Lovell Partnerships

Desk Study
&
Ground Investigation Report

for

Miles Platting Area 3.1, Manchester

June 2017

REPORT NO: 17LPL051/DSGI

- *Desk Studies and Site Walkovers*
- *Intrusive Contaminated Land Investigations*
- *Geotechnical Appraisals and Ground Investigations*
- *Landfill Gas Assessments and Remedial Design*
- *Remediation Design and Implementation*
- *Remediation Project Management and Supervision*
- *Site Abnormal Assessments (Foundations and Contaminated Land)*

GEOTECHNICAL - CONTAMINATED LAND - FLOOD RISK

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1 EXECUTIVE SUMMARY

Note – *The following summary is not exhaustive and is to be used for guidance purposes only. The full report should be consulted for full details.*

1. **Site Location**
   The site is located south of Oldham Road and east of Butler Street, Miles Platting, Manchester, M4 6BZ. The coordinates on National Grid are 385285, 399073. The proposed site is approximately 1.09 hectares in total.

2. **Site Description**
   On Site
   The site is irregular in shape and comprises of several areas of grassed open space, separated by several tarmac roads (Butler Lane, Portugal Street and Rigel Street) and public footpaths.

   The grassed areas surrounding the former buildings are mounded at the edges. A line of trees is located on the southern and western site boundary. Several bollards are also present within the roadway areas.
   Topography of the site is generally flat (apart from the mounding around former building footprints) with levels approximately at 57m - 58m AOD.

   Surrounding Area
   Surrounding land uses for the site are as follows:

   North – Immediately N is Oldham Road with a mixture of residential dwellings and parcels of land that are currently being redeveloped beyond to 440m N. 440m – 450m N is a railway line with industrial buildings beyond.
   East – 0m – 500m E is a mixture of residential dwellings, flats and public open space.
   South – 0m – 160m S are residential dwellings. 160m S is the Rochdale Canal with a mixture of residential dwellings, industrial buildings and public open space beyond.
   West – 0m – 500m W is a mixture of residential dwellings, flats and open waste land.

3. **Proposed Development**
   The proposed construction of a combination of high and low rise residential dwellings, soft landscaping and infrastructure.

4. **Site History**
   On Site
   The earliest map is the 1848 1:10,560 map which shows the site as predominately residential terraced dwellings with several streets/roadways present in between.

   Circa 1908, No further significant changes occur on site until circa 1948 – 1949 where the majority of residential dwellings in the centre of the site are no longer shown, and instead are replaced by two (2 No) warehouses, a rainwear factory and two (2 No) bag factories. Residential dwellings remain on the southern and western edges of site.

   The residential dwellings along the western edge of site are no longer shown circa 1966 – 1968 and one (1 No) of the factory buildings is no longer shown in the eastern area of site circa 1985 – 1987. The remaining factory building is no longer shown circa 1999.

   The site is then cleared of any buildings circa 2017.

   Surrounding Area
   The surrounding area has predominately been residential since historic maps began. The majority of the residential dwellings have been demolished and redeveloped over the course of the historic maps, with the majority of redevelopment occurring post circa 1990.

   A number of mills (mainly cotton but some iron works and print works) are shown on the 1893 1:2,500 map and are located >100m S and W of site. The industrial area to the W of site is shown as Poland Street Industrial Estate circa 1999 and the industrial area to the S of site is no longer shown circa 2017.

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5. Published Geology

The BGS map shows the geology beneath the site as the following:

- **Glacial Till –** Sandy gravelly CLAY.
- **Collyhurst Sandstone Formation** – Sandstone

6. Hydrogeology and Hydrology

- The superficial deposits of Devensian Till are classed as Unproductive Aquifers (Very Low Permeability).
- The bedrock deposits of the Collyhurst Sandstone Formation are classed as Principal (High Permeability).
- The site does not lie within a Groundwater Source Protection Zone as defined by the Environment Agency.
- The nearest surface water feature is Rochdale Canal 157m SE of the site.

7. Summary of Environmental Data

Possible Contamination Sources and risk levels are shown below;

- **Current Land Use On Site –** No
- **Historical Land Use On Site –** Yes

In this qualitative risk assessment, a **Moderate** risk implies that remedial action is likely to be necessary at the site, the likes of which cannot be confirmed until the geotechnical and contamination ground investigation has been completed.

8. Scope of Investigation

The fieldwork was carried out on the 15th and 23rd May 2017 for both trial pitting and Cable Percussive Drilling and included the following:

- Thirteen (13 No) machine excavated trial holes between 2.80mbgl (TP2) and 3.00mbgl.
- Four (4 No) cable percussive boreholes installed with gas and groundwater monitoring wells to depths of between 1.00 and 3.50mbgl, followed by a proposed six (6 No) ground gas monitoring visits over a period of at least three months with varying barometric pressures.
- Chemical analysis (Metals, PAH's, TPH's) of nineteen (19 No) samples.
- Analysis of nineteen (19 No) samples for asbestos screening.
- Analysis of ten (10 No) samples for pH and water-soluble sulphates.
- Seven (7 No) samples for geotechnical analysis.

Geotechnical Constraints

- Existing and redundant services across site.
- Potential tree heave as cohesive stratum anticipated.
- Former basements and other obstructions.

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9. Ground Conditions Encountered

Ground conditions consisted of several varieties of MADE GROUND from ground level to 3.50mbgl. Generally stiff to very stiff brown mottled grey occasionally sandy slightly gravelly CLAY was underlain by very dense reddish-brown fine to coarse very gravelly SAND. Gravel is fine to coarse subangular to subrounded of sandstone or SHERWOOD SANDSTONE.

Olfactory and Visual Contamination

There was no significant visual contamination identified during the investigation. However, olfactory evidence was noted in TP1, TP4, TP5, TP6 and TP12.

Obstructions

Obstructions were not recorded within any locations; however, a number of refusals were recorded within the stiff and very stiff clays, and within bedrock. It is not clear if the refusals within the clay are due to oversized materials or the strength of the clay.

Groundwater Fieldwork and Post Fieldwork

Groundwater was recorded in BH01 during the fieldwork at a depth of 13.00mbgl, rising to 12.70mbgl. During subsequent monitoring, groundwater has been recorded between depths of 2.42 and 2.68mbgl in BH02 and BH04.

10. Contamination Assessment and Remedial Actions

Various PAHs, Lead and Asbestos was observed at the site at depths of between 0.20 and 2.80mbgl across topsoil and made ground strata.

Remedial actions are to comprise 600mm clean and inert capping, with a 'No Dig Barrier' membrane installed at the base of the capping. Capping should be installed to garden and landscaped areas. Otherwise, hardstanding will be sufficient to break the source-pathway-receptor linkages.

Groundwater and Aquifer Risk

No significant risks to groundwater aquifers and controlled waters are anticipated as significant cohesive clay strata is located beneath much of the site, and no significant mobile contamination within the soils has been identified.

11. Remedial Action

Depending on finished floor, roads and public open space levels, it may be possible to use the contaminated materials within the plots or public open space to reduce the need for disposal.

If these materials are to be reused, then they will be required to be at least 600mm below the finished levels in public open space or encapsulated by hardstanding.

If the levels do not allow the soils to be retained on site they will require disposal at a suitably licensed facility.

12. Off-Site Disposal of Surplus Soil

If there is the need to remove soil/made ground off-site it is recommended that the results of the contamination testing (including the history of the site) be presented to the proposed landfills, to obtain their acceptance of the information to date and to determine the actual WAC limits used by them. If moved to other sites for use, it is proposed to use the results of the contamination testing to determine if it is deemed suitable for re-use as topsoil or subsoil.

13. Specialist Ground Gas Measures

Ground gas monitoring is complete and no significantly elevated levels of ground gas have been detected. The site is classed as Green – no ground gas protection measures required.

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14. Foundations

The site will require an indicative foundation zoning plan, as suitable founding strata was identified at varying depths across the site, due to the structures varying heights. Due to the depths of Made Ground and height of the proposed structures at the site, a piled foundation solution is going to be required for all plots at the site.

A specialist piling foundation contractor should be consulted with regards to the design of the foundations.

15. Concrete Design

It is considered for concrete design purposes that a brownfield site with mobile groundwater conditions are applicable and the results indicate a Design Sulphate Class of DS-1 and DS-2 with a ACEC class of AC-1 as defined by BS8500-1:2006.

16. Heave / Shrinkage Potential

LOW to Moderate plasticity is evident; foundation design for tree heave protection could be designed accordingly following discussion with the NHBC.

17. Ground Floor Construction

Suspended floor construction e.g. either in situ RC slabs or block and beam flooring is recommended as per NHBC guidance.

18. Control of Groundwater

Groundwater was encountered on site, groundwater, as damp strata or moderate, ingress is anticipated at depths from 2.00mbgl.

It is likely that provision of pumping/shuttering will be necessary during excavation of foundation trenches during wet weather and to deeper excavations for sewers etc. It is good practice to have such equipment on standby in case of seasonal / abnormal weather conditions.

