m): 4 Borehole Name: Ancoats Hospital Site Ancoats Manchester Tp3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722636/	A14NW (NE)	448	2	385400 398280
319	**BGS Boreholes** BGS Reference: Sj89ne696 Drilled Length (m): 8.1 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937113/	A14NW (NE)	453	2	385410 398270
320	**BGS Boreholes** BGS Reference: Sj89nw15 Drilled Length (m): 7.62 Borehole Name: Manchester Corp. L Sewer Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042157/	A8NW (S)	424	2	384953 397633
321	**BGS Boreholes** BGS Reference: Sj89ne105 Drilled Length (m): 137.77 Borehole Name: Manchester Corp. Hydraulic Power Supply Station Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936507/	A18SE (NE)	429	2	385168 398485
322	**BGS Boreholes** BGS Reference: Sj89nw18 Drilled Length (m): 10.06 Borehole Name: Manchester Corp. Corner Of Travis Street 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** BGS Reference: Sj89nw1464 Drilled Length (m): Not Supplied Borehole Name: Great Ancoats Street 4 Link to Borehole Scan: Not Available	A18SW (N)	430	2	384880 398510
323	**BGS Boreholes** BGS Reference: Sj89nw3504 Drilled Length (m): Not Supplied Borehole Name: Houldsworth Street/Little Ancoats Street 2 Link to Borehole Scan: Not Available	A18SW (N)	432	2	384870 398510
324	**BGS Boreholes** BGS Reference: Sj89nw3536 Drilled Length (m): Not Supplied Borehole Name: Aytoun Street Manchester Bh2 Link to Borehole Scan: Not Available	A12SE (W)	430	2	384550 397990
324	**BGS Boreholes** BGS Reference: Sj89nw3537 Drilled Length (m): Not Supplied Borehole Name: Aytoun Street Manchester Bh3 Link to Borehole Scan: Not Available	A12SE (W)	442	2	384540 397980
324	**BGS Boreholes** BGS Reference: Sj89nw3508 Drilled Length (m): Not Supplied Borehole Name: Minshull Street Main Drainage Link to Borehole Scan: Not Available	A12SE (W)	443	2	384550 397940
325	**BGS Boreholes** BGS Reference: Sj89nw3984 Drilled Length (m): 7.2 Borehole Name: Port Street Hilton Street Dale Street Stage Ii Sewer Replacement Scheme 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15637492/	A12NE (NW)	430	2	384615 398326
326	**BGS Boreholes** BGS Reference: Sj89nw1340 Drilled Length (m): 29 Borehole Name: City Centre - Phase 2 36 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043534/	A12NE (NW)	431	2	384610 398320
327	**BGS Boreholes** BGS Reference: Sj89nw30 Drilled Length (m): 28.04 Borehole Name: Manchester Corp. Ancoats Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042172/	A18SW (N)	435	2	384838 398502
328	**BGS Boreholes** BGS Reference: Sj89ne1903 Drilled Length (m): 2.8 Borehole Name: Ashton Canal Corridor Tp 16 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15629948/	A14NW (E)	438	2	385420 398200
329	**BGS Boreholes** BGS Reference: Sj89ne2540 Drilled Length (m): Not Supplied Borehole Name: Piccadilly Trading Estate 2 Link to Borehole Scan: Not Available	A14SW (SE)	440	2	385372 397836
329	**BGS Boreholes** BGS Reference: Sj89ne2539 Drilled Length (m): Not Supplied Borehole Name: Piccadilly Trading Estate 1 Link to Borehole Scan: Not Available	A14SW (SE)	484	2	385411 397814
329	**BGS Boreholes** BGS Reference: Sj89ne2542 Drilled Length (m): Not Supplied Borehole Name: Piccadilly Trading Estate 4 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** BGS Reference: Sj89ne1388 Drilled Length (m): 160.27 Borehole Name: Hoyle Mayfield Print Works Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937805/	A8NE (S)	444	2	385070 397620
330	**BGS Boreholes** BGS Reference: Sj89ne1389 Drilled Length (m): 53.04 Borehole Name: Hoyle Mayfield Print Works Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937806/	A8NE (S)	444	2	385070 397620
330	**BGS Boreholes** BGS Reference: Sj89ne1390 Drilled Length (m): 73.15 Borehole Name: Hoyle Mayfield Print Works Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937807/	A8NE (S)	444	2	385070 397620
330	**BGS Boreholes** BGS Reference: Sj89ne1391 Drilled Length (m): 108.64 Borehole Name: Hoyle Mayfield Print Works Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937808/	A8NE (S)	465	2	385080 397600
331	**BGS Boreholes** BGS Reference: Sj89nw352 Drilled Length (m): 15 Borehole Name: Manchester Fgc/3235. 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042546/	A12SE (W)	447	2	384530 398000
331	**BGS Boreholes** BGS Reference: Sj89nw351 Drilled Length (m): 18 Borehole Name: Manchester Fgc/3235. 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042545/	A12SE (W)	465	2	384510 398010
332	**BGS Boreholes** BGS Reference: Sj89ne584 Drilled Length (m): 4.42 Borehole Name: Manchester Parcels Office 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937001/	A8NE (SE)	451	2	385300 397730
332	**BGS Boreholes** BGS Reference: Sj89ne925 Drilled Length (m): 4.88 Borehole Name: Manchester Parcels Office Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937342/	A13SE (SE)	458	2	385320 397740
333	**BGS Boreholes** BGS Reference: Sj89ne2369 Drilled Length (m): 1.3 Borehole Name: St Judes School Ancoats Manchester Tp27 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722655/	A18SE (NE)	453	2	385170 398510
333	**BGS Boreholes** BGS Reference: Sj89ne2370 Drilled Length (m): 1 Borehole Name: St Judes School Ancoats Manchester Tp27a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722656/	A18SE (NE)	453	2	385170 398510
333	**BGS Boreholes** BGS Reference: Sj89ne2374 Drilled Length (m): 4 Borehole Name: St Judes School Ancoats Manchester Tp32 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722661/	A18SE (N)	483	2	385150 398550
334	**BGS Boreholes** BGS Reference: Sj89ne581 Drilled Length (m): 4.88 Borehole Name: Manchester Parcels Office 4 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** BGS Reference: Sj89ne582 Drilled Length (m): 5.79 Borehole Name: Manchester Parcels Office 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936999/	A14SW (SE)	466	2	385380 397800
334	**BGS Boreholes** BGS Reference: Sj89ne19 Drilled Length (m): 9.45 Borehole Name: Manchester Corp. Helme Street Link to Borehole Scan: Not Available	A14SW (SE)	499	2	385389 397756
335	**BGS Boreholes** BGS Reference: Sj89nw3509 Drilled Length (m): Not Supplied Borehole Name: Bloom Street/Abingdon Street 1 Link to Borehole Scan: Not Available	A12SE (W)	460	2	384510 398060
336	**BGS Boreholes** BGS Reference: Sj89nw350 Drilled Length (m): 10 Borehole Name: Manchester Fgc/3235. 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042544/	A12SE (W)	462	2	384510 398040
337	**BGS Boreholes** BGS Reference: Sj89nw3779 Drilled Length (m): 5 Borehole Name: Dale Street/Stevenson Square/Newton Street 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468811/	A18SW (NW)	464	2	384700 398460
338	**BGS Boreholes** BGS Reference: Sj89nw243 Drilled Length (m): 108.05 Borehole Name: Manchester Pure Ice Works, Whitworth Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042397/	A12SE (SW)	474	2	384564 397837
339	**BGS Boreholes** BGS Reference: Sj89ne2015 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhb10 Link to Borehole Scan: Not Available	A14NW (E)	476	2	385440 398260
339	**BGS Boreholes** BGS Reference: Sj89ne1965 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp B9 Link to Borehole Scan: Not Available	A14NW (E)	486	2	385450 398260
339	**BGS Boreholes** BGS Reference: Sj89ne1966 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C1 Link to Borehole Scan: Not Available	A14NW (E)	486	2	385450 398260
339	**BGS Boreholes** BGS Reference: Sj89ne1967 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C2 Link to Borehole Scan: Not Available	A14NW (NE)	516	2	385470 398290
340	**BGS Boreholes** BGS Reference: Sj89nw1175 Drilled Length (m): 10.6 Borehole Name: Manchester Metropolitan University 1 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** BGS Reference: Sj89nw1176 Drilled Length (m): 11.4 Borehole Name: Manchester Metropolitan University 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043370/	A12SE (SW)	490	2	384550 397830
340	**BGS Boreholes** BGS Reference: Sj89nw1177 Drilled Length (m): 14.6 Borehole Name: Manchester Metropolitan University 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043371/	A12SE (SW)	515	2	384520 397830
341	**BGS Boreholes** BGS Reference: Sj89nw3618 Drilled Length (m): Not Supplied Borehole Name: Granby Row / Whitworth Street 1a Link to Borehole Scan: Not Available	A7NE (SW)	482	2	384640 397720
342	**BGS Boreholes** BGS Reference: Sj89nw3778 Drilled Length (m): 5 Borehole Name: Dale Street/Stevenson Square/Newton Street 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468810/	A18SW (NW)	484	2	384760 398520
343	**BGS Boreholes** BGS Reference: Sj89nw3781 Drilled Length (m): 5 Borehole Name: Dale Street/Stevenson Square/Newton Street 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468813/	A12NE (NW)	484	2	384560 398340
343	**BGS Boreholes** BGS Reference: Sj89nw3782 Drilled Length (m): 5.5 Borehole Name: Dale Street/Stevenson Square/Newton Street 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468814/	A12NE (NW)	512	2	384540 398360
344	**BGS Boreholes** BGS Reference: Sj89nw14 Drilled Length (m): 6.71 Borehole Name: Manchester Corp. L Sewer Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042156/	A8NW (S)	487	2	384839 397592
344	**BGS Boreholes** BGS Reference: Sj89nw17 Drilled Length (m): 6.71 Borehole Name: Manchester Corp. Corner Of Jackson Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042159/	A8NW (S)	521	2	384808 397566
345	**BGS Boreholes** BGS Reference: Sj89nw3503 Drilled Length (m): Not Supplied Borehole Name: Houldsworth Street/Little Ancoats Street 1 Link to Borehole Scan: Not Available	A18SW (NW)	488	2	384770 398530
346	**BGS Boreholes** BGS Reference: Sj89ne2375 Drilled Length (m): 3.1 Borehole Name: St Judes School Ancoats Manchester Tp34 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722662/	A18SE (N)	489	2	385140 398560
346	**BGS Boreholes** BGS Reference: Sj89ne701 Drilled Length (m): 8 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 10 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937118/	A18SE (N)	522	2	385120 398600
347	**BGS Boreholes** BGS Reference: Sj89nw1178 Drilled Length (m): 4.1 Borehole Name: Manchester Metropolitan University Tp1 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** BGS Reference: Sj89nw3785 Drilled Length (m): 7 Borehole Name: Dale Street/Stevenson Square/Newton Street 7a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468817/	A17SE (NW)	494	2	384610 398420
348	**BGS Boreholes** BGS Reference: Sj89nw3784 Drilled Length (m): 4.5 Borehole Name: Dale Street/Stevenson Square/Newton Street 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468816/	A17SE (NW)	501	2	384600 398420
349	**BGS Boreholes** BGS Reference: Sj89nw1463 Drilled Length (m): Not Supplied Borehole Name: Great Ancoats Street 3 Link to Borehole Scan: Not Available	A18SW (N)	496	2	384820 398560
350	**BGS Boreholes** BGS Reference: Sj89nw3433 Drilled Length (m): 5.5 Borehole Name: Canal Street Sewer Renewal Scheme 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045627/	A12SE (W)	507	2	384480 397950
350	**BGS Boreholes** BGS Reference: Sj89nw3444 Drilled Length (m): 4 Borehole Name: Canal Street Sewer Renewal Scheme 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045638/	A12SE (W)	532	2	384460 397930
350	**BGS Boreholes** BGS Reference: Sj89nw3443 Drilled Length (m): 4.2 Borehole Name: Canal Street Sewer Renewal Scheme 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045637/	A12SE (W)	535	2	384460 397920
351	**BGS Boreholes** BGS Reference: Sj89ne19/1 Drilled Length (m): 9.3 Borehole Name: Manchester Corp. Helme Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936418/	A14SW (SE)	509	2	385448 397830
352	**BGS Boreholes** BGS Reference: Sj89ne2541 Drilled Length (m): Not Supplied Borehole Name: Piccadilly Trading Estate 3 Link to Borehole Scan: Not Available	A14SW (SE)	510	2	385464 397861
353	**BGS Boreholes** BGS Reference: Sj89ne700 Drilled Length (m): 27.7 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 9 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937117/	A18SE (NE)	511	2	385240 398540
354	**BGS Boreholes** BGS Reference: Sj89nw1323 Drilled Length (m): Not Supplied Borehole Name: Portland Street 7 Link to Borehole Scan: Not Available	A12NE (W)	511	2	384480 398230
354	**BGS Boreholes** BGS Reference: Sj89nw1272 Drilled Length (m): Not Supplied Borehole Name: Picadilly Gardens Tp3 Link to Borehole Scan: Not Available	A12NE (W)	512	2	384490 398260
354	**BGS Boreholes** BGS Reference: Sj89nw1273 Drilled Length (m): Not Supplied Borehole Name: Picadilly Gardens Tp4 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** BGS Reference: Sj89nw1271 Drilled Length (m): Not Supplied Borehole Name: Picadilly Gardens Tp2 Link to Borehole Scan: Not Available	A12NE (W)	534	2	384470 398270
355	**BGS Boreholes** BGS Reference: Sj89ne18 Drilled Length (m): 9.3 Borehole Name: Manchester Corp. Fairfield Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936417/	A9NW (SE)	514	2	385352 397693
356	**BGS Boreholes** BGS Reference: Sj89ne2363 Drilled Length (m): 4 Borehole Name: Ancoats Hospital Site Ancoats Manchester Tp5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722639/	A14NW (NE)	516	2	385450 398330
356	**BGS Boreholes** BGS Reference: Sj89ne2364 Drilled Length (m): 3 Borehole Name: Ancoats Hospital Site Ancoats Manchester Tp6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722641/	A14NW (NE)	548	2	385470 398360
357	**BGS Boreholes** BGS Reference: Sj89ne695 Drilled Length (m): 8.08 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937112/	A14NW (E)	518	2	385500 398210
358	**BGS Boreholes** BGS Reference: Sj89nw318 Drilled Length (m): 12.19 Borehole Name: Manchester Letter Sorting Office, Newton St. 5bh'S Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042484/	A18SW (NW)	526	2	384675 398517
359	**BGS Boreholes** BGS Reference: Sj89nw3510 Drilled Length (m): Not Supplied Borehole Name: Bloom Street/Abingdon Street 2 Link to Borehole Scan: Not Available	A12SE (W)	528	2	384450 397990
360	**BGS Boreholes** BGS Reference: Sj89ne17 Drilled Length (m): 8.23 Borehole Name: Manchester Corp. Temperance Street Under Railway Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936416/	A8NE (SE)	531	2	385299 397627
361	**BGS Boreholes** BGS Reference: Sj89nw3438 Drilled Length (m): 11 Borehole Name: Canal Street Sewer Renewal Scheme 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045632/	A12SE (SW)	533	2	384500 397830
362	**BGS Boreholes** BGS Reference: Sj89nw2909 Drilled Length (m): Not Supplied Borehole Name: Lever Street 3 Link to Borehole Scan: Not Available	A12NE (NW)	535	2	384540 398400
362	**BGS Boreholes** BGS Reference: Sj89nw3947 Drilled Length (m): Not Supplied Borehole Name: Lever Street 4 Link to Borehole Scan: Not Available	A12NE (NW)	537	2	384518 398372
362	**BGS Boreholes** BGS Reference: Sj89nw3948 Drilled Length (m): Not Supplied Borehole Name: Lever Street 4a 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** BGS Reference: Sj89nw249 Drilled Length (m): 68.88 Borehole Name: Boyd Dawkins, Jackson Street Mill Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042403/	A8NW (SW)	545	2	384684 397602
364	**BGS Boreholes** BGS Reference: Sj89nw2030 Drilled Length (m): Not Supplied Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 525 Link to Borehole Scan: Not Available	A8NW (S)	546	2	384880 397520
365	**BGS Boreholes** BGS Reference: Sj89nw3447 Drilled Length (m): 7.2 Borehole Name: Canal Street Sewer Renewal Scheme 9 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045641/	A12SE (SW)	546	2	384480 397840
365	**BGS Boreholes** BGS Reference: Sj89nw3448 Drilled Length (m): 5.2 Borehole Name: Canal Street Sewer Renewal Scheme 10 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045642/	A12SE (SW)	546	2	384480 397840
365	**BGS Boreholes** BGS Reference: Sj89nw3437 Drilled Length (m): 6.3 Borehole Name: Canal Street Sewer Renewal Scheme 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045631/	A12SE (W)	556	2	384460 397860
365	**BGS Boreholes** BGS Reference: Sj89nw3446 Drilled Length (m): 6.6 Borehole Name: Canal Street Sewer Renewal Scheme 8 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045640/	A12SE (W)	556	2	384460 397860
365	**BGS Boreholes** BGS Reference: Sj89nw3445 Drilled Length (m): 4.6 Borehole Name: Canal Street Sewer Renewal Scheme 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045639/	A12SE (W)	561	2	384450 397870
366	**BGS Boreholes** BGS Reference: Sj89nw2908 Drilled Length (m): Not Supplied Borehole Name: Lever Street 2 Link to Borehole Scan: Not Available	A18SW (NW)	550	2	384650 398530
367	**BGS Boreholes** BGS Reference: Sj89ne828 Drilled Length (m): 2.25 Borehole Name: Winder Drive Tp 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937245/	A18SE (NE)	551	2	385300 398550
367	**BGS Boreholes** BGS Reference: Sj89ne829 Drilled Length (m): 2.15 Borehole Name: Winder Drive Tp 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937246/	A18SE (NE)	557	2	385310 398550
367	**BGS Boreholes** BGS Reference: Sj89ne831 Drilled Length (m): 6.5 Borehole Name: Hostel Winder Drive Ancoats 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937248/	A18SE (NE)	557	2	385310 398550
367	**BGS Boreholes** BGS Reference: Sj89ne826 Drilled Length (m): 1.7 Borehole Name: Winder Drive Tp 1 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** BGS Reference: Sj89ne830 Drilled Length (m): 10 Borehole Name: Hostel Winder Drive Ancoats 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937247/	A18SE (NE)	559	2	385300 398560
367	**BGS Boreholes** BGS Reference: Sj89ne827 Drilled Length (m): 1.1 Borehole Name: Winder Drive Tp 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937244/	A18SE (NE)	565	2	385310 398560
368	**BGS Boreholes** BGS Reference: Sj89nw2027 Drilled Length (m): Not Supplied Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 520 Link to Borehole Scan: Not Available	A8NW (S)	553	2	384900 397510
368	**BGS Boreholes** BGS Reference: Sj89nw2028 Drilled Length (m): Not Supplied Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 522 Link to Borehole Scan: Not Available	A8NW (S)	592	2	384900 397470
368	**BGS Boreholes** BGS Reference: Sj89nw2026 Drilled Length (m): Not Supplied Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 227 Link to Borehole Scan: Not Available	A8NW (S)	594	2	384890 397470
368	**BGS Boreholes** BGS Reference: Sj89nw2029 Drilled Length (m): Not Supplied Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 523 Link to Borehole Scan: Not Available	A8NW (S)	598	2	384930 397460
369	**BGS Boreholes** BGS Reference: Sj89ne112 Drilled Length (m): 149.35 Borehole Name: Deakins Brewery, Broadie Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936517/	A8NE (SE)	559	2	385250 397563
369	**BGS Boreholes** BGS Reference: Sj89ne179 Drilled Length (m): 152.4 Borehole Name: Broadie Street Andwich Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936584/	A8NE (SE)	581	2	385241 397534
370	**BGS Boreholes** BGS Reference: Sj89ne20 Drilled Length (m): 9.45 Borehole Name: Manchester Corp. Link to Borehole Scan: Not Available	A14SW (SE)	561	2	385513 397846
371	**BGS Boreholes** BGS Reference: Sj89ne1968 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C3 Link to Borehole Scan: Not Available	A14NW (NE)	565	2	385510 398320
371	**BGS Boreholes** BGS Reference: Sj89ne2016 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhc1 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** BGS Reference: Sj89ne1969 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C4 Link to Borehole Scan: Not Available	A14NW (NE)	610	2	385560 398320
372	**BGS Boreholes** BGS Reference: Sj89nw1322 Drilled Length (m): Not Supplied Borehole Name: Portland Street 6 Link to Borehole Scan: Not Available	A12NE (W)	566	2	384410 398170
372	**BGS Boreholes** BGS Reference: Sj89nw1274 Drilled Length (m): Not Supplied Borehole Name: Picadilly Gardens Tp5 Link to Borehole Scan: Not Available	A12NE (W)	575	2	384400 398160
373	**BGS Boreholes** BGS Reference: Sj89ne702 Drilled Length (m): 8.22 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 11 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937119/	A18SE (N)	566	2	385010 398660
373	**BGS Boreholes** BGS Reference: Sj89ne703 Drilled Length (m): 8 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 12 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937120/	A18SE (N)	576	2	385000 398670
374	**BGS Boreholes** BGS Reference: Sj89nw333 Drilled Length (m): 6.1 Borehole Name: Mancuman Way, No.12 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042499/	A8NW (S)	571	2	384855 397500
375	**BGS Boreholes** BGS Reference: Sj89ne113 Drilled Length (m): 141.12 Borehole Name: Moseley & Sons, Chapelfield Rubber Works Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936518/	A8NE (S)	576	2	385139 397501
376	**BGS Boreholes** BGS Reference: Sj89nw2907 Drilled Length (m): Not Supplied Borehole Name: Lever Street 1 Link to Borehole Scan: Not Available	A18SW (NW)	583	2	384700 398600
377	**BGS Boreholes** BGS Reference: Sj89nw3436 Drilled Length (m): 5.5 Borehole Name: Canal Street Sewer Renewal Scheme 4a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045630/	A12SE (W)	583	2	384410 397920
377	**BGS Boreholes** BGS Reference: Sj89nw3434 Drilled Length (m): 6.7 Borehole Name: Canal Street Sewer Renewal Scheme 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045628/	A12SE (W)	595	2	384410 397880
377	**BGS Boreholes** BGS Reference: Sj89nw3442 Drilled Length (m): 4.7 Borehole Name: Canal Street Sewer Renewal Scheme 4 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** BGS Reference: Sj89nw3643 Drilled Length (m): 7.62 Borehole Name: Manchester College X Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045837/	A7NE (SW)	590	2	384600 397610
379	**BGS Boreholes** BGS Reference: Sj89nw3619 Drilled Length (m): Not Supplied Borehole Name: Granby Row / Whitworth Street 2 Link to Borehole Scan: Not Available	A7NE (SW)	591	2	384530 397680
379	**BGS Boreholes** BGS Reference: Sj89nw1162 Drilled Length (m): Not Supplied Borehole Name: Granby Row Umist Campus 2 Link to Borehole Scan: Not Available	A7NE (SW)	605	2	384520 397670
379	**BGS Boreholes** BGS Reference: Sj89nw1161 Drilled Length (m): Not Supplied Borehole Name: Granby Row Umist Campus 1 Link to Borehole Scan: Not Available	A7NE (SW)	633	2	384500 397650
379	**BGS Boreholes** BGS Reference: Sj89nw1498 Drilled Length (m): Not Supplied Borehole Name: Sackville Street 2 Link to Borehole Scan: Not Available	A7NE (SW)	644	2	384470 397670
380	**BGS Boreholes** BGS Reference: Sj89nw13 Drilled Length (m): 5.49 Borehole Name: Manchester Corp. L Sewer Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042155/	A8NW (SW)	592	2	384686 397546
381	**BGS Boreholes** BGS Reference: Sj89nw3279 Drilled Length (m): Not Supplied Borehole Name: High School Manchester Ob Link to Borehole Scan: Not Available	A12SE (SW)	592	2	384460 397780
382	**BGS Boreholes** BGS Reference: Sj89nw205 Drilled Length (m): 122.99 Borehole Name: Manchester Fish & Meat Salesmen'S Ice Co Ltd Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042348/	A18SW (N)	595	2	384903 398683
383	**BGS Boreholes** BGS Reference: Sj89nw2031 Drilled Length (m): Not Supplied Borehole Name: Lower Medlock Ucso'S C/1 Site 0308 525a Link to Borehole Scan: Not Available	A8NW (S)	596	2	384970 397460
383	**BGS Boreholes** BGS Reference: Sj89ne911 Drilled Length (m): Not Supplied Borehole Name: Lower Medlock Ecso'S C/1 Site 0308 525b Link to Borehole Scan: Not Available	A8NE (S)	606	2	385000 397450
384	**BGS Boreholes** BGS Reference: Sj89ne1293 Drilled Length (m): Not Supplied Borehole Name: Every Street 1 Link to Borehole Scan: Not Available	A14SW (E)	599	2	385590 397980
384	**BGS Boreholes** BGS Reference: Sj89ne986 Drilled Length (m): Not Supplied Borehole Name: Every Street Sewer Replacement 1a 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** BGS Reference: Sj89ne985 Drilled Length (m): Not Supplied Borehole Name: Every Street Sewer Replacement Tp1 Link to Borehole Scan: Not Available	A14SW (E)	619	2	385610 397980
385	**BGS Boreholes** BGS Reference: Sj89nw1462 Drilled Length (m): Not Supplied Borehole Name: Great Ancoats Street 2 Link to Borehole Scan: Not Available	A18SW (NW)	600	2	384740 398640
386	**BGS Boreholes** BGS Reference: Sj89nw1316 Drilled Length (m): Not Supplied Borehole Name: Sackville Gardens T2 Link to Borehole Scan: Not Available	A12SE (SW)	601	2	384420 397840
386	**BGS Boreholes** BGS Reference: Sj89nw1312 Drilled Length (m): Not Supplied Borehole Name: Sackville Gardens 1 Link to Borehole Scan: Not Available	A12SE (W)	610	2	384410 397840
386	**BGS Boreholes** BGS Reference: Sj89nw1313 Drilled Length (m): Not Supplied Borehole Name: Sackville Gardens 2 Link to Borehole Scan: Not Available	A12SE (W)	615	2	384400 397850
386	**BGS Boreholes** BGS Reference: Sj89nw1315 Drilled Length (m): Not Supplied Borehole Name: Sackville Gardens T1 Link to Borehole Scan: Not Available	A12SE (W)	615	2	384400 397850
386	**BGS Boreholes** BGS Reference: Sj89nw1314 Drilled Length (m): Not Supplied Borehole Name: Sackville Gardens 3 Link to Borehole Scan: Not Available	A12SE (W)	641	2	384380 397830
387	**BGS Boreholes** BGS Reference: Sj89nw3783 Drilled Length (m): 7 Borehole Name: Dale Street/Stevenson Square/Newton Street 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/13468815/	A17SE (NW)	603	2	384470 398420
388	**BGS Boreholes** BGS Reference: Sj89ne2379 Drilled Length (m): 3 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp37 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722669/	A18SE (N)	607	2	385210 398660
388	**BGS Boreholes** BGS Reference: Sj89ne2376 Drilled Length (m): 10 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722665/	A18SE (N)	609	2	385190 398670
388	**BGS Boreholes** BGS Reference: Sj89ne2380 Drilled Length (m): 3 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp38 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722671/	A18SE (N)	638	2	385220 398690
389	**BGS Boreholes** BGS Reference: Sj89nw3511 Drilled Length (m): Not Supplied Borehole Name: Bloom Street/Abingdon Street 3 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** BGS Reference: Sj89nw3636 Drilled Length (m): 15.24 Borehole Name: Manchester College A Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045830/	A7NE (SW)	613	2	384600 397580
391	**BGS Boreholes** BGS Reference: Sj89ne1336 Drilled Length (m): Not Supplied Borehole Name: 13 / 15 / 17 / 19 New Islington Street 1 Link to Borehole Scan: Not Available	A18SE (NE)	614	2	385290 398630
391	**BGS Boreholes** BGS Reference: Sj89ne1337 Drilled Length (m): Not Supplied Borehole Name: 13 / 15 / 17 / 19 New Islington Street 2 Link to Borehole Scan: Not Available	A18SE (NE)	622	2	385290 398640
391	**BGS Boreholes** BGS Reference: Sj89ne1338 Drilled Length (m): Not Supplied Borehole Name: 13 / 15 / 17 / 19 New Islington Street 2a Link to Borehole Scan: Not Available	A18SE (NE)	622	2	385290 398640
391	**BGS Boreholes** BGS Reference: Sj89ne1339 Drilled Length (m): Not Supplied Borehole Name: 13 / 15 / 17 / 19 New Islington Street 2b Link to Borehole Scan: Not Available	A18SE (NE)	622	2	385290 398640
391	**BGS Boreholes** BGS Reference: Sj89ne1340 Drilled Length (m): Not Supplied Borehole Name: 13 / 15 / 17 / 19 New Islington Street 3 Link to Borehole Scan: Not Available	A18SE (NE)	622	2	385290 398640
391	**BGS Boreholes** BGS Reference: Sj89ne1341 Drilled Length (m): Not Supplied Borehole Name: 13 / 15 / 17 / 19 New Islington Street 4 Link to Borehole Scan: Not Available	A18SE (NE)	622	2	385290 398640
391	**BGS Boreholes** BGS Reference: Sj89ne1342 Drilled Length (m): Not Supplied Borehole Name: 13 / 15 / 17 / 19 New Islington Street Tp1 Link to Borehole Scan: Not Available	A18SE (NE)	622	2	385290 398640
392	**BGS Boreholes** BGS Reference: Sj89nw12 Drilled Length (m): 6.1 Borehole Name: Manchester Corp. L Sewer Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042154/	A8NW (SW)	617	2	384681 397519
392	**BGS Boreholes** BGS Reference: Sj89nw11 Drilled Length (m): 7.62 Borehole Name: Manchester Corp. South Of London Road Station Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042153/	A8NW (SW)	653	2	384692 397473
393	**BGS Boreholes** BGS Reference: Sj89nw3639 Drilled Length (m): 7.16 Borehole Name: Manchester College D Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045833/	A7NE (SW)	617	2	384570 397600
393	**BGS Boreholes** BGS Reference: Sj89nw3638 Drilled Length (m): 5.18 Borehole Name: Manchester College C 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** BGS Reference: Sj89nw3641 Drilled Length (m): 3.96 Borehole Name: Manchester College F Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045835/	A7NE (SW)	638	2	384550 397590
393	**BGS Boreholes** BGS Reference: Sj89nw3642 Drilled Length (m): 7.62 Borehole Name: Manchester College G Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045836/	A7NE (SW)	646	2	384560 397570
393	**BGS Boreholes** BGS Reference: Sj89nw3637 Drilled Length (m): 8.99 Borehole Name: Manchester College B Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045831/	A7NE (SW)	655	2	384570 397550
394	**BGS Boreholes** BGS Reference: Sj89nw1341 Drilled Length (m): 19.49 Borehole Name: City Centre - Phase 2 37 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043535/	A12NE (W)	621	2	384350 398120
394	**BGS Boreholes** BGS Reference: Sj89nw335 Drilled Length (m): 20.42 Borehole Name: Piccadilly Hotel. No.4 Bh Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042501/	A12NE (W)	663	2	384310 398150
394	**BGS Boreholes** BGS Reference: Sj89nw336 Drilled Length (m): 23.77 Borehole Name: Piccadilly Hotel. Tower Block No.7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042502/	A12NW (W)	694	2	384280 398160
395	**BGS Boreholes** BGS Reference: Sj89nw1497 Drilled Length (m): Not Supplied Borehole Name: Sackville Street 1 Link to Borehole Scan: Not Available	A12SE (SW)	622	2	384450 397740
396	**BGS Boreholes** BGS Reference: Sj89ne16 Drilled Length (m): 11.58 Borehole Name: Manchester Corp. New York Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936415/	A8NE (SE)	629	2	385288 397504
397	**BGS Boreholes** BGS Reference: Sj89ne2381 Drilled Length (m): 3 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp39 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722672/	A18SE (NE)	631	2	385250 398670
397	**BGS Boreholes** BGS Reference: Sj89ne2382 Drilled Length (m): 3 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp40 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722674/	A18SE (NE)	646	2	385240 398690
397	**BGS Boreholes** BGS Reference: Sj89ne2383 Drilled Length (m): 4 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp41 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** BGS Reference: Sj89ne1970 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C5 Link to Borehole Scan: Not Available	A14NW (NE)	633	2	385580 398330
398	**BGS Boreholes** BGS Reference: Sj89ne2017 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhc2 Link to Borehole Scan: Not Available	A14NW (E)	647	2	385600 398320
398	**BGS Boreholes** BGS Reference: Sj89ne1971 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C6 Link to Borehole Scan: Not Available	A14NW (E)	660	2	385610 398330
399	**BGS Boreholes** BGS Reference: Sj89nw3640 Drilled Length (m): 10.36 Borehole Name: Manchester College E Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045834/	A7NE (SW)	638	2	384550 397590
400	**BGS Boreholes** BGS Reference: Sj89ne1294 Drilled Length (m): Not Supplied Borehole Name: Every Street 2 Link to Borehole Scan: Not Available	A14SW (E)	642	2	385640 398040
400	**BGS Boreholes** BGS Reference: Sj89ne987 Drilled Length (m): Not Supplied Borehole Name: Every Street Sewer Replacement 2 Link to Borehole Scan: Not Available	A14SE (E)	662	2	385660 398050
401	**BGS Boreholes** BGS Reference: Sj89ne2377 Drilled Length (m): 18.9 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722667/	A18SE (NE)	644	2	385280 398670
402	**BGS Boreholes** BGS Reference: Sj89ne20/1 Drilled Length (m): 8.23 Borehole Name: Manchester Corp. Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936420/	A14SW (SE)	648	2	385594 397815
403	**BGS Boreholes** BGS Reference: Sj89ne634 Drilled Length (m): 20.53 Borehole Name: Lower Medlock Ucso 527a-E Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937051/	A14SW (E)	648	2	385600 397830
404	**BGS Boreholes** BGS Reference: Sj89nw3441 Drilled Length (m): 6 Borehole Name: Canal Street Sewer Renewal Scheme 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045635/	A12SE (W)	650	2	384370 397830
404	**BGS Boreholes** BGS Reference: Sj89nw3435 Drilled Length (m): 7.1 Borehole Name: Canal Street Sewer Renewal Scheme 3 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** BGS Reference: Sj89nw3439 Drilled Length (m): 5.8 Borehole Name: Canal Street Sewer Renewal Scheme 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045633/	A12SE (SW)	690	2	384340 397800
404	**BGS Boreholes** BGS Reference: Sj89nw3440 Drilled Length (m): 5.8 Borehole Name: Canal Street Sewer Renewal Scheme 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045634/	A12SE (SW)	690	2	384340 397800
405	**BGS Boreholes** BGS Reference: Sj89ne694 Drilled Length (m): 7 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937111/	A14NW (E)	651	2	385650 398080
406	**BGS Boreholes** BGS Reference: Sj89nw1270 Drilled Length (m): Not Supplied Borehole Name: Picadilly Gardens Tp1 Link to Borehole Scan: Not Available	A12NE (W)	651	2	384360 398310
407	**BGS Boreholes** BGS Reference: Sj89nw1348 Drilled Length (m): 25.59 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 13 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043542/	A18SW (N)	653	2	384890 398740
407	**BGS Boreholes** BGS Reference: Sj89nw1349 Drilled Length (m): 29.5 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 14 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043543/	A18NW (N)	676	2	384870 398760
408	**BGS Boreholes** BGS Reference: Sj89nw315 Drilled Length (m): 7.92 Borehole Name: College Of Sci.& Tech. River Medlock Culvert 10 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042481/	A7NE (SW)	655	2	384632 397505
409	**BGS Boreholes** BGS Reference: Sj89nw1499 Drilled Length (m): Not Supplied Borehole Name: Sackville Street 3 Link to Borehole Scan: Not Available	A7NE (SW)	659	2	384510 397600
410	**BGS Boreholes** BGS Reference: Sj89nw29 Drilled Length (m): 25.91 Borehole Name: Manchester Corp. Rochdale Road Sewer Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042171/	A18SW (NW)	660	2	384666 398670
411	**BGS Boreholes** BGS Reference: Sj89nw1461 Drilled Length (m): Not Supplied Borehole Name: Great Ancoats Street 1 Link to Borehole Scan: Not Available	A18SW (NW)	663	2	384680 398680
411	**BGS Boreholes** BGS Reference: Sj89nw2904 Drilled Length (m): Not Supplied Borehole Name: Swan Street 1c Link to Borehole Scan: Not Available	A18SW (NW)	663	2	384660 398670
412	**BGS Boreholes** BGS Reference: Sj89ne2493 Drilled Length (m): 18.28 Borehole Name: Manchester 23 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425202/	A14SE (E)	668	2	385660 397980