19. Highway

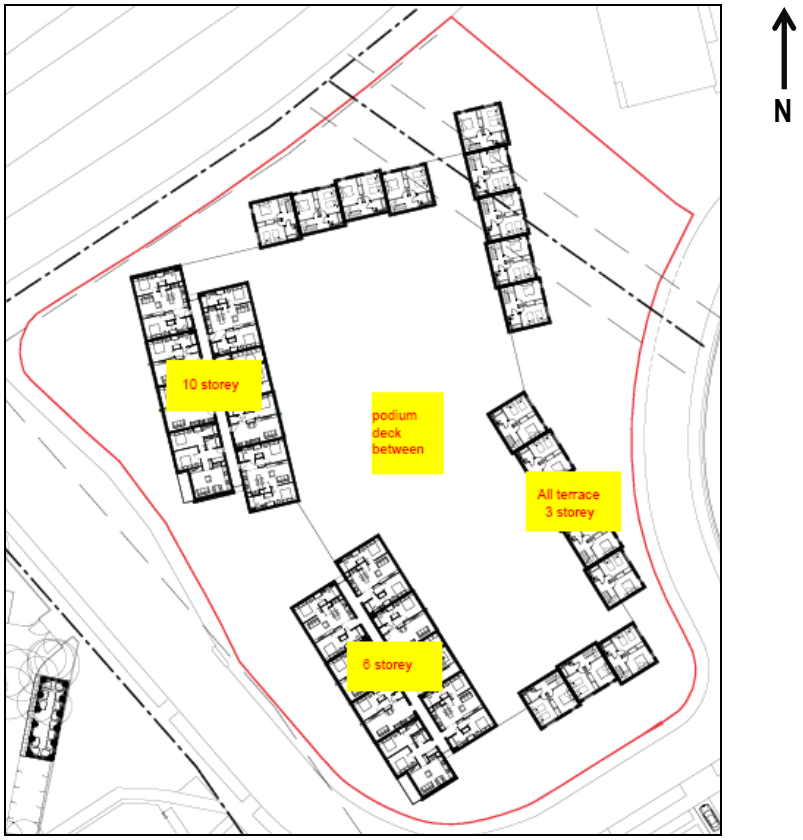
According to the criteria of Highways Agency HD 25/95 Volume 7 Section 2 Part 2 HD 25/94, a CBR value of crica 3% on the Made Ground is anticipated, however confirming in-situ CBR's should be undertaken once final formation levels are available. Placement of geotextiles within the areas of roads / parking could also be designed to minimise the subgrade thickness.

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2 SITE DESCRIPTION

2.1 Introduction

This investigation was carried out on the instruction of Lovell Partnerships. The purpose of the work was to carry out a Desk Study and Ground Investigation to provide geotechnical and contamination risk information for the proposed construction of residential dwellings, garden areas and associated infrastructure. A proposed site layout can be seen below.



Proposed planning layout with storey heights by Lovell

2.2 Site Location

The site is located south of Oldham Road and east of Butler Street, Miles Platting, Manchester, M4 6BZ. The coordinates on National Grid are 385285, 399073. The proposed site is approximately 1.09 hectares in total. See Site Location Plan in Appendix A.

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2.3 Site Description

2.3.1 On Site

Site was visited by a Geo-Environmental Engineer on the 28th February 2017 and photographs can be found in Appendix A.

The site is irregular in shape and comprises of several areas of grassed open space, separated by several tarmac roads (Butler Lane, Portugal Street and Rigel Street) and public footpaths.

The grassed areas surrounding the former buildings are mounded at the edges. A line of trees is located on the southern and western site boundary. Several bollards are also present within the roadway areas. Topography of the site is generally flat (apart from the mounding around former building footprints) with levels approximately at 57m - 58m AOD.

2.3.2 Surrounding Area

Surrounding land uses for the site are as follows:

- **North** – Immediately N is Oldham Road with a mixture of residential dwellings and parcels of land that are currently being redeveloped beyond to 440m N. 440m – 450m N is a railway line with industrial buildings beyond.
- **East** – 0m – 500m E is a mixture of residential dwellings, flats and public open space.
- **South** – 0m – 160m S are residential dwellings. 160m S is the Rochdale Canal with a mixture of residential dwellings, industrial buildings and public open space beyond.
- **West** – 0m – 500m W is a mixture of residential dwellings, flats and open waste land.

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3 ENVIRONMENTAL SETTING AND DATA

3.1 Site History from Ordnance Survey Maps

A search of available historic maps was undertaken to establish the land use history of the site and have been summarised in the following sections. All maps are Ordnance Survey unless otherwise stated. All distances quoted on OS maps are taken from the site boundary which is marked on the map. The full environmental data from EnviroCheck can be found in the Appendices H and I.

3.1.1 On Site History

The earliest map is the 1848 1:10,560 map which shows the site as predominately residential terraced dwellings with several streets/roadways present in between. A hotel shown is shown in the northern corner of site and a post office in the north-western corner of site on the 1893 1:2,500 map. An extract of this is shown below;

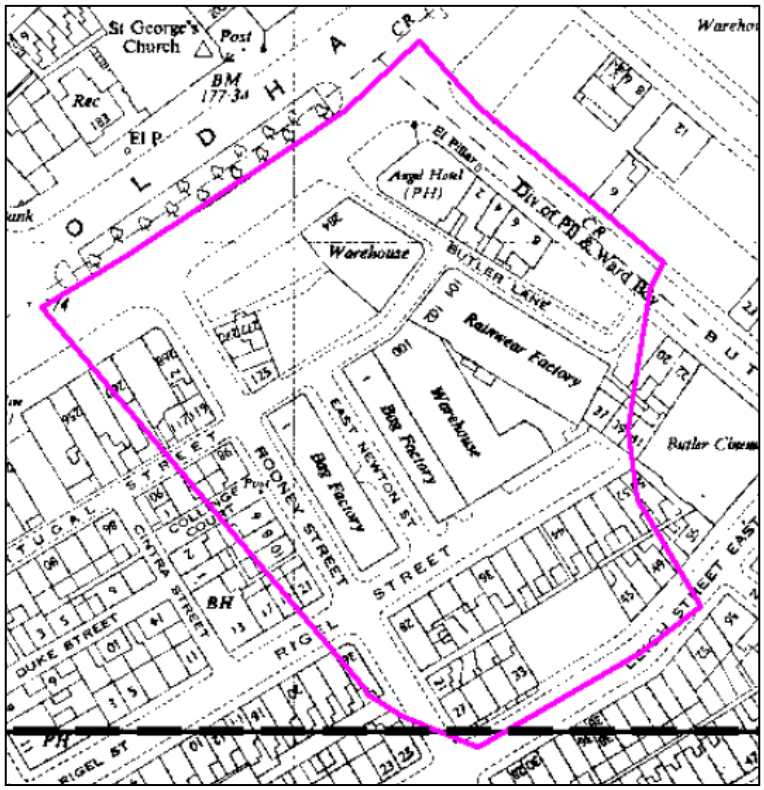
1893 1:2,500 map



Circa 1908, the hotel is shown as a Public House. No further significant changes occur on site until circa 1948 – 1949 where the majority of residential dwellings in the centre of the site are no longer shown, and instead are replaced by two (2 No) warehouses, a rainwear factory and two (2 No) bag factories. Many residential dwellings remain on the southern and western edge of site. An extract of this is shown overleaf;

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1948 – 1949 1:2,500 map



The residential dwellings along the western edge of site are no longer shown circa 1966 – 1968 and one (1 No) of the factory buildings is no longer shown in the eastern area of site circa 1985 – 1987. The remaining factory building is no longer shown circa 1999.

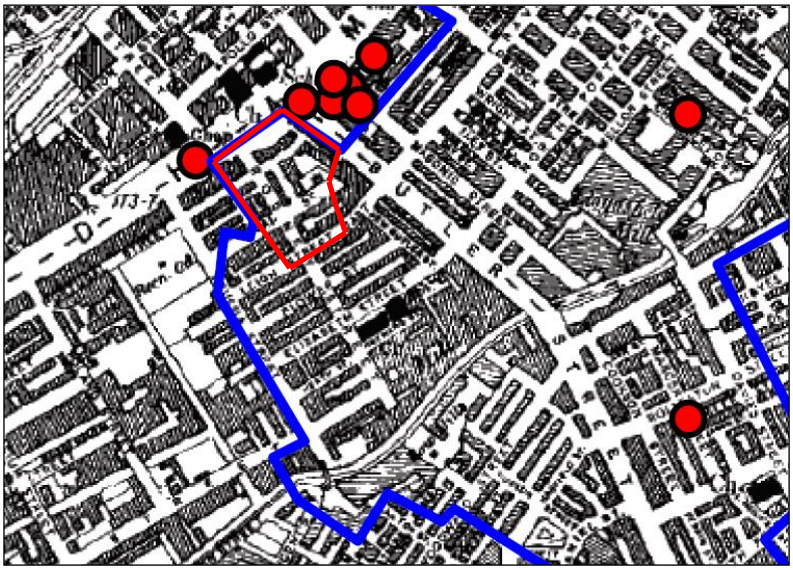
The site is then cleared of any buildings circa 2017.

3.1.2 Unexploded Ordnance World War Two

Consultation with the Zetica Site Safe Report Jan 2013 (Ref P3781-12) states that due to the many thousands of incendiary bombs dropped during the raids, they omitted it from the historic map.

An extract from the Zetica Report (P3781-12) showing the high explosive bomb impact locations can be seen below. It is important to note several bombs fell adjacent to the northern site boundary.

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3.1.3 Surrounding Area

The surrounding area has predominately been residential since historic maps began. The majority of the residential dwellings have been demolished and redeveloped over the course of the historic maps, with the majority of redevelopment occurring post circa 1990.

A number of mills (mainly cotton but some iron works and print works) are shown on the 1893 1:2,500 map and are located >100m S and W of site. The industrial area to the W of site is shown as Poland Street Industrial Estate circa 1999 and the industrial area to the S of site is no longer shown circa 2017.

3.2 Geology

The following section details the published and available geological data available for the site and the surrounding area. All data is taken from the EnviroCheck Data report located in Appendix C unless otherwise stated. This report should be referred to for full details.

Geology	Drift	Solid
1:10,000 SJ89NE 1976	**Till, Devensian** – Sandy Gravelly CLAY.	**Collyhurst Sandstone Formation** – Sandstone

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Geology 1:10,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Holocene - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	LSGR	Landscaped Ground (Undivided)	Artificial Deposit	Holocene - Holocene

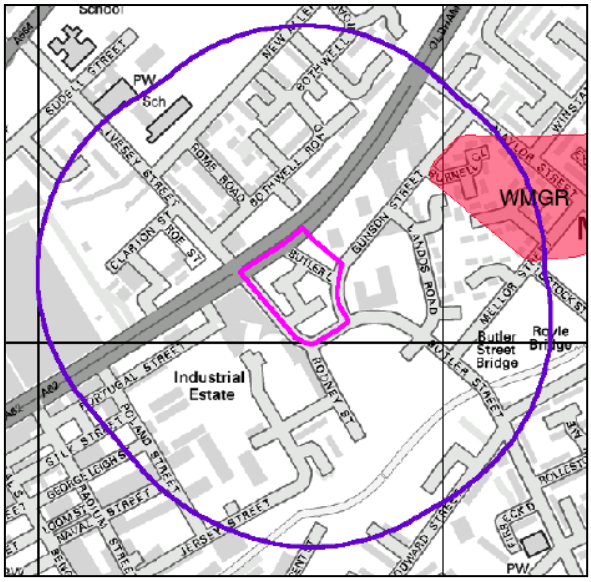
Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene
	TILLD	Till, Devensian	Diamicton	Devensian - Ipswichian

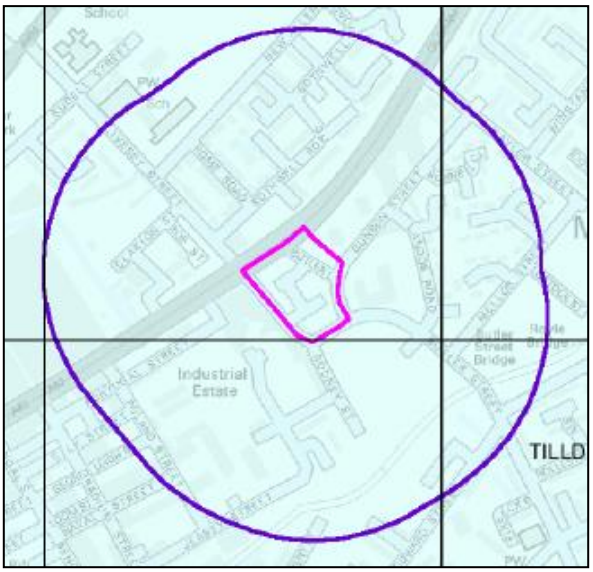
Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CPB	Chester Pebble Beds Formation	Sandstone	Early Triassic - Early Triassic
	MM	Manchester Marls Formation	Mudstone	Late Permian - Late Permian
	CS	Collyhurst Sandstone Formation	Sandstone	Cisuralian - Cisuralian
	HA	Halesowen Formation	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	HTS	Holt Town Sandstone Bed	Sandstone	Westphalian D - Westphalian D
	GML	Great Mine Limestone	Limestone	Westphalian D - Westphalian D
	YDLS	Yard Limestone	Limestone	Westphalian D - Westphalian D
	HYLS	Half Yard Limestone	Limestone	Westphalian D - Westphalian D
	PUCM	Pennine Upper Coal Measures Formation	Mudstone, Siltstone and Sandstone	Westphalian D - Bolsovian
	OPS	Openshaw Sandstone	Sandstone	Bolsovian - Bolsovian
	WDR	Worsley Delf Rock	Sandstone	Bolsovian - Bolsovian
	NHSS	Newton Heath Sandstone	Sandstone	Bolsovian - Bolsovian
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Bolsovian - Duckmantian
	ETM	Etruria Formation	Sandstone and Mudstone	Westphalian - Westphalian
	Fault			
	Rock			

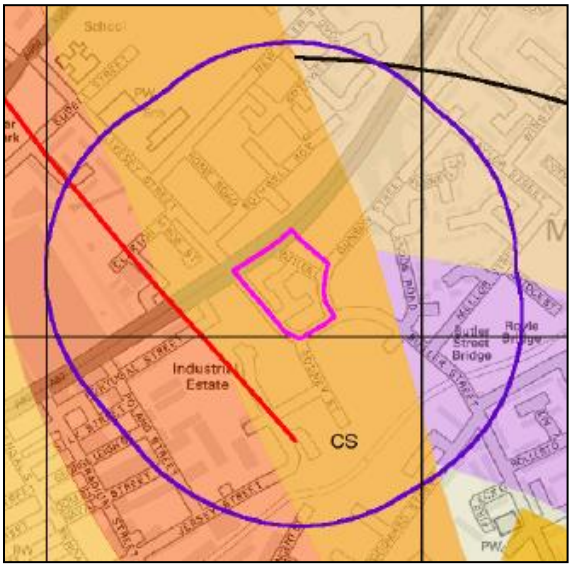
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Artificial Ground and Landslip



Superficial Geology



Bedrock Geology

3.2.1 Fault Lines

There is one (1 No) fault line within 250m of site that runs approximately 100m west of site on a north west to south east transect.

3.3 Geological Features

There are no recorded BGS mining sites, manmade mining cavities or natural cavities located within 500m

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of site.

3.3.1 Coal Mining

The site lies within an area affected by Coal Mining and a Coal Authority Report was obtained. Extracts can be seen below. The full report can be seen in Appendix C.

1. Past underground coal mining

The property is in a surface area that could be affected by underground mining in 4 seams of coal at 220m to 960m depth, and last worked in 1965.

Any movement in the ground due to coal mining activity should have stopped.

2. Present underground coal mining

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

3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

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

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

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

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

4. Mine entries

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

Due to the depth of the coal seams beneath the site, there is a **low** risk of shallow coal mining on site.

3.3.2 Radon

The site boundary is in a low probability area, as less than 1% of properties are above the action level. Therefore, no radon protective measures are necessary in the construction of new dwellings or extensions.

3.4 Hydrogeological and Hydrological Features

The table below summarises the presence/absence of any hydrological licences and incidents within 500m of the proposed site. If entries are present within 250m, further details are provided in the relevant subsection below;

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Data Type	On Site	0 – 250m	250 – 500m
Hydrological			
Discharge Consents	-	5	3
Pollution Incidents to Controlled Waters	-	1	2
Water Abstractions	-	-	-

3.4.1 Discharge Consents

There are five (5 No) Discharge Consent within 250m of site, four (4 No) of which refer to the same site. None of these are within 200m of site. For full details please refer to Appendix C.

3.4.2 Pollution Incidents to Controlled Waters

There is one Pollution Incident to Controlled Waters within 250m of site as detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	**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	A13SE (S)	207	3	385400 398800

3.4.3 Hydrogeology:

- The superficial deposits of Glacial Till are classed as a Secondary Undifferentiated Aquifer (Low Permeability).
- The bedrock deposits of Sandstone are classed as a Principal Aquifer (High Permeability).
- The site does not lie within a Groundwater Source Protection Zone as defined by the Environment Agency.
- The nearest surface water feature is the Rochdale Canal approximately 157m SE of site.

3.5 Environmental Data

The following section details environmental data available for the site and the surrounding area. Full details can be found in the EnviroCheck Report by Landmark located in Appendix C.

The table below summarises the presence/absence of any waste, hazardous substance sites of industrial land uses within 250m of the proposed site. If entries are present within 500m, further details are provided

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in the relevant section below.

Data Type	On Site	0 – 250m	250 – 500m
Pollution Controls/Registers			
Integrated Pollution Controls	-	-	-
Integrated/Local Authority Pollution Prevention and Controls	-	-	2
Prosecutions Relating to Authorised Processes	-	-	-
Registered Radioactive Substances	-	1	-
Substantiated Pollution Incident Register	-	-	-
Waste			
BGS Recorded Landfill Sites	-	-	-
Historic Landfill Sites	-	-	-
Integrated Pollution Control Registered Waste Sites	-	-	-
Licensed Waste Management Facilities (Landfill Boundaries and Locations)	-	-	-
Local Authority Recorded Landfill Sites	-	-	-
Potentially Infilled Land (Non-Water)	-	1	1
Potentially Infilled Land (Water)	-	5	6
Registered Landfill Sites	-	-	-
Registered Waste Transfer Sites	-	-	2
Registered Waste Treatment or Disposal Sites	-	-	-
Hazardous Sites			
COMAH/Explosive sites/NIHHS/Planning Hazardous Substances	-	-	-
Industrial Land Uses			
Contemporary Trade Directory Entries	-	17	32
Fuel Station Entries	-	-	-
Points of Interest – Commercial Services	-	2	19
Points of Interest – Education and Health	-	-	-
Points of Interest – Manufacturing and Production	2	10	21
Points of Interest – Public Infrastructure	-	-	4
Points of Interest – Recreational and Environmental	-	4	5
Gas Pipelines	-	-	-

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3.6 Pollution Controls/Registers

3.6.1 Registered Radioactive Substances

There is one (1 No) Registered Radioactive Substance within 250m of site, as detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	**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	A13SW (W)	248	3	385022 398985

3.7 Waste

3.7.1 Potentially Infilled Land (Non-Water)

There is one (1 No) Potentially Infilled Land Area (Non-Water) recorded within 250m of site as detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13NE (NE)	175	-	385491 399229

3.7.2 Potentially Infilled Land (Water)

There are five (5 No) Potentially Infilled Land Areas (Water) recorded within 250m of site as detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SW (SW)	140	-	385165 398967
116	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (SW)	152	-	385204 398905
117	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (SE)	168	-	385497 398902
118	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (S)	187	-	385247 398832
119	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SW (SW)	226	-	385209 398808