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413	**BGS Boreholes** BGS Reference: Sj89nw1590 Drilled Length (m): 21.33 Borehole Name: Portland Street Manchester 14 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043784/	A12NW (W)	670	2	384300 398090
413	**BGS Boreholes** BGS Reference: Sj89nw1585 Drilled Length (m): 13.71 Borehole Name: Portland Street Manchester 9 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043779/	A12NW (W)	680	2	384290 398100
413	**BGS Boreholes** BGS Reference: Sj89nw1589 Drilled Length (m): 13.71 Borehole Name: Portland Street Manchester 13 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043783/	A12SW (W)	680	2	384290 398070
413	**BGS Boreholes** BGS Reference: Sj89nw1581 Drilled Length (m): 17.37 Borehole Name: Portland Street Manchester 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043775/	A12NW (W)	690	2	384280 398100
414	**BGS Boreholes** BGS Reference: Sj89nw3550 Drilled Length (m): Not Supplied Borehole Name: Sackville Street / Bloom Street 1 Link to Borehole Scan: Not Available	A12SE (W)	677	2	384330 397860
414	**BGS Boreholes** BGS Reference: Sj89nw3551 Drilled Length (m): Not Supplied Borehole Name: Sackville Street / Bloom Street 2 Link to Borehole Scan: Not Available	A12SE (W)	677	2	384330 397860
414	**BGS Boreholes** BGS Reference: Sj89nw3512 Drilled Length (m): Not Supplied Borehole Name: Bloom Street/Abingdon Street 4 Link to Borehole Scan: Not Available	A12SE (W)	687	2	384320 397860
414	**BGS Boreholes** BGS Reference: Sj89nw3552 Drilled Length (m): Not Supplied Borehole Name: Sackville Street / Bloom Street 3 Link to Borehole Scan: Not Available	A12SE (W)	693	2	384310 397870
415	**BGS Boreholes** BGS Reference: Sj89nw1321 Drilled Length (m): Not Supplied Borehole Name: Portland Street 5/5a Link to Borehole Scan: Not Available	A12SW (W)	681	2	384290 398040
416	**BGS Boreholes** BGS Reference: Sj89ne1295 Drilled Length (m): Not Supplied Borehole Name: Every Street 3 Link to Borehole Scan: Not Available	A14NE (E)	682	2	385680 398110
417	**BGS Boreholes** BGS Reference: Sj89nw4095 Drilled Length (m): Not Supplied Borehole Name: Granby Village Manchester 2 Link to Borehole Scan: Not Available	A7NE (SW)	686	2	384400 397700
417	**BGS Boreholes** BGS Reference: Sj89nw4094 Drilled Length (m): Not Supplied Borehole Name: Granby Village Manchester 1 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
418	**BGS Boreholes** BGS Reference: Sj89nw4119 Drilled Length (m): 90 Borehole Name: Origin Development, Bh 2 (Abh) Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18108077/	A7NE (SW)	687	2	384378 397733
419	**BGS Boreholes** BGS Reference: Sj89ne2384 Drilled Length (m): 4 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp42 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722677/	A18SE (NE)	689	2	385280 398720
419	**BGS Boreholes** BGS Reference: Sj89ne2385 Drilled Length (m): 3 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp43 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722679/	A18SE (NE)	689	2	385300 398710
419	**BGS Boreholes** BGS Reference: Sj89ne2386 Drilled Length (m): 3 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp44 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722681/	A18SE (NE)	716	2	385300 398740
419	**BGS Boreholes** BGS Reference: Sj89ne2387 Drilled Length (m): 4 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp45 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722682/	A18SE (NE)	725	2	385320 398740
420	**BGS Boreholes** BGS Reference: Sj89nw1584 Drilled Length (m): 13.59 Borehole Name: Portland Street Manchester 8 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043778/	A12NW (W)	690	2	384280 398080
420	**BGS Boreholes** BGS Reference: Sj89nw1588 Drilled Length (m): 13.71 Borehole Name: Portland Street Manchester 12 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043782/	A12SW (W)	690	2	384280 398050
420	**BGS Boreholes** BGS Reference: Sj89nw1580 Drilled Length (m): 13.62 Borehole Name: Portland Street Manchester 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043774/	A12NW (W)	700	2	384270 398090
420	**BGS Boreholes** BGS Reference: Sj89nw1583 Drilled Length (m): 19.38 Borehole Name: Portland Street Manchester 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043777/	A12SW (W)	700	2	384270 398070
420	**BGS Boreholes** BGS Reference: Sj89nw1579 Drilled Length (m): 13.71 Borehole Name: Portland Street Manchester 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043773/	A12SW (W)	710	2	384260 398070
420	**BGS Boreholes** BGS Reference: Sj89nw1587 Drilled Length (m): 12.64 Borehole Name: Portland Street Manchester 11 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043781/	A12SW (W)	710	2	384260 398050
420	**BGS Boreholes** BGS Reference: Sj89nw1578 Drilled Length (m): 12.37 Borehole Name: Portland Street Manchester 2 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** BGS Reference: Sj89nw1582 Drilled Length (m): 12.19 Borehole Name: Portland Street Manchester 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043776/	A12SW (W)	720	2	384250 398050
420	**BGS Boreholes** BGS Reference: Sj89nw1586 Drilled Length (m): 18.89 Borehole Name: Portland Street Manchester 10 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043780/	A12SW (W)	721	2	384250 398040
420	**BGS Boreholes** BGS Reference: Sj89nw1577 Drilled Length (m): 18.25 Borehole Name: Portland Street Manchester 1 Link to Borehole Scan: Not Available	A12SW (W)	730	2	384240 398050
421	**BGS Boreholes** BGS Reference: Sj89nw4096 Drilled Length (m): Not Supplied Borehole Name: Granby Village Manchester 3 Link to Borehole Scan: Not Available	A7NE (SW)	691	2	384420 397660
421	**BGS Boreholes** BGS Reference: Sj89nw3620 Drilled Length (m): Not Supplied Borehole Name: Granby Row / Whitworth Street 3 Link to Borehole Scan: Not Available	A7NE (SW)	700	2	384430 397630
422	**BGS Boreholes** BGS Reference: Sj89ne1972 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C7 Link to Borehole Scan: Not Available	A14NW (NE)	696	2	385640 398350
422	**BGS Boreholes** BGS Reference: Sj89ne1973 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp C8 Link to Borehole Scan: Not Available	A14NE (NE)	735	2	385670 398380
423	**BGS Boreholes** BGS Reference: Sj89ne21 Drilled Length (m): 5.18 Borehole Name: Manchester Corp. Palmerstone Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936422/	A14SE (E)	697	2	385662 397859
424	**BGS Boreholes** BGS Reference: Sj89nw545 Drilled Length (m): 13.41 Borehole Name: Church St Car Pk Manch 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042739/	A17SE (NW)	697	2	384448 398544
425	**BGS Boreholes** BGS Reference: Sj89nw539 Drilled Length (m): 15.24 Borehole Name: Church St Car Pk Manch 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042733/	A17SE (NW)	698	2	384405 398493
425	**BGS Boreholes** BGS Reference: Sj89nw540 Drilled Length (m): 10.97 Borehole Name: Church St Car Pk Manch 2 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** BGS Reference: Sj89nw3553 Drilled Length (m): Not Supplied Borehole Name: Church Street / High Street 1 Link to Borehole Scan: Not Available	A17SE (NW)	698	2	384390 398470
427	**BGS Boreholes** BGS Reference: Sj89nw1500 Drilled Length (m): Not Supplied Borehole Name: Sackville Street 4 Link to Borehole Scan: Not Available	A7NE (SW)	703	2	384520 397530
428	**BGS Boreholes** BGS Reference: Sj89ne988 Drilled Length (m): Not Supplied Borehole Name: Every Street Sewer Replacement 3 Link to Borehole Scan: Not Available	A14NE (E)	703	2	385700 398130
428	**BGS Boreholes** BGS Reference: Sj89ne1348 Drilled Length (m): Not Supplied Borehole Name: Every Street Tp2 Link to Borehole Scan: Not Available	A14NE (E)	712	2	385710 398120
428	**BGS Boreholes** BGS Reference: Sj89ne1349 Drilled Length (m): Not Supplied Borehole Name: Every Street Tp3 Link to Borehole Scan: Not Available	A14NE (E)	722	2	385720 398110
428	**BGS Boreholes** BGS Reference: Sj89ne1350 Drilled Length (m): Not Supplied Borehole Name: Every Street Tp4 Link to Borehole Scan: Not Available	A14NE (E)	732	2	385730 398110
428	**BGS Boreholes** BGS Reference: Sj89ne1347 Drilled Length (m): Not Supplied Borehole Name: Every Street Tp1 Link to Borehole Scan: Not Available	A14NE (E)	733	2	385730 398130
428	**BGS Boreholes** BGS Reference: Sj89ne1022 Drilled Length (m): Not Supplied Borehole Name: Every Street 1 Link to Borehole Scan: Not Available	A14NE (E)	741	2	385740 398100
428	**BGS Boreholes** BGS Reference: Sj89ne989 Drilled Length (m): Not Supplied Borehole Name: Every Street Sewer Replacement 4 Link to Borehole Scan: Not Available	A14NE (E)	744	2	385740 398150
428	**BGS Boreholes** BGS Reference: Sj89ne1296 Drilled Length (m): Not Supplied Borehole Name: Every Street 4 Link to Borehole Scan: Not Available	A14NE (E)	745	2	385740 398160
429	**BGS Boreholes** BGS Reference: Sj89nw543 Drilled Length (m): 7.62 Borehole Name: Church St Car Pk Manch 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042737/	A17SE (NW)	709	2	384412 398519
429	**BGS Boreholes** BGS Reference: Sj89nw542 Drilled Length (m): 7.62 Borehole Name: Church St Car Pk Manch 4 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** BGS Reference: Sj89nw3265 Drilled Length (m): Not Supplied Borehole Name: 33 Blossom St Ancoats Link to Borehole Scan: Not Available	A18NW (N)	711	2	384900 398800
431	**BGS Boreholes** BGS Reference: Sj89ne1028 Drilled Length (m): Not Supplied Borehole Name: Every Street Tha Link to Borehole Scan: Not Available	A14SE (E)	713	2	385710 398020
431	**BGS Boreholes** BGS Reference: Sj89ne1029 Drilled Length (m): Not Supplied Borehole Name: Every Street Thb Link to Borehole Scan: Not Available	A14SE (E)	722	2	385720 398040
432	**BGS Boreholes** BGS Reference: Sj89ne116 Drilled Length (m): 124.05 Borehole Name: Jewsbury & Browns Andwich Green Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936521/	A8SE (S)	718	2	385053 397341
433	**BGS Boreholes** BGS Reference: Sj89nw295 Drilled Length (m): Not Supplied Borehole Name: No Details Link to Borehole Scan: Not Available	A12NW (W)	720	2	384250 398100
434	**BGS Boreholes** BGS Reference: Sj89nw317 Drilled Length (m): 12.19 Borehole Name: Portland Street & Car Park. Bh'S 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042483/	A12SW (W)	720	2	384263 397946
435	**BGS Boreholes** BGS Reference: Sj89nw1351 Drilled Length (m): 24.6 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 17 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043545/	A18NW (N)	726	2	384780 398790
435	**BGS Boreholes** BGS Reference: Sj89nw1350 Drilled Length (m): 26.85 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 16 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043544/	A18NW (N)	745	2	384820 398820
436	**BGS Boreholes** BGS Reference: Sj89ne864 Drilled Length (m): 13.3 Borehole Name: Pin Mill Brow 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937281/	A14SE (SE)	730	2	385660 397760
437	**BGS Boreholes** BGS Reference: Sj89nw10 Drilled Length (m): 7.92 Borehole Name: Manchester Corp. South Of London Road Station Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042152/	A7NE (SW)	732	2	384619 397423
438	**BGS Boreholes** BGS Reference: Sj89ne2492 Drilled Length (m): 7.62 Borehole Name: Manchester 22 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425201/	A14SE (E)	732	2	385720 397950
438	**BGS Boreholes** BGS Reference: Sj89ne22 Drilled Length (m): 6.4 Borehole Name: Manchester Corp. Palmerstone Street 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
439	**BGS Boreholes** BGS Reference: Sj89nw337 Drilled Length (m): 23.93 Borehole Name: Piccadilly Hotel. Tower Block No.10 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042503/	A12NW (W)	736	2	384240 398180
440	**BGS Boreholes** BGS Reference: Sj89nw544 Drilled Length (m): 15.24 Borehole Name: Church St Car Pk Manch 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042738/	A17SE (NW)	738	2	384402 398553
440	**BGS Boreholes** BGS Reference: Sj89nw541 Drilled Length (m): 15.24 Borehole Name: Church St Car Pk Manch 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042735/	A17SE (NW)	757	2	384359 398529
441	**BGS Boreholes** BGS Reference: Sj89nw1238 Drilled Length (m): Not Supplied Borehole Name: Cluster 12 Oldham Road Manchester 4 Link to Borehole Scan: Not Available	A18NW (N)	739	2	384850 398820
442	**BGS Boreholes** BGS Reference: Sj89nw3515 Drilled Length (m): Not Supplied Borehole Name: Bloom Street/Abingdon Street 7 Link to Borehole Scan: Not Available	A12SW (SW)	739	2	384300 397770
442	**BGS Boreholes** BGS Reference: Sj89nw3514 Drilled Length (m): Not Supplied Borehole Name: Bloom Street/Abingdon Street 6 Link to Borehole Scan: Not Available	A12SW (W)	764	2	384260 397800
443	**BGS Boreholes** BGS Reference: Sj89nw297 Drilled Length (m): Not Supplied Borehole Name: No Details Link to Borehole Scan: Not Available	A12SW (SW)	739	2	384300 397770
444	**BGS Boreholes** BGS Reference: Sj89ne862 Drilled Length (m): 7.8 Borehole Name: Pin Mill Brow 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937279/	A14SE (SE)	740	2	385670 397760
444	**BGS Boreholes** BGS Reference: Sj89ne863 Drilled Length (m): 8 Borehole Name: Pin Mill Brow 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937280/	A14SE (SE)	785	2	385720 397760
444	**BGS Boreholes** BGS Reference: Sj89ne2499 Drilled Length (m): 2.89 Borehole Name: Manchester Tp3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425210/	A9NE (SE)	788	2	385710 397730
445	**BGS Boreholes** BGS Reference: Sj89ne645 Drilled Length (m): 15 Borehole Name: Lower Medlock Ucso 528 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937062/	A14SE (E)	741	2	385720 397910
445	**BGS Boreholes** BGS Reference: Sj89ne2473 Drilled Length (m): 20.87 Borehole Name: Manchester 1 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** BGS Reference: Sj89ne636 Drilled Length (m): 15 Borehole Name: Lower Medlock Ucso 529 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937053/	A14SE (E)	766	2	385750 397930
445	**BGS Boreholes** BGS Reference: Sj89ne635 Drilled Length (m): 17 Borehole Name: Lower Medlock Ucso 528a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937052/	A14SE (E)	772	2	385750 397900
446	**BGS Boreholes** BGS Reference: Sj89ne1030 Drilled Length (m): Not Supplied Borehole Name: Every Street Thf Link to Borehole Scan: Not Available	A14NE (E)	741	2	385740 398080
446	**BGS Boreholes** BGS Reference: Sj89ne1031 Drilled Length (m): Not Supplied Borehole Name: Every Street Thg Link to Borehole Scan: Not Available	A14NE (E)	761	2	385760 398090
447	**BGS Boreholes** BGS Reference: Sj89nw1556 Drilled Length (m): Not Supplied Borehole Name: Thomas Street High Street 6 Link to Borehole Scan: Not Available	A17SE (NW)	741	2	384460 398620
448	**BGS Boreholes** BGS Reference: Sj89ne2388 Drilled Length (m): 3 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester Tp46 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722684/	A18NE (NE)	743	2	385320 398760
449	**BGS Boreholes** BGS Reference: Sj89nw3596 Drilled Length (m): Not Supplied Borehole Name: George Street Sewer Replacement Scheme 1 Link to Borehole Scan: Not Available	A12NW (W)	744	2	384230 398160
450	**BGS Boreholes** BGS Reference: Sj89nw4118 Drilled Length (m): 90 Borehole Name: Origin Development, Bh 1 (Recharge) Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18108076/	A12SW (SW)	744	2	384306 397746
451	**BGS Boreholes** BGS Reference: Sj89nw1557 Drilled Length (m): Not Supplied Borehole Name: Thomas Street High Street 7 Link to Borehole Scan: Not Available	A17SE (NW)	756	2	384410 398590
452	**BGS Boreholes** BGS Reference: Sj89ne2378 Drilled Length (m): 14.8 Borehole Name: Ancoats Zone 1 Victoria Works Ancoats Manchester 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/17722668/	A19NW (NE)	756	2	385330 398770
453	**BGS Boreholes** BGS Reference: Sj89ne104 Drilled Length (m): 60.96 Borehole Name: Hugh Stevenson & Sons Ltd, Pollard Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936506/	A14NE (NE)	760	2	385700 398374
454	**BGS Boreholes** BGS Reference: Sj89ne2474 Drilled Length (m): 20.42 Borehole Name: Manchester 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425178/	A14SE (E)	769	2	385740 397870

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455	**BGS Boreholes** BGS Reference: Sj89nw3513 Drilled Length (m): Not Supplied Borehole Name: Bloom Street/Abingdon Street 5 Link to Borehole Scan: Not Available	A12SW (W)	775	2	384230 397850
456	**BGS Boreholes** BGS Reference: Sj89ne2018 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Bhd1 Link to Borehole Scan: Not Available	A14NE (NE)	776	2	385710 398390
457	**BGS Boreholes** BGS Reference: Sj89nw110 Drilled Length (m): 7.62 Borehole Name: Manchester Corp. Shooters Brook Relief Sewer Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042252/	A7NW (SW)	781	2	384297 397685
458	**BGS Boreholes** BGS Reference: Sj89ne23 Drilled Length (m): 4.11 Borehole Name: Manchester Corp. Palmerstone Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936424/	A14SE (E)	785	2	385775 397959
458	**BGS Boreholes** BGS Reference: Sj89ne638 Drilled Length (m): 1.2 Borehole Name: Lower Medlock Ucso 530a/Aa Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937055/	A14SE (E)	789	2	385780 397970
458	**BGS Boreholes** BGS Reference: Sj89ne637 Drilled Length (m): 10 Borehole Name: Lower Medlock Ucso 530 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937054/	A14SE (E)	805	2	385800 398000
459	**BGS Boreholes** BGS Reference: Sj89ne639 Drilled Length (m): 14.6 Borehole Name: Lower Medlock Ucso 530aaa Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937056/	A14SE (E)	787	2	385780 397980
460	**BGS Boreholes** BGS Reference: Sj89nw3597 Drilled Length (m): Not Supplied Borehole Name: George Street Sewer Replacement Scheme 2 Link to Borehole Scan: Not Available	A12NW (W)	790	2	384180 398100
461	**BGS Boreholes** BGS Reference: Sj89nw3605 Drilled Length (m): Not Supplied Borehole Name: Addington Street Improvement 4 Link to Borehole Scan: Not Available	A18NW (NW)	792	2	384650 398810
462	**BGS Boreholes** BGS Reference: Sj89ne109 Drilled Length (m): 64.01 Borehole Name: Gateshouse & Yates, Castle Brewery Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936511/	A9NW (SE)	796	2	385655 397617
463	**BGS Boreholes** BGS Reference: Sj89nw1237 Drilled Length (m): Not Supplied Borehole Name: Cluster 12 Oldham Road Manchester 3 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** BGS Reference: Sj89nw1320 Drilled Length (m): Not Supplied Borehole Name: Portland Street 4/4a Link to Borehole Scan: Not Available	A12SW (W)	798	2	384190 397910
465	**BGS Boreholes** BGS Reference: Sj89nw2905 Drilled Length (m): Not Supplied Borehole Name: Swan Street 2 Link to Borehole Scan: Not Available	A17NE (NW)	798	2	384550 398760
465	**BGS Boreholes** BGS Reference: Sj89nw2906 Drilled Length (m): Not Supplied Borehole Name: Swan Street 2a Link to Borehole Scan: Not Available	A17NE (NW)	798	2	384550 398760
466	**BGS Boreholes** BGS Reference: Sj89nw760 Drilled Length (m): Not Supplied Borehole Name: Thompson Street Manchester Bh4 Link to Borehole Scan: Not Available	A18NW (N)	798	2	384800 398870
466	**BGS Boreholes** BGS Reference: Sj89nw761 Drilled Length (m): Not Supplied Borehole Name: Thompson Street Manchester Bh5 Link to Borehole Scan: Not Available	A18NW (N)	803	2	384780 398870
467	**BGS Boreholes** BGS Reference: Sj89nw3621 Drilled Length (m): Not Supplied Borehole Name: Granby Row / Whitworth Street 4 Link to Borehole Scan: Not Available	A7NE (SW)	799	2	384330 397600
468	**BGS Boreholes** BGS Reference: Sj89nw3276 Drilled Length (m): Not Supplied Borehole Name: Galbraith Street Manchester Ob Link to Borehole Scan: Not Available	A7NW (SW)	802	2	384270 397690
469	**BGS Boreholes** BGS Reference: Sj89nw3622 Drilled Length (m): Not Supplied Borehole Name: Granby Row / Whitworth Street 5a Link to Borehole Scan: Not Available	A7NW (SW)	803	2	384280 397670
470	**BGS Boreholes** BGS Reference: Sj89ne2496 Drilled Length (m): 15.31 Borehole Name: Manchester R1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425205/	A14SE (SE)	803	2	385730 397740
470	**BGS Boreholes** BGS Reference: Sj89ne2476 Drilled Length (m): 17.22 Borehole Name: Manchester 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425182/	A9NE (SE)	843	2	385770 397730
470	**BGS Boreholes** BGS Reference: Sj89ne2477 Drilled Length (m): 26.51 Borehole Name: Manchester 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425184/	A9NE (SE)	851	2	385770 397710
470	**BGS Boreholes** BGS Reference: Sj89ne2478 Drilled Length (m): 28.95 Borehole Name: Manchester 6 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** BGS Reference: Sj89nw247 Drilled Length (m): 63.55 Borehole Name: Dunlop Rubber Co, Brook Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042401/	A7NE (SW)	806	2	384444 397459
472	**BGS Boreholes** BGS Reference: Sj89ne2498 Drilled Length (m): 1.37 Borehole Name: Manchester Tp2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425208/	A14SE (SE)	808	2	385740 397750
472	**BGS Boreholes** BGS Reference: Sj89ne2497 Drilled Length (m): 2.13 Borehole Name: Manchester Tp1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425207/	A14SE (E)	810	2	385750 397770
473	**BGS Boreholes** BGS Reference: Sj89nw9 Drilled Length (m): 8.23 Borehole Name: Manchester Corp. South Of London Road Station Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042151/	A7SE (SW)	809	2	384560 397368
473	**BGS Boreholes** BGS Reference: Sj89nw332 Drilled Length (m): 8.53 Borehole Name: Mancuman Way, No.11 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042498/	A7SE (SW)	821	2	384563 397352
473	**BGS Boreholes** BGS Reference: Sj89nw8 Drilled Length (m): 9.45 Borehole Name: Manchester Corp. South Of London Road Station Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042150/	A7SE (SW)	846	2	384545 397334
474	**BGS Boreholes** BGS Reference: Sj89nw342 Drilled Length (m): 15.85 Borehole Name: Barclay'S Bank, York Street. 3 Bh'S Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042520/	A12NW (W)	809	2	384180 398260
475	**BGS Boreholes** BGS Reference: Sj89nw1352 Drilled Length (m): 12.03 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 18 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043546/	A18NW (N)	809	2	384700 398850
476	**BGS Boreholes** BGS Reference: Sj89nw206 Drilled Length (m): 86.87 Borehole Name: Boardman & Co, Oak Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042349/	A17SE (NW)	811	2	384441 398697
477	**BGS Boreholes** BGS Reference: Sj89nw3707 Drilled Length (m): Not Supplied Borehole Name: Chinese Car Park Manchester 3 Link to Borehole Scan: Not Available	A12SW (W)	811	2	384160 398030
478	**BGS Boreholes** BGS Reference: Sj89ne2475 Drilled Length (m): 13.03 Borehole Name: Manchester 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425180/	A14SE (E)	818	2	385770 397800
479	**BGS Boreholes** BGS Reference: Sj89ne1046 Drilled Length (m): Not Supplied Borehole Name: Every Street Thx 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** BGS Reference: Sj89ne1032 Drilled Length (m): Not Supplied Borehole Name: Every Street Thh Link to Borehole Scan: Not Available	A14NE (E)	843	2	385830 398220
479	**BGS Boreholes** BGS Reference: Sj89ne1023 Drilled Length (m): Not Supplied Borehole Name: Every Street 2 Link to Borehole Scan: Not Available	A14NE (E)	850	2	385830 398260
480	**BGS Boreholes** BGS Reference: Sj89ne1974 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp D1 Link to Borehole Scan: Not Available	A14NE (NE)	830	2	385760 398410
481	**BGS Boreholes** BGS Reference: Sj89nw3706 Drilled Length (m): Not Supplied Borehole Name: Chinese Car Park Manchester 2 Link to Borehole Scan: Not Available	A12SW (W)	831	2	384140 398030
481	**BGS Boreholes** BGS Reference: Sj89nw3705 Drilled Length (m): Not Supplied Borehole Name: Chinese Car Park Manchester 1a Link to Borehole Scan: Not Available	A12SW (W)	832	2	384140 398020
481	**BGS Boreholes** BGS Reference: Sj89nw3598 Drilled Length (m): Not Supplied Borehole Name: George Street Sewer Replacement Scheme 3 Link to Borehole Scan: Not Available	A12SW (W)	843	2	384130 398010
481	**BGS Boreholes** BGS Reference: Sj89nw208 Drilled Length (m): Not Supplied Borehole Name: G.P.O. Manchester Link to Borehole Scan: Not Available	A12SW (W)	873	2	384098 398042
481	**BGS Boreholes** BGS Reference: Sj89nw3540 Drilled Length (m): Not Supplied Borehole Name: Athenaeum Link Bh3 Link to Borehole Scan: Not Available	A12SW (W)	892	2	384080 398020
481	**BGS Boreholes** BGS Reference: Sj89nw3539 Drilled Length (m): Not Supplied Borehole Name: Athenaeum Link Bh2 Link to Borehole Scan: Not Available	A12SW (W)	893	2	384080 398010
481	**BGS Boreholes** BGS Reference: Sj89nw3538 Drilled Length (m): Not Supplied Borehole Name: Athenaeum Link Bh1 Link to Borehole Scan: Not Available	A12SW (W)	902	2	384070 398010
482	**BGS Boreholes** BGS Reference: Sj89nw3572 Drilled Length (m): Not Supplied Borehole Name: Mosley Street Sewer Reconstruction 1 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** BGS Reference: Sj89nw759 Drilled Length (m): Not Supplied Borehole Name: Thompson Street Manchester Bh3 Link to Borehole Scan: Not Available	A18NW (N)	840	2	384750 398900
483	**BGS Boreholes** BGS Reference: Sj89nw758 Drilled Length (m): Not Supplied Borehole Name: Thompson Street Manchester Bh2 Link to Borehole Scan: Not Available	A18NW (N)	872	2	384740 398930
483	**BGS Boreholes** BGS Reference: Sj89nw757 Drilled Length (m): Not Supplied Borehole Name: Thompson Street Manchester Bh1 Link to Borehole Scan: Not Available	A18NW (N)	878	2	384720 398930
484	**BGS Boreholes** BGS Reference: Sj89nw3554 Drilled Length (m): Not Supplied Borehole Name: Church Street / High Street 2 Link to Borehole Scan: Not Available	A17SW (NW)	842	2	384250 398520
485	**BGS Boreholes** BGS Reference: Sj89ne619 Drilled Length (m): 2.1 Borehole Name: Lower Medlock Palmerston Street Tp32/A Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937036/	A14SE (E)	843	2	385840 398020
485	**BGS Boreholes** BGS Reference: Sj89ne620 Drilled Length (m): 2.1 Borehole Name: Lower Medlock Palmerston Street Tp32/B Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937037/	A14SE (E)	843	2	385840 398020
485	**BGS Boreholes** BGS Reference: Sj89ne24 Drilled Length (m): 6.1 Borehole Name: Manchester Corp. Palmerstone Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936425/	A14SE (E)	851	2	385849 398029
485	**BGS Boreholes** BGS Reference: Sj89ne616 Drilled Length (m): 2 Borehole Name: Lower Medlock Palmerston Street Tp30/A Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937033/	A14SE (E)	852	2	385850 398030
485	**BGS Boreholes** BGS Reference: Sj89ne617 Drilled Length (m): 2.6 Borehole Name: Lower Medlock Palmerston Street Tp30/B Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937034/	A14SE (E)	852	2	385850 398030
485	**BGS Boreholes** BGS Reference: Sj89ne618 Drilled Length (m): 3.3 Borehole Name: Lower Medlock Palmerston Street Tp31 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937035/	A14SE (E)	852	2	385850 398030
485	**BGS Boreholes** BGS Reference: Sj89ne615 Drilled Length (m): 10 Borehole Name: Lower Medlock Palmerston Street 531e Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937032/	A14SE (E)	853	2	385850 398020
485	**BGS Boreholes** BGS Reference: Sj89ne621 Drilled Length (m): 2 Borehole Name: Lower Medlock Palmerston Street Tp33/A 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** BGS Reference: Sj89ne622 Drilled Length (m): 2 Borehole Name: Lower Medlock Palmerston Street Tp33/B Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937039/	A14SE (E)	853	2	385850 398020
485	**BGS Boreholes** BGS Reference: Sj89ne623 Drilled Length (m): 3.9 Borehole Name: Lower Medlock Palmerston Street Tp34 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937040/	A14SE (E)	853	2	385850 398020
486	**BGS Boreholes** BGS Reference: Sj89ne31 Drilled Length (m): 9.3 Borehole Name: Manchester Corp. Corner Of Webster Place & Kirk St Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936432/	A14NE (E)	845	2	385841 398148
487	**BGS Boreholes** BGS Reference: Sj89nw1356 Drilled Length (m): 8.07 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 22 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043550/	A18NW (N)	846	2	384950 398940
488	**BGS Boreholes** BGS Reference: Sj89nw2011 Drilled Length (m): Not Supplied Borehole Name: Obelisk, Market St. 1 Link to Borehole Scan: Not Available	A17SW (NW)	850	2	384190 398420
489	**BGS Boreholes** BGS Reference: Sj89ne1297 Drilled Length (m): Not Supplied Borehole Name: Every Street 5 Link to Borehole Scan: Not Available	A14NE (E)	850	2	385820 398300
489	**BGS Boreholes** BGS Reference: Sj89ne1045 Drilled Length (m): Not Supplied Borehole Name: Every Street Thw Link to Borehole Scan: Not Available	A14NE (E)	889	2	385860 398300
490	**BGS Boreholes** BGS Reference: Sj89ne29 Drilled Length (m): 7.62 Borehole Name: Manchester Corp. Tutbury Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936430/	A14NE (E)	851	2	385850 398094
490	**BGS Boreholes** BGS Reference: Sj89ne640 Drilled Length (m): 10 Borehole Name: Lower Medlock Ucso 531 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937057/	A14NE (E)	881	2	385880 398080
490	**BGS Boreholes** BGS Reference: Sj89ne643 Drilled Length (m): 10 Borehole Name: Lower Medlock Ucso 531c Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937060/	A14SE (E)	891	2	385890 398070
491	**BGS Boreholes** BGS Reference: Sj89ne644 Drilled Length (m): 15.2 Borehole Name: Lower Medlock Ucso 531d/Dd Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937061/	A14SE (E)	852	2	385850 398040
492	**BGS Boreholes** BGS Reference: Sj89ne106 Drilled Length (m): 56.24 Borehole Name: Ancoats Vale Print Works Palmerstone Street 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** BGS Reference: Sj89nw1553 Drilled Length (m): Not Supplied Borehole Name: Thomas Street High Street 3 Link to Borehole Scan: Not Available	A17SE (NW)	854	2	384350 398670
493	**BGS Boreholes** BGS Reference: Sj89nw1555 Drilled Length (m): Not Supplied Borehole Name: Thomas Street High Street 5 Link to Borehole Scan: Not Available	A17SE (NW)	854	2	384370 398690
493	**BGS Boreholes** BGS Reference: Sj89nw1551 Drilled Length (m): Not Supplied Borehole Name: Thomas Street High Street 1 Link to Borehole Scan: Not Available	A17SE (NW)	896	2	384330 398710
493	**BGS Boreholes** BGS Reference: Sj89nw1552 Drilled Length (m): Not Supplied Borehole Name: Thomas Street High Street 2 Link to Borehole Scan: Not Available	A17SW (NW)	925	2	384290 398710
493	**BGS Boreholes** BGS Reference: Sj89nw2006 Drilled Length (m): Not Supplied Borehole Name: Shude Hill Withy Grove Sewer Replacement 6 Link to Borehole Scan: Not Available	A17SE (NW)	939	2	384310 398750
494	**BGS Boreholes** BGS Reference: Sj89nw248 Drilled Length (m): 76.5 Borehole Name: Dunlop Rubber Co, Brook Street 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042402/	A7SE (SW)	857	2	384446 397390
495	**BGS Boreholes** BGS Reference: Sj89ne652 Drilled Length (m): 12 Borehole Name: Cluster 12 Oldham Road Manchester 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937069/	A18NE (N)	858	2	385060 398950
496	**BGS Boreholes** BGS Reference: Sj89nw3484 Drilled Length (m): 4.5 Borehole Name: India House Whitworth Street 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045678/	A7NW (SW)	858	2	384240 397630
496	**BGS Boreholes** BGS Reference: Sj89nw3485 Drilled Length (m): 4.3 Borehole Name: India House Whitworth Street 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045679/	A7NW (SW)	862	2	384230 397640
496	**BGS Boreholes** BGS Reference: Sj89nw3481 Drilled Length (m): 5.5 Borehole Name: India House Whitworth Street 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045675/	A7NW (SW)	872	2	384230 397620
496	**BGS Boreholes** BGS Reference: Sj89nw663 Drilled Length (m): 7.1 Borehole Name: Whitworth St Manchester 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042857/	A7NW (SW)	874	2	384210 397650
496	**BGS Boreholes** BGS Reference: Sj89nw3486 Drilled Length (m): 4.6 Borehole Name: India House Whitworth Street 6 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045680/	A7NW (SW)	875	2	384220 397630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
496	**BGS Boreholes** BGS Reference: Sj89nw3487 Drilled Length (m): 6.5 Borehole Name: India House Whitworth Street 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045681/	A7NW (SW)	889	2	384210 397620
496	**BGS Boreholes** BGS Reference: Sj89nw3482 Drilled Length (m): 6.5 Borehole Name: India House Whitworth Street 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045676/	A7NW (SW)	894	2	384210 397610
496	**BGS Boreholes** BGS Reference: Sj89nw3488 Drilled Length (m): 7.5 Borehole Name: India House Whitworth Street 8 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045682/	A7NW (SW)	911	2	384190 397610
497	**BGS Boreholes** BGS Reference: Sj89nw16 Drilled Length (m): 12.19 Borehole Name: Manchester Corp. Corner Of Greek Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042158/	A7SE (SW)	859	2	384560 397310
498	**BGS Boreholes** BGS Reference: Sj89nw3281 Drilled Length (m): 196.6 Borehole Name: Post Office George St. Manchester Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045475/	A12SW (W)	864	2	384110 398000
499	**BGS Boreholes** BGS Reference: Sj89ne1033 Drilled Length (m): Not Supplied Borehole Name: Every Street Thj Link to Borehole Scan: Not Available	A14NE (E)	866	2	385850 398240
499	**BGS Boreholes** BGS Reference: Sj89ne1034 Drilled Length (m): Not Supplied Borehole Name: Every Street Thk Link to Borehole Scan: Not Available	A14NE (E)	872	2	385860 398220
499	**BGS Boreholes** BGS Reference: Sj89ne1036 Drilled Length (m): Not Supplied Borehole Name: Every Street Thm Link to Borehole Scan: Not Available	A14NE (E)	886	2	385870 398240
499	**BGS Boreholes** BGS Reference: Sj89ne1035 Drilled Length (m): Not Supplied Borehole Name: Every Street Thl Link to Borehole Scan: Not Available	A14NE (E)	889	2	385880 398200
499	**BGS Boreholes** BGS Reference: Sj89ne1037 Drilled Length (m): Not Supplied Borehole Name: Every Street Thn Link to Borehole Scan: Not Available	A14NE (E)	889	2	385870 398260
499	**BGS Boreholes** BGS Reference: Sj89ne1025 Drilled Length (m): Not Supplied Borehole Name: Every Street 4 Link to Borehole Scan: Not Available	A14NE (E)	904	2	385890 398230
500	**BGS Boreholes** BGS Reference: Sj89nw3555 Drilled Length (m): Not Supplied Borehole Name: Church Street / High Street 3 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** BGS Reference: Sj89nw661 Drilled Length (m): 7.3 Borehole Name: Whitworth St Manchester 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042855/	A7NW (SW)	868	2	384200 397680
501	**BGS Boreholes** BGS Reference: Sj89nw662 Drilled Length (m): 7.5 Borehole Name: Whitworth St Manchester 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042856/	A7NW (SW)	910	2	384180 397630
501	**BGS Boreholes** BGS Reference: Sj89nw660 Drilled Length (m): 7.3 Borehole Name: Whitworth St Manchester 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042854/	A7NW (SW)	913	2	384160 397660
502	**BGS Boreholes** BGS Reference: Sj89ne108 Drilled Length (m): 78.64 Borehole Name: Crabstree & Dye Works, Limekiln Lane 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936510/	A14SE (E)	869	2	385819 397787
503	**BGS Boreholes** BGS Reference: Sj89ne717 Drilled Length (m): 2.3 Borehole Name: Ardwick Green Tp8a Link to Borehole Scan: Not Available	A8SE (S)	873	2	385100 397190
503	**BGS Boreholes** BGS Reference: Sj89ne712 Drilled Length (m): 4.4 Borehole Name: Ardwick Green Manchester 12 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937129/	A8SE (S)	885	2	385110 397180
503	**BGS Boreholes** BGS Reference: Sj89ne716 Drilled Length (m): 1.2 Borehole Name: Ardwick Green Tp8 Link to Borehole Scan: Not Available	A8SE (S)	885	2	385110 397180
504	**BGS Boreholes** BGS Reference: Sj89nw343 Drilled Length (m): 15 Borehole Name: High Street Manchester 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042521/	A17SW (NW)	875	2	384180 398460
505	**BGS Boreholes** BGS Reference: Sj89ne2479 Drilled Length (m): 17.01 Borehole Name: Manchester 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425186/	A9NE (SE)	878	2	385770 397650
505	**BGS Boreholes** BGS Reference: Sj89ne2481 Drilled Length (m): 23.77 Borehole Name: Manchester 8a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425189/	A9NE (SE)	902	2	385770 397600
506	**BGS Boreholes** BGS Reference: Sj89ne714 Drilled Length (m): 3.1 Borehole Name: Ardwick Green Tp6 Link to Borehole Scan: Not Available	A8SE (S)	881	2	385080 397180
506	**BGS Boreholes** BGS Reference: Sj89ne718 Drilled Length (m): 3 Borehole Name: Ardwick Green Tp9 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** BGS Reference: Sj89ne713 Drilled Length (m): 3.5 Borehole Name: Ardwick Green Manchester Tp 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937130/	A8SE (S)	899	2	385060 397160
506	**BGS Boreholes** BGS Reference: Sj89ne711 Drilled Length (m): 3.6 Borehole Name: Ardwick Green Manchester 11 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937128/	A8SE (S)	901	2	385080 397160
506	**BGS Boreholes** BGS Reference: Sj89ne715 Drilled Length (m): 1.8 Borehole Name: Ardwick Green Tp7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937132/	A8SE (S)	901	2	385080 397160
506	**BGS Boreholes** BGS Reference: Sj89ne710 Drilled Length (m): 4.2 Borehole Name: Ardwick Green Manchester 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937127/	A8SE (S)	909	2	385060 397150
506	**BGS Boreholes** BGS Reference: Sj89ne719 Drilled Length (m): 3.3 Borehole Name: Ardwick Green Tp10 Link to Borehole Scan: Not Available	A8SE (S)	910	2	385070 397150
507	**BGS Boreholes** BGS Reference: Sj89nw1554 Drilled Length (m): Not Supplied Borehole Name: Thomas Street High Street 4 Link to Borehole Scan: Not Available	A17SW (NW)	881	2	384280 398630
508	**BGS Boreholes** BGS Reference: Sj89nw3625 Drilled Length (m): Not Supplied Borehole Name: Fountain Street Main Drainage 3 Link to Borehole Scan: Not Available	A12NW (W)	884	2	384100 398240
509	**BGS Boreholes** BGS Reference: Sj89ne107 Drilled Length (m): 57.91 Borehole Name: Crabstree & Dye Works, Limekiln Lane 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936509/	A14SE (E)	887	2	385862 397876
510	**BGS Boreholes** BGS Reference: Sj89nw1319 Drilled Length (m): Not Supplied Borehole Name: Portland Street 3 Link to Borehole Scan: Not Available	A12SW (W)	888	2	384110 397860
511	**BGS Boreholes** BGS Reference: Sj89nw3656 Drilled Length (m): 11 Borehole Name: Portlands Street Nw Telecoms Board Hq 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045850/	A12SW (W)	888	2	384100 397900
511	**BGS Boreholes** BGS Reference: Sj89nw3657 Drilled Length (m): 10.5 Borehole Name: Portlands Street Nw Telecoms Board Hq 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045851/	A12SW (W)	888	2	384100 397900
511	**BGS Boreholes** BGS Reference: Sj89nw3658 Drilled Length (m): 11.5 Borehole Name: Portlands Street Nw Telecoms Board Hq 3 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** BGS Reference: Sj89nw3659 Drilled Length (m): 10.2 Borehole Name: Portlands Street Nw Telecoms Board Hq 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045853/	A12SW (W)	888	2	384100 397900
511	**BGS Boreholes** BGS Reference: Sj89nw3660 Drilled Length (m): 11.5 Borehole Name: Portlands Street Nw Telecoms Board Hq 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045854/	A12SW (W)	888	2	384100 397900
511	**BGS Boreholes** BGS Reference: Sj89nw3662 Drilled Length (m): 10.3 Borehole Name: Portlands Street Nw Telecoms Board Hq 7 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045856/	A12SW (W)	888	2	384100 397900
511	**BGS Boreholes** BGS Reference: Sj89nw3663 Drilled Length (m): 10.5 Borehole Name: Portlands Street Nw Telecoms Board Hq 8 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045857/	A12SW (W)	888	2	384100 397900
511	**BGS Boreholes** BGS Reference: Sj89nw3665 Drilled Length (m): 11 Borehole Name: Portlands Street Nw Telecoms Board Hq 10 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045859/	A12SW (W)	888	2	384100 397900
511	**BGS Boreholes** BGS Reference: Sj89nw3666 Drilled Length (m): 11 Borehole Name: Portlands Street Nw Telecoms Board Hq 11 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045860/	A12SW (W)	888	2	384100 397900
511	**BGS Boreholes** BGS Reference: Sj89nw3661 Drilled Length (m): 10.2 Borehole Name: Portlands Street Nw Telecoms Board Hq 6 Link to Borehole Scan: Not Available	A12SW (W)	888	2	384100 397900
511	**BGS Boreholes** BGS Reference: Sj89nw3667 Drilled Length (m): 10.8 Borehole Name: Portlands Street Nw Telecoms Board Hq 12 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045861/	A12SW (W)	888	2	384100 397900
512	**BGS Boreholes** BGS Reference: Sj89nw3664 Drilled Length (m): 9.8 Borehole Name: Portlands Street Nw Telecoms Board Hq 9 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045858/	A12SW (W)	888	2	384100 397900
513	**BGS Boreholes** BGS Reference: Sj89nw3573 Drilled Length (m): Not Supplied Borehole Name: Mosley Street Sewer Reconstruction 2 Link to Borehole Scan: Not Available	A12NW (W)	890	2	384080 398110
514	**BGS Boreholes** BGS Reference: Sj89ne32 Drilled Length (m): 7.32 Borehole Name: Manchester Corp. Corner Of Kirk St & Junction St Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936433/	A14NE (E)	895	2	385877 398253
514	**BGS Boreholes** BGS Reference: Sj89ne2390 Drilled Length (m): 6.5 Borehole Name: Every Street, Ancoats 2. 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** BGS Reference: Sj89nw1353 Drilled Length (m): 11.12 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 19 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043547/	A17NE (NW)	904	2	384600 398910
516	**BGS Boreholes** BGS Reference: Sj89nw3604 Drilled Length (m): Not Supplied Borehole Name: Addington Street Improvement 3 Link to Borehole Scan: Not Available	A17NE (NW)	904	2	384560 398890
517	**BGS Boreholes** BGS Reference: Sj89nw3483 Drilled Length (m): 6.7 Borehole Name: India House Whitworth Street 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1045677/	A7NW (SW)	908	2	384200 397600
518	**BGS Boreholes** BGS Reference: Sj89nw3599 Drilled Length (m): Not Supplied Borehole Name: George Street Sewer Replacement Scheme 4 Link to Borehole Scan: Not Available	A12SW (W)	908	2	384070 397960
519	**BGS Boreholes** BGS Reference: Sj89ne992 Drilled Length (m): Not Supplied Borehole Name: Every Street Sewer Replacement 6a Link to Borehole Scan: Not Available	A14NE (E)	909	2	385870 398340
519	**BGS Boreholes** BGS Reference: Sj89ne1044 Drilled Length (m): Not Supplied Borehole Name: Every Street Thv Link to Borehole Scan: Not Available	A14NE (E)	916	2	385880 398330
519	**BGS Boreholes** BGS Reference: Sj89ne991 Drilled Length (m): Not Supplied Borehole Name: Every Street Sewer Replacement Tp6 Link to Borehole Scan: Not Available	A14NE (E)	921	2	385880 398350
519	**BGS Boreholes** BGS Reference: Sj89ne1298 Drilled Length (m): Not Supplied Borehole Name: Every Street 6 Link to Borehole Scan: Not Available	A14NE (E)	924	2	385880 398360
519	**BGS Boreholes** BGS Reference: Sj89ne1024 Drilled Length (m): Not Supplied Borehole Name: Every Street 3 Link to Borehole Scan: Not Available	A14NE (E)	941	2	385900 398350
520	**BGS Boreholes** BGS Reference: Sj89nw7 Drilled Length (m): 12.19 Borehole Name: Manchester Corp. South Of London Road Station Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042149/	A7SE (SW)	910	2	384593 397235
520	**BGS Boreholes** BGS Reference: Sj89nw6 Drilled Length (m): 17.98 Borehole Name: Manchester Corp. Corner Of Greek Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042148/	A7SE (SW)	924	2	384605 397214
521	**BGS Boreholes** BGS Reference: Sj89ne1038 Drilled Length (m): Not Supplied Borehole Name: Every Street Thp 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** BGS Reference: Sj89ne1039 Drilled Length (m): Not Supplied Borehole Name: Every Street Thq Link to Borehole Scan: Not Available	A14NE (E)	919	2	385900 398260
521	**BGS Boreholes** BGS Reference: Sj89ne1026 Drilled Length (m): Not Supplied Borehole Name: Every Street 5 Link to Borehole Scan: Not Available	A14NE (E)	927	2	385900 398300
521	**BGS Boreholes** BGS Reference: Sj89ne1040 Drilled Length (m): Not Supplied Borehole Name: Every Street Thr Link to Borehole Scan: Not Available	A14NE (E)	942	2	385920 398280
521	**BGS Boreholes** BGS Reference: Sj89ne990 Drilled Length (m): Not Supplied Borehole Name: Every Street Sewer Replacement 5 Link to Borehole Scan: Not Available	A14NE (E)	945	2	385920 398290
521	**BGS Boreholes** BGS Reference: Sj89ne1043 Drilled Length (m): Not Supplied Borehole Name: Every Street Thu Link to Borehole Scan: Not Available	A14NE (E)	957	2	385920 398340
521	**BGS Boreholes** BGS Reference: Sj89ne1042 Drilled Length (m): Not Supplied Borehole Name: Every Street Tht Link to Borehole Scan: Not Available	A14NE (E)	961	2	385930 398320
521	**BGS Boreholes** BGS Reference: Sj89ne1027 Drilled Length (m): Not Supplied Borehole Name: Every Street 6 Link to Borehole Scan: Not Available	A14NE (E)	988	2	385960 398310
522	**BGS Boreholes** BGS Reference: Sj89ne2480 Drilled Length (m): 10.66 Borehole Name: Manchester 8 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425187/	A9NE (SE)	911	2	385780 397600
523	**BGS Boreholes** BGS Reference: Sj89ne2482 Drilled Length (m): 4.11 Borehole Name: Manchester 9 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425190/	A9NE (SE)	912	2	385750 397550
524	**BGS Boreholes** BGS Reference: Sj89ne25 Drilled Length (m): 6.4 Borehole Name: Manchester Corp. Palmerstone Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936426/	A14NE (E)	915	2	385914 398104
524	**BGS Boreholes** BGS Reference: Sj89ne2389 Drilled Length (m): 5 Borehole Name: Every Street, Ancoats 1. Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18018790/	A14NE (E)	920	2	385916 398158
524	**BGS Boreholes** BGS Reference: Sj89ne642 Drilled Length (m): 5 Borehole Name: Lower Medlock Ucso 531b 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** BGS Reference: Sj89ne1975 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp D2 Link to Borehole Scan: Not Available	A19SE (NE)	915	2	385840 398440
526	**BGS Boreholes** BGS Reference: Sj89nw3624 Drilled Length (m): Not Supplied Borehole Name: Fountain Street Main Drainage 2 Link to Borehole Scan: Not Available	A12NW (W)	916	2	384060 398190
527	**BGS Boreholes** BGS Reference: Sj89ne651 Drilled Length (m): 12 Borehole Name: Cluster 12 Oldham Road Manchester 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937068/	A18NE (N)	919	2	385150 399000
528	**BGS Boreholes** BGS Reference: Sj89ne62 Drilled Length (m): 13.41 Borehole Name: Manchester Corp. Beswick Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936463/	A19SE (NE)	920	2	385737 398632
529	**BGS Boreholes** BGS Reference: Sj89nw296 Drilled Length (m): Not Supplied Borehole Name: No Details Link to Borehole Scan: Not Available	A12SW (W)	922	2	384080 397840
530	**BGS Boreholes** BGS Reference: Sj89ne68 Drilled Length (m): 9.45 Borehole Name: Manchester Corp. Russel Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936469/	A14NE (E)	929	2	385881 398373
531	**BGS Boreholes** BGS Reference: Sj89ne2483 Drilled Length (m): 4.11 Borehole Name: Manchester 10 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425191/	A9NE (SE)	932	2	385730 397490
532	**BGS Boreholes** BGS Reference: Sj89ne2486 Drilled Length (m): 6.09 Borehole Name: Manchester 14a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425194/	A9SW (SE)	933	2	385620 397370
533	**BGS Boreholes** BGS Reference: Sj89nw3970 Drilled Length (m): 21.33 Borehole Name: Spring Gardens, Manchester 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15634879/	A12NW (W)	935	2	384069 398334
533	**BGS Boreholes** BGS Reference: Sj89nw3972 Drilled Length (m): 19.2 Borehole Name: Spring Gardens, Manchester 4 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15634881/	A12NW (W)	943	2	384051 398295
533	**BGS Boreholes** BGS Reference: Sj89nw3971 Drilled Length (m): 13.1 Borehole Name: Spring Gardens, Manchester 3 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** BGS Reference: Sj89nw3969 Drilled Length (m): 17.98 Borehole Name: Spring Gardens, Manchester 1 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15634876/	A12NW (W)	967	2	384038 398343
533	**BGS Boreholes** BGS Reference: Sj89nw3973 Drilled Length (m): 15.24 Borehole Name: Spring Gardens, Manchester 5 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/15634883/	A12NW (W)	974	2	384023 398310
534	**BGS Boreholes** BGS Reference: Sj89ne69 Drilled Length (m): 7.16 Borehole Name: Manchester Corp. Russel Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936470/	A14NE (E)	939	2	385913 398297
534	**BGS Boreholes** BGS Reference: Sj89ne2391 Drilled Length (m): 8.5 Borehole Name: Every Street, Ancoats 3. Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18018792/	A14NE (E)	956	2	385927 398308
535	**BGS Boreholes** BGS Reference: Sj89ne177 Drilled Length (m): 12.19 Borehole Name: Rodney Street Development 2 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936582/	A18NE (N)	939	2	385240 399000
536	**BGS Boreholes** BGS Reference: Sj89ne2485 Drilled Length (m): 6.09 Borehole Name: Manchester 12a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425193/	A9SE (SE)	939	2	385660 397400
536	**BGS Boreholes** BGS Reference: Sj89ne2484 Drilled Length (m): 6.09 Borehole Name: Manchester 11 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425192/	A9NE (SE)	940	2	385690 397430
537	**BGS Boreholes** BGS Reference: Sj89ne641 Drilled Length (m): 15.03 Borehole Name: Lower Medlock Ucso 531a Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937058/	A14NE (E)	941	2	385940 398110
538	**BGS Boreholes** BGS Reference: Sj89nw3623 Drilled Length (m): Not Supplied Borehole Name: Fountain Street Main Drainage 1 Link to Borehole Scan: Not Available	A12NW (W)	943	2	384030 398160
538	**BGS Boreholes** BGS Reference: Sj89nw3547 Drilled Length (m): Not Supplied Borehole Name: Clarence Street / Booth Street / Bow Lane 4 Link to Borehole Scan: Not Available	A12NW (W)	960	2	384010 398120
539	**BGS Boreholes** BGS Reference: Sj89nw374 Drilled Length (m): Not Supplied Borehole Name: Thompson St Manchester 3 Link to Borehole Scan: Not Available	A18NW (N)	947	2	384722 399003
539	**BGS Boreholes** BGS Reference: Sj89nw375 Drilled Length (m): Not Supplied Borehole Name: Thompson St Manchester 4 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** BGS Reference: Sj89nw3602 Drilled Length (m): Not Supplied Borehole Name: Addington Street Improvement 1 Link to Borehole Scan: Not Available	A17NE (NW)	947	2	384460 398880
540	**BGS Boreholes** BGS Reference: Sj89nw2007 Drilled Length (m): Not Supplied Borehole Name: Shude Hill Withy Grove Sewer Replacement 7 Link to Borehole Scan: Not Available	A17NE (NW)	948	2	384400 398840
540	**BGS Boreholes** BGS Reference: Sj89nw1344 Drilled Length (m): Not Supplied Borehole Name: Miller Street 3 Link to Borehole Scan: Not Available	A17NE (NW)	975	2	384410 398880
541	**BGS Boreholes** BGS Reference: Sj89ne114 Drilled Length (m): 78.64 Borehole Name: Brehams Chancery Road Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936519/	A9NE (SE)	950	2	385728 397458
542	**BGS Boreholes** BGS Reference: Sj89nw108 Drilled Length (m): 6.71 Borehole Name: Manchester Corp. K.Sewer Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042250/	A7NW (SW)	951	2	384241 397465
543	**BGS Boreholes** BGS Reference: Sj89nw3574 Drilled Length (m): Not Supplied Borehole Name: Mosley Street Sewer Reconstruction 3 Link to Borehole Scan: Not Available	A12SW (W)	951	2	384020 398030
544	**BGS Boreholes** BGS Reference: Sj89nw3606 Drilled Length (m): Not Supplied Borehole Name: Grosvenor Street 1 Link to Borehole Scan: Not Available	A7SE (SW)	952	2	384570 397200
544	**BGS Boreholes** BGS Reference: Sj89nw2012 Drilled Length (m): Not Supplied Borehole Name: Lower Medlock Ucso'S 1 Link to Borehole Scan: Not Available	A7SE (SW)	961	2	384570 397190
545	**BGS Boreholes** BGS Reference: Sj89nw28 Drilled Length (m): 25.91 Borehole Name: Manchester Corp. Rochdale Road Sewer Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042170/	A17NE (NW)	953	2	384457 398885
546	**BGS Boreholes** BGS Reference: Sj89ne178 Drilled Length (m): 30.48 Borehole Name: Rodney Street Development 3 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936583/	A18NE (N)	956	2	385230 399020
547	**BGS Boreholes** BGS Reference: Sj89nw2005 Drilled Length (m): Not Supplied Borehole Name: Shude Hill Withy Grove Sewer Replacement 5 Link to Borehole Scan: Not Available	A17SW (NW)	956	2	384240 398700
548	**BGS Boreholes** BGS Reference: Sj89nw244 Drilled Length (m): 30.78 Borehole Name: Refuge Assurance Co Ltd, Oxford Road 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** BGS Reference: Sj89nw1354 Drilled Length (m): 11.12 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 20 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1043548/	A17NE (NW)	962	2	384570 398960
549	**BGS Boreholes** BGS Reference: Sj89nw27 Drilled Length (m): 23.16 Borehole Name: Manchester Corp. Newtown Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042169/	A17NE (NW)	977	2	384587 398984
550	**BGS Boreholes** BGS Reference: Sj89ne704 Drilled Length (m): 9.29 Borehole Name: Inner Ring Road Section 2 Phase 1 Manchester 23 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/937121/	A18NE (N)	965	2	385000 399060
551	**BGS Boreholes** BGS Reference: Sj89nw1318 Drilled Length (m): Not Supplied Borehole Name: Portland Street 2 Link to Borehole Scan: Not Available	A12SW (W)	965	2	384050 397790
552	**BGS Boreholes** BGS Reference: Sj89ne2487 Drilled Length (m): 6.09 Borehole Name: Manchester 16 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425195/	A9SW (SE)	965	2	385600 397310
553	**BGS Boreholes** BGS Reference: Sj89ne117 Drilled Length (m): Not Supplied Borehole Name: Manchester Dairy Co Park Place Link to Borehole Scan: Not Available	A9SW (SE)	968	2	385504 397238
554	**BGS Boreholes** BGS Reference: Sj89ne2488 Drilled Length (m): 4.11 Borehole Name: Manchester 17 Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18425196/	A9SW (SE)	973	2	385560 397270
555	**BGS Boreholes** BGS Reference: Sj89ne1976 Drilled Length (m): Not Supplied Borehole Name: Manchester Metro Phase 3 Extension To Commonwealth Wealth Games Stadium Tp D3 Link to Borehole Scan: Not Available	A19SE (E)	974	2	385900 398450
556	**BGS Boreholes** BGS Reference: Sj89ne2392 Drilled Length (m): 9 Borehole Name: Every Street, Ancoats 4. Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18018793/	A14NE (E)	978	2	385961 398257
557	**BGS Boreholes** BGS Reference: Sj89ne63 Drilled Length (m): 13.72 Borehole Name: Manchester Corp. Beswick Street Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936464/	A19SE (NE)	980	2	385848 398570
558	**BGS Boreholes** BGS Reference: Sj89ne110 Drilled Length (m): 91.44 Borehole Name: Richard Whittaker & Co Ltd, Midland Street 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** BGS Reference: Sj89ne190 Drilled Length (m): 36.58 Borehole Name: Livesey Street 6 Rodney Street Site Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/936595/	A18NE (N)	982	2	385287 399031
560	**BGS Boreholes** BGS Reference: Sj89nw3603 Drilled Length (m): Not Supplied Borehole Name: Addington Street Improvement 2 Link to Borehole Scan: Not Available	A17NE (NW)	982	2	384490 398940
561	**BGS Boreholes** BGS Reference: Sj89nw109 Drilled Length (m): 11.58 Borehole Name: Manchester Corp. D.Sewer Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/1042251/	A7NW (SW)	986	2	384118 397585
562	**BGS Boreholes** BGS Reference: Sj89nw1407 Drilled Length (m): Not Supplied Borehole Name: Booth Street Manchester 1 Link to Borehole Scan: Not Available	A12NW (W)	987	2	383990 398200
562	**BGS Boreholes** BGS Reference: Sj89nw1408 Drilled Length (m): Not Supplied Borehole Name: Booth Street Manchester 2 Link to Borehole Scan: Not Available	A12NW (W)	987	2	383990 398200
562	**BGS Boreholes** BGS Reference: Sj89nw1409 Drilled Length (m): Not Supplied Borehole Name: Booth Street Manchester 3 Link to Borehole Scan: Not Available	A12NW (W)	987	2	383990 398200
562	**BGS Boreholes** BGS Reference: Sj89nw1410 Drilled Length (m): Not Supplied Borehole Name: Booth Street Manchester 4 Link to Borehole Scan: Not Available	A12NW (W)	987	2	383990 398200
562	**BGS Boreholes** BGS Reference: Sj89nw3548 Drilled Length (m): Not Supplied Borehole Name: Clarence Street / Booth Street / Bow Lane 5 Link to Borehole Scan: Not Available	A12NW (W)	993	2	383980 398170
562	**BGS Boreholes** BGS Reference: Sj89nw954 Drilled Length (m): Not Supplied Borehole Name: 52-58 Brown Street Manchester 1 Link to Borehole Scan: Not Available	A12NW (W)	995	2	383980 398190
563	**BGS Boreholes** BGS Reference: Sj89ne2393 Drilled Length (m): 6.5 Borehole Name: Every Street, Ancoats 5. Link to Borehole Scan: http://scans.bgs.ac.uk/sobi_scans/boreholes/18018794/	A14NE (E)	987	2	385944 398364
564	**BGS Boreholes** BGS Reference: Sj89nw2017 Drilled Length (m): Not Supplied Borehole Name: Umist/Mmu Joint Sports Facility 5 Link to Borehole Scan: Not Available	A7SE (SW)	988	2	384460 397220
564	**BGS Boreholes** BGS Reference: Sj89nw3489 Drilled Length (m): Not Supplied Borehole Name: York Street Latumist Centre 1 Link to Borehole Scan: Not Available	A7SE (SW)	996	2	384430 397230