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3.8 Industrial Land Uses

3.8.1 Contemporary Trade Directory Entries

There are seventeen (17 No) Contemporary Trade Directory Entries recorded within 250m of site, two (2 No) of which are recorded within 100m of site and are detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
193	**Contemporary Trade Directory Entries** Name: Howarth Timber Location: 2, Glasshouse Street, Manchester, M4 5HD Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	86	-	385163 399086
193	**Contemporary Trade Directory Entries** Name: Howarth Timber & Building Supplies Ltd Location: 2-4, Glasshouse Street, Manchester, M4 5HD Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	88	-	385161 399085

3.8.2 Points of Interest – Commercial Services

There are two (2 No) Points of Interest – Commercial Services within 250m of site as detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
344	**Points of Interest - Commercial Services** Name: B & C Motorcycles Location: 198-200 Oldham Road, Manchester, M4 6BQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	122	8	385161 399002
345	**Points of Interest - Commercial Services** Name: H N Tyres Location: 342 Oldham Road, Manchester, M40 7NS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	228	8	385483 399306

3.8.3 Points of Interest – Manufacturing and Production

There are twelve (12 No) Points of Interest – Manufacturing and Production within 250m of site, two (2 No) of which are on site and are detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
380	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	0	8	385308 399052
380	**Points of Interest - Manufacturing and Production** Name: Factory Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	0	8	385308 399052

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3.8.4 Points of Interest – Recreational and Environmental

There are four (4 No) Points of Interest – Recreational and Environmental within 250m of site, three (3 No) of which are within 100m of site and are detailed below;

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
445	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	76	8	385215 399009
445	**Points of Interest - Recreational and Environmental** Name: Playground Location: Portugal Street, M4 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	76	8	385215 399009
445	**Points of Interest - Recreational and Environmental** Name: Playground Location: Wadeford Close, M4 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SW (SW)	87	8	385227 398978

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4 SUMMARY OF ENVIRONMENTAL SENSITIVITY

The following section is a review of the environmentally sensitivity of the site as discussed in Sections 2 - 4. Significant potential risks are discussed in the following subsections and will then be evaluated as part of the Site Conceptual Model in Section 6.

Sources are defined as where pollution comes from, pathways are a route in which the pollution travels and receptors are anything affected by a pollutant. Further details on Source-Pathway-Receptor methodology can be found in Appendix D.

The table below focuses on significant site-specific sources, pathways and receptors. More 'generic' pathways and receptors (such as site end uses) will be covered as part of the full Site Conceptual Model in Section 6.

4.1 Sources

Source	Distance/ Direction	Details	Significant Risk
Current Land Use	On Site	The site is currently used as grassed open space with concrete roadway in-between. Low risk from contamination from current site use. Ground investigation to confirm.	**Unlikely**
Historical Land Use	On Site	Site was predominantly residential dwellings from the late 1800's before housing a number of factories and warehouses circa 1948 – 1949. The site was then cleared of any buildings circa 2017. Potential contamination includes heavy metals, PAH, TPH, SVOC's, VOC's and asbestos. Potential biogenic ground gas source associated with demolition products and made ground on site. Possible redundant services in situ. Targeted ground investigation and ground gas monitoring.	**Yes**
Neighbouring Land Use	Within 250m of site	Site is mainly surrounded by residential development (which has been redeveloped over time) however, a number of cotton mills and works were shown 100m south and west of site in the late 1800's and early 1900's. Possible contaminants from these historic uses include heavy metals, free and complex cyanides, phenols, PAH, TPH, VOC/SVOC and asbestos. Possible ground gas source. Anticipated cohesive strata lowers the risk of ground gas and contamination migration. Ground investigation and ground gas monitoring to confirm.	**Possible**
Coal Mining	Beneath Site	Last worked coal mines were in 1965 from 4 seams from 220-960m beneath site. Low risk from shallow mine workings and ground gas migration.	**No**

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4.2 Pathways and Receptors

Pathways and Receptors	Distance/ Direction	Details	Significant Risk
Aquifers	Below Site	Cohesive Devensian Glacial Till is anticipated to be covering the Principle Aquifer, limiting any potential migration of any potential contaminants. The site does not lie within a groundwater source protection zone and no water abstractions within 500m of site.	**Unlikely**
Rochdale Canal	157m SE	Canal been present since 1808, clay lined and anticipated cohesive strata. Significant distance and down gradient of site, therefore low risk of potential contamination impacting site.	**No**

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5 INITIAL CONCEPTUAL SITE MODEL

For details on how the conceptual model is evaluated please refer to Appendix D.

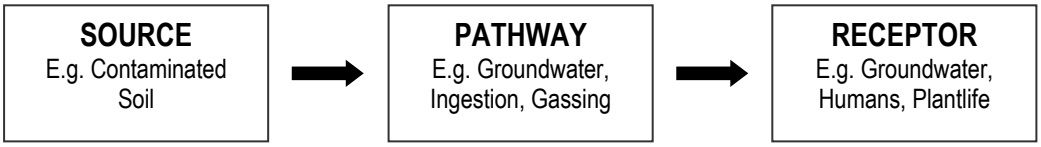
This section of the report aims to identify land which could potentially be affected by contamination, such that it could affect the value or re-use of the land, or such that mitigation would be required for certain proposed end uses of the land.

Potential contamination sources and environmentally sensitive receptors have been discussed in Section 5. Potentially significant risks are evaluated as part of the subsequent sub-sections.

5.1 Source-Pathway-Receptor Linkages

The risk assessment uses a 'Source-Pathway-Receptor' methodology for assessing whether a source of contamination could potentially lead to harmful consequences. This means that there needs to be a pollutant linkage from source to receptor for harm to be caused, this linkage consisting of: a source of pollution; a pathway for the pollutant to move along; a receptor that is affected by the pollutant.

The current potential risks to site arising from various Source-Pathway-Receptor linkages are assessed below. A risk may be considered significant if all three of the stages are present and therefore providing a pollution linkage. The various sources, pathways and receptors are considered separately. The assessment is based on the future use, which is understood to be residential with home-grown produce.



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Type of Contamination	Potential Sources	Potential Pathway	Potential Receptors	Pollution Linkage	Comment	Estimated Level of Risk
Ground Gas	Historical Land Use On Site Neighbouring Land Use Within 250m Of Site	Inhalation of Vapours	Construction/ Maintenance Workers	**Potentially Active**	Possible ground gas from demolition material and areas of former industry. Ground investigation and ground gas monitoring to confirm.	**Moderate**
		Vapours Penetrating Unprotected Buildings	Future Site Users	**Potentially Active**	Possible ground gas from demolition material and areas of former industry. Ground investigation and ground gas monitoring to confirm.	**Moderate**
Surface and Near Surface Contaminants Within Soils	Historical Land Use On Site Neighbouring Land Use Within 250m Of Site	Ingestion, Inhalation, Dermal Contact	Current Site Users	**Potentially Active**	Deep basements, foundations, pits and localised Made Ground anticipated on site. Potential determinants from historic site use and neighbouring land use comprise heavy metals, PAH's, TPH's, phenols, SVOC's, VOC's and asbestos. Current site use is open space. Ground investigation to confirm and target.	**Low - Moderate**
			Construction Workers	**Potentially Active**	Deep basements, foundations, pits and localised Made Ground anticipated on site. Potential determinants from historic site use and neighbouring land use comprise heavy metals, phenols, PAH's, TPH, VOC/SVOC and asbestos. Ground investigation to confirm and target. PPE to protect.	**Moderate**
			Future Site Users	**Potentially Active**	Deep basements, foundations, pits and localised Made Ground anticipated on site. Potential determinants from historic site use and neighbouring land use comprise heavy metals, phenols, PAH's, TPH, VOC/SVOC and asbestos. Future site use is residential with gardens. Ground investigation to confirm and target.	**Moderate**
			Adjacent Land Users	**Potentially Active**	Industrial to the west and residential to the north, east and south. Some contamination anticipated on site however reduced risk of migration due to anticipated cohesive strata. Ground investigation to confirm.	**Low -Moderate**
		Direct Contact	Structures	**Potentially Active**	Possible TPH, PAH, heavy metals and sulphates within the made ground demolition material and former industry on site/in immediate area.	**Moderate**
		Absorption in Root Zone	Plants	**Potentially Active**	Possible TPH, PAH, heavy metals and sulphates within the made ground demolition material and former industry on site/in immediate area.	**Moderate**
Mobile Contaminants, Leachables e.g. from Pollution Sources Adjacent to Site/On Site	Historical Land Use On Site Neighbouring Land Use Within 250m Of Site	Leaching into Groundwater	Groundwater	**Potentially Active**	Limited migration due to anticipated cohesive strata.	**Low**
		Off-site Migration in Groundwater	Abstractions	**Potentially Active**	No groundwater abstractions within 500m. Not in a Groundwater Source Protection Zone.	**Low**
			Controlled Waters	**Potentially Active**	Nearest controlled surface water feature is Rochdale Canal 157m SE. Canal known to be clay lined and therefore migration of contaminants is deemed unlikely.	**Low**
Organic and Inorganic Contaminants Within Soils / Groundwater	Historical Land Use On Site Neighbouring Land Use Within 250m Of Site	Potable Water Supply Pipes	Utilities Workers	**Potentially Active**	Possible localised TPH and PAH contamination from former uses and made ground from demolition material/former industry. Ground investigation to confirm, then liaise with local water authority supplier.	**Moderate**

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5.2 Contamination Summary

In this qualitative risk assessment, a **Moderate** risk for contamination and ground gas implies that remedial action is likely to be necessary at the site, the likes of which cannot be confirmed until the geotechnical and contamination ground investigation has been completed.