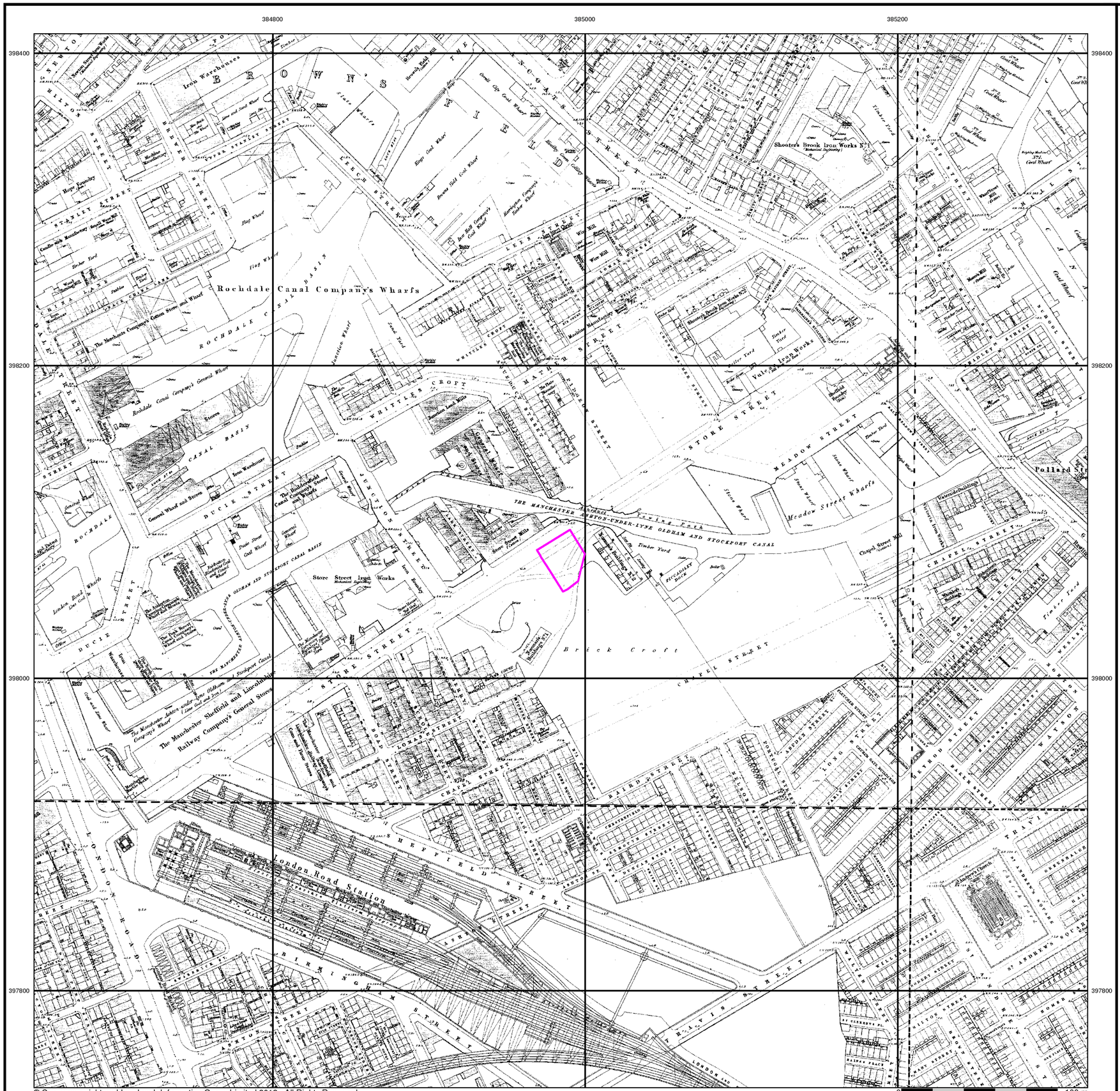
BGS Boreholes Detail

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

Data Currency and Contact Details

BGS Boreholes	Version	Update Cycle
BGS Boreholes British Geological Survey - National Geoscience Information Service	August 2014	Quarterly

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



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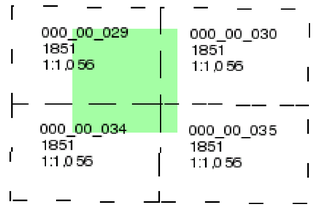
Published 1851

Source map scale - 1:1,056

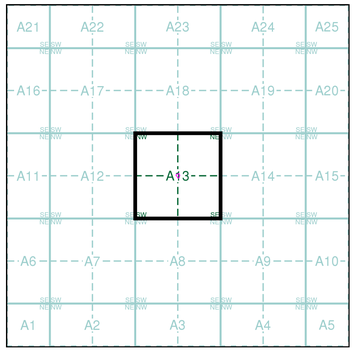
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the 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

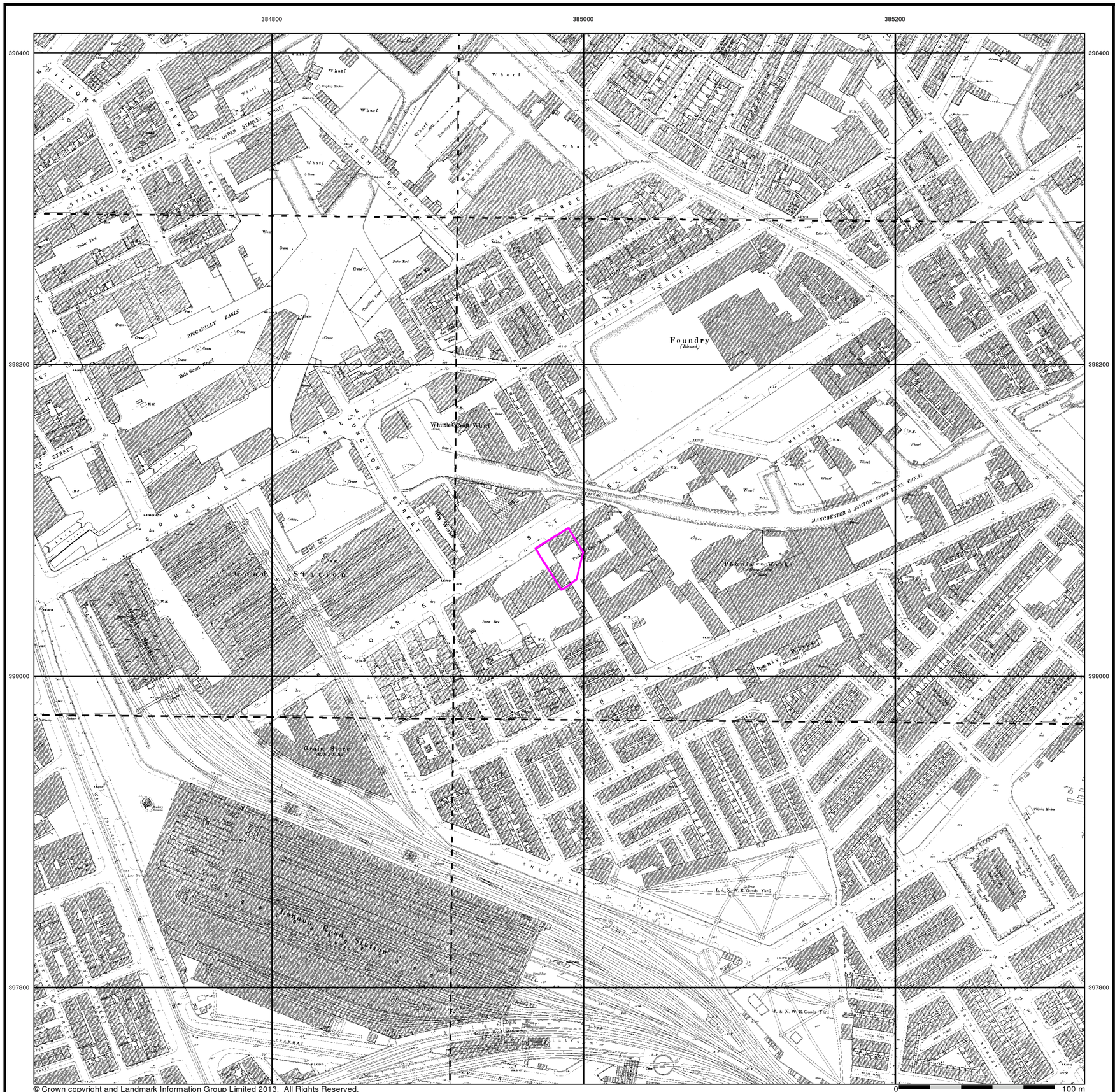
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National Grid Reference:	384990, 398080
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	0

Site Details

Site at 384980, 398080

Landmark Information Group

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Lancashire And Furness

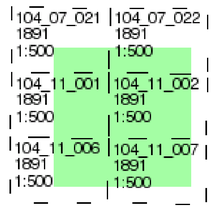
Published 1891

Source map scale - 1:500

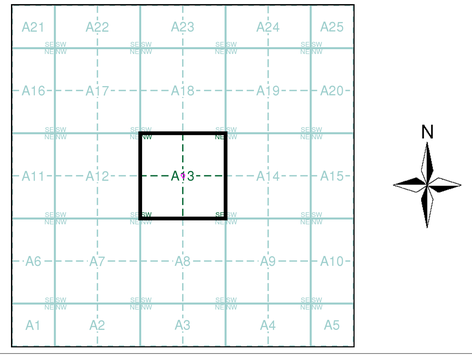
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped 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

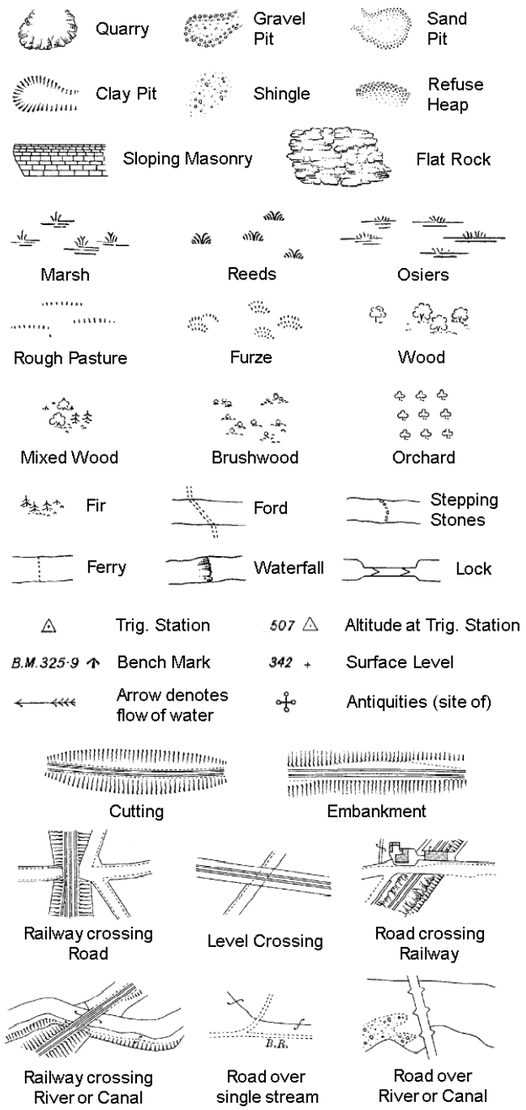
Site at 384980, 398080

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Historical Mapping Legends

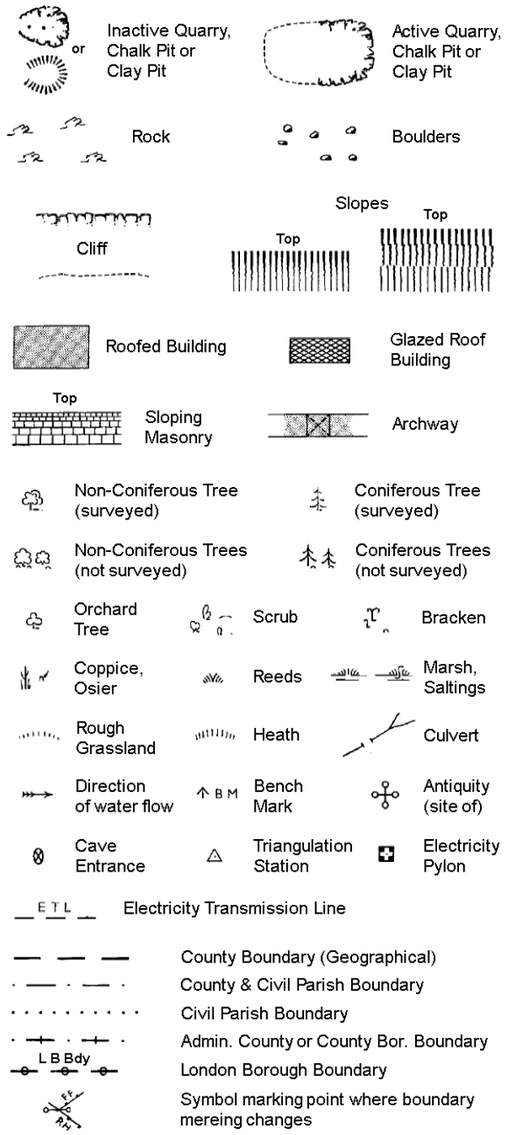
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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

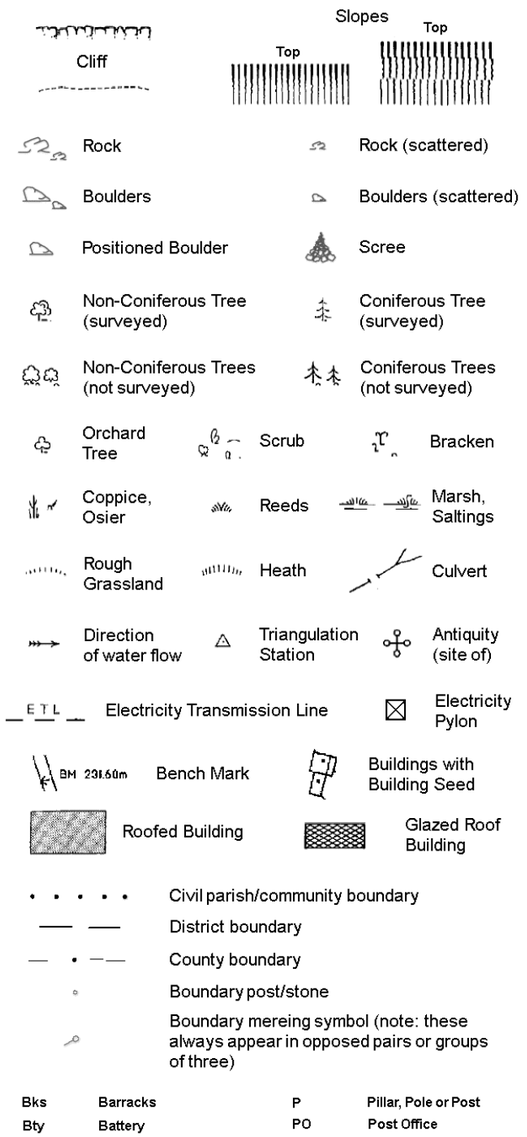
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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)

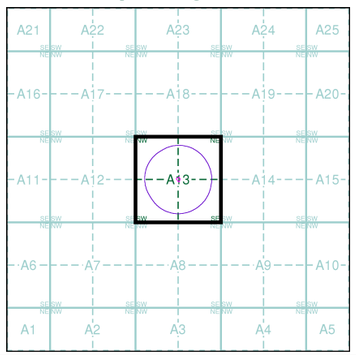
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity 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



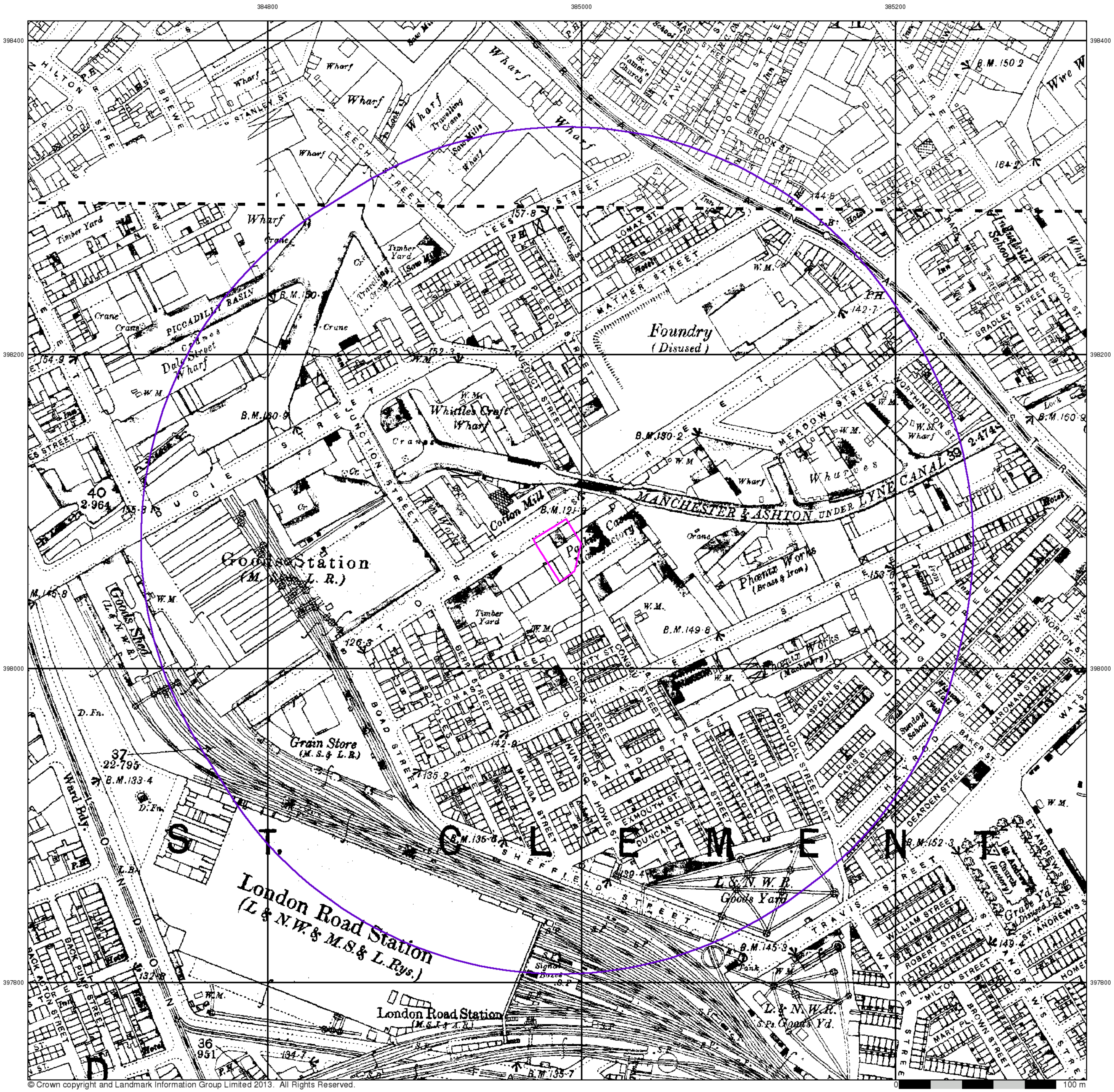
Order Details

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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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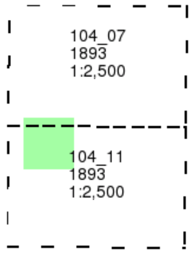
Lancashire And Furness

Published 1893

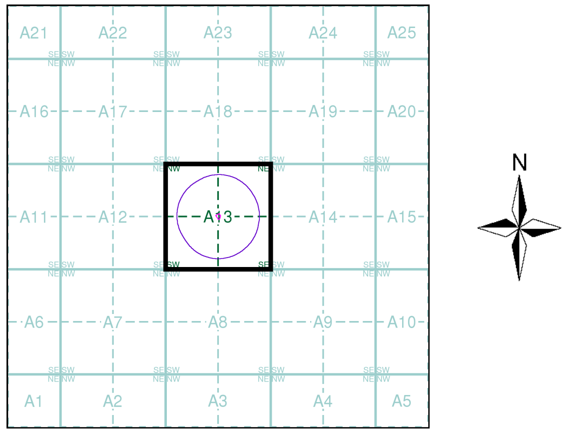
Source map scale - 1:2,500

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

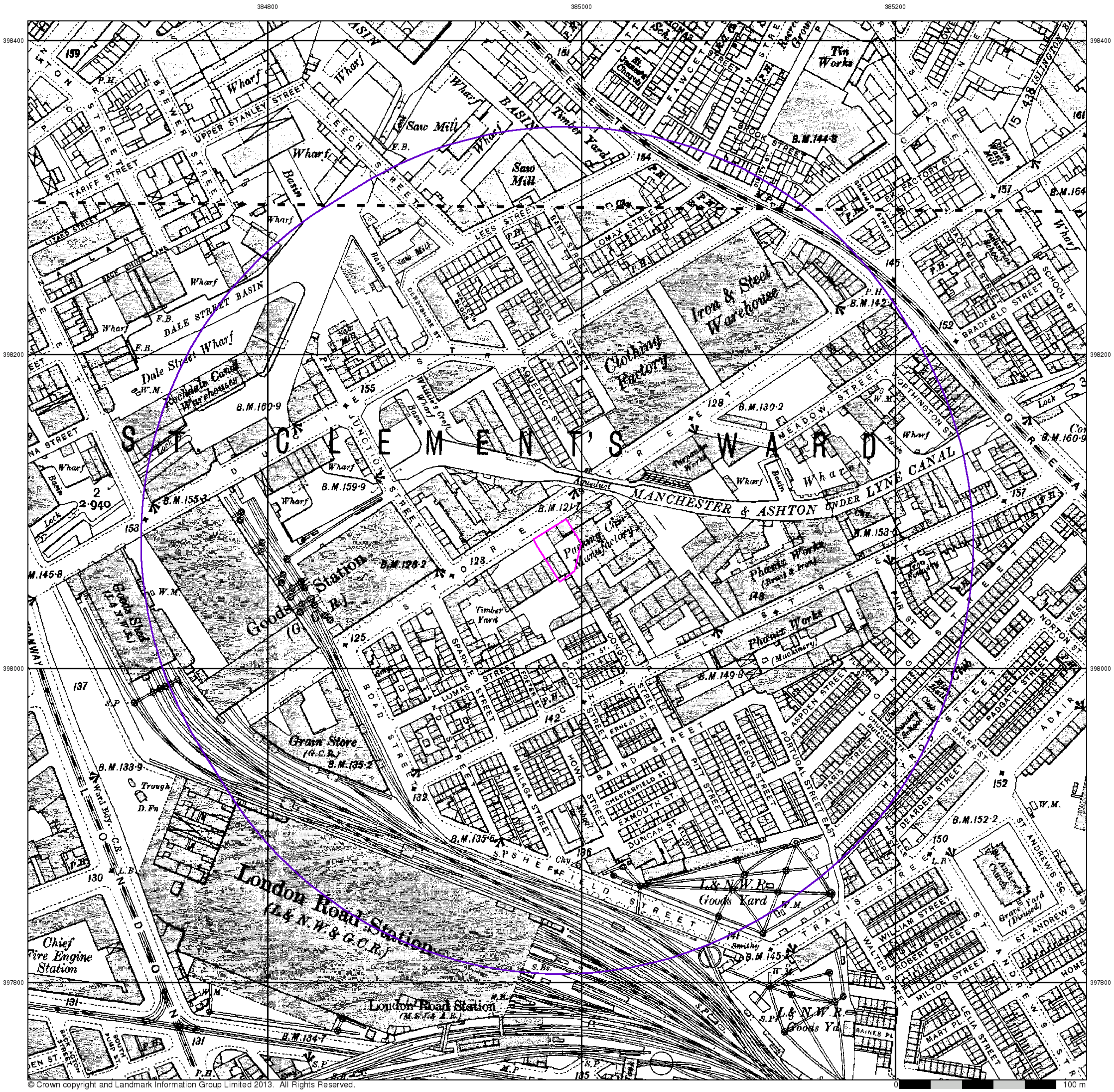
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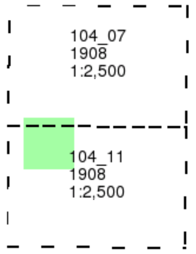
Lancashire And Furness

Published 1908

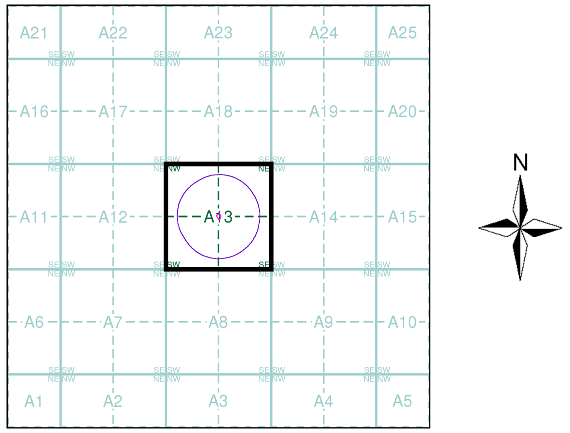
Source map scale - 1:2,500

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



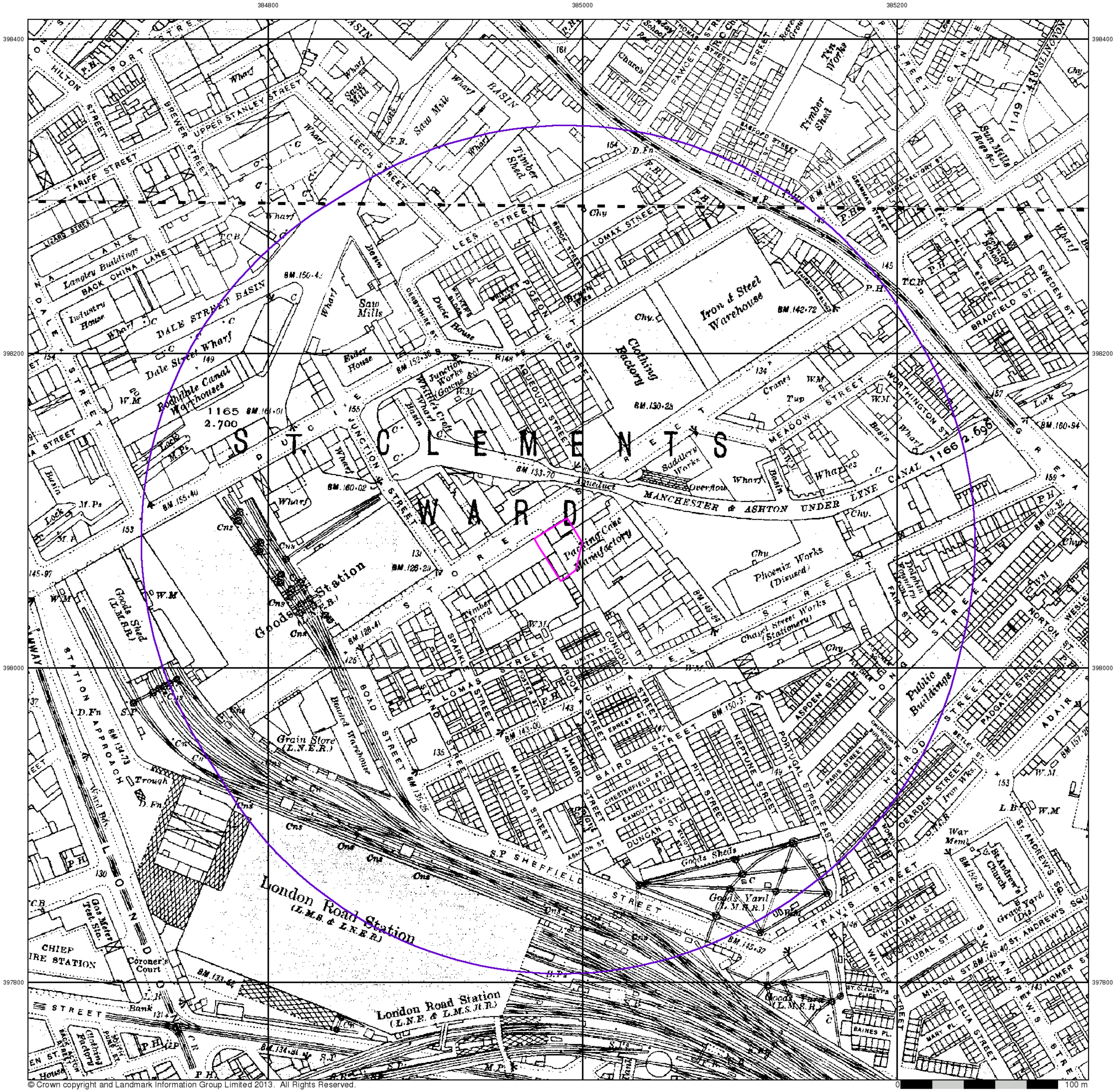
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Customer Ref:	PN143226
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Slice:	A
Site Area (Ha):	0.07
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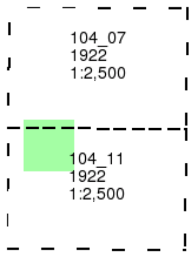
Lancashire And Furness

Published 1922

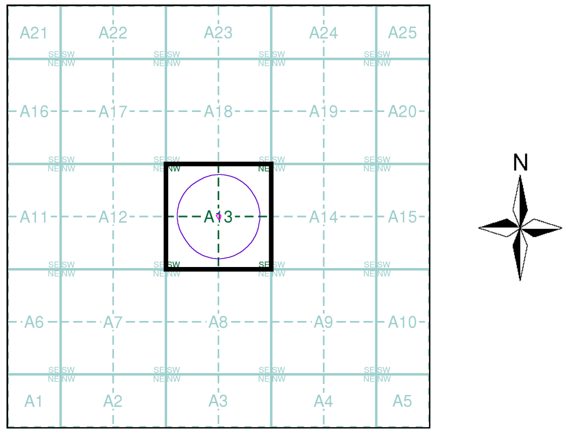
Source map scale - 1:2,500

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

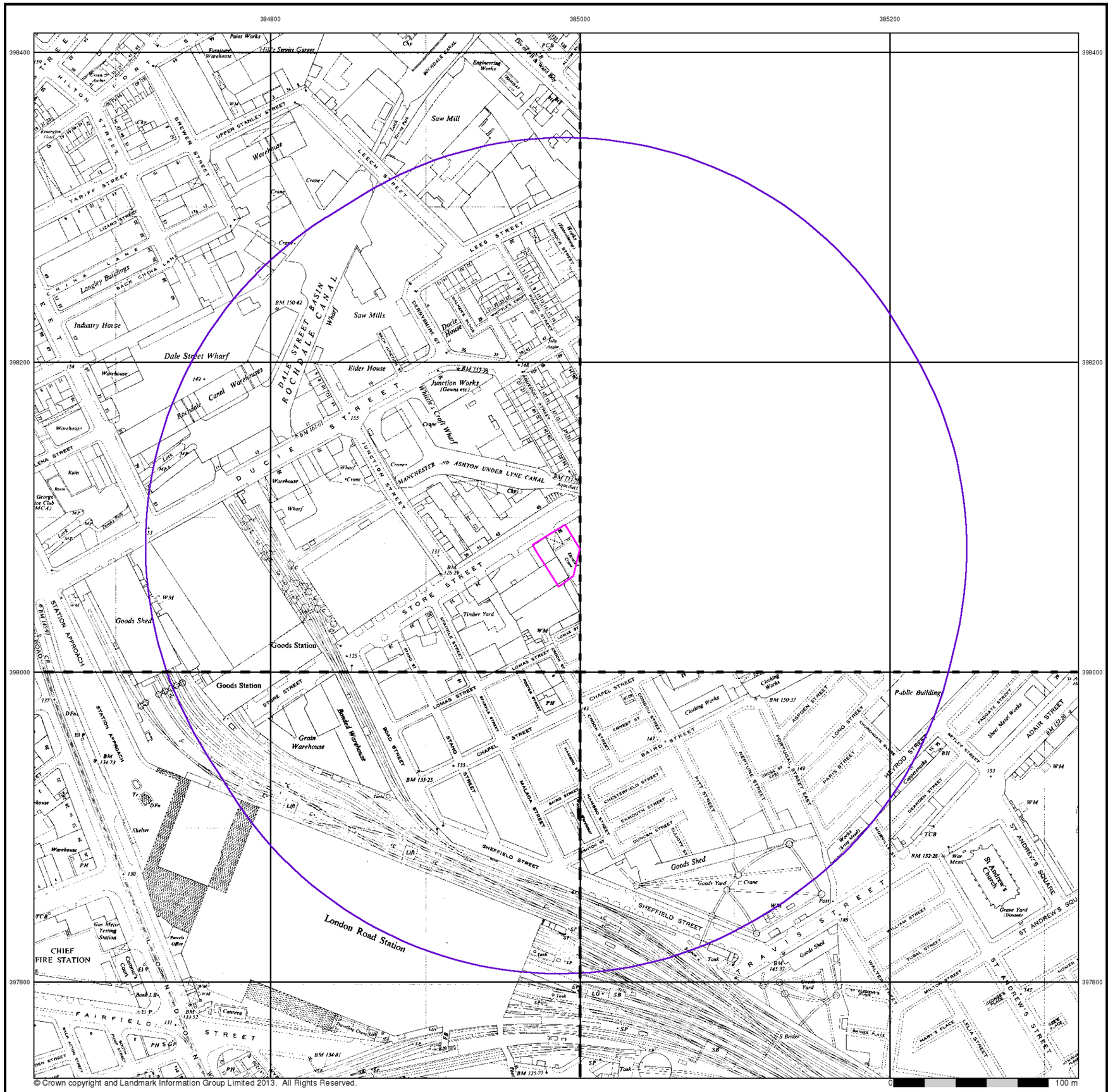
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Customer Ref: PN143226
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Slice: A
Site Area (Ha): 0.07
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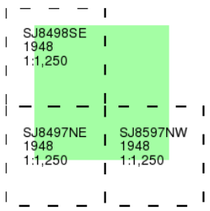
Ordnance Survey Plan

Published 1948

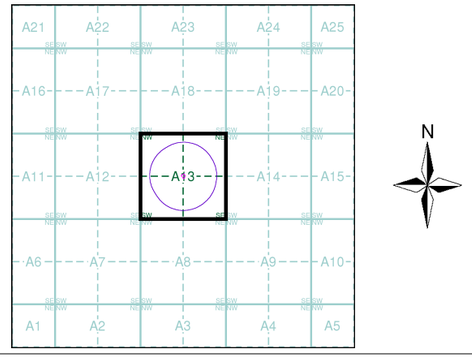
Source map scale - 1:1,250

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



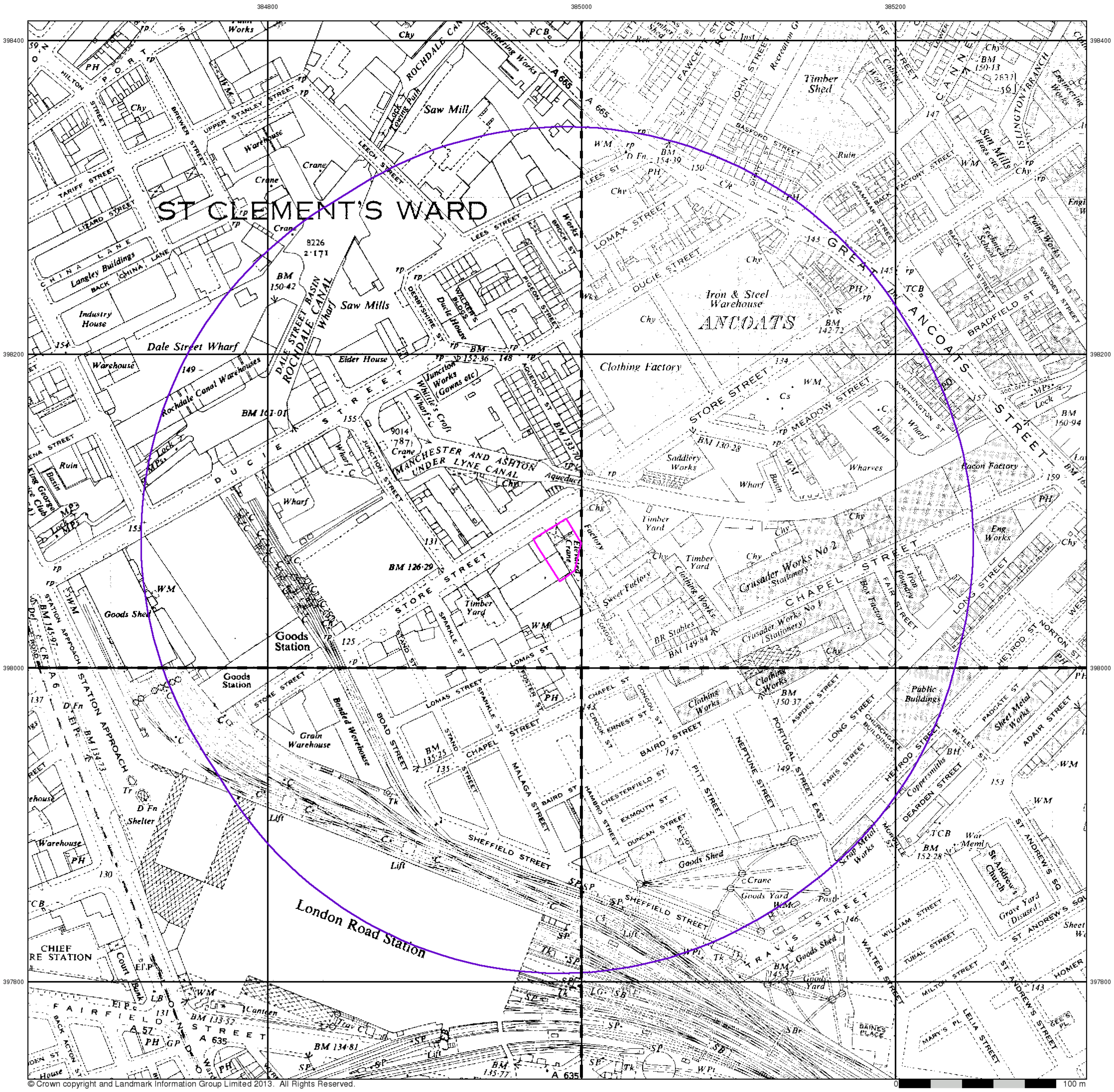
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Site Details

Site at 384980, 398080

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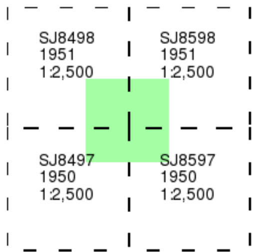
Ordnance Survey Plan

Published 1950 - 1951

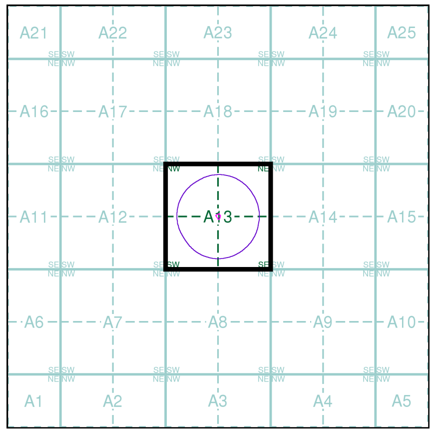
Source map scale - 1:2,500

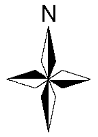
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

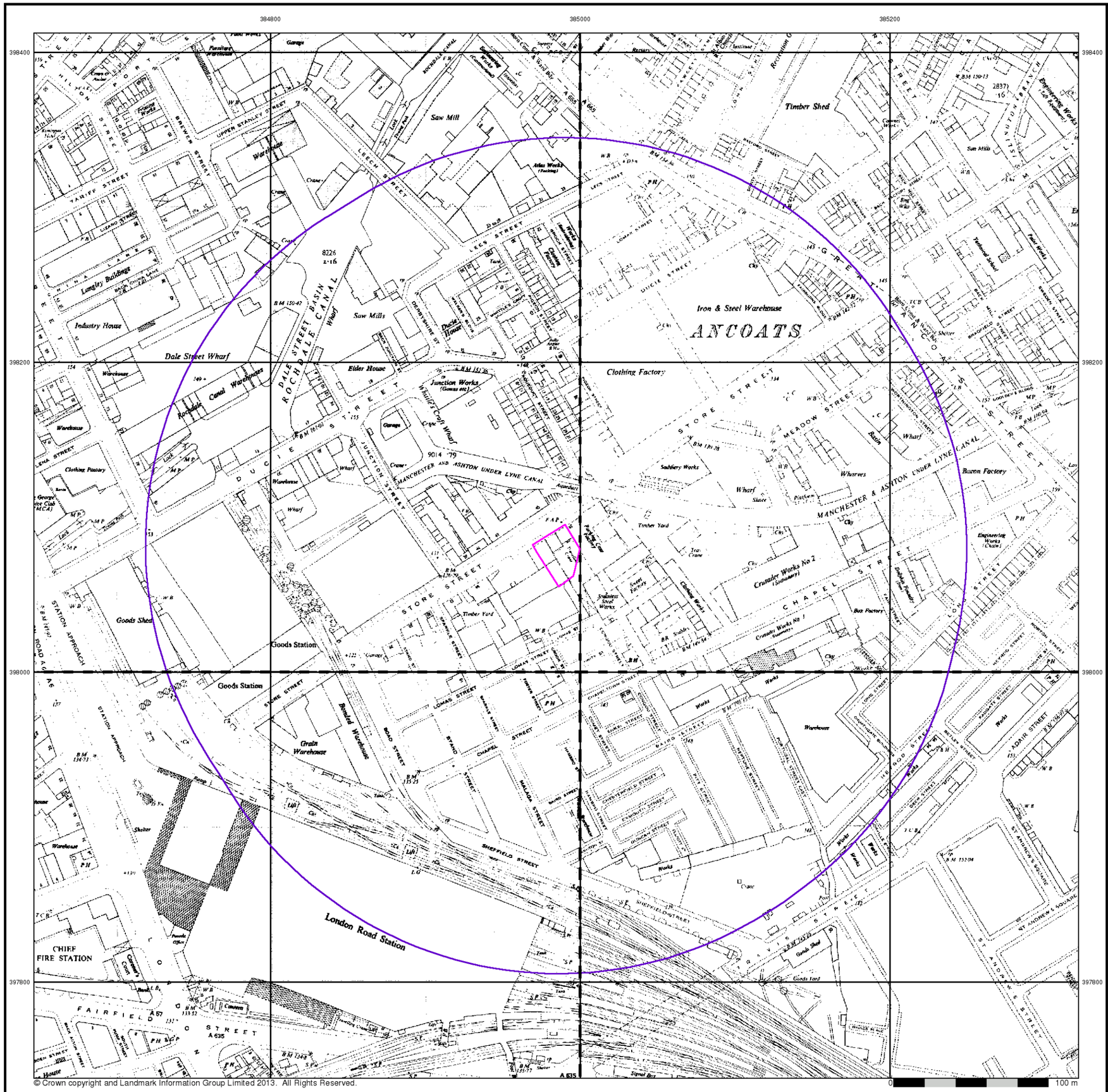
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Site Details

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Ordnance Survey Plan

Published 1953 - 1965

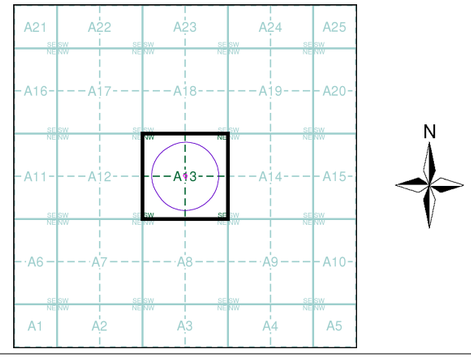
Source map scale - 1:2,500

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



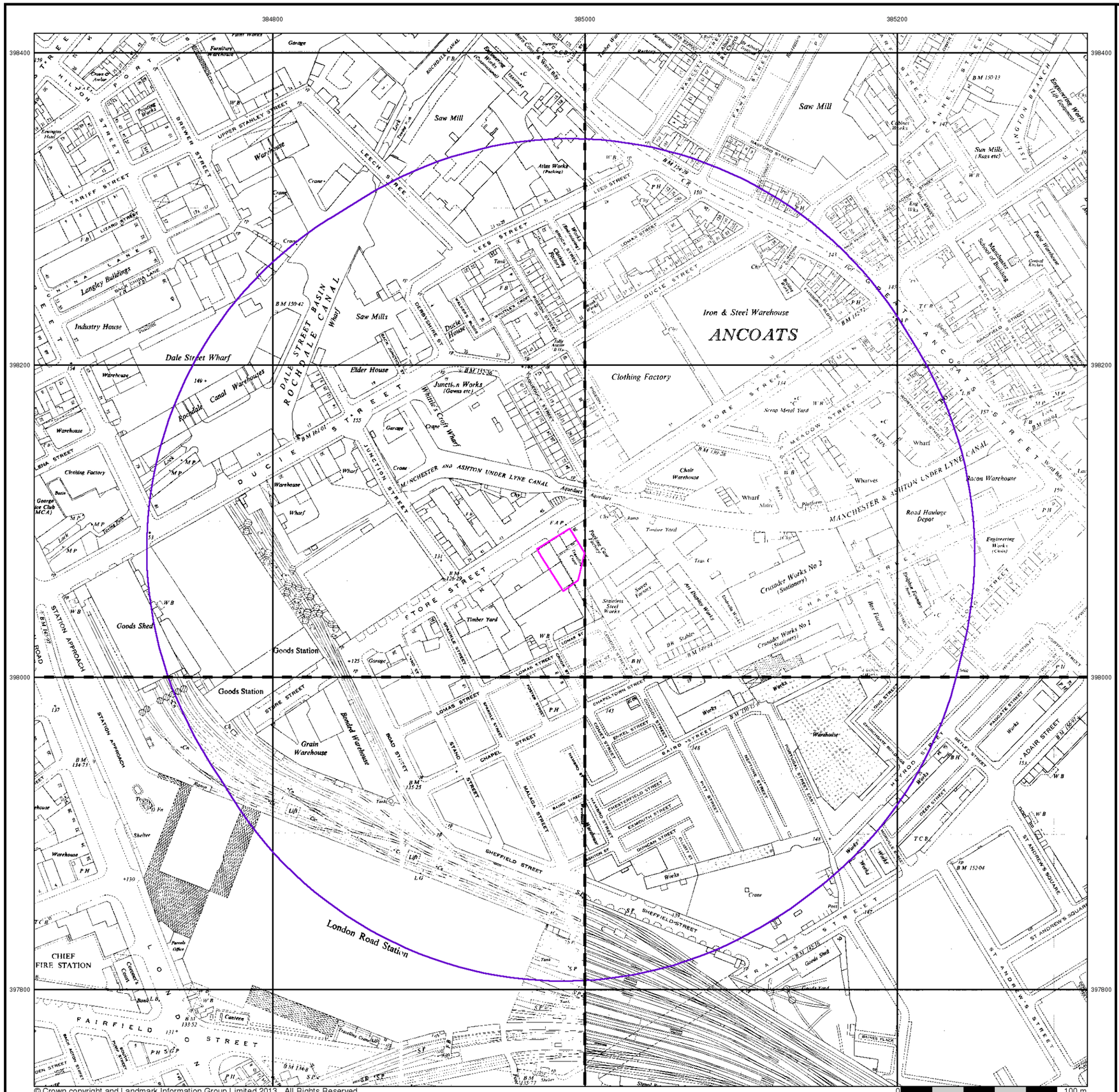
Order Details

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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

Site Details

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Ordnance Survey Plan

Published 1954 - 1963

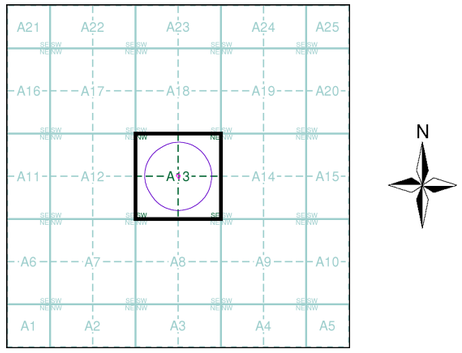
Source map scale - 1:1,250

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



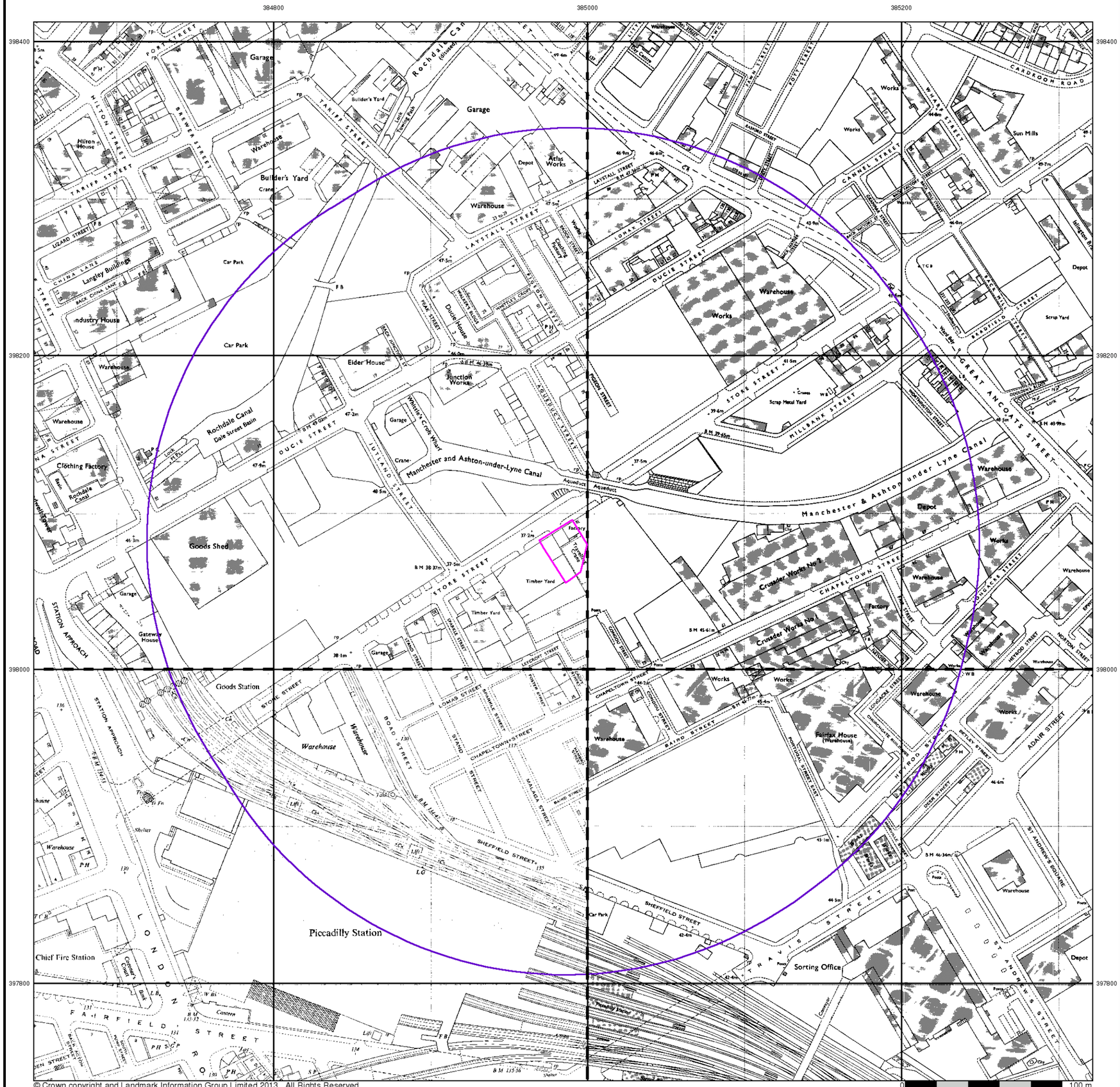
Order Details

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Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	250

Site Details

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Ordnance Survey Plan

Published 1964 - 1981

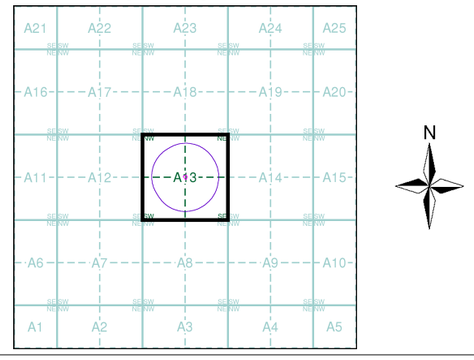
Source map scale - 1:1,250

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 1971 1:1,250	SJ8598SW 1981 1:1,250
SJ8497NE 1964 1:1,250	SJ8597NW 1977 1:1,250

Historical Map - Segment A13



Order Details

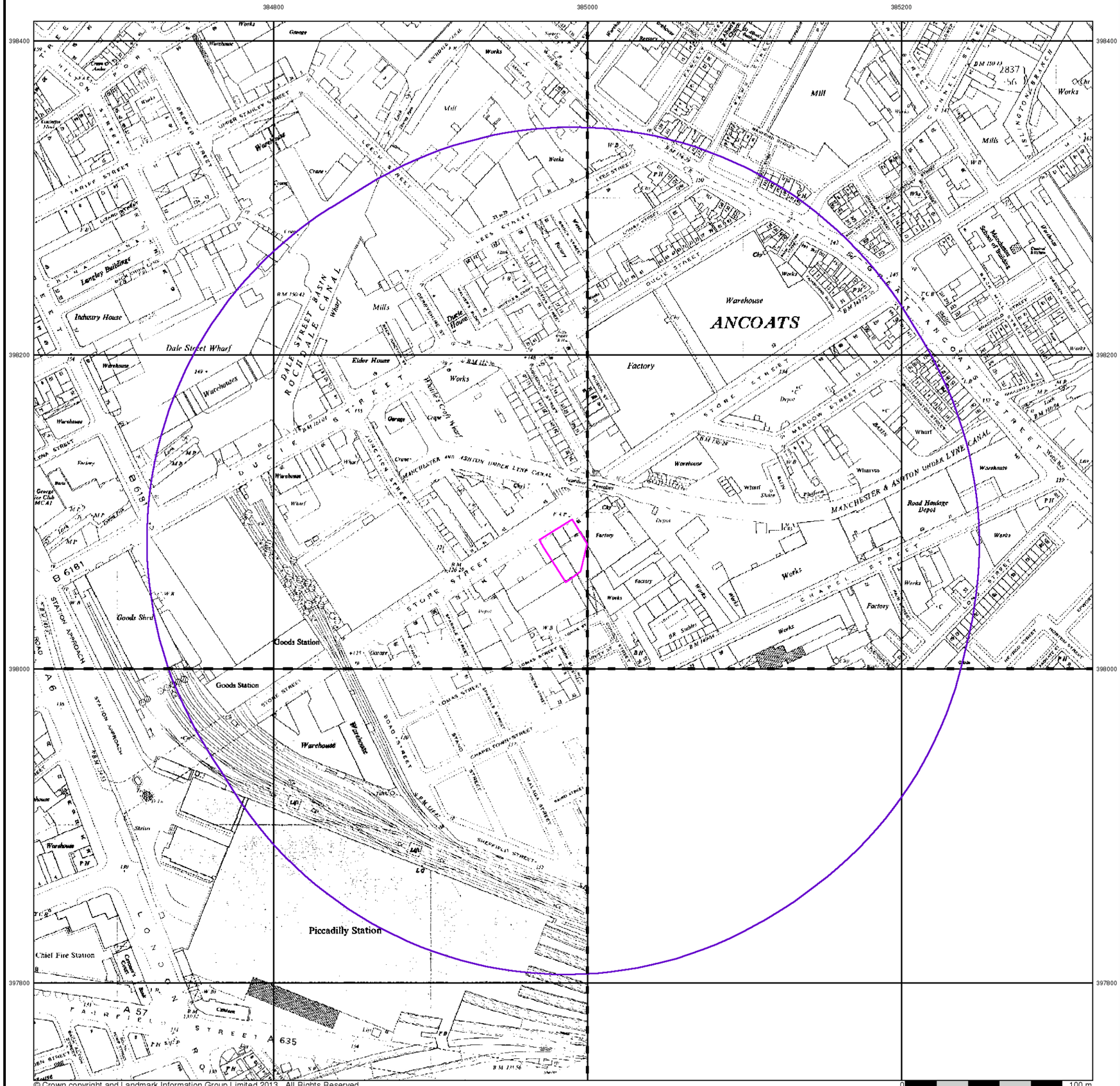
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Search Buffer (m):	250

Site Details

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Ordnance Survey Plan

Published 1965

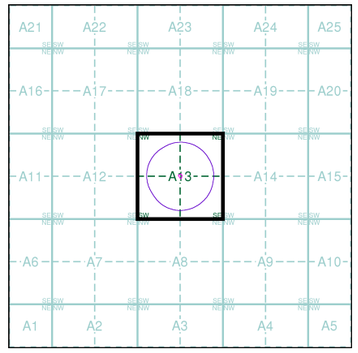
Source map scale - 1:2,500

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



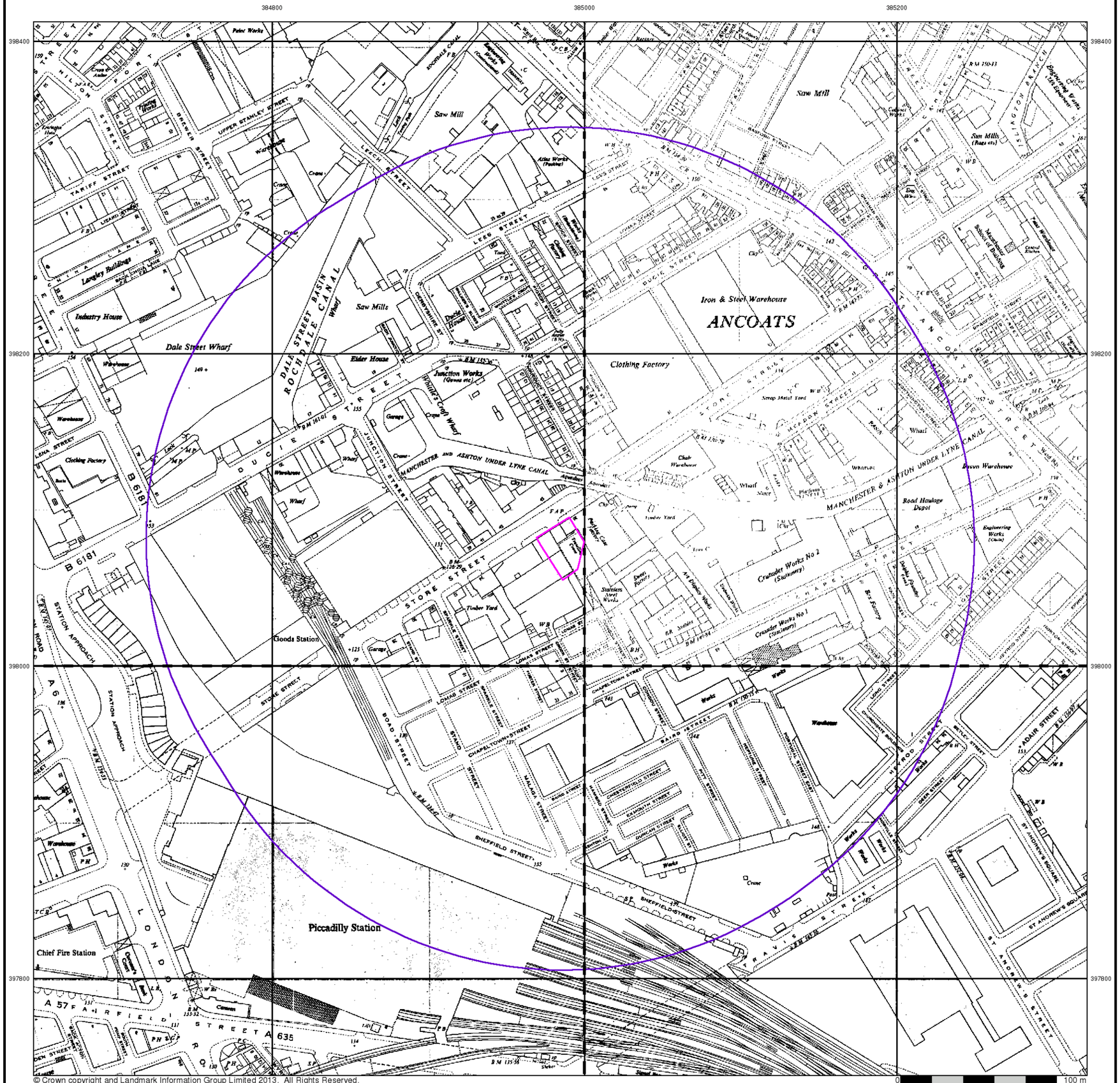
Order Details

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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Ordnance Survey Plan