5.3 Geotechnical Constraints

- Existing and redundant services across site.
- Potential tree heave as cohesive stratum anticipated.
- Former basements and other obstructions.

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6 FIELDWORK

6.1 Fieldwork Objectives

The objectives of the intrusive ground investigation will be to:

- Clarify the 'Initial Contamination Conceptual Model'.
- Clarify the Initial Risk Assessment.
- Benchmark the contamination status of the site.
- Provide data for the design of any remedial works that may be required.
- Provide a geotechnical appraisal for the site.

6.2 Fieldwork Scope

The fieldwork was carried out between 15th and 23rd May 2017 and included the following:

- Thirteen (13 No) machine excavated trial holes between 2.80mbgl (TP2) and 3.00mbgl.
- Four (4 No) cable percussive boreholes installed with gas and groundwater monitoring wells to depths of between 1.00 and 3.50mbgl, followed by a proposed six (6 No) ground gas monitoring visits over a period of at least three months with varying barometric pressures.
- Chemical analysis (Metals, PAH's, TPH's) of nineteen (19 No) samples.
- Analysis of nineteen (19 No) samples for asbestos screening.
- Analysis of ten (10 No) samples for pH and water-soluble sulphates.
- Seven (7 No) samples for geotechnical analysis.

The exploratory hole positions were selected and set out by Betts Geo Environmental Ltd (BGE) as shown on the Exploratory Hole Location Plan in Appendix B.

Prior to any intrusive works, each location was checked for services using a cable avoidance tool (CAT) and review of statutory service plans.

6.3 Restrictions to Ground Investigation

Exploratory holes locations, specifically trial pits, were located away from surfaces.

6.3.1 Services

Services are present onsite, and are known to cross areas of planned investigation, however, the majority of services are located within the roads and footpaths.

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7 GROUND CONDITIONS

7.1 General

The exploratory holes were logged by an Engineer in general accordance with the recommendations of BS5930:1999+A2:2010. Detailed descriptions, together with relevant comments, are given in the Exploratory Hole Logs included in Appendix C.

Ground conditions consisted of several varieties of MADE GROUND from ground level to 3.50mbgl. Generally stiff to very stiff brown mottled grey occasionally sandy slightly gravelly CLAY was underlain by very dense reddish brown fine to coarse very gravelly SAND. Gravel is fine to coarse subangular to subrounded of sandstone or SHERWOOD SANDSTONE.

The full logs should be consulted in conjunction with this summary.

7.2 Ground Conditions Summary

Strata	General Description	Thickness m	
		Top	Base
MADE GROUND (1)	Grass over MADE GROUND: Very loose to medium dense dark reddish brown SAND with frequent gravel, brick, concrete, plastic, metal bars, tile, metal sheeting etc. (TOPSOIL).	0.00	1.90
MADE GROUND (2)	MADE GROUND: Rough grass over very soft to soft dark brown and grey sandy gravelly CLAY. Gravel is fine to coarse angular to subangular of brick, plastic, concrete, rootlets and occasional coal and clinker. (TOPSOIL).	0.00	0.40
MADE GROUND (3)	MADE GROUND: Medium dense cobble sized brick fill with rare timber.	1.90	3.50
MADE GROUND (4)	MADE GROUND: Dark brown/black coarse clayey gravelly SAND. Gravel is fine to coarse angular to subangular angular to subangular of brick, plastic, ash, concrete and occasional coal and clinker.	0.60	0.90
MADE GROUND (5)	MADE GROUND: Very soft to firm brown and black sandy gravelly clay. Gravel is fine to coarse angular to subangular of brick, concrete and clinker.	0.90	2.10
Natural CLAY	Firm to very stiff brown mottled grey sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subangular of mudstone and sandstone with rare coal fragments.	1.50	15.00
Natural SAND	Very dense reddish brown fine to coarse gravelly Clayey SAND. Gravel is fine to coarse subangular to subrounded of sandstone.	10.10	12.50
Natural SANDSTONE	SHERWOOD SANDSTONE recovered as sandy fine to coarse subangular to subrounded gravel.	11.20	15.45

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7.3 Visual and Olfactory Contamination

There was no significant visual contamination identified during the investigation.

However, olfactory evidence was noted in several locations, as detailed in the table below;

Exploratory Hole	Depth (mbgl)	Strata	Remark
TP1	0.35-0.40 0.70-0.80 0.85-1.90	Made Ground	TPH odour, TPH / Volatile odour, Organic odour
TP4	0.50-2.20	Made Ground	TPH odour
TP5	0.50-2.50	Made Ground	TPH odour
TP6	0.30-1.00	Made Ground	TPH odour
TP12	1.40-2.40	Made Ground	Organic odour

7.4 Obstructions

Obstructions were not recorded within any locations; however, a number of refusals were recorded within the stiff and very stiff clays, and within bedrock. It is not clear if the refusals within the clay are due to oversized materials or the strength of the clay.

7.5 Groundwater – Fieldwork

Exploratory Hole	Depth (mbgl)	Strata	Remark
BH01	13.00	CLAY	Rising to 12.70mbgl

7.6 Groundwater – Post-Fieldwork Monitoring

The table below indicates groundwater encountered during the first monitoring visit post-fieldwork and is detailed below:

Exploratory Hole	Depth (mbgl)	Borehole Depth (mbgl)
BH01	Dry	3.54
BH02	2.42	2.43
BH03	Dry	2.99
BH04	2.68	2.72

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8 LABORATORY TESTING

8.1 General

An assessment of potential determinands associated with the current/former site uses has been undertaken. Determinands originating from the current/former site uses may include metals, polycyclic aromatic hydrocarbons (PAHs), total petroleum hydrocarbons (TPHs) and asbestos. A general suite of testing should detect most potential contaminants.

Test	No. of Tests	Description
pH Values	29	Determination of pH (using Cyberscan pH meter).
Sulphate - Soluble 2:1 Extract	29	Dionex.
Arsenic, Cadmium, Chromium VI, Chromium III, Total Chromium, Lead, Mercury, Selenium, Copper, Nickel, Complex and Free Cyanide and Zinc.	20	Soil samples were analysed in accordance with UKAS/MCERTS standards Inductively coupled plasma atomic emission spectroscopy (ICP-OES)
Speciated Polycyclic Aromatic Hydrocarbons (PAH),	20	Determination of Polycyclic Aromatic Hydrocarbons by GC-MS. End/end extraction using DCM on as received sample. In house method modified USEPA 8270. Include coronene if required.
TPH CWG	20	TPH CWG (Aliphatics C5-6,>6-8,>8-10,>10-12,>12-16,>16-21,>2-35) (aromatics >C5-7,>7-8,>8-10,>10-12,>12-16,>16-21,>21-35) C5-8 fractions by Headspace GC-MS (003S). C8-35 fractions on as received sample extracted with hexane/acetone, aliphatic/aromatic splits run by GC-FID (005S), banded as listed above.
GRO/BTEX/MTBE by GC-FID (C5-10; C10-C12)	20	Determination of Gasoline Range Hydrocarbons (GRO) and BTEX (MTBE) compounds by Headspace GC-FID (C4-C12).
Organic Matter	20	Determination of Organic Matter by combustion.
Asbestos Screen	20	Visual Screening for Fibres.

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9 CONTAMINATION ASSESSMENT

9.1 General

Contaminants of concern recorded at concentrations above relevant screening values are summarised below. For ease of description, the identification of contaminant sources and possible re-use of material, Topsoil, Made Ground, Natural Strata and Groundwater will be dealt with in separate sub-headings in this section of the report where required.

Our assessment is based on the following assumptions:

- The proposed site end use in of a high-risk rating (residential housing with gardens). For analysis purposes, 'residential with home grown produce' is deemed most appropriate end use.
- The superficial deposits of the Glacial Till are classed as a Secondary Undifferentiated Aquifer (Low Permeability).
- The bedrock deposits of Sandstone are classed as a Principal Aquifer (High Permeability).
- It is deemed that some statistical analysis is appropriate. Where sample data numbers are low and/or targeted, each determinant result is reviewed further as an individual result as opposed to an average across the site.
- Site history has indicated a **Low** to **Moderate** risk of contamination.
- Statistical analysis of the chemical test results has been undertaken in general accordance with Environment Agency 2009 SGV Guidance and AtRisk 2015 using the combined assessment criterion given by CLEA (Note: all SSVs for EA derivation are for a SOM of 6%, in line with Environment Agency Report SC050021/SR4 – this figure is deemed representative as an average value for a sandy loam soil). AtRisk 2015 are used to the nearest SOM percentage deemed appropriate.
- No free product was noted within the exploratory holes.
- Following the withdrawal of CLR 7-10 Guidance documents by the Environment Agency, statistical analysis has been undertaken in accordance with the CIEH/CL:AIRE 'Guidance on Comparing Soil Contamination Data with a Critical Concentration' (May 2008). As such, the use of the mean value test alone is not considered.

A full risk assessment is detailed within Section 10 of this report.

9.2 Soils Contamination Summary

Six exceedances of Lead have been recorded across six locations, all of which have been recorded within Made Ground. Asbestos, in the form of Amosite and Chrysotile, has been detected in three locations within Made Ground strata, quantification testing has shown that the asbestos concentrations range from 0.011 to 0.042%.

Fifteen exceedances of various PAHs have been recorded across ten locations at depths ranging from

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0.20-2.80mbgl, all within Made Ground strata.