Published 1969 - 1970

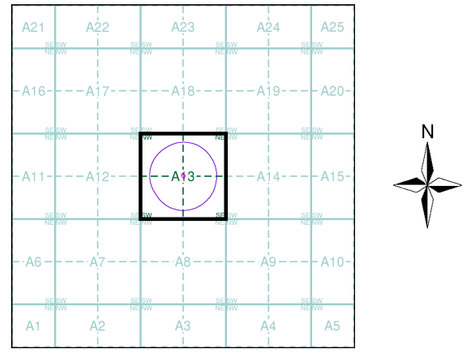
Source map scale - 1:2,500

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
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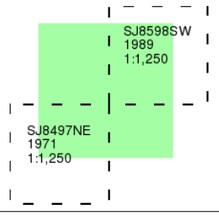
Ordnance Survey Plan

Published 1971 - 1989

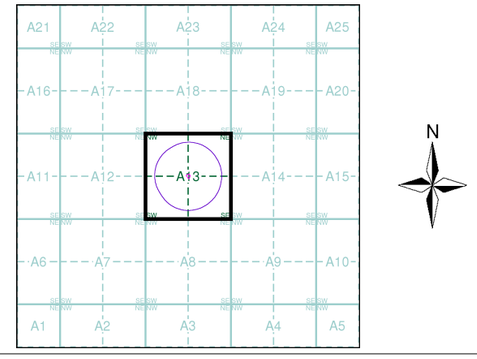
Source map scale - 1:1,250

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

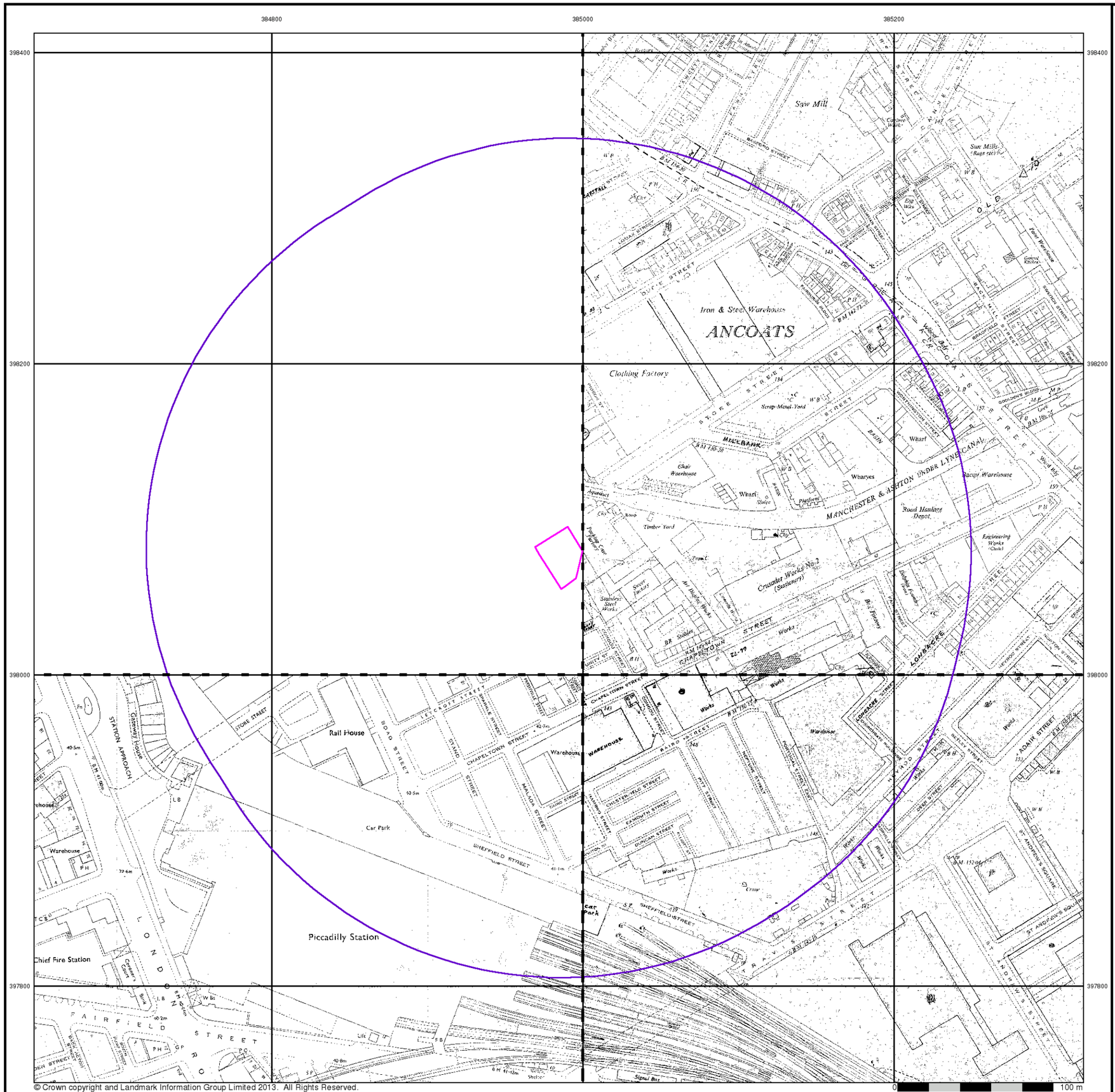
Order Number:	59513547_1_1
Customer Ref:	PN143226
National Grid Reference:	384990, 398080
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	250

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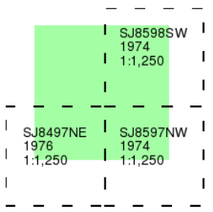
Supply of Unpublished Survey Information

Published 1974 - 1976

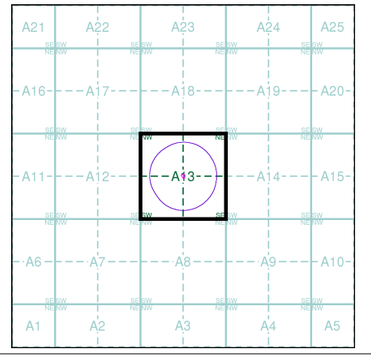
Source map scale - 1:1,250

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

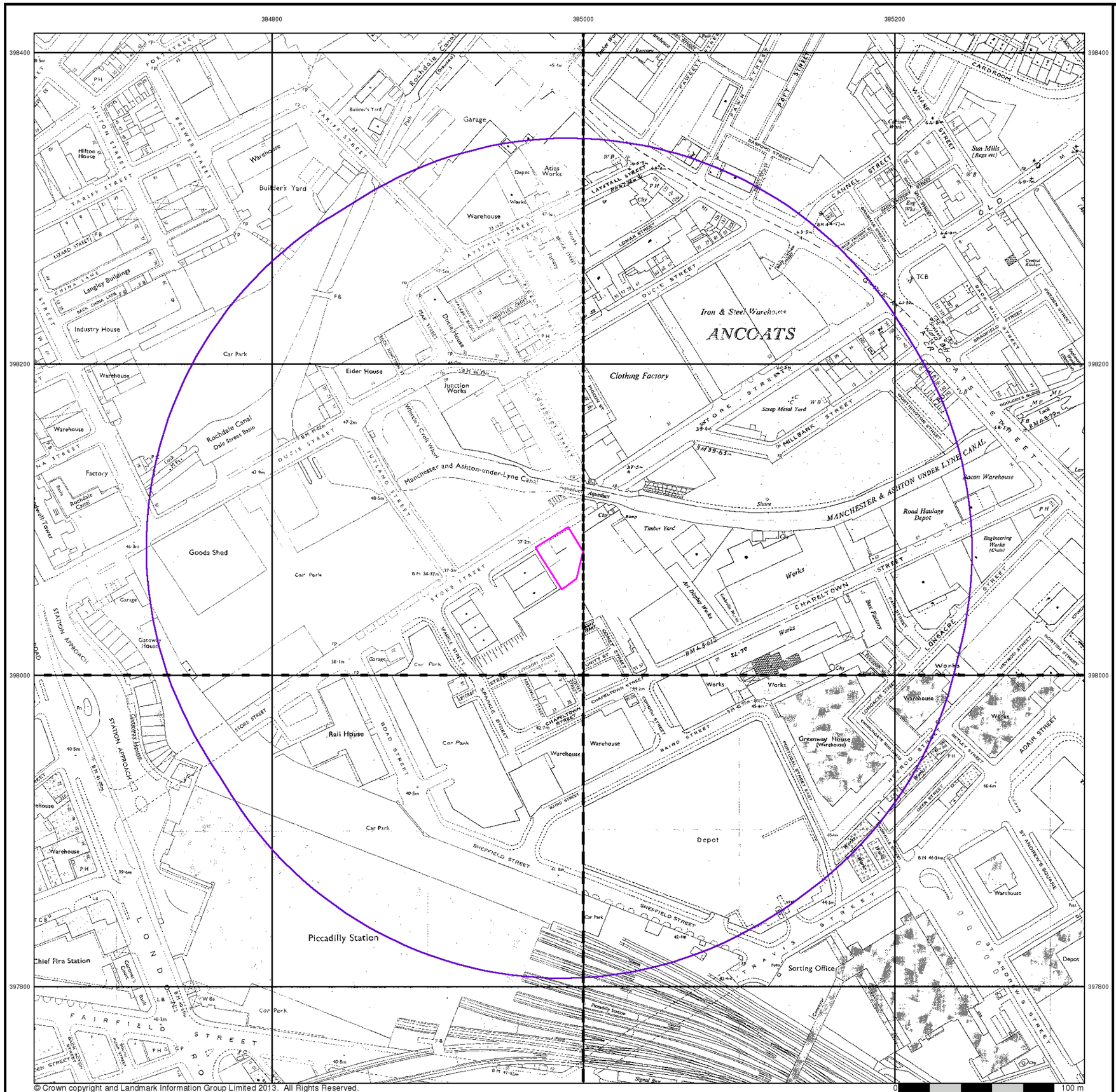
Order Number:	59513547_1_1
Customer Ref:	PN143226
National Grid Reference:	384990, 398080
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	250

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Additional SIMs

Published 1978 - 1985

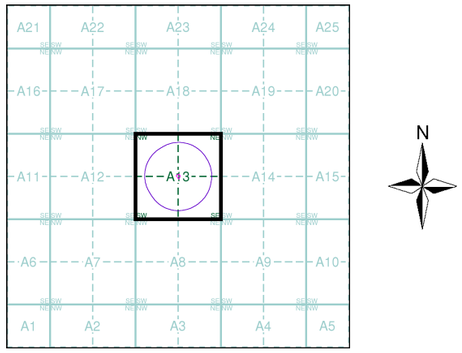
Source map scale - 1:1,250

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

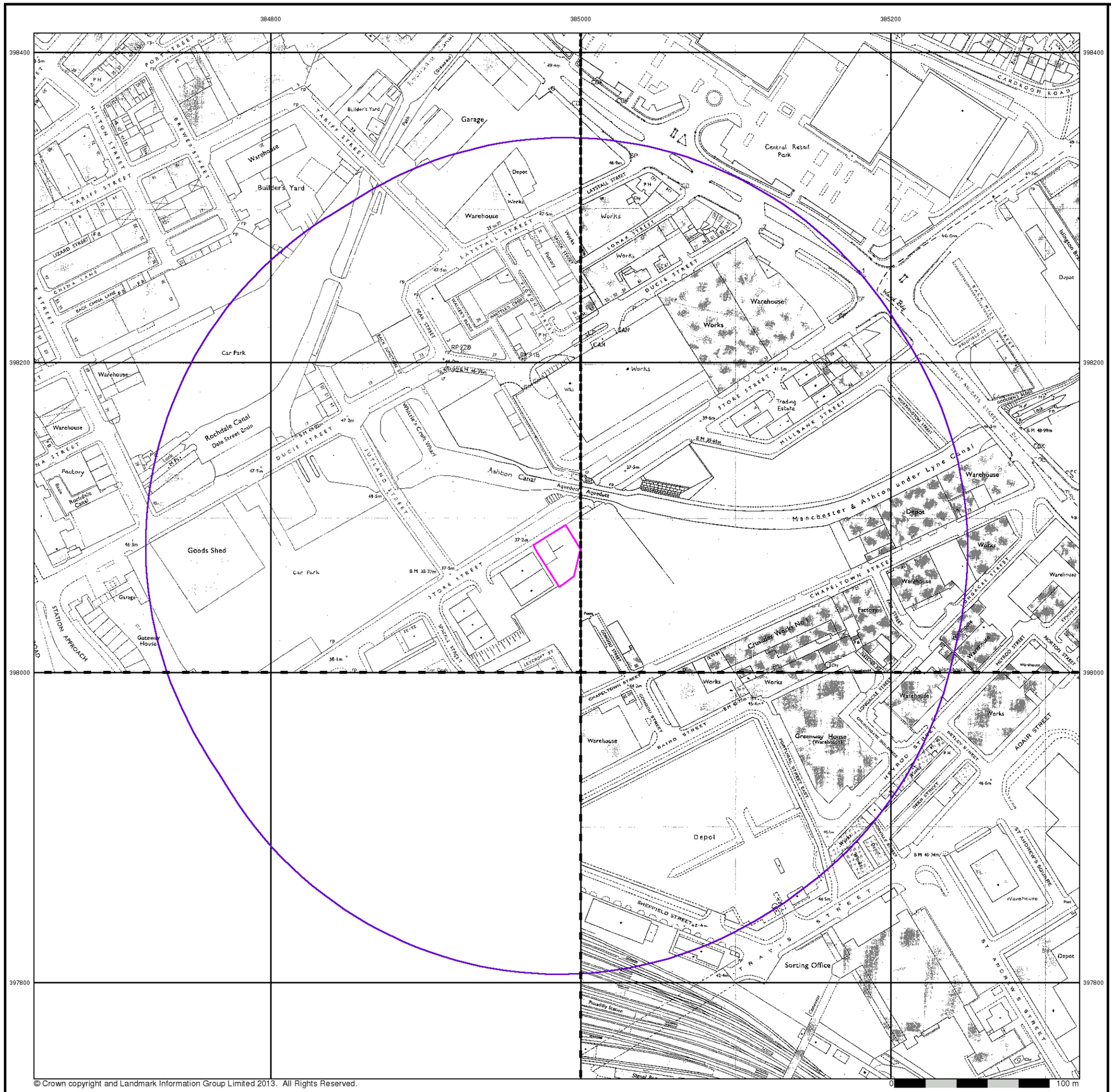
Order Number:	59513547_1_1
Customer Ref:	PN143226
National Grid Reference:	384990, 398080
Slice:	A
Site Area (Ha):	0.07
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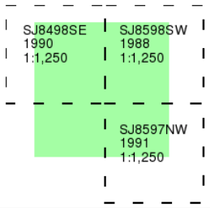
Additional SIMs

Published 1988 - 1991

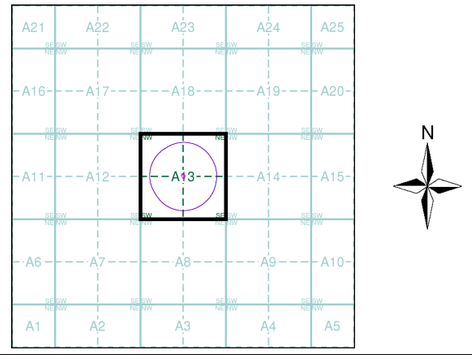
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	59513547_1_1
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Slice:	A
Site Area (Ha):	0.07
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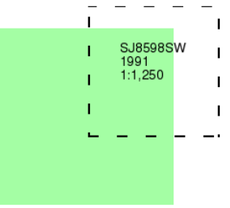
Additional SIMs

Published 1991

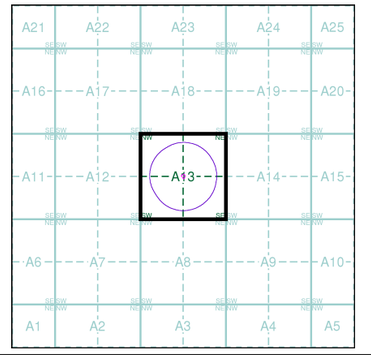
Source map scale - 1:1,250

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



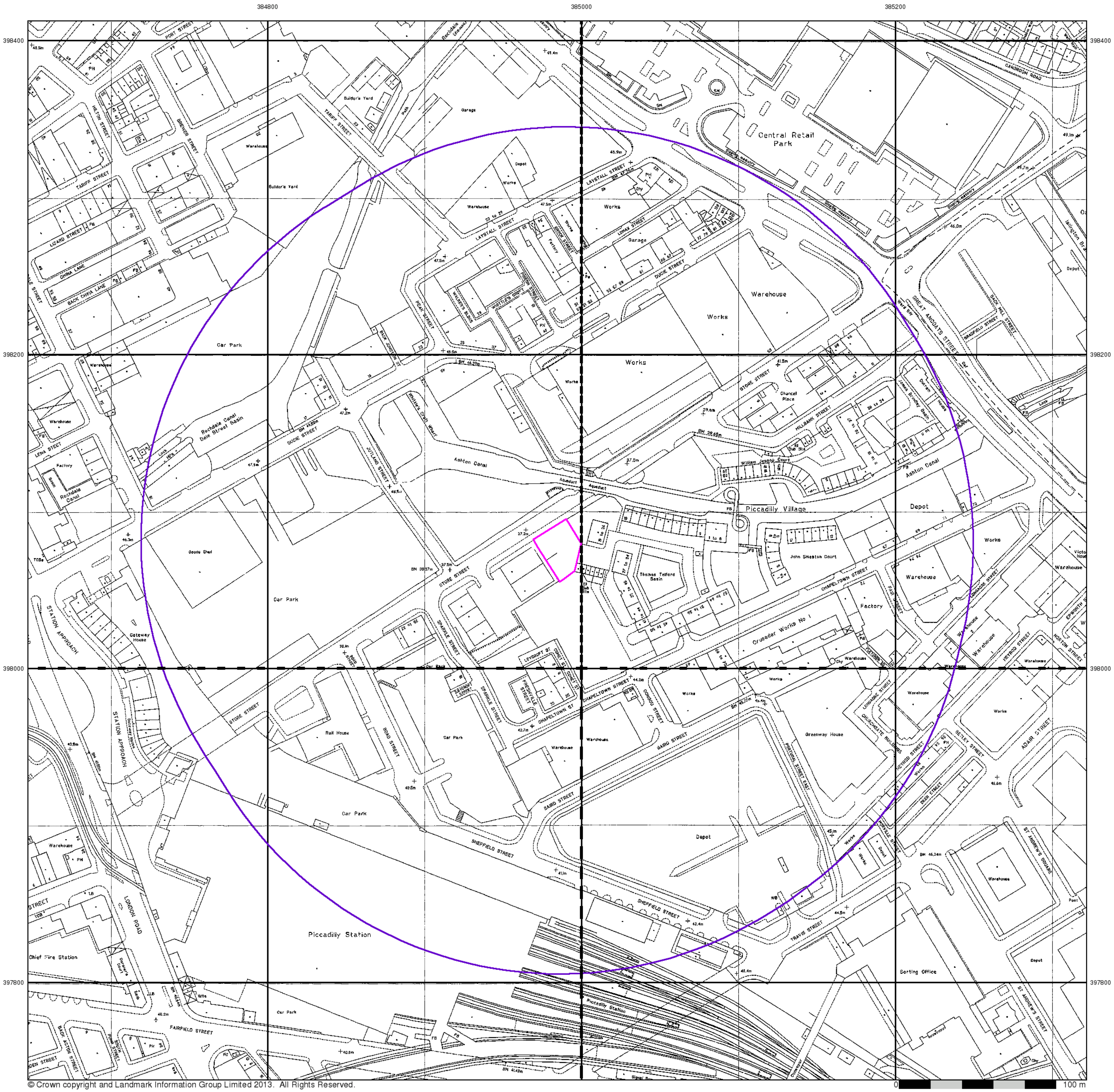
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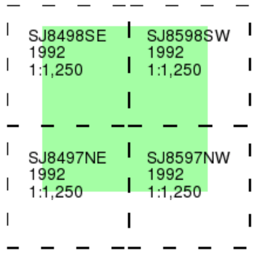
Large-Scale National Grid Data

Published 1992

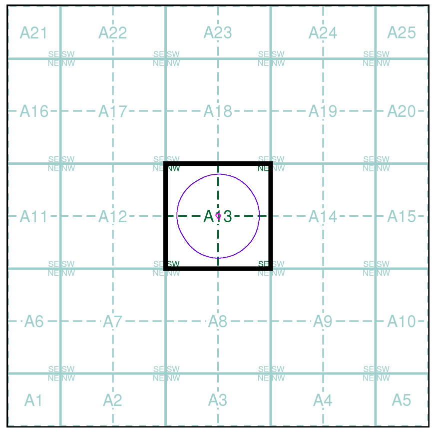
Source map scale - 1:1,250

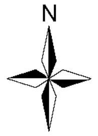
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)



Historical Map - Segment A13





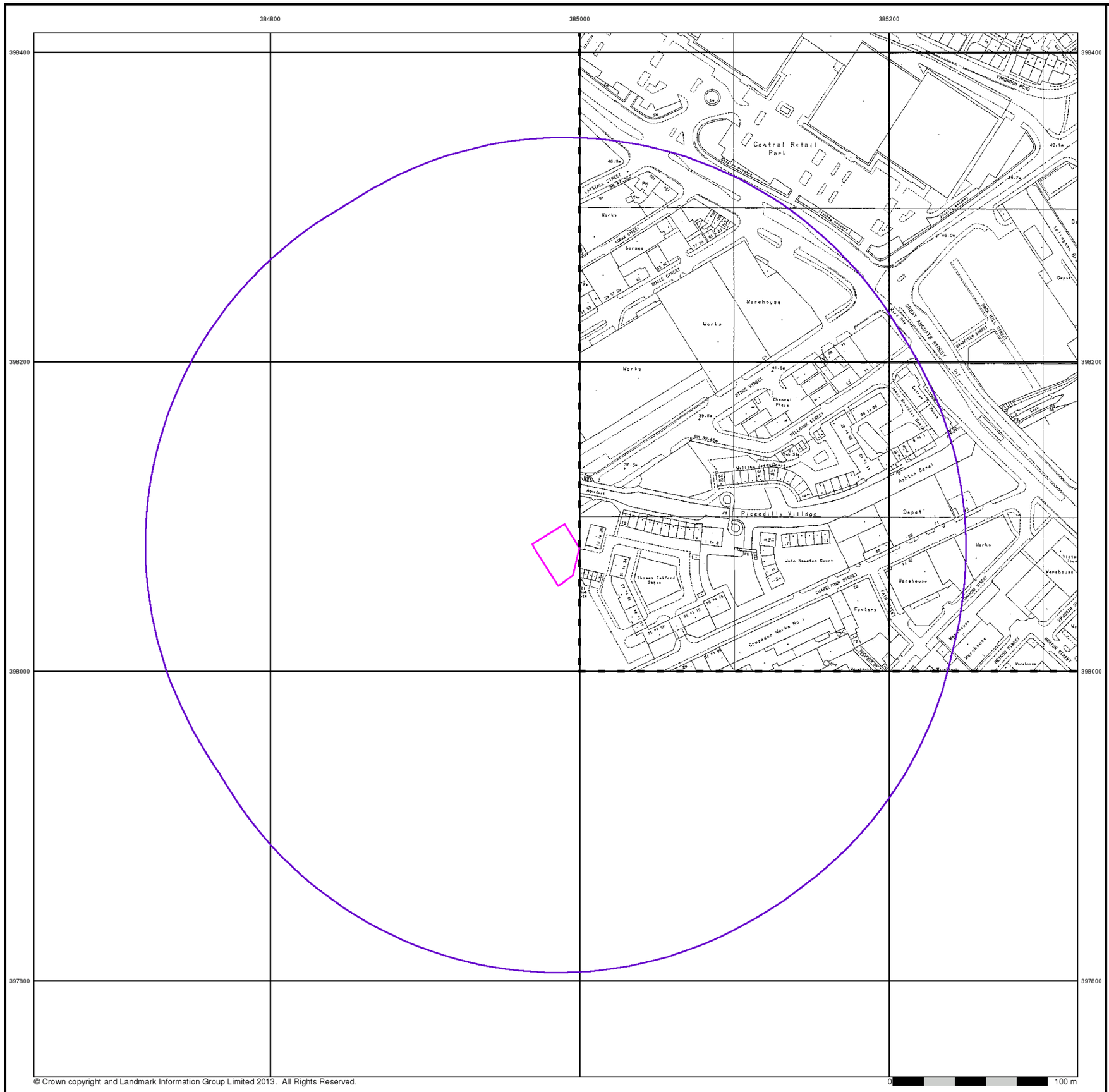
Order Details

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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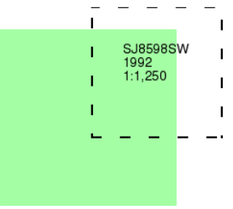
Additional SIMs

Published 1992

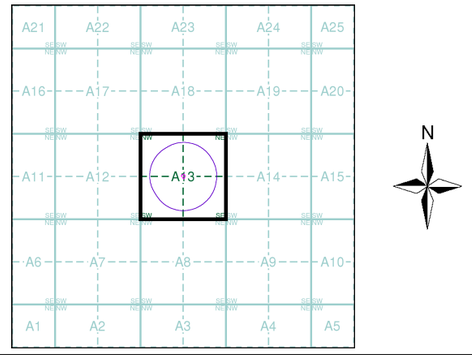
Source map scale - 1:1,250

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



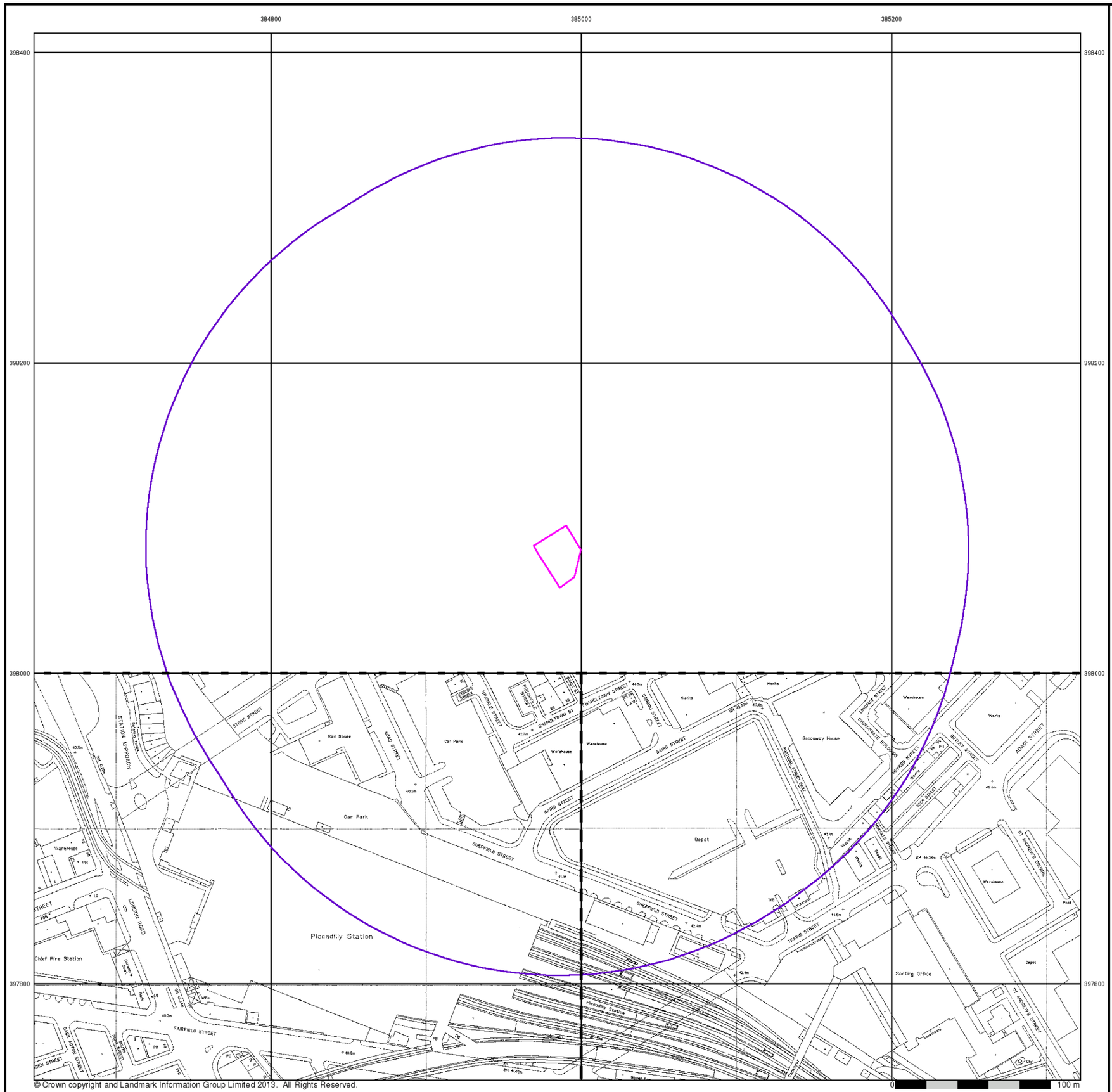
Order Details

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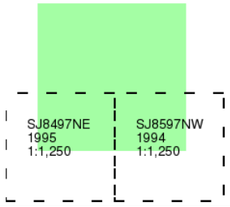
Large-Scale National Grid Data

Published 1994 - 1995

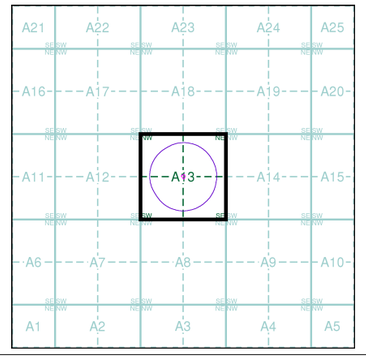
Source map scale - 1:1,250

'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

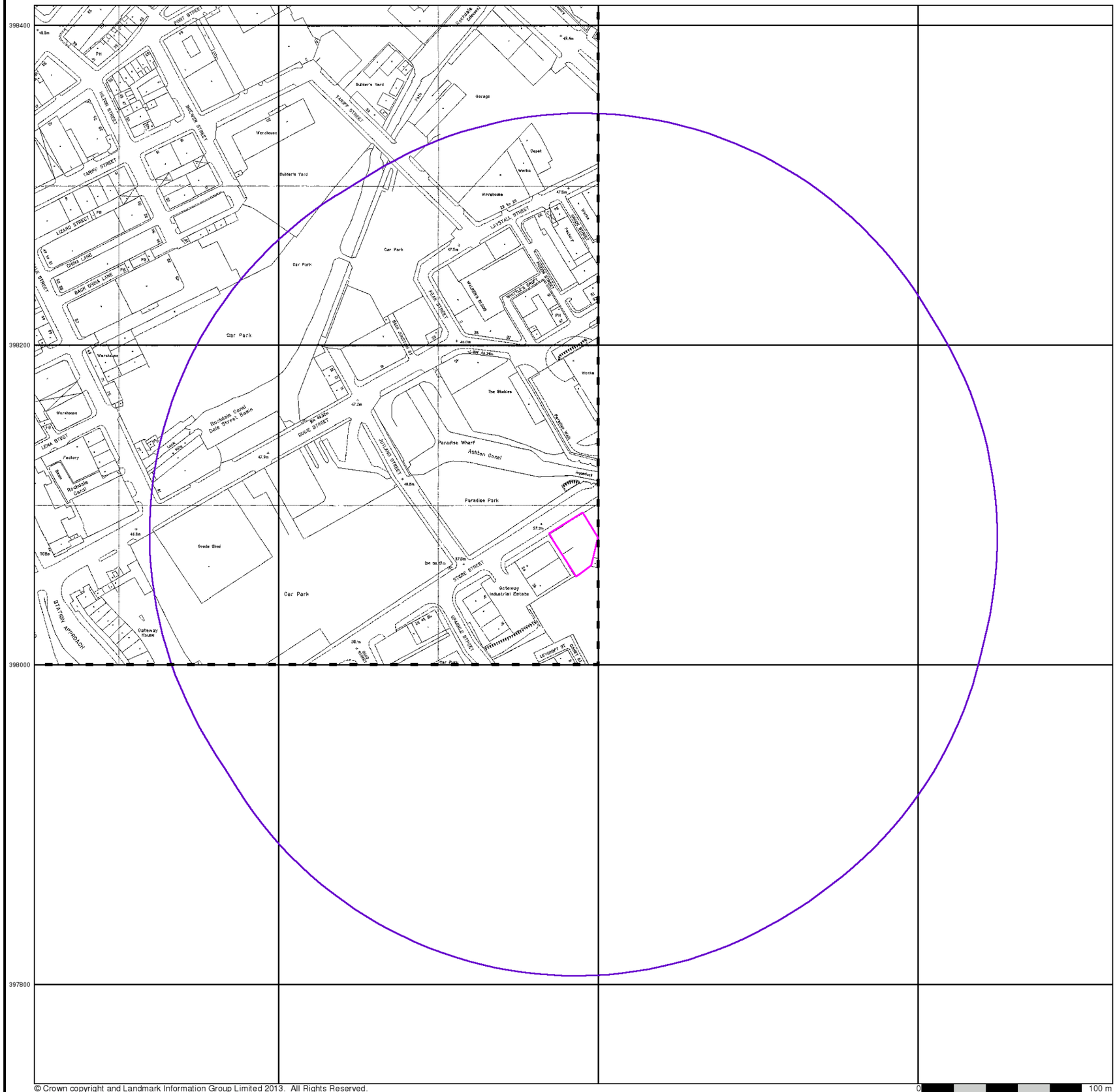
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Customer Ref:	PN143226
National Grid Reference:	384990, 398080
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	250

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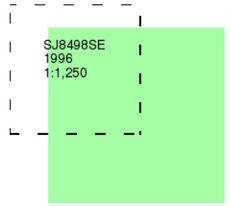
Large-Scale National Grid Data

Published 1996

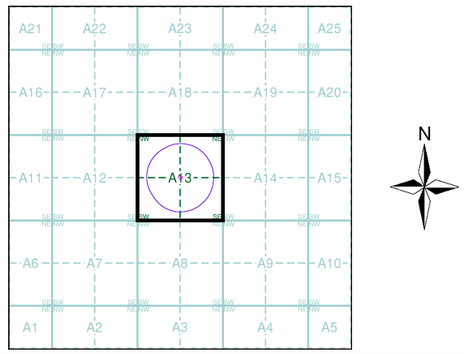
Source map scale - 1:1,250

'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
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Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
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

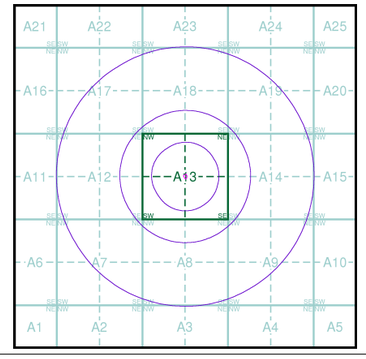
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or 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

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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

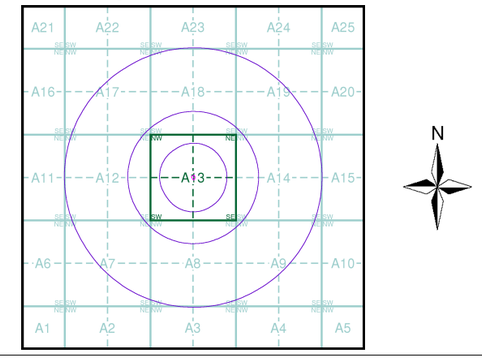
No.	Description
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169	Post Office

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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
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Manchester	1:25,000	1975	13
Ordnance Survey Plan	1:10,000	1980 - 1981	14
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10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2014	19

Russian Map - Slice A



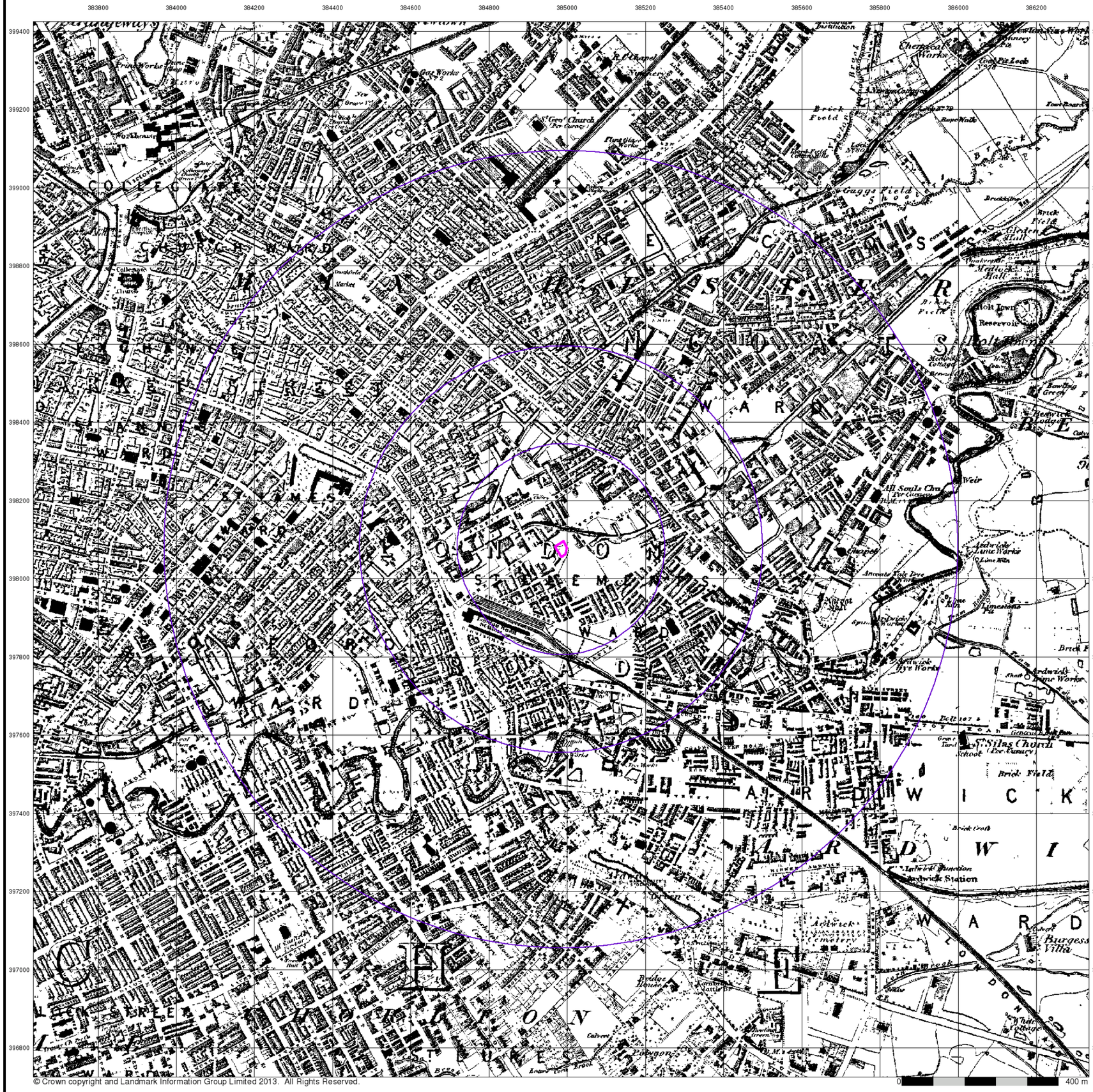
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Customer Ref: PN143226
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Slice: A
Site Area (Ha): 0.07
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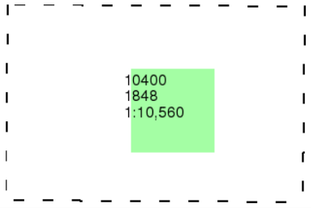
Lancashire And Furness