9.2.1 Topsoil

All determinants for Metals, TPH's and PAH's fell below the residential with home grown produce guidance within the Topsoil, except for the following:

Location	Depth (mbgl)	Determinand	Concentration	SGV/GAC Used	C4SL
TP1	0.20	Benzo(a)anthracene Benzo(a)pyrene Benzo(b)fluoranthene Dibenzo(ah)anthracene Naphthalene Lead Amosite and Chrysotile	12.5 9.12 11.5 1.61 9.7 409 0.011	8.54 0.998 9.86 1 8.71 - 0.001	- 5 - - - 200 0.001
TP4	0.20	Benzo(a)pyrene	3.19	0.998	5

Asbestos was identified in one location within the Topsoil strata, TP1 at a depth of 0.20mbgl with a concentration of 0.011%.

9.2.2 Made Ground

All determinants for Metals, TPH's and PAH's fell below the residential home grown produce guidance levels, with the exception of the below;

Location	Depth (mbgl)	Determinand	Concentration	SGV/GAC Used	C4SL
TP4	1.00	Benzo(a)pyrene Lead Amosite and Chrysotile	2.09 345 0.026	0.82 - 0.001	5 200 0.001
TP3	2.70	Lead	237	-	200
TP5	1.50	Benzo(a)pyrene Lead	1.29 1700	0.998 -	5 200
TP6	0.30	Benzo(a)pyrene Naphthalene	2.94 0.95	0.82 0.585	5 -
TP8	1.20	Lead	2810	-	200
TP9	0.20	Benzo(a)pyrene	2.34	0.998	5
	2.80	Benzo(a)pyrene Lead Amosite	1.15 290 0.042	0.998 - 0.001	5 200 0.001
TP13	0.30	Benzo(a)pyrene	1.08	0.82	5
BH2	0.30	Benzo(a)pyrene	3.15	0.998	5
BH4	0.40	Benzo(a)pyrene Lead	1.61 318	0.998 -	5 200

Asbestos was identified in two locations within the Made Ground strata, TP4 and TP9 at depths of 1.00 and

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2.80mbgl with concentrations of 0.026 and 0.042% respectively.

9.2.3 Natural Strata

All determinants for Metals, TPH's and PAH's fell below the residential home grown produce guidance levels within the Natural Strata.

9.2.4 Asbestos

Asbestos has been identified in three locations, as loose amosite and chrysotile fibres and amosite board.

Quantification of the asbestos detection was undertaken to determine its concentration, which was returned concentrations of between 0.011% and 0.042%, all of which exceed the human health threshold of 0.001%.

9.3 Groundwater Contamination

No significant risks to groundwater aquifers and controlled waters are anticipated as no significant mobile contamination within the soils has been identified, as well as significant depths of impermeable cohesive strata underlying the Made Ground deposits.

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10 ENVIRONMENTAL RISK ASSESSMENT

10.1 General

This section assesses likely risks to the identified receptors, arising from potential contamination sources. It provides a final qualitative assessment of the risks involved, indicating whether (where appropriate) any immediate action is required to mitigate certain risks.

In assessing the risk qualitatively, it is appropriate to use the methods outlined in the CIRIA document C552, "Contaminated Land Risk Assessment a Guide to Good Practice". It uses a classification of risk based on the magnitude of the potential consequence or severity or risk occurring, compared with the magnitude of the probability or likelihood of the risk occurring. These are indicated on the attached tables in Appendix J.

The superficial deposits are classed as Secondary Undifferentiated Aquifer (Low Permeability), and the bedrock deposits are classed as a Principal Aquifer (High Permeability). With respect to human health, the proposed end use (residential with home grown produce) is of high sensitivity. Therefore, the site's environmental setting is considered to be of a Low / Moderate environmental sensitivity. Transient risks to construction workers can be addressed by the adoption of appropriate health and safety measures (see Section 13.2), therefore, the primary residual risks that require assessment are Site End Users. The following sections are split into soils and groundwater for clarity.

10.2 Assessment of Contamination Analytical Results

Whilst a number of PAHs do exceed SGCs/GACs, the majority of their respective US_{95} concentrations do not surpass the relevant thresholds. Similarly, whilst there are several Benzo(a)pyrene exceedances, only one sample exceeds the C4SL threshold of 5mg/kg, TP1 0.20mbgl with a concentration of 9.12mg/kg.

Considering the above, all PAH exceedances, with the exception of Benzo(a)pyrene in TP1 0.20mbgl and Naphthalene exceedances in TP1 0.20mbgl and TP6 0.30mbgl, may be discounted as they're not considered to be significant. Only the Naphthalene exceedances may be statistically defined as hotpots.

All exceedances of Lead are considered significant as the US_{95} value (627mg/kg) exceeds the C4SL value of 200mg/kg.

Quantification of the asbestos detections within TP1, TP4 and TP9 has shown that all recorded exceedances are above the human health threshold of 0.001%, and will require mitigation methods.

Due to widespread, low-level, low mobility contamination, it is recommended that garden and landscaped areas are provided with a minimum of 600mm clean and inert capping, if site levels allow. A 'No Dig Barrier' membrane should be installed at the base off the 600mm capping. Due to the depths of natural clay observed at the site, vertical and lateral migration of contamination is considered unlikely.

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If site levels allow, the contaminated materials could be retained on site, but below a 600mm clean and inert capping.

Given that Naphthalene levels were only marginally above the GACs it is not anticipated that there will be significant vapour production, and therefore do not anticipate a need for hydrocarbon resistant membranes.

Construction workers should be provided with appropriate PPE and hygiene facilities.

10.3 Groundwater and Aquifer Risk

No significant risks to groundwater aquifers and controlled waters are anticipated as no significant mobile contamination has been observed. The area is also generally underlain by impermeable clay, further limiting any potential vertical migration.

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11 GROUND GAS ASSESSMENT

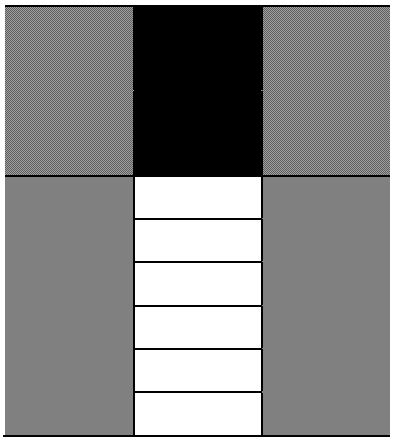
11.1 Ground Gas Requirements – Radon

BRE211 (2007) Radon: guidance on protective measures for new buildings shows that the site is in a low probability area, as less than 1% of homes are above the action level. Therefore, no radon protection measures are considered necessary in the construction of new dwellings or extensions.

11.2 Ground Gas Assessment

11.2.1 Ground Gas Boreholes Installations

The six (6 No) boreholes were all installed to a maximum depth of 3.54mbgl. A typical installation is shown below;



11.2.2 Summary of Results

Ground gas monitoring has been completed (6/6 visits) and a summary of the results are presented below (see Appendix G for full results);

Borehole Number	Methane (%)	Carbon Dioxide (%)	Oxygen (%)	Atmospheric Pressure (mB)	Peak Flow (l/hr)	GSV CH_4	GSV CO_2
BH1	0.0 – 0.1	0.1 – 0.4	19.8 – 20.3	999 - 1016	0.1	0.000	0.00
BH2	0.0 – 0.1	1.2 – 3.8	7.7 - 17.5	999 - 1016	0.6	0.001	0.023
BH3	0.0	0.4 – 2.1	17.5 – 20.0	999 - 1016	0.1	0.00	0.002
BH4	0.0 – 0.1	0.0 – 2.7	16.7 - 19.7	999 - 1016	0.1	0.000	0.003

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11.2.3 Guidance

Three recent publications are used for ground gas risk assessment:

- 'Guidance on Evaluation of Development Proposals on Sites Where Methane and Carbon Dioxide are Present', Report Edition No.04 March 2007 NHBC – designed for use with low rise residential properties.
- CIRIA C665 'Assessing risks posed by hazardous ground gases for buildings' 2007 - for high rise residential / flats.
- BS8485:2015 'Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings'.

Further details / accompanying notes for the following gas risk assessment are enclosed in Appendix L. The proposed development at the site is commercial.

11.2.4 Ground Gas Summary

The ground gas monitoring shows no significantly elevated levels of ground gas. The final ground gas risk assessment is shown below;

Site Area	Site Classification	Recommended Ground Gas Protection Measures
Whole Site	Green	No specialist ground gas protection is required.

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12 REVISED CONCEPTUAL SITE MODEL

12.1 General

The Initial Conceptual Site Model has been amended in light of data obtained during the ground investigation, most notably the absence of any significantly contaminated soil in relation to the screening criteria for the proposed end use.

12.2 Final Conceptual Site Model

This section reassesses likely risks to the identified receptors, arising from potential contamination sources. It provides a final qualitative assessment of the risks involved, indicating whether (where appropriate) any immediate action is required to mitigate certain risks. It also discusses (where appropriate) what longer term measures or remedial works may be required in the future if the site were to be developed. It is considered that the site has not been assessed by the Local Authority as a contaminated site under the terms of the Environmental Protection Act 1990 Part IIa.