Published 1848

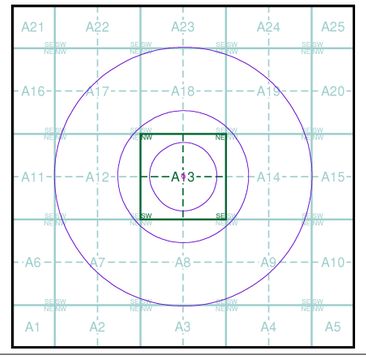
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

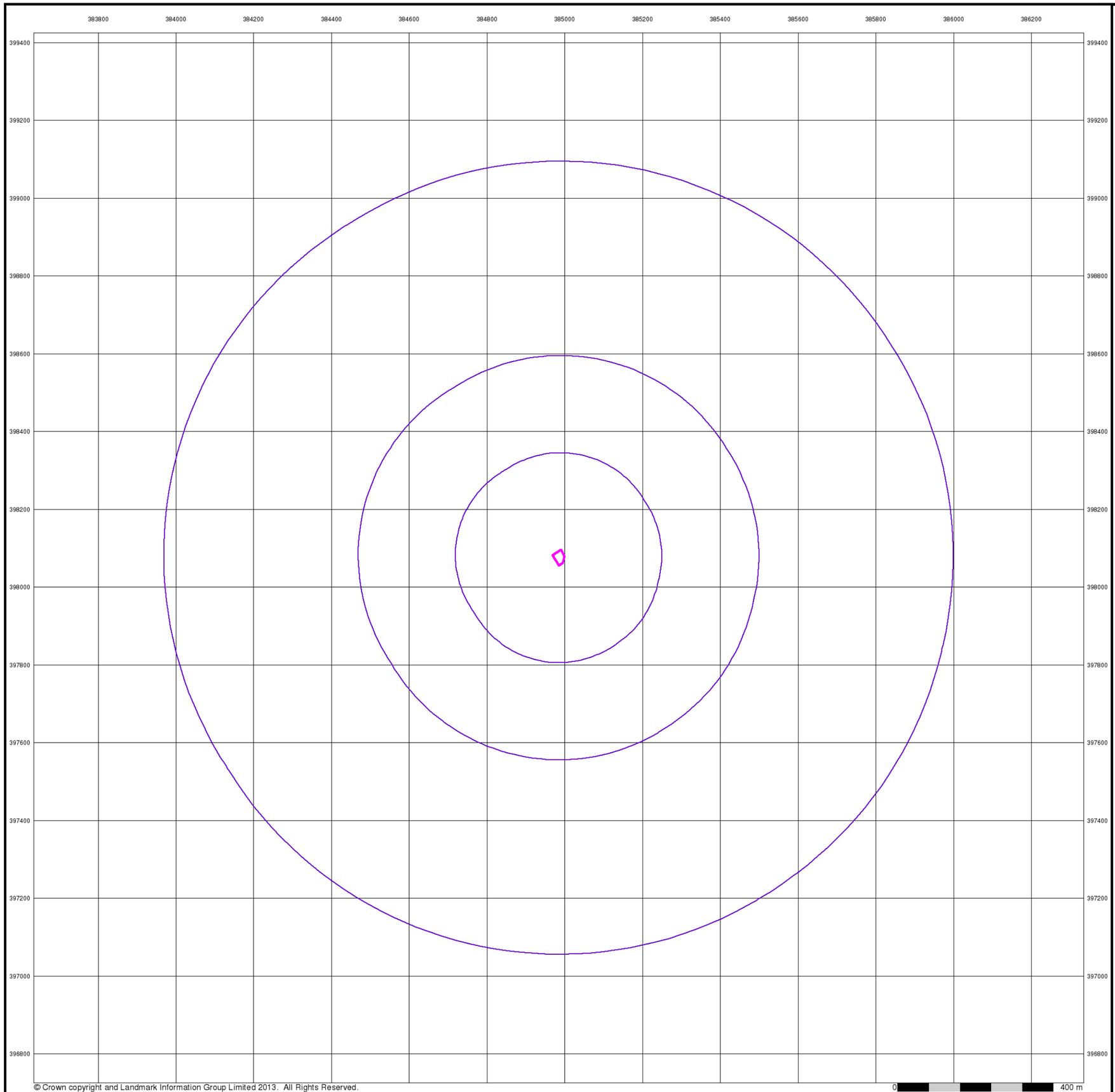
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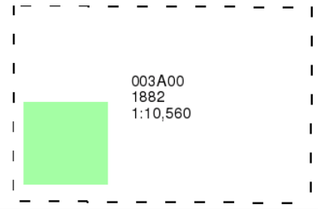
Cheshire

Published 1882

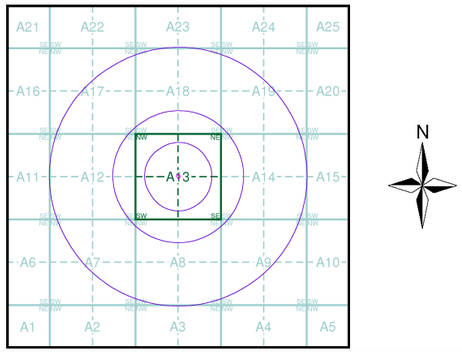
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Map Name(s) and Date(s)



Historical Map - Slice A



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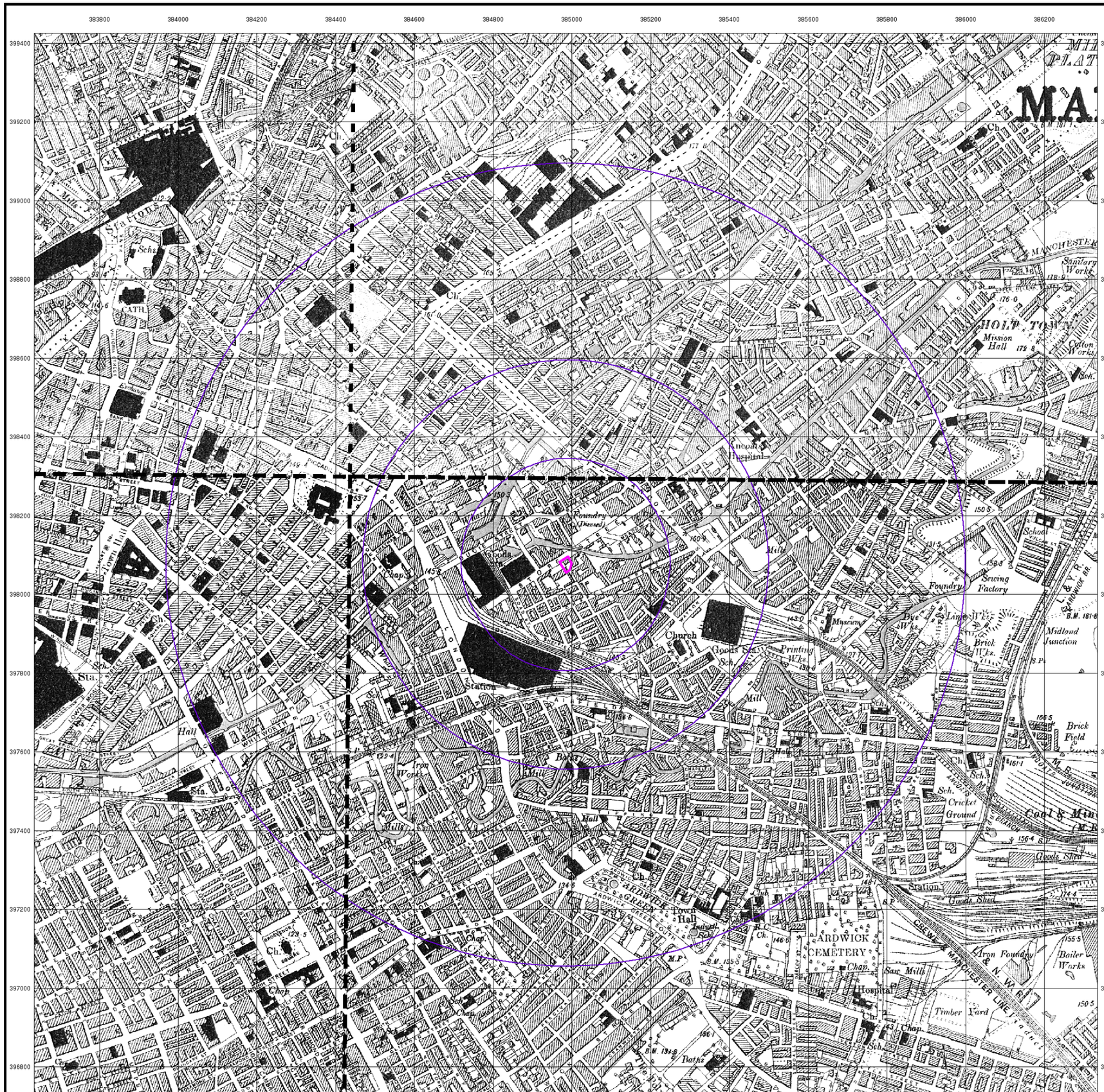
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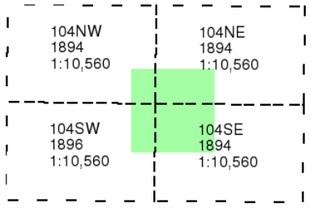
Lancashire And Furness

Published 1894 - 1896

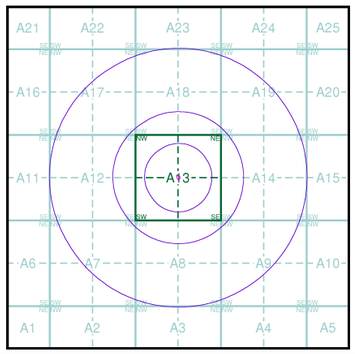
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

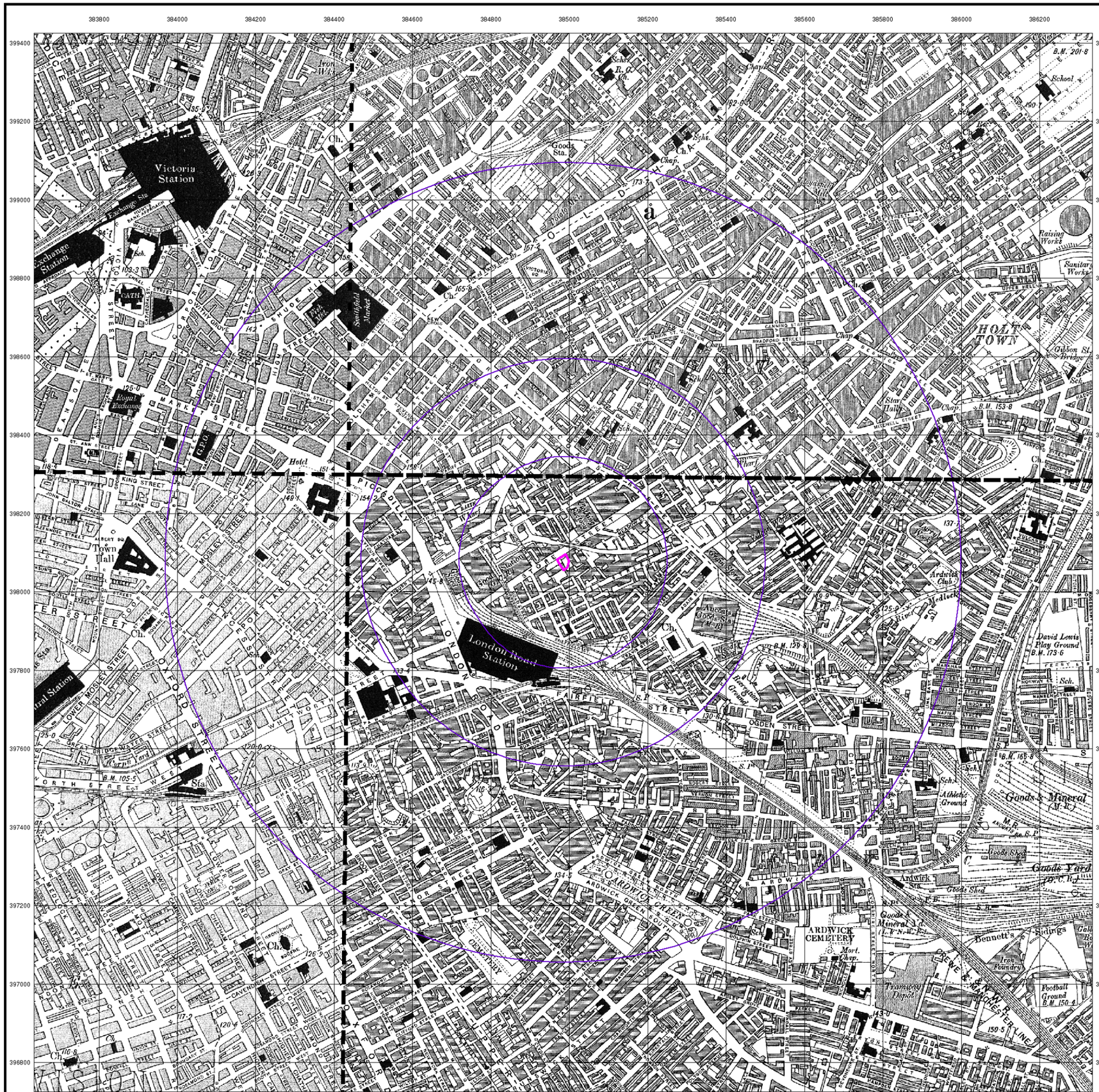
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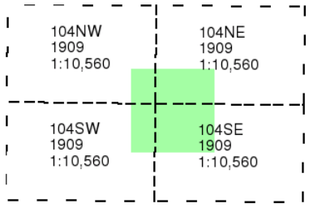
Lancashire And Furness

Published 1909

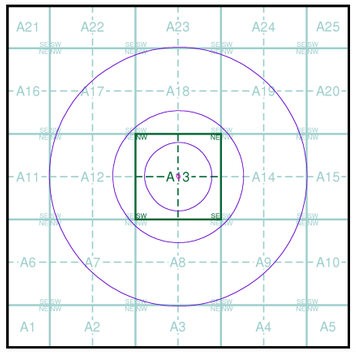
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Map Name(s) and Date(s)



Historical Map - Slice A



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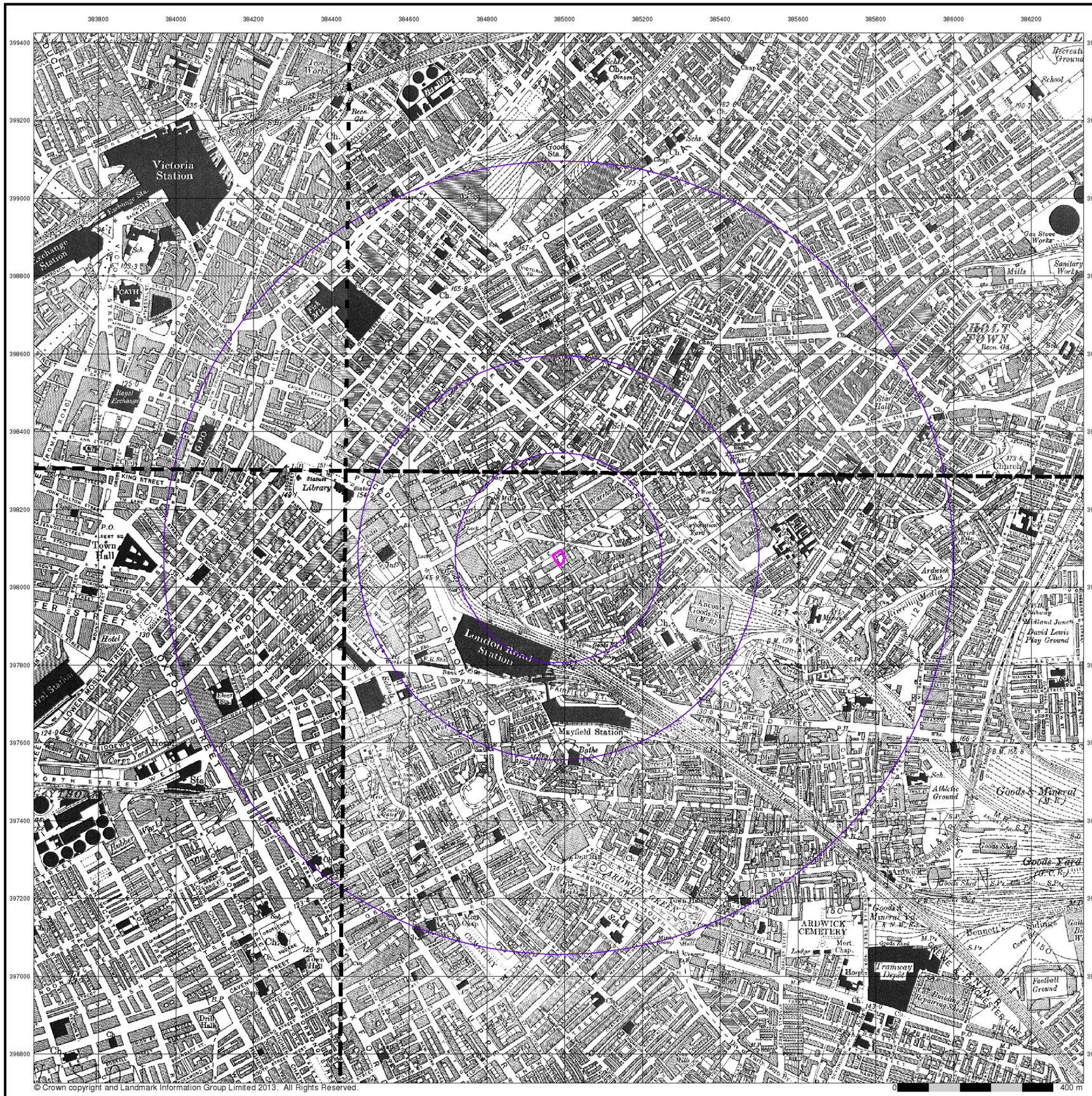
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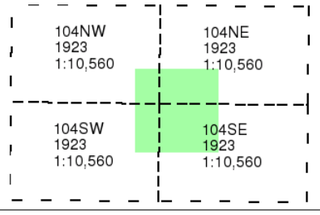
Lancashire And Furness

Published 1923

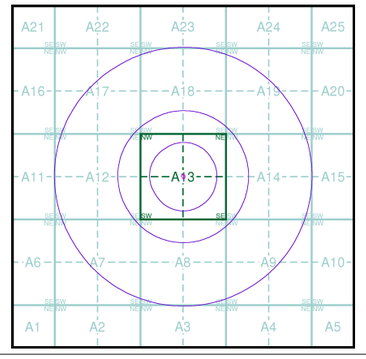
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

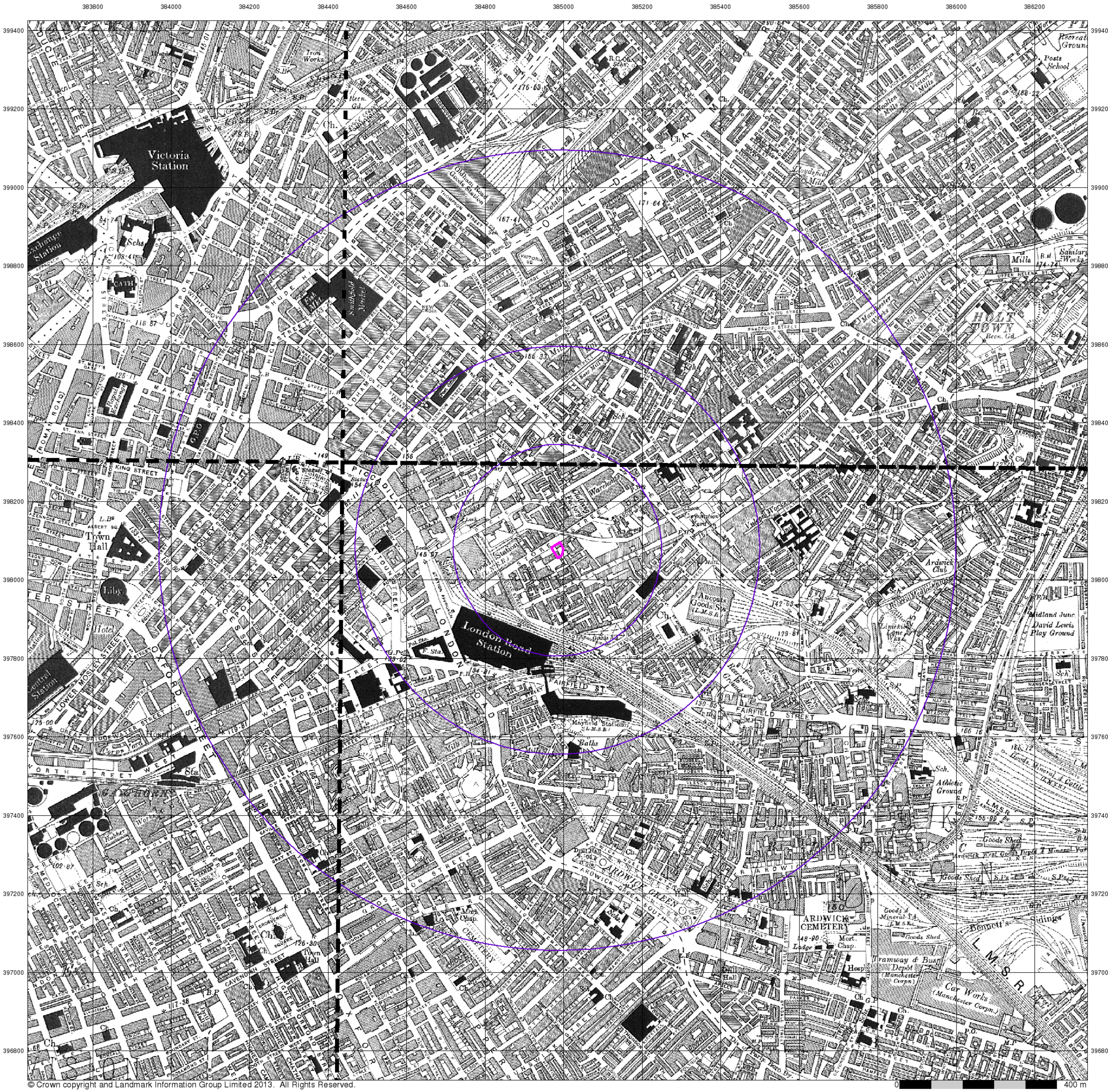
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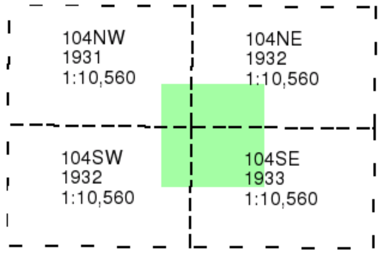
Lancashire And Furness

Published 1931 - 1933

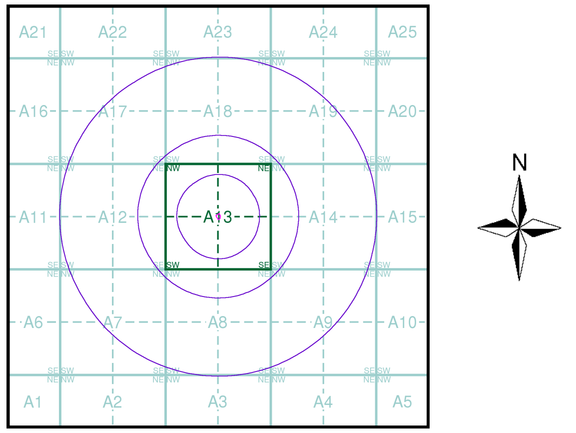
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Map Name(s) and Date(s)



Historical Map - Slice A



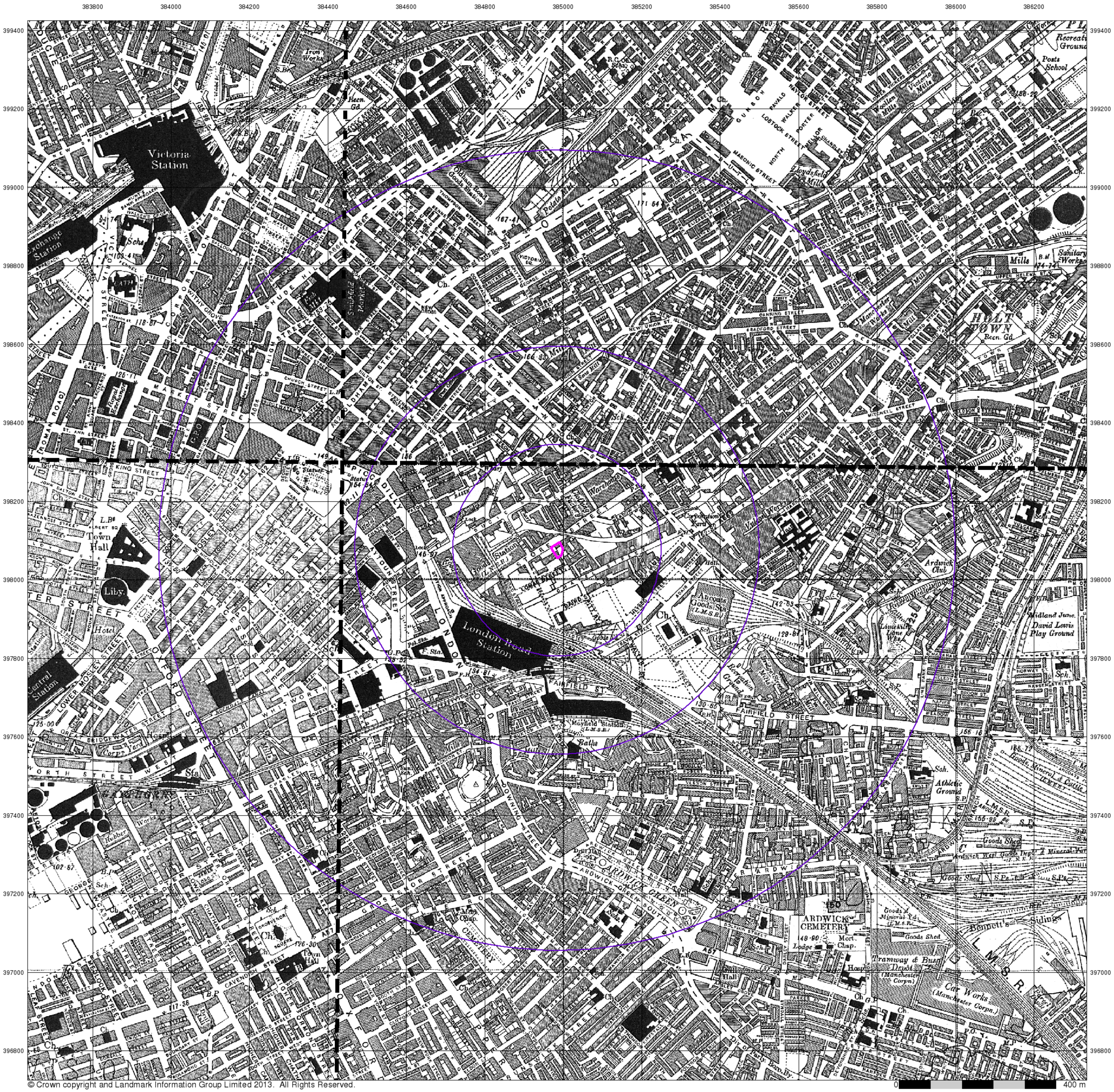
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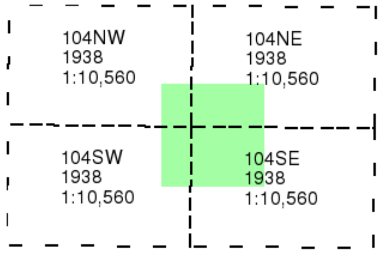
Lancashire And Furness

Published 1938

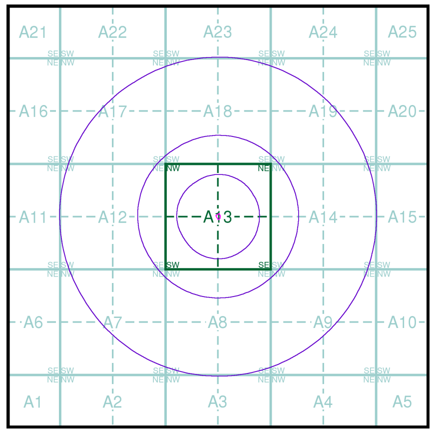
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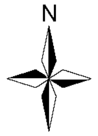
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Map Name(s) and Date(s)



Historical Map - Slice A





Order Details

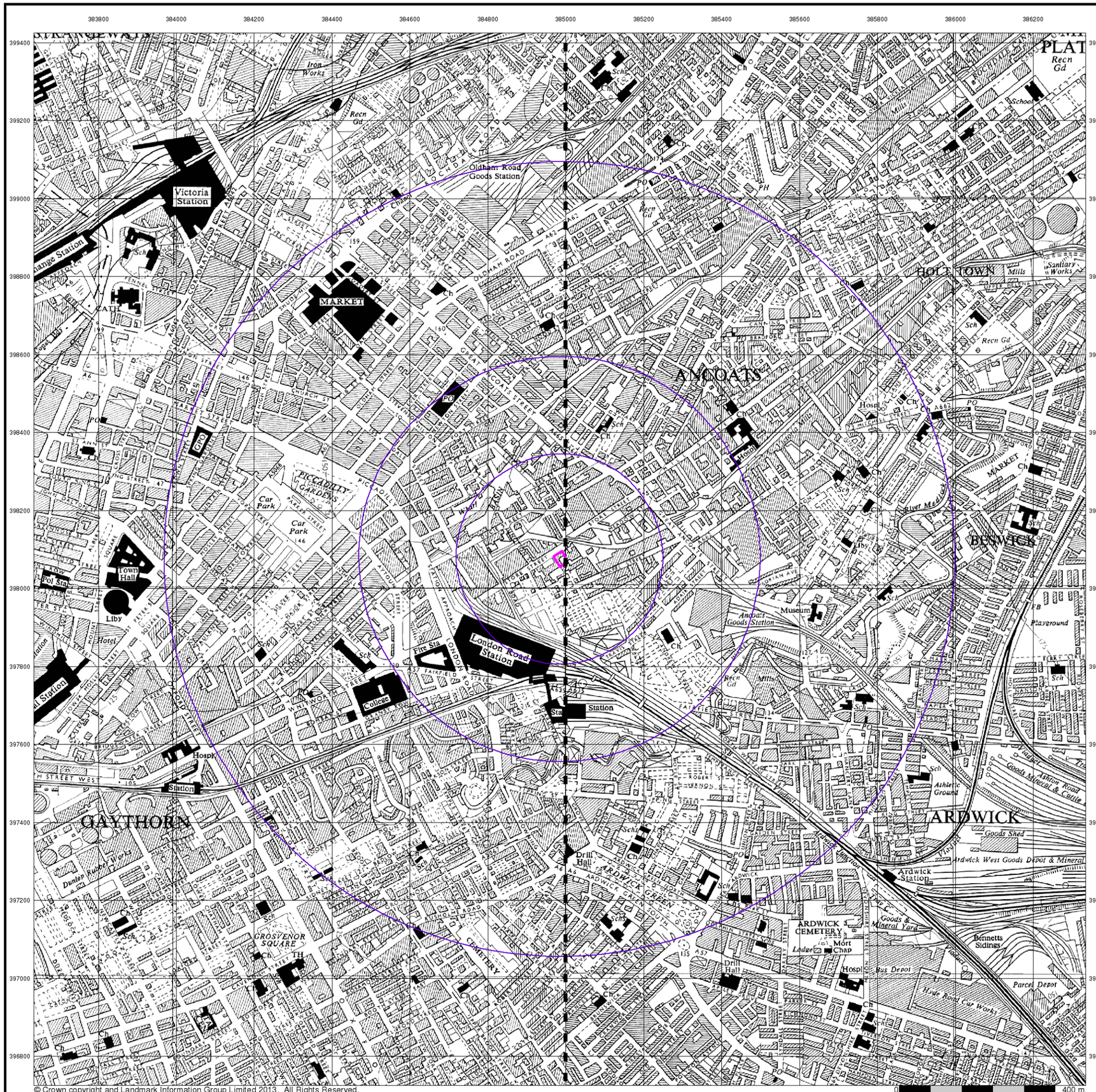
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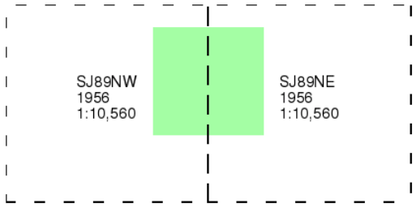
Ordnance Survey Plan

Published 1956

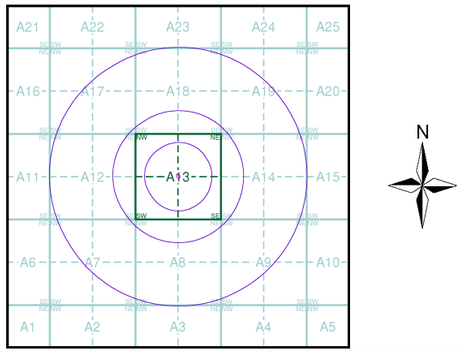
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

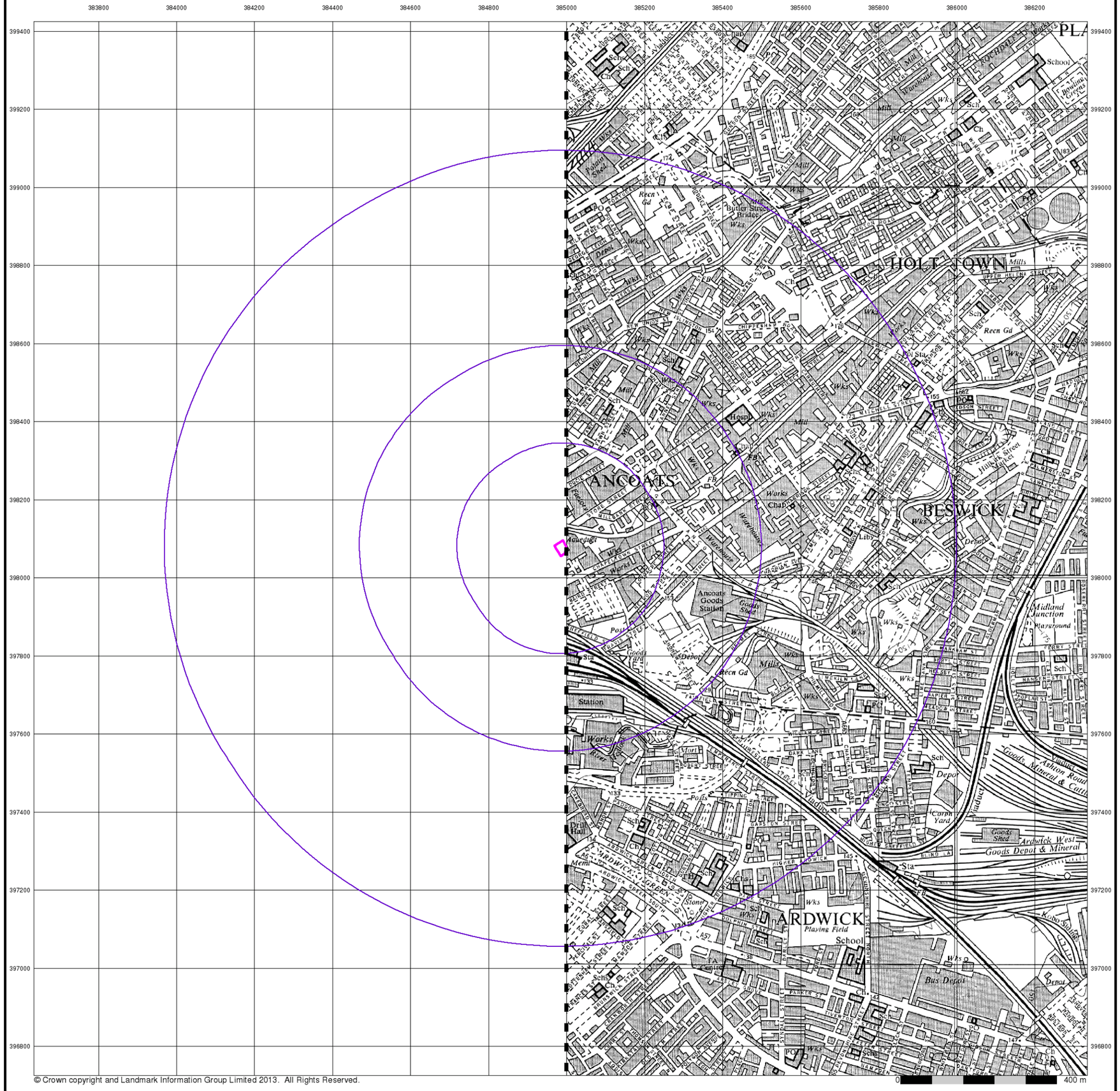
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Search Buffer (m):	1000

Site Details

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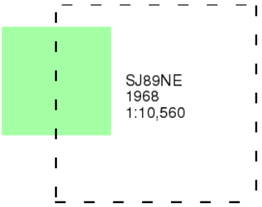
Ordnance Survey Plan

Published 1968

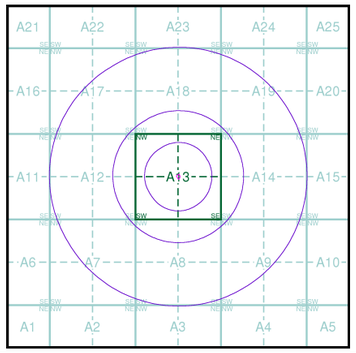
Source map scale - 1:10,000

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Map Name(s) and Date(s)