Target (Receptor)	Potential Source-Pathway Linkage	Remedial Action Required (where appropriate)	Est. Degree of Risk to Target Following Remedial Action Where Necessary
Site End Users	Inhalation of soil gases, odours or dust.	No ground gas protection required on site.	Low
Site End Users	Ingestion of, and skin contact with, contaminated soil.	600mm of clean capping and/or removal of impacted Made Ground	Low
Site End Users	Ingestion of contaminants in vegetables etc. or in soils adhering to vegetables, etc	600mm of clean capping and/or removal of impacted Made Ground	Low
Construction/ Maintenance Workers	Inhalation of soil gases, odours or dust.	PPE**	Low **
Construction/ Maintenance Workers	Ingestion of, and skin contact with, contaminated soil	PPE**	Low **
Plants	Adverse effects on growth caused by presence of contaminants in soil	600mm of clean capping and/or removal of impacted Made Ground	Low
Buildings and Structures	Flow of ground gas into buildings. Asphyxiation, toxicity, explosion and fire hazards	No ground gas protection required on site.	Low
Foundations	Sulphate attack of foundations	Foundations to be designed as per section 15.4.	Low
Water Supplies	Hydrocarbons penetrating plastic water supply pipes.	United Utilities pipeline risk assessment required.	Low
Groundwater	Migration of soluble contaminants into groundwater on or off site	No remedial action required.	Low
Surface Water	Migration of soluble contaminants and/or direct run-off of contaminants	No remedial action required.	Low

** assumes basic PPE is used

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13 OUTLINE STRATEGY FOR RISK REDUCTION/REMEDIATION STRATEGY

13.1 General

The following section details any recommendations to reduce risk on site and recommends remedial actions (as per the previous sections of this report). For clarity, the section is split into sub-sections as per the conceptual site model (Section 12).

13.2 Construction/Maintenance Workers

Limited significant contamination was encountered on site, the following recommendations should be adhered to during site works:

- Site workers should wear gloves, boots and overalls and wash their hands before eating, drinking and smoking. Excessive dust generation should be avoided.
- It is recommended that during all excavations adequate ventilation should be maintained. If man entry is required, gas monitoring should be carried out as a precaution.
- If areas of suspected contamination are found then a suitably qualified person should undertake appropriate sampling, testing and further risk assessment.
- Asbestos was encountered on site. Vigilance should be adhered and any suspected asbestos should be notified and a suitably qualified person appointed to inspect. Dampening down should also be considered during dry weather conditions.

13.3 Site-End Users

To address the risks posed by the identified determinands, it is recommended that garden and landscaped areas are provided with a minimum of 600mm clean and inert capping, if site levels allow. A 'No Dig Barrier' membrane should be installed at the base off the 600mm capping.

Depending on finished floor, roads and public open space levels, it may be possible to use the contaminated materials within the plots or public open space to reduce the need for disposal. However, the impacted materials will need to be considered chemically and geotechnically suitable for that specific use. This may also require approval from the local authority.

If the levels do not allow the soils to be retained on site they will require disposal at a suitably licensed facility.

13.4 Ground Gas Protection Measures

BRE211 (2007) Radon: guidance on protective measures for new buildings shows that <1% of properties are above the action level; therefore, no radon protection measures are necessary.

Ground gas monitoring has been completed and and no ground gas protection measures are required on site.

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13.6 Off-Site Disposal of Surplus Soil

If there is the need to remove soil off-site, it is recommended that the results of the contamination testing (including the history of the site) be presented to the proposed landfills to obtain their acceptance of the information to date and to determine the actual WAC limits used by them (see Appendix L for further guidance). If moved to other sites for use, it is proposed to use the results of the contamination testing to determine if it is deemed suitable for re-use as topsoil or subsoil.

13.7 Groundwater

Whilst some contamination was encountered, none of the exceedances were located within natural water bearing strata, and is underlain by significant depths of largely impermeable clay deposits. Therefore, it is considered that no remedial measures are required.

Despite this, care is required not to mix impacted soils with water bearing strata.

13.8 Piped Drinking Water Supplies

The use of Protect-a-Line may be required, a pipeline assessment should be undertaken and liaison with the water provider is required.

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14 GEOTECHNICAL ASSESSMENT

14.1 Introduction

It is understood that the proposed development will consist of the construction of low and high rise residential homes.

14.2 Site Preparation and Excavation

All excavations should be planned and due consideration given to providing temporary support or suitable battering. Excavations should be regularly inspected by a competent person to ensure continued safety. Further advice on the safety of excavations is given *in Health and Safety in Construction.* Shallow (<1.20mbgl) excavations for service trenches could be complicated, and care should be taken.

14.3 Control of Groundwater

Groundwater is anticipated from depths of around 2.00mbgl.

It is likely that provision of pumping/shuttering will be necessary during excavation of foundation trenches during wet weather and to deeper excavations for sewers etc. It is good practice to have such equipment on standby in case of seasonal / abnormal weather conditions.

14.4 Foundations and Floor Slabs

The site will require an indicative foundation zoning plan, as suitable founding strata was identified at varying depths across the site, due to the structures varying heights. Due to the depths of Made Ground and height of the proposed structures at the site, a piled foundation solution is going to be required for all plots at the site.

A specialist piling foundation contractor should be consulted with regards to the design of the foundations.

14.5 Soakaway

Soakaway tests were not undertaken during the fieldwork due to the anticipated cohesive strata and deep made ground.

14.6 Heave / Shrinkage Potential

A summary of Atterburg limit tests is shown below. Full results are located in Appendix D.

Exploratory Position ID	Depth (m)	Moisture Content (%)	Liquid Limit (%)	Plastic Limit (%)	% <425um	% Plasticity Index	NHBC Modified Plasticity Level
BH1	3.5	20	44	19	100	25	25 (Moderate)
BH2	2.35	27	49	20	100	29	29 (Moderate)
BH2	10.5	9.5	26	12	71	14	10 (Low)

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BH4	2.60	23	46	20	100	26	26 (Moderate)
TP1	2.00	22	50	23	100	27	27 (Moderate)
TP11	2.60	26	52	22	85	30	26 (Moderate)

LOW to MODERATE plasticity is determined from geotechnical lab testing; foundation design for tree heave protection could be designed accordingly following discussion with the NHBC. However, with a piled foundation, the impact from trees should be somewhat limited.

14.7 Highway

According to the criteria of Highways Agency HD 25/95 Volume 7 Section 2 Part 2 HD 25/94, a CBR value of circa 3% is anticipated in Made Ground, however confirming in-situ CBR's should be undertaken once final formation levels are available.

14.8 Protection of Buried Concrete

It is considered for concrete design purposes that a brownfield site and static groundwater conditions are applicable and the results are summarised below;

Concrete Classification Summary	
Design Sulphate Class	DS-1 / DS-2
ACEC Class	AC-1
Designated Concrete Class	DC-1

Several areas have been defined as having a Design Sulphate Class of DS-2. The following table highlights the locations as having a DS-2 class;

Location	Depth (mbgl)
TP3	2.70
TP4	1.00
TP6	0.30
TP7	1.20
TP9	2.80
TP13	0.30
BH1	3.00

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15 REFERENCES

15.1 Desk Study Report for Central Park, Miles Platting by Betts Geo Feb 2012 Ref 11LPL009/PL

15.2 *Zetica SiteSafe Report for Miles Platting Manchester, 28th Jan 2013 (Ref P3781-12-R1-A*

15.3 *Ground Investigation for Central Park, Miles Platting, Manchester by Betts Geo July 2012 Ref 11LPL009GI*

15.4 *BS 5930:2015 Code of Practice for Site Investigation.*

15.5 *BS1377: 2016 Methods of Test for Soils for Civil Engineering Purposes.*

15.6 Assessment of risks to human health from land contamination: an overview of the development of guideline values and related research. EA, 2002.

15.7 *Contaminated Land Risk Assessment; A Guide to Good Practice; CIRIA C552: 2001.*

15.8 *Health and Safety in Construction, HSG150, HSE, 1996.*

15.9 *Hazardous Waste: Interpretation of the Definition and Classification of Hazardous Waste, Environment Agency, WM2 Version 1.0, June 2003.*

15.10 *DoE (1991), The Building Regulations Approved Document C, Site Preparation and Resistance to Moisture, HMSO.*

15.11 *Baker W (1987), Investigation Strategy - lecture at City of Birmingham Development Department Symposium on Methane Generating Sites, 9 December 1987, Industrial Research Laboratories, Birmingham.*

15.12 *NHBC Standards, Chapter 4.2, 2017 Building Near Trees.*

15.13 *Highways Agency HD 25/95 volume 7 section 2 Part 2 HD 25/94.*

15.14 *Water Regulations Advisory Scheme (2002) The selection of materials for water supply pipes to be laid in contaminated land.*

15.15 *Anon (1997) Dutch in Policy Retreat on Contaminated Land ENDS (Environmental Data Services), 269, 46.*

15.16 *Piling In Layered Ground: Risks to Groundwater and Archaeology Science Report SC020074/SR Environment Agency October 2006.*

15.17 *Piling and Penetrative Ground Improvement Methods on Land Affected by Contamination: Guidance on Pollution Prevention National Groundwater & Contaminated Land Centre report NC/99/73 F J Westcott, C M B Lean & M L Cunningham May 2001.*

15.18 *'Guidance on Evaluation of Development Proposals on Sites Where Methane and Carbon Dioxide are Present', Report Edition No.04 March 2007 NHBC – designed for use with low rise residential properties.*

15.19 *CIRIA C665 'Assessing risks posed by hazardous ground gases for buildings' 2007 - for high rise residential / flats.*

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15.20 *BS8485:2015 'Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings'.*

15.21 *BRE 414 'Protective measures for housing on gas-contaminated land' Roger Johnson, Parkman Environment 2001.*

15.22 *BS 8500- 1:2006 'Concrete – Complementary British Standard to BS EN 206-1 – Part 1: Method of specifying and guidance for the specifier' November 2006.*

15.23 *'Planning Policy 23:Planning and Pollution Control' Office of the Deputy Prime Minister 2004.*

15.24 *CLR11 'Model Procedures for the Management of Land Contamination' DEFRA 2004.*

15.25 *BRE 465 'Cover Systems for Land Regeneration' 2004.*

15.26 *'The UK Approach for Evaluating the Human Health Risks from Petroleum Hydrocarbons in Soils, Environment Agency Science Report P5-080/TR3', Environment Agency (May 2005).*

15.27 *TOX12- Contaminants in Soil: Collation of Toxicological Data and Intake Values for Humans. Dioxins, Furans and Dioxin-like PCBs' Environment Agency 2003.*

15.28 *Atkins AtRisksoil.co.uk SSV's derived using CLEA for 1 or 6% SOM. Residential with home grown produce.2015*

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APPENDIX A

(i) Site Location Plan



Site Location Plan
The site is located south of Oldham Road and east of Butler Street, Miles Platting, Manchester, M4 6BZ. The coordinates on National Grid are 385285, 399073. The proposed site is approximately 1.09

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APPENDIX B

(i) Betts Exploratory Hole Location Plan

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NOTES

DO NOT SCALE

THIS DRAWING SHOWS THE INDICATIVE LOCATION OF EXPLORATORY HOLES TO BE UNDERTAKEN BY BETTS GEO LTD IN 2017.