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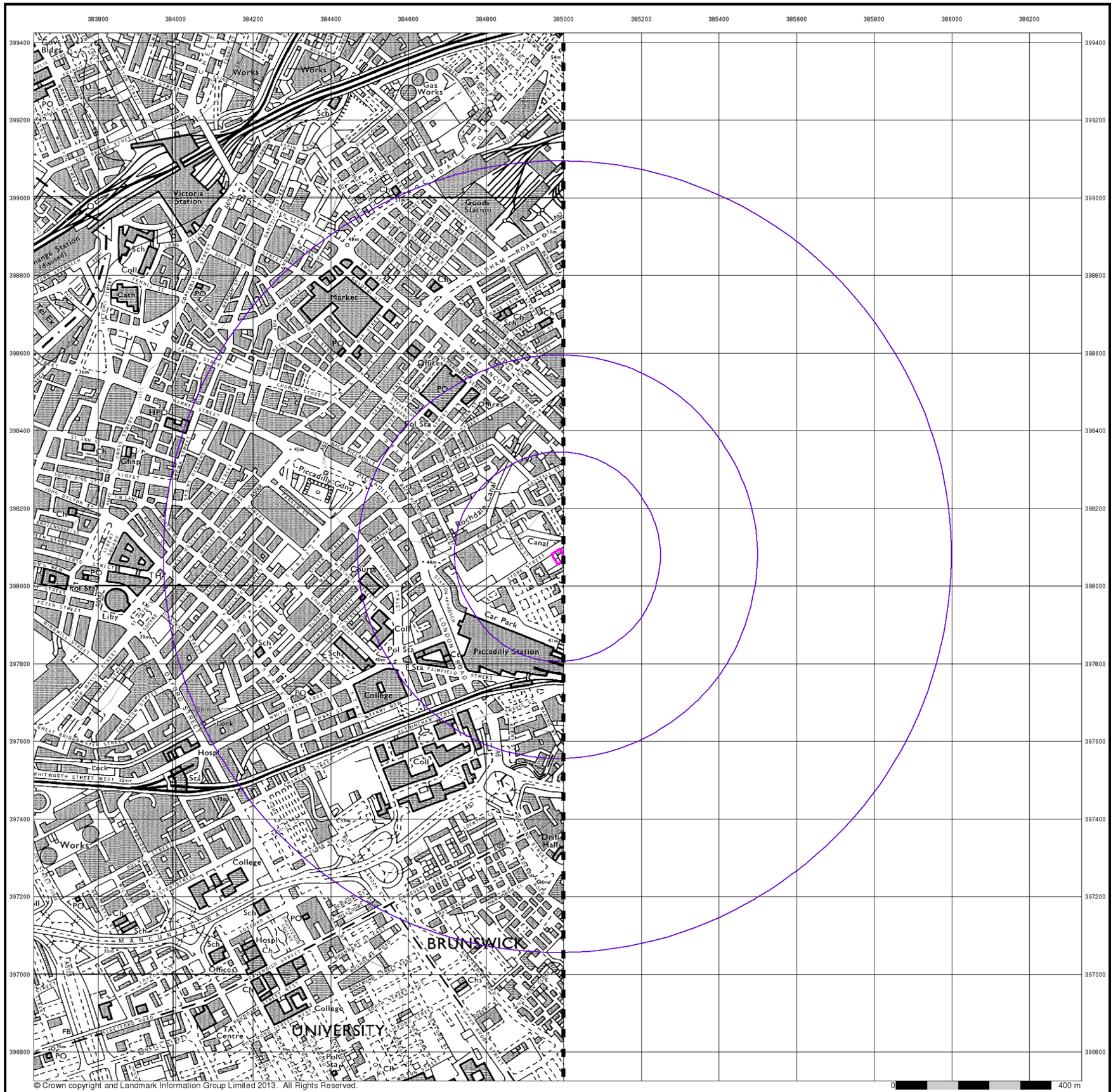
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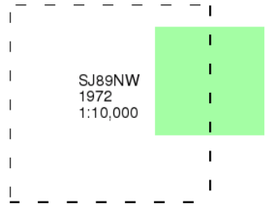
Ordnance Survey Plan

Published 1972

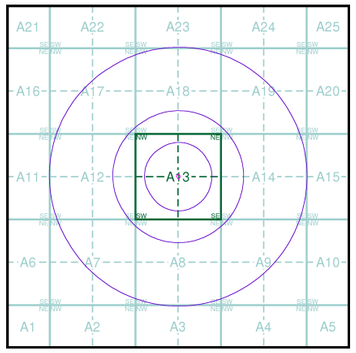
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	59513547_1_1
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Manchester

Published 1975

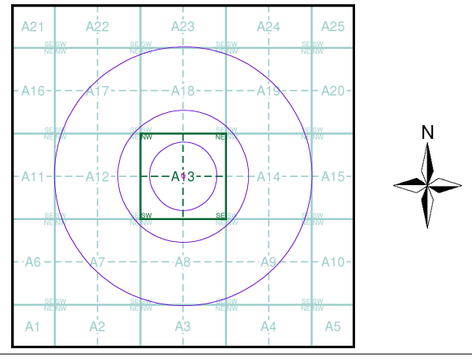
Source map scale - 1:25,000

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



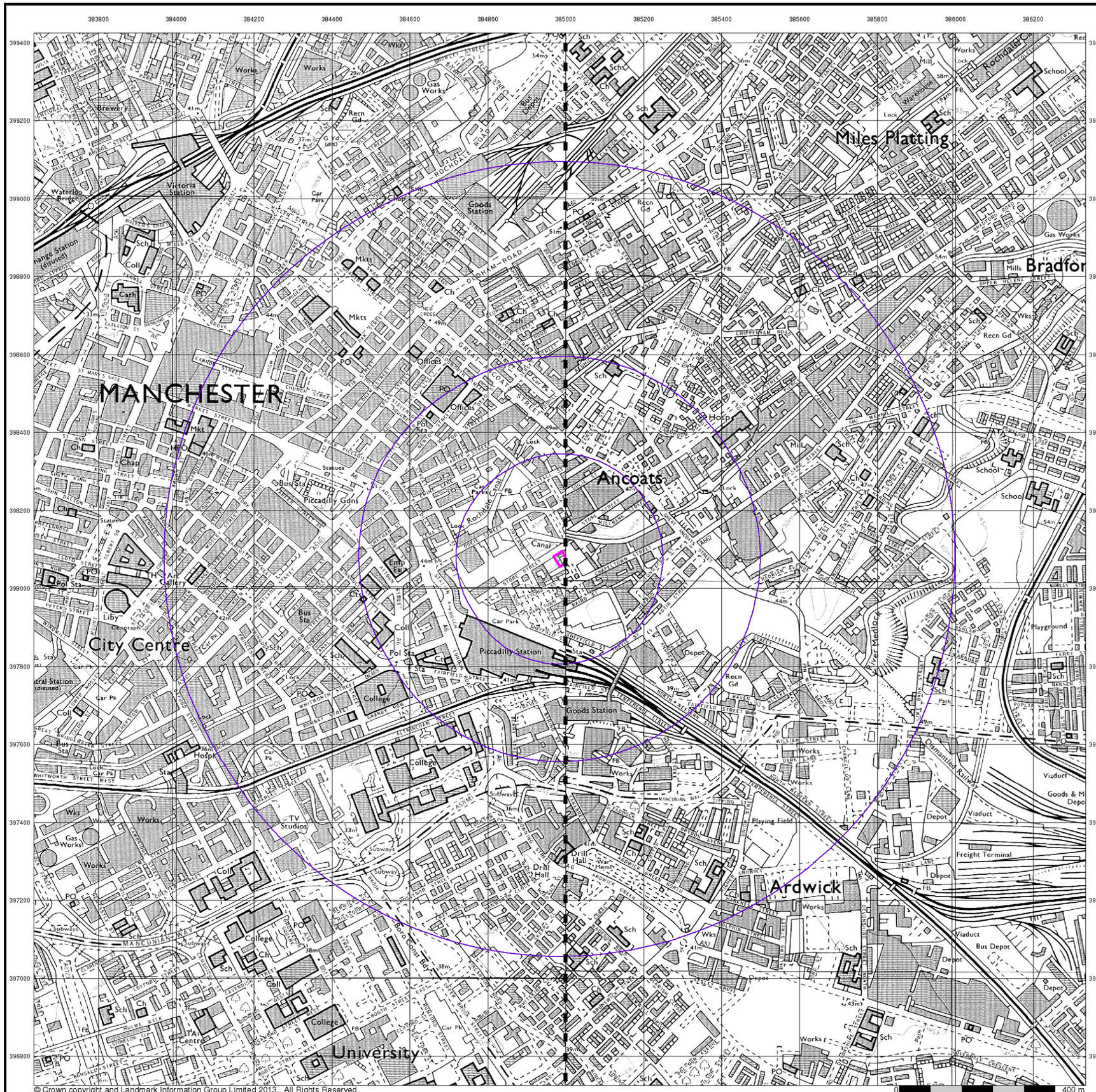
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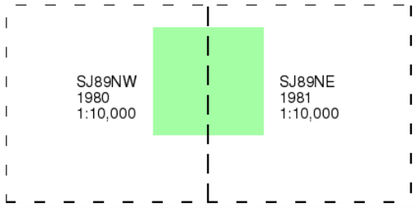
Ordnance Survey Plan

Published 1980 - 1981

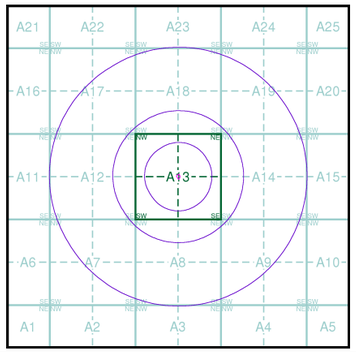
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

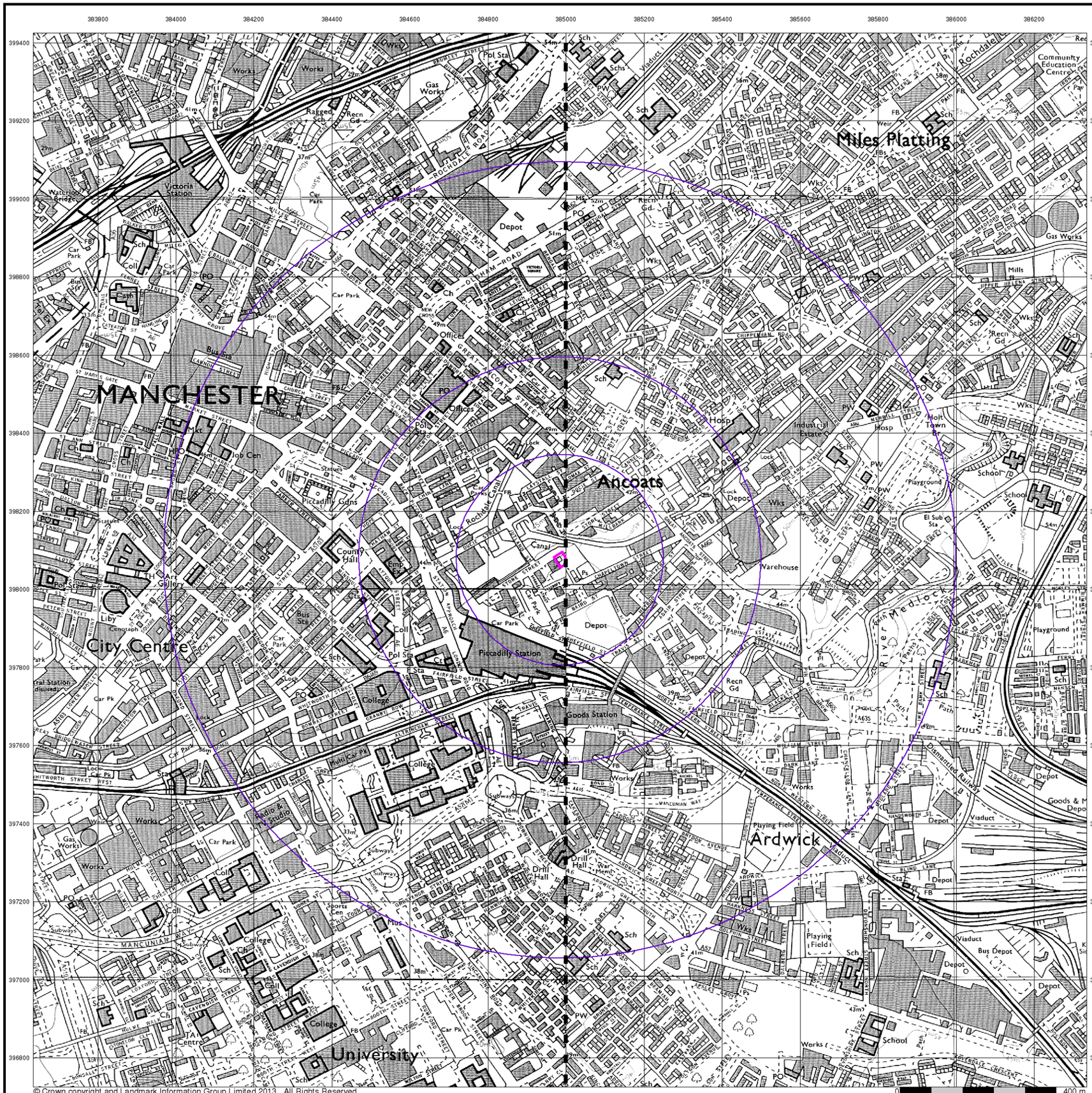
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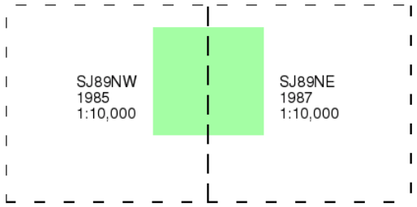
Ordnance Survey Plan

Published 1985 - 1987

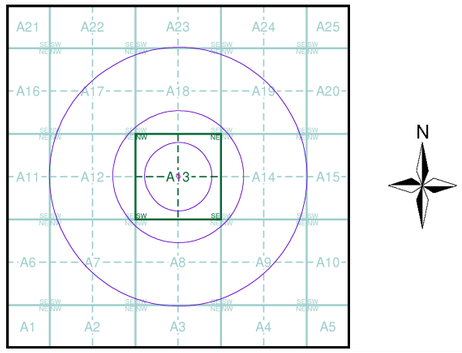
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



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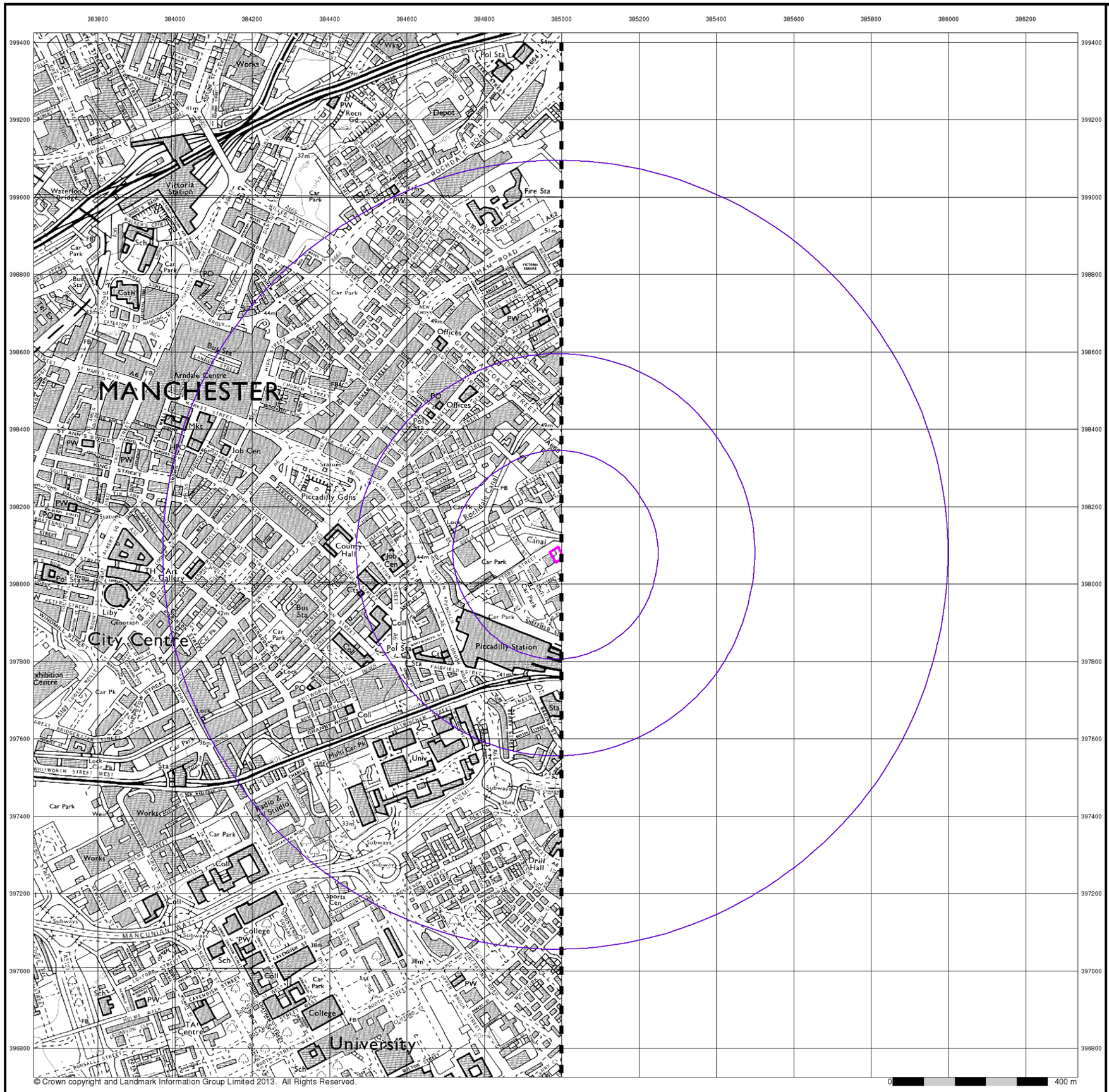
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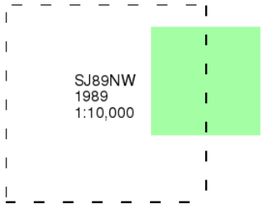
Ordnance Survey Plan

Published 1989

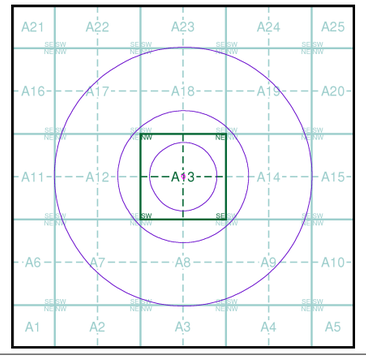
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Map Name(s) and Date(s)



Historical Map - Slice A



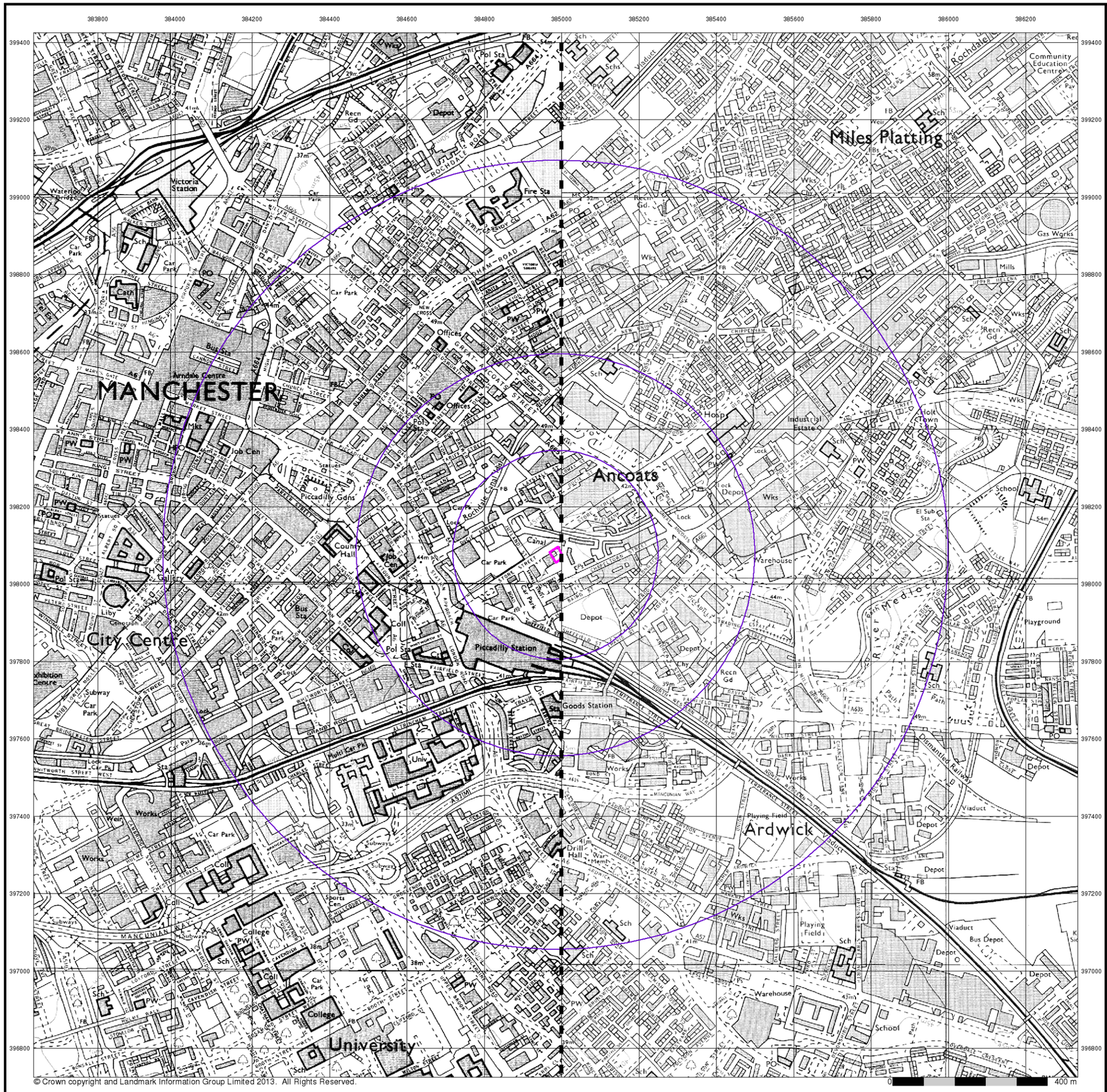
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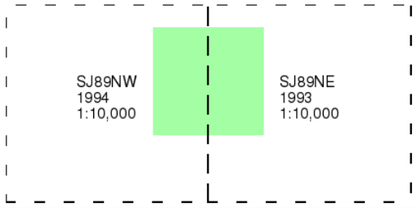
Ordnance Survey Plan

Published 1993 - 1994

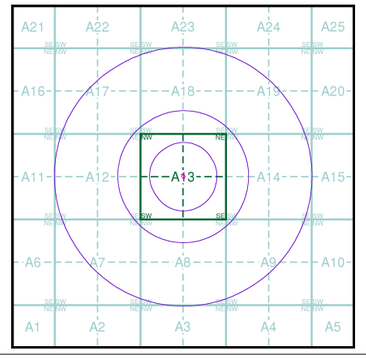
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Map Name(s) and Date(s)



Historical Map - Slice A



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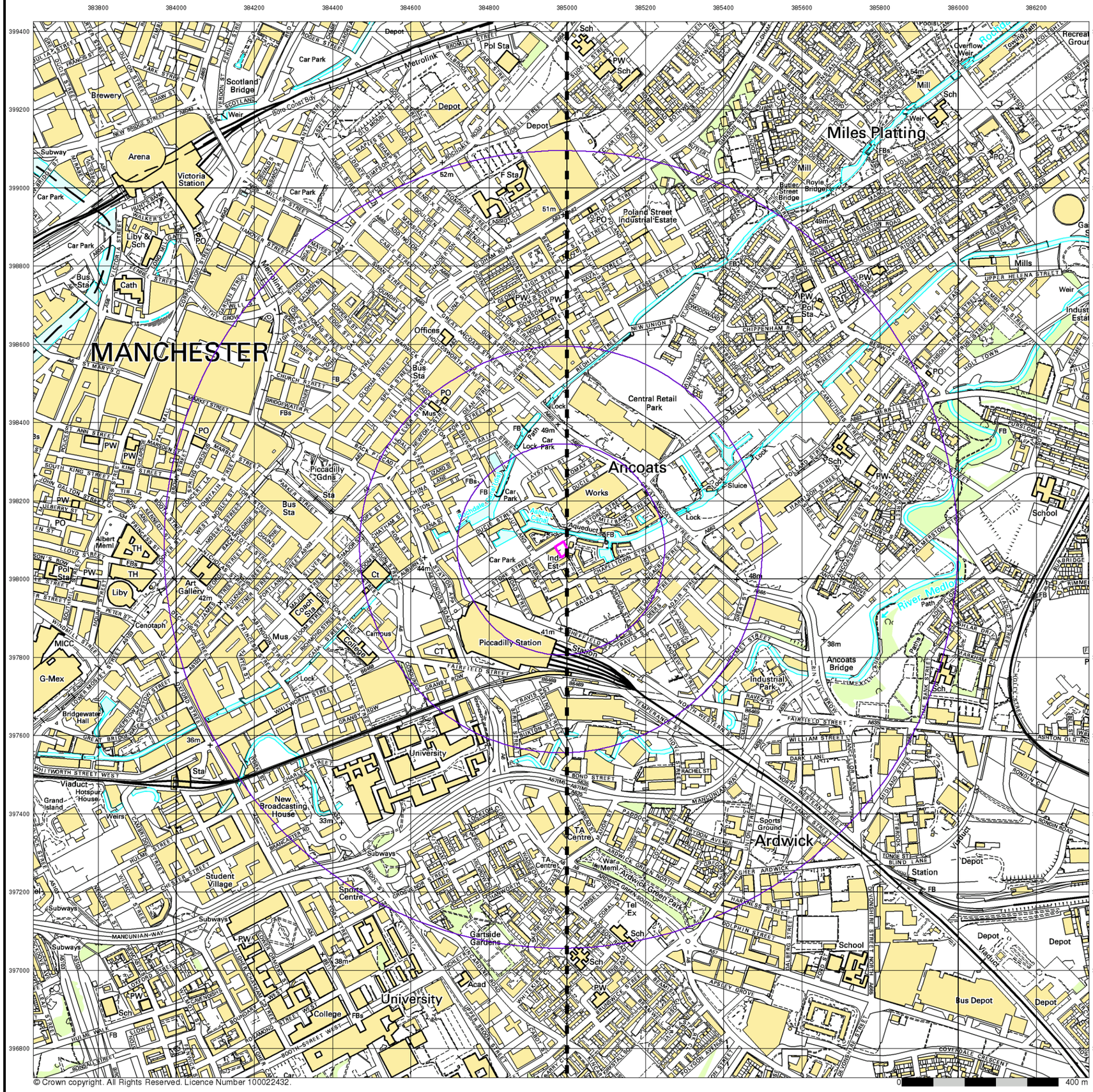
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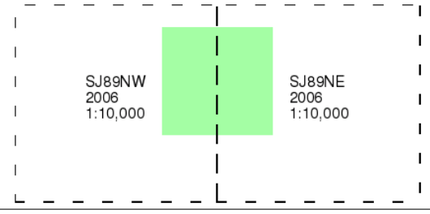
10k Raster Mapping

Published 2006

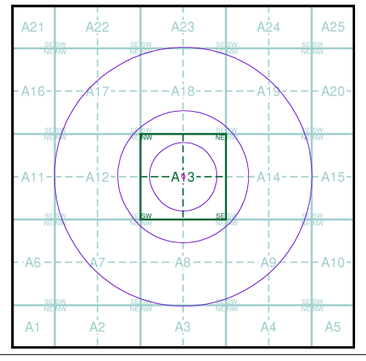
Source map scale - 1:10,000

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



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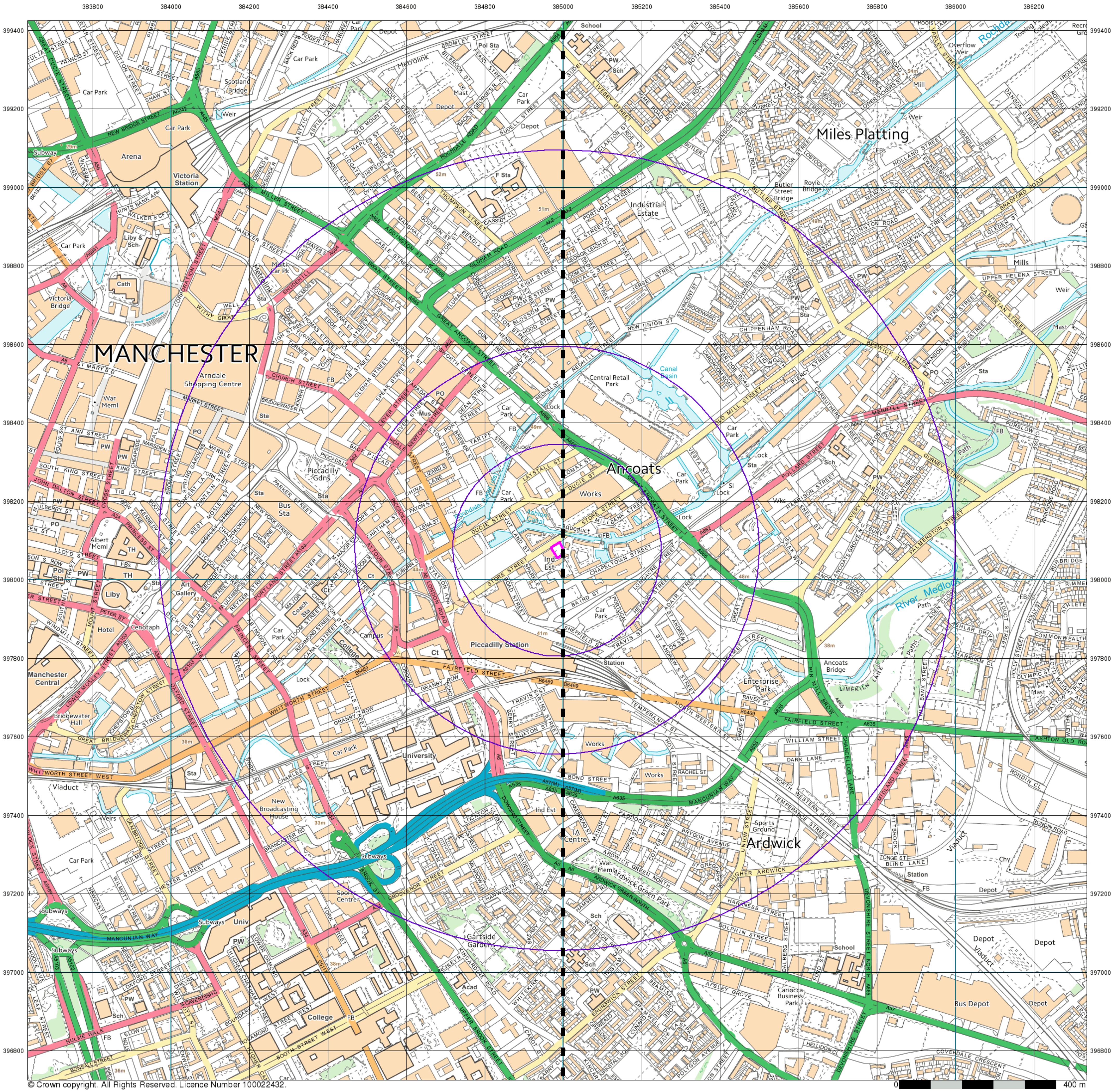
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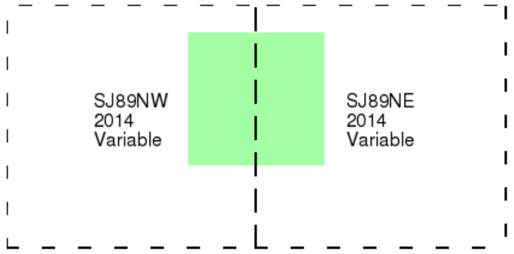
VectorMap Local

Published 2014

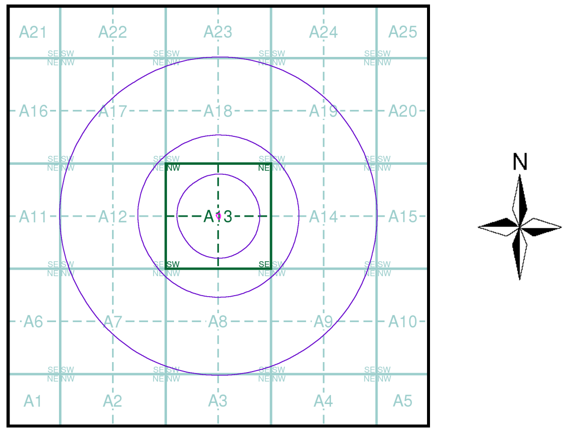
Source map scale - 1:10,000

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

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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

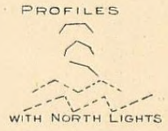
[H] OPEN
[H] OPEN TO STREET
[H] OPEN (WOOD FLAPS TO FLOORS.)
[H] ENCLOSED BRICK OR FIRE RESISTING WIRED GLASS DOORS
[H] ENCLOSED WOOD OR PLASTER

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)

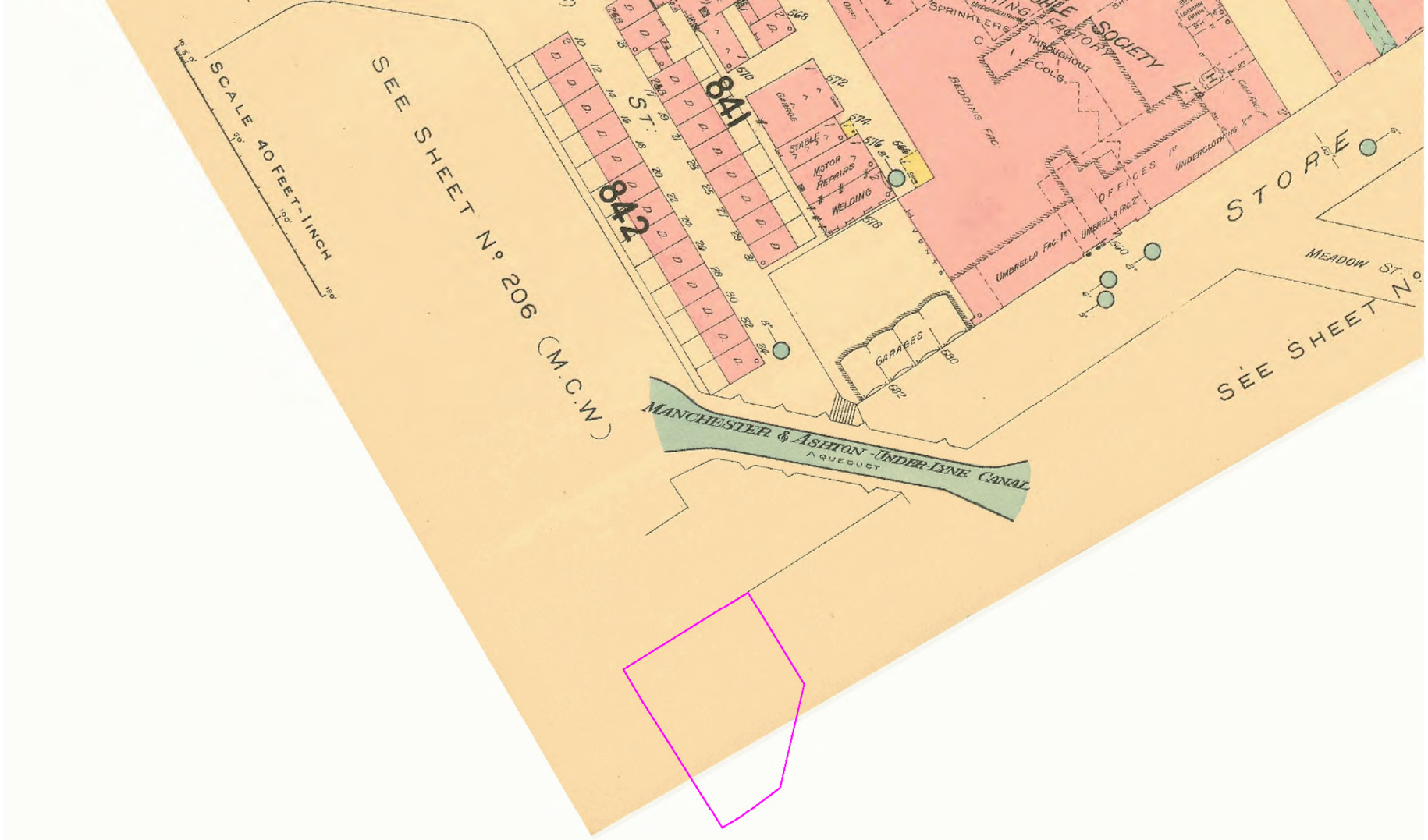
WHERE BUILDINGS TO WHICH THEY APPLIED ARE DEMOLISHED, STREET & ARBITRARY Nºs ARE SHOWN & CROSSED THROUGH ON REVISION

—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

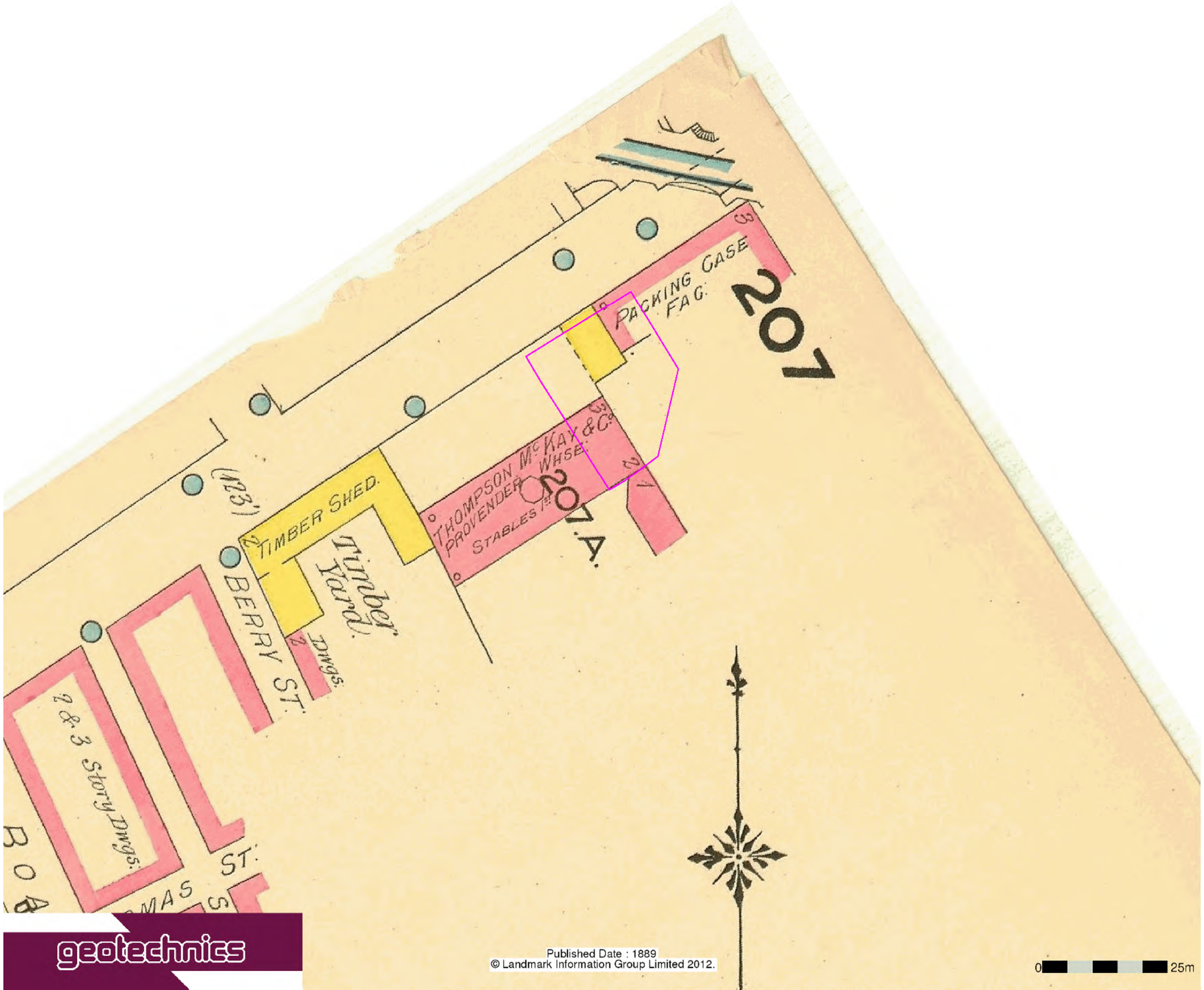
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0 25m



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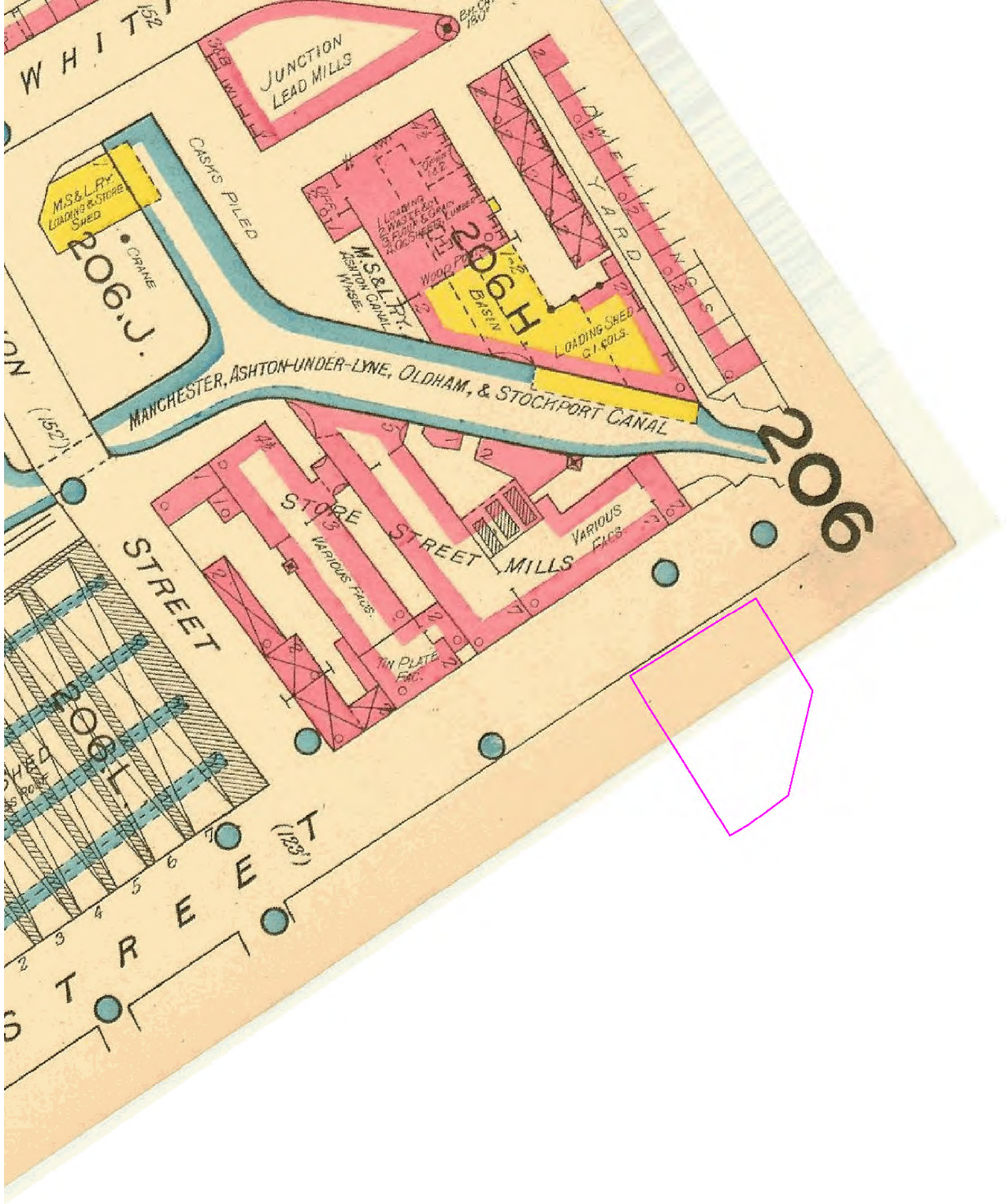
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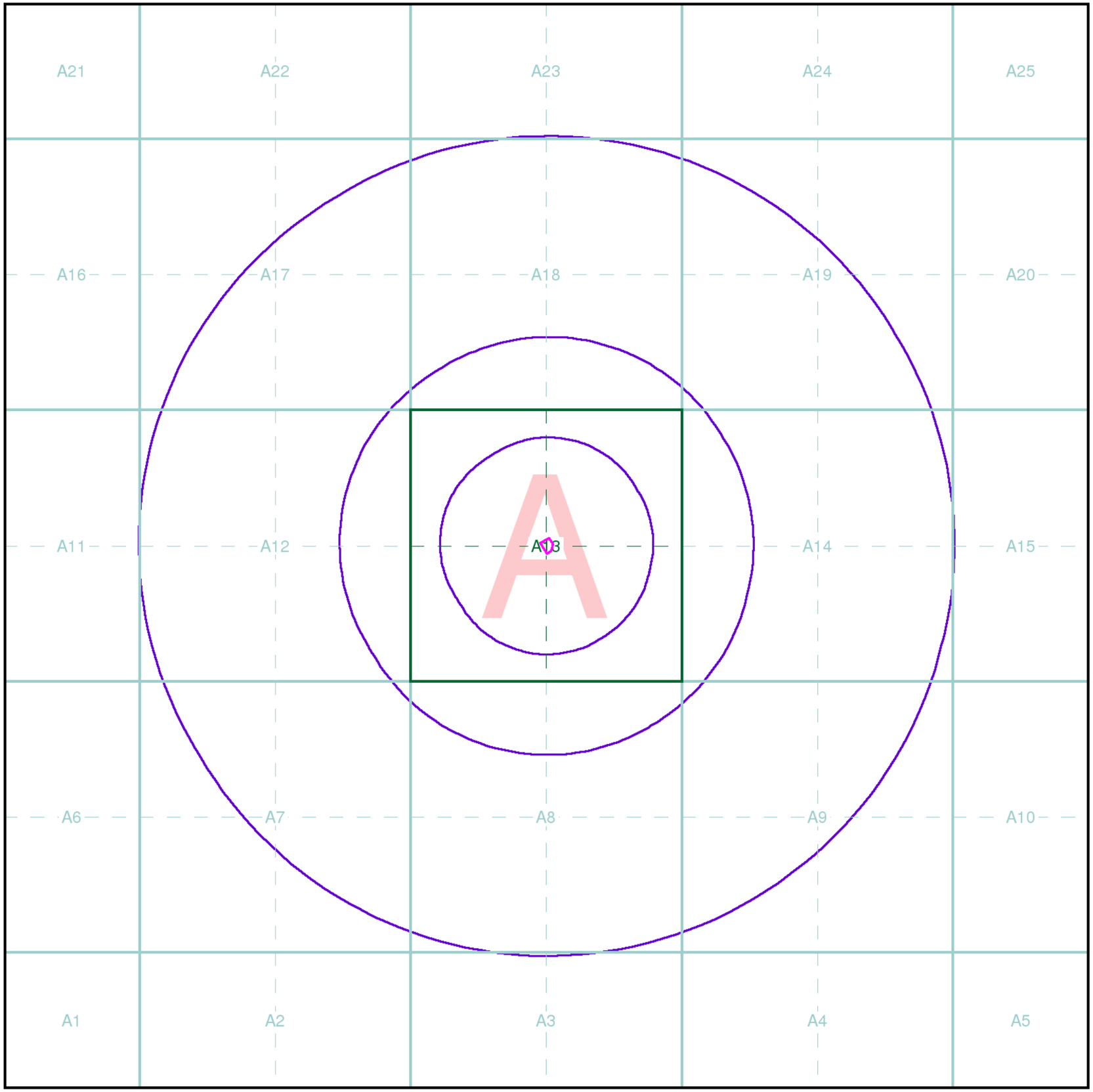
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0 25m



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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 Coal Authority --

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.

© The Coal Authority

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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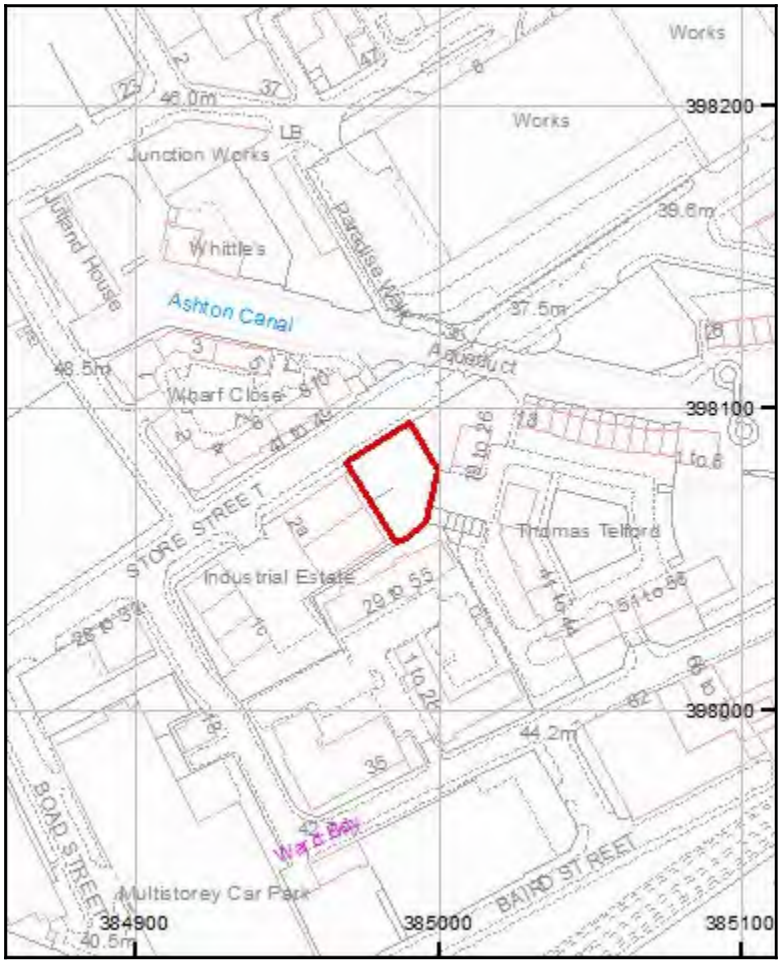
Location map

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

From: m.rahman@manchester.gov.uk
Sent: 01 September 2014 16:50
To: John Knowles
Cc: Colin Dodd
Subject: Re: FW: Store Street Residential Development, Manchester
Attachments: Store Street.pdf; PN143226 Plan.pdf

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 Rahman
Neighbourhood Officer - Environmental Protection
City Wide Support - Environmental Health

Growth & Neighbourhoods
Manchester City Council
1 Hammerstone Road,
Gorton,
Manchester,
M18 8EQ

Tel: Contact Manchester 0161 234 5004
Tel. Internal: 800 1381
Fax: 0161 234 7309
email: m.rahman@manchester.gov.uk
web site: http://www.manchester.gov.uk

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You can find out more by visiting www.manchester.gov.uk/electoralregister

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John Knowles <JKnowles@geotechnics.co.uk>

01/09/2014 16:08

To "'m.rahman@manchester.gov.uk'" <m.rahman@manchester.gov.uk>

cc

Subject FW: Store Street Residential Development, Manchester

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

From: Colin Dodd
Sent: 28 August 2014 09:12
To: 'm.rahman@manchester.gov.uk'

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

The Geotechnical Centre
Unit 1 Borders Industrial Park | River Lane | Saltney | Chester CH4 8RJ
Tel: 01244 671117 Direct Dial: 01244 360168
email: cdodd@geotechnics.co.uk



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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

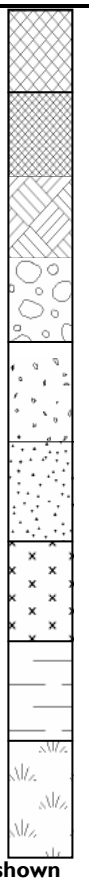


Seal

Filter

Seal

Strata



Made Ground Granular

Made Ground Cohesive

Topsoil

Cobbles and Boulders

Gravel

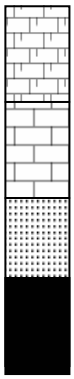
Sand

Silt

Clay

Peat

Note: Composite soil types shown by combined symbols



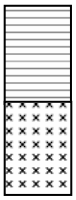
Chalk

Limestone

Sandstone

Coal

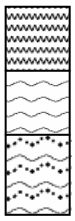
Strata, Continued



Mudstone

Siltstone

Metamorphic Rock

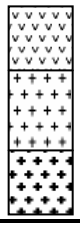


Fine Grained

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 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

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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.

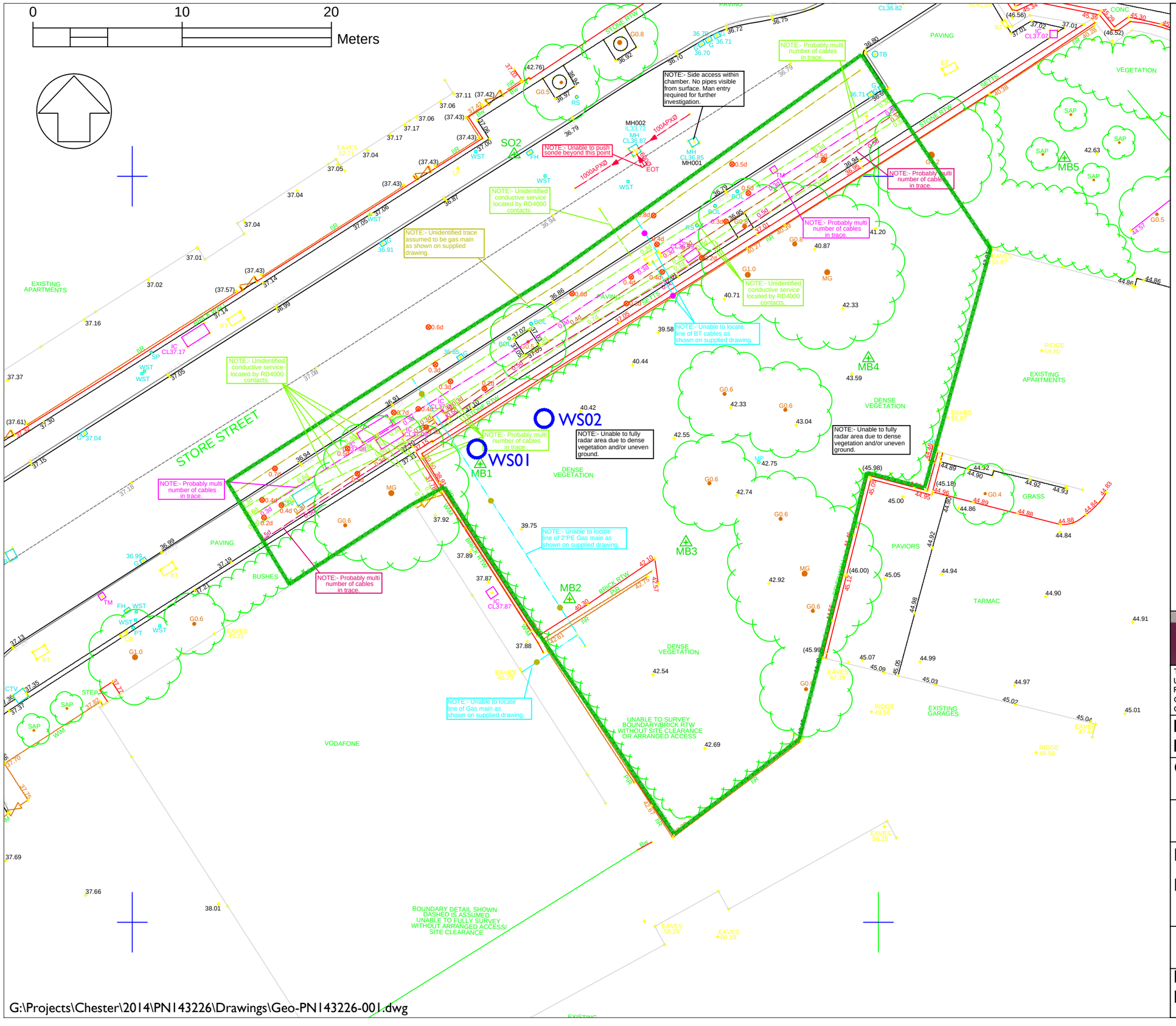
All dimensions are in metres.

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:

Paul Lee-Boden BSc
Project Manager

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	

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

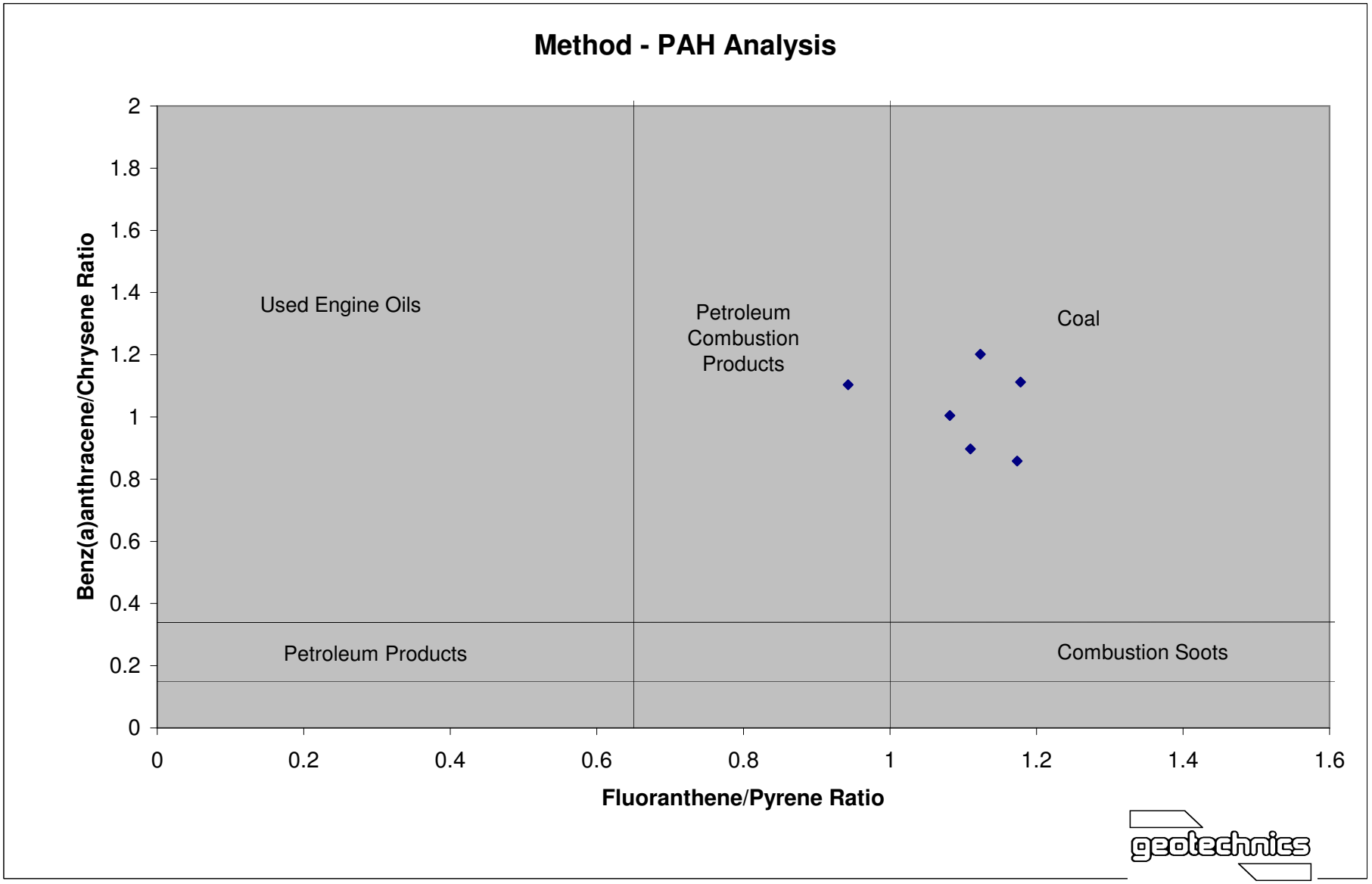
Test Method No.	Description	Prep Method No. (if appropriate)	Description	UKAS	MCERTS (soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 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


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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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

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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

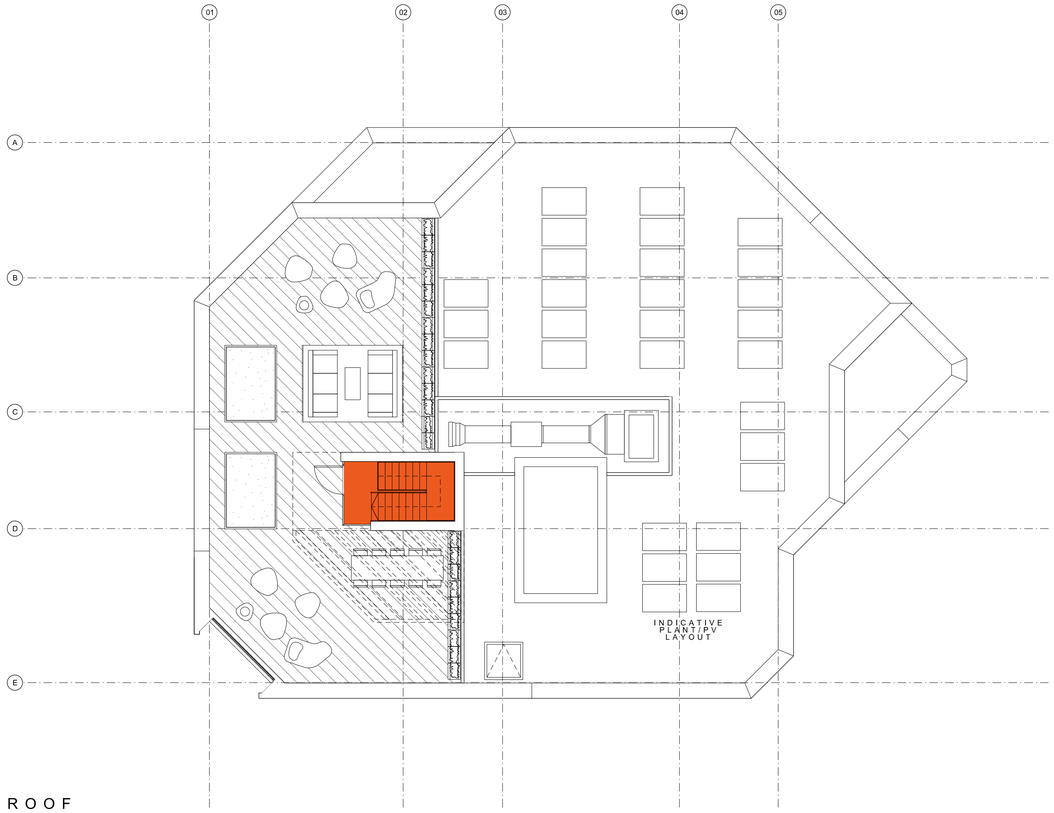
⚠ CONSTRUCTION - It is considered that the proposed works are within the scope of a competent Contractor and as such no unusual hazards have been identified, refer to relevant Keyr Scheduls/ Designers Risk Assessment

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



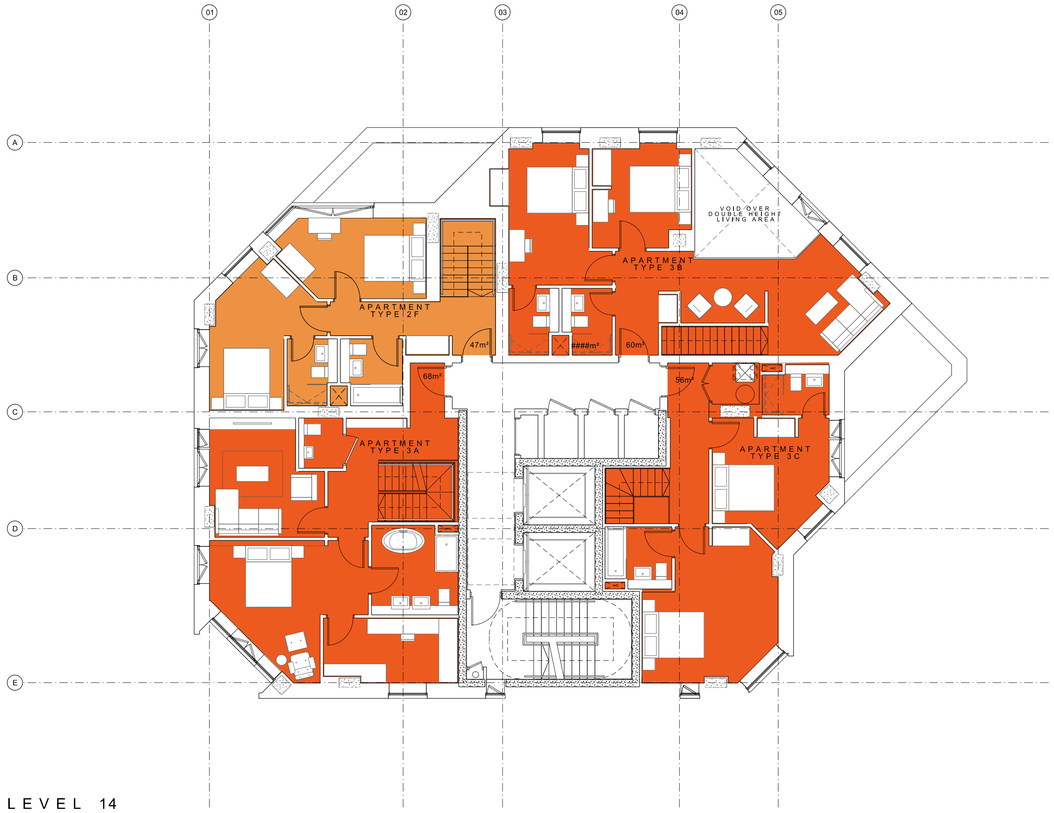
LEVEL 13



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

5plusarchitects.com

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:
05868_	B1_02_2212	0

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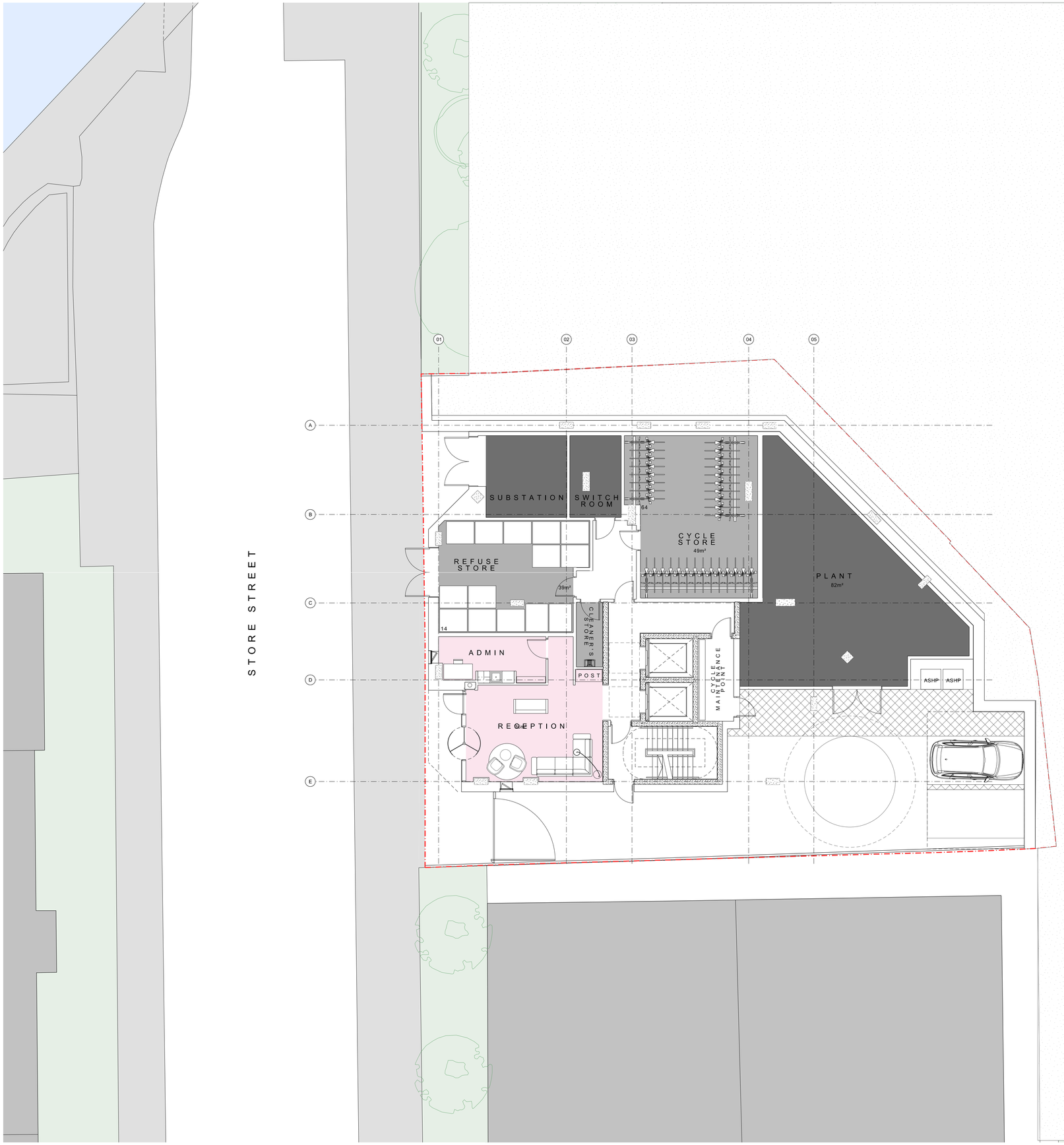
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CONSTRUCTION - It is considered that the proposed works are within the scope of a competent Contractor and as such no unusual hazards have been identified, refer to relevant Keyr Scheduled Designers Risk Assessment

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

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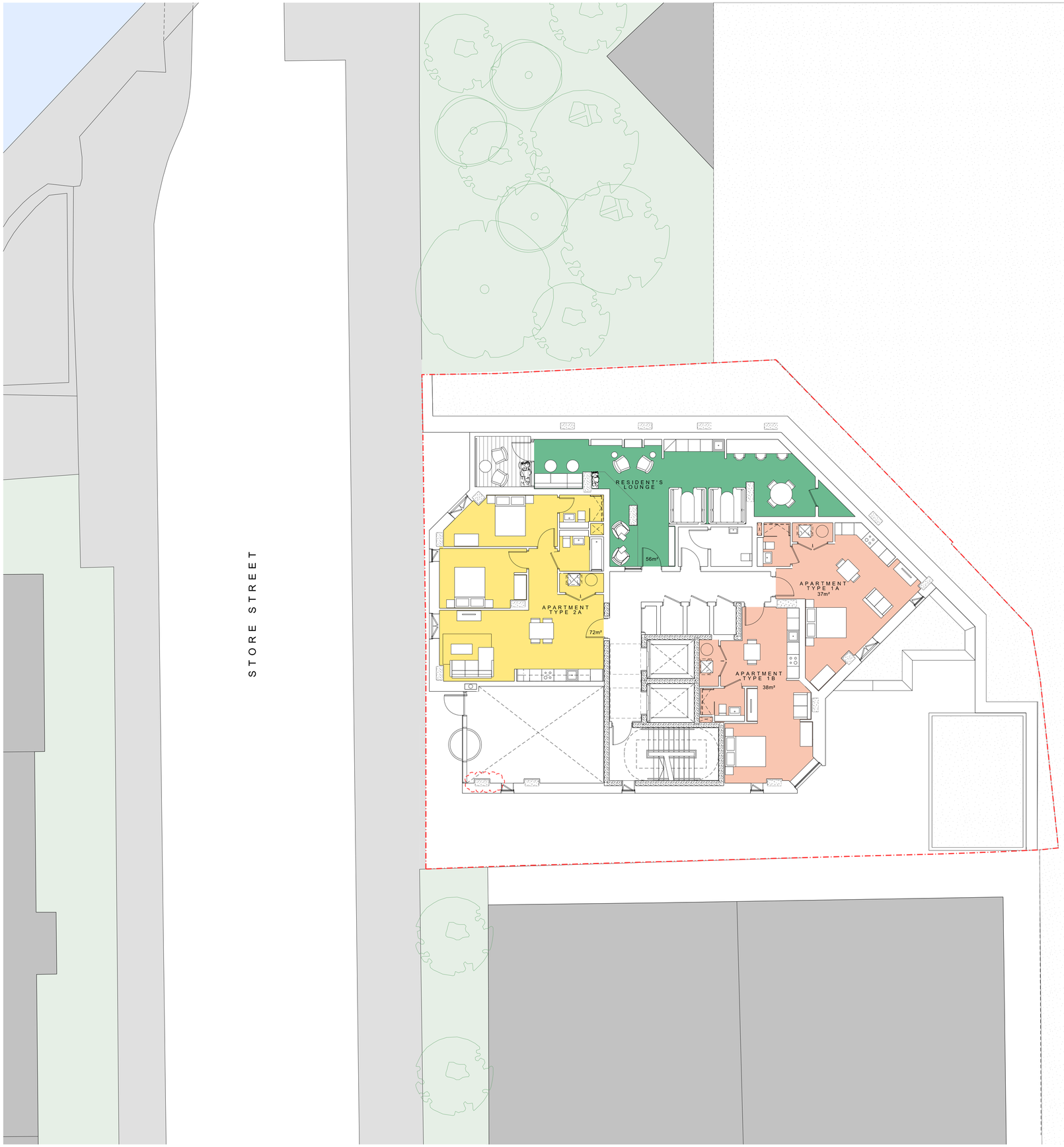
PROJECT:
M1 Piccadilly
Store Street

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

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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:
05868_	B1_02_2201	D

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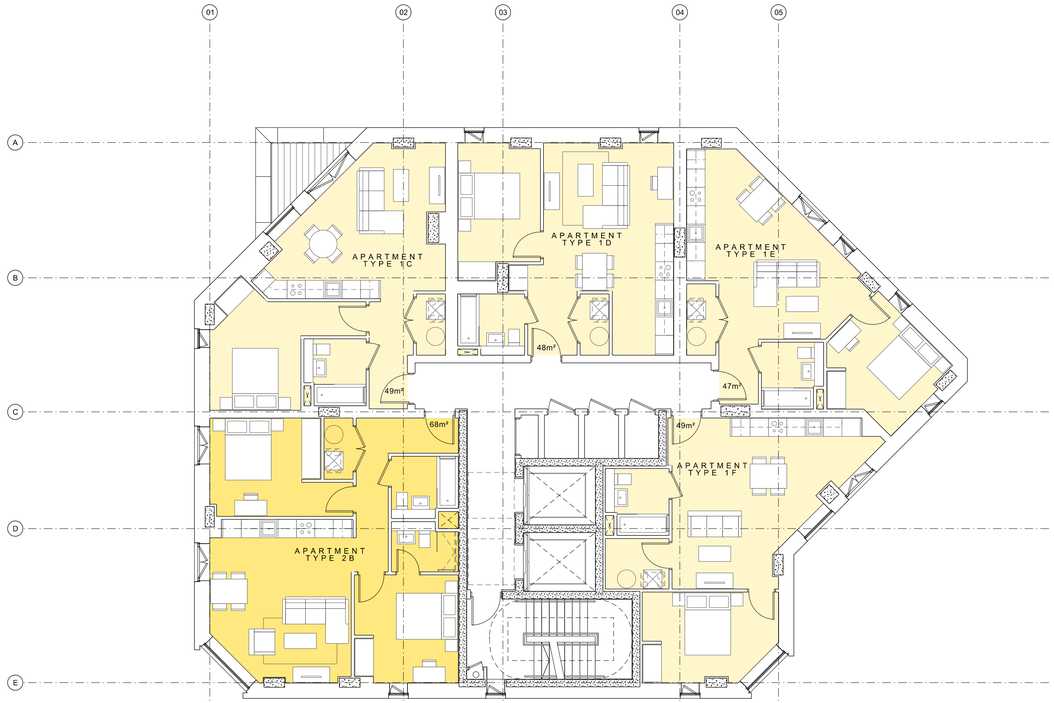
⚠ CONSTRUCTION - It is considered that the proposed works are within the scope of a competent Contractor and as such no unusual hazards have been identified, refer to relevant Keyr Schedule/ Designers Risk Assessment

KEY PLAN:

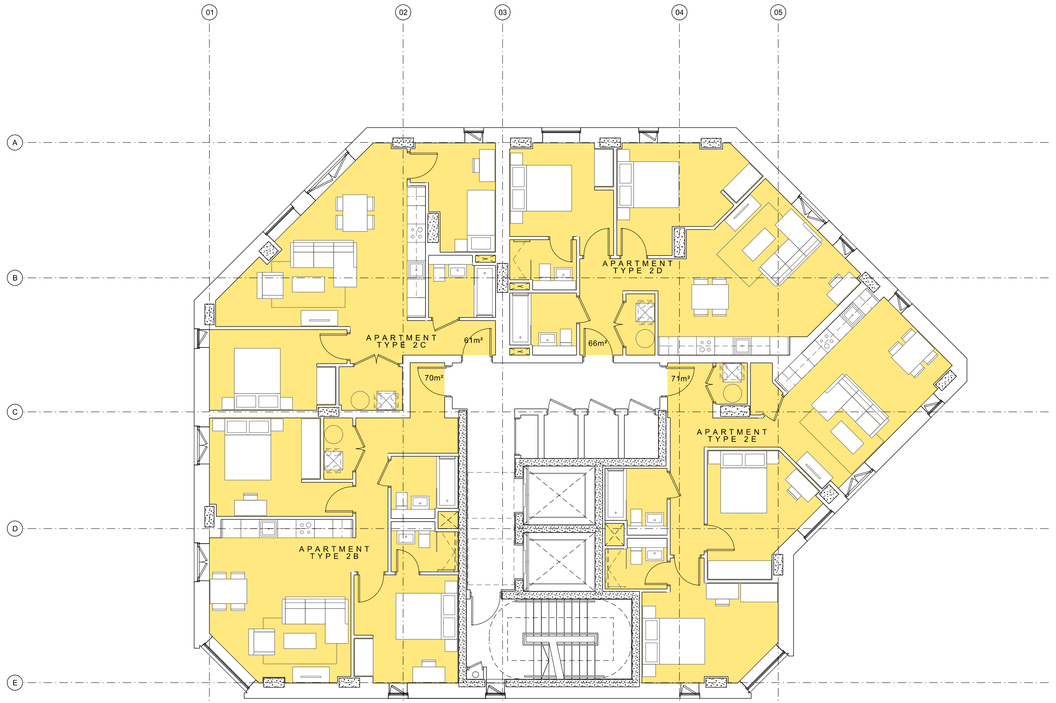
- Application Boundary
- Studio
- One Bed Apartment
- Two Bed Apartment
- Two Bed Duplex
- Three Bed Duplex
- Reception
- Resident's Lounge
- Refuse / Cycle Store
- Plant Space
- Terrace



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.

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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. - Short term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource. - Catastrophic damage to buildings/properties. - 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. - Major spillage of contaminants from site into controlled waters. - 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). - Pollution of sensitive water resources (note Water Resources Act contains no scope for considering significance of pollution). - 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. - Leaching of contaminants from a site to a major or minor aquifer (Principal and Secondary). - Death of a species within a designated nature reserve.
Mild	- Pollution of non-sensitive water resources. - Significant damage to crops, buildings, structures and services ('significant harm' as defined in DETR, 2000). - Damage to sensitive buildings / structures / services or the environment.	- Pollution of non-classified groundwater. - 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. - Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.). - Easily repairable damage to buildings, structures and services.	- The presence of contaminants at such concentrations that protective equipment is required during site works. - The loss of plants in a landscaping scheme. - 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. - 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. - 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. - This risk, if realised, is likely to results in a substantial liability. - 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. - Realisation of the risk is likely to present a substantial liability. - Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term.
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. - 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.