THE PLAN OVERLAYS THE EXISTING SITE LAYOUT.

KEY

TP — LOCATION OF TRIAL PIT.

BH — LOCATION OF BOREHOLE.

SERVICES

- BT
- FIBRE / VIRGIN
- ELECTRICITY
- WATER
- GAS

REV	DATE	BY	DESCRIPTION	CHK

DRAWING STATUS: DRAFT

BETTS ASSOCIATES
GEO ENVIRONMENTAL
Unit 6, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire CH5 2LY
Tel: 01244 288178 Fax: 01244 288516 enquiries@betts-associates.co.uk

LOVELL

PROJECT:
MILES PLATTING
AREA 3.1
MANCHESTER

TITLE:
EXPLORATORY HOLE
LOCATION PLAN

DATE:	SCALE @ SIZE:	DRAWN:	CHECKED:
10.05.17	NTS @ A3	PH	KR

PROJECT No:	DRAWING No:	REV:
17LPL051	EXP 101	-

APPENDIX C

(i) Betts Exploratory Borehole Hole Logs

© Betts Geo Environmental Ltd 2016

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**BH1**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	16-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 2

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
						(1.90)	Grass over MADE GROUND: Medium dense dark reddish brown SAND with frequent gravel, brick, concrete, plastic, metal bars, tile, metal sheeting.		
1.20		N16				1.90			
2.00		N13				(1.60)	MADE GROUND: Medium dense cobble sized brick fill with rare timber.		
3.00		N23				3.50			
3.50	B						Stiff to very stiff brown mottled grey occasionally sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subangular of mudstone and sandstone with rare coal fragments. Reducing grey mottle from circa 6.00mbgl.		
3.50	ES								
3.80	B								
4.00	SPT								
4.00		N12							
5.00		N18							
6.00	SPT								
6.00		N14				(6.20)			
7.50	SPT								
7.50		N12							

Boring Progress and Water Observations					
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt

Chiselling			Water Added	
From	To	Hours	From	To

GENERAL REMARKS

Water Strike at 13.00mbgl rising to 12.70mbgl over 35minute period.

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used	Logged By KR

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**BH1**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	16-05-17			
Contractor				Sheet
BETTS GEO Ltd				2 of 2

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
						9.70	Stiff to very stiff brown mottled grey occasionally sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subangular of mudstone and sandstone with rare coal fragments. Reducing grey mottle from circa 6.00mbgl. *(continued)*		
9.00 9.00	SPT	N20							
						15.00	Stiff to very stiff brown mottled grey occasionally sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subangular of mudstone and sandstone with rare coal fragments. Occasional narrow sand lenses.		
10.50		N17							
12.00 12.00	SPT	N40				(5.30)			
13.50		N50/ 58 mm							
15.00		N50/ 100 mm				(0.45) 15.45	SPT showed Very dense SHERWOOD SANDSTONE, recovered as very sandy cobble.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Water Strike at 13.00mbgl rising to 12.70mbgl over 35minute period.

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used	Logged By KR

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**BH2**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	17-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 2

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
						0.30	MADE GROUND: Rough grass over very soft dark brown sandy gravelly CLAY. Gravel is fine to coarse angular to subangular of brick, plastic, concrete, rootlets and occasional coal and clinker. (TOPSOIL)		
0.30	ES					(0.60)	MADE GROUND: Dark brown/black coarse clayey gravelly SAND. Gravel is fine to coarse angular to subangular angular to subangular of brick, plastic, ash, concrete and occasional coal and clinker. (Demoliton waste- Engineered Fill)		
1.00	ES					0.90			
1.20	SPT						MADE GROUND: Very soft brown and black sandy gravelly clay. Gravel is fine to coarse angular to subangular of brick, concrete and clinker.		
1.20		N2/ 150 mm				(1.20)			
2.00	SPT					2.10			
2.00		N12				2.35	MADE GROUND: Firm light brown and mottled grey slightly sandy slightly gravelly clay. Gravel is fine to coarse angular to subangular of mudstone, sandstone and brick. (Possible reworked natural)		
2.35	ES						Very stiff brown and mottled grey slightly sandy slightly gravelly clay. Gravel is fine to coarse angular to subangular of mudstone, sandstone with occasional coal fragments. grey mottle reducing with depth.		
3.00	SPT								
3.00		N19							
4.00	SPT								
4.00		N17							
5.00	SPT								
5.00		N16							
6.00	SPT								
6.00		N17							
						(8.85)			
7.50		N25							

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Refusal on SPT at 12.50mbgl. Dry

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used	Logged By KR

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**BH2**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	17-05-17			
Contractor				Sheet
BETTS GEO Ltd				2 of 2

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
							Very stiff brown and mottled grey slightly sandy slightly gravelly clay. Gravel is fine to coarse angular to subangular of mudstone, sandstone with occasional coal fragments. grey mottle reducing with depth. *(continued)*		
9.00	SPT								
9.00		N28							
10.50	SPT								
10.50		N31							
						11.20			
11.20	B						SHERWOOD SANDSTONE recovered as sandy fine to coarse subangular to subrounded gravel.		
						(1.30)			
12.00	SPT								
12.00		N50/ 67 mm							
						12.50			
12.50	SPT								
12.50		N75/ 93 mm							

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Refusal on SPT at 12.50mbgl. Dry

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used	Logged By KR

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**BH3**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	18-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 2

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
0.10	B					0.30	MADE GROUND: Rough grass over very soft dark brown sandy gravelly CLAY. Gravel is fine to coarse angular to subangular of brick, plastic, concrete, rootlets and occasional coal and clinker. (TOPSOIL)		
0.30	ES					(1.50)	MADE GROUND: Very loose blackish brown gravelly sand. Gravel is fine to coarse angular to subangular of brick, wood, concrete, glass, metal and sandstone.		
1.20	SPT								
1.20		N3				1.80			
1.80	ES						MADE GROUND: Very soft blackish brown occasionally mottled grey sandy gravelly clay. Gravel is fine to coarse angular to subangular of brick, wood and concrete.		
1.90	B								
2.00	SPT					(1.10)			
2.00		N3				2.90			
2.90	B						Very stiff brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone.		
3.00	ES								
3.00	SPT								
3.00		N16							
4.00	SPT								
4.00		N18							
5.00	SPT								
5.00		N18							
6.00	SPT								
6.00		N19				(8.40)			
7.50	SPT								
7.50		N16							

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used	Logged By KR/PH

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**BH3**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	18-05-17			
Contractor				Sheet
BETTS GEO Ltd				2 of 2

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
							Very stiff brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone. *(continued)*		
9.00 9.00	SPT	N22							
10.50 10.50	SPT	N31							
						11.30			
11.30	B					(0.70)	Very dense reddish brown fine to coarse very gravelly SAND. Gravel is fine to coarse subangular to subrounded of sandstone.		
						12.00			
12.00 12.00	SPT	N75/ 99 mm							
12.50		N75/ 88 mm							

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used	Logged By KR/PH

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**BH4**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	19-05-17 23-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 2

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
						(0.40)	MADE GROUND: Rough grass over very soft dark brown sandy gravelly CLAY. Gravel is fine to coarse angular to subangular of brick, plastic, concrete, rootlets and occasional coal and clinker. (TOPSOIL)		
0.40	ES					0.40			
						(0.90)	MADE GROUND: Soft black and orange very sandy very gravelly clay with rare cobbles. Gravel is fine to coarse angular to subangular of brick and concrete. Cobbles angular to subangular of brick and concrete.		
1.20		N3				1.30			
						(1.30)	MADE GROUND: Soft blackish brown very sandy very gravelly clay. Gravel is fine to coarse angular to subangular of brick and concrete. Cobbles angular to subangular of brick and concrete.		
2.00	D								
2.00		N2				2.60			
2.60	B						Stiff to very stiff brown occasionally mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subangular of sandstone and mudstone.		
3.00	SPT								
3.00		N15							
4.00	SPT								
4.00		N16							
5.00	SPT								
5.00		N18				(5.40)			
6.00	SPT								
6.00		N21							
7.50	SPT								
7.50		N22				8.00			

Boring Progress and Water Observations					
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt

Chiselling			Water Added	
From	To	Hours	From	To

GENERAL REMARKS

Dry

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used	Logged By KR

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**BH4**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	19-05-17 23-05-17			
Contractor				Sheet
BETTS GEO Ltd				2 of 2

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
8.00	SPT						Very stiff reddish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subangular of sandstone and mudstone.		
9.00	SPT					(2.10)			
9.00		N32				10.10			
						(0.40)	Very dense reddish brown fine to coarse clayey very gravelly SAND. Gravel is fine to coarse subangular to subrounded of sandstone.		
10.50	SPT					10.50			
10.50		N50/ 104 mm					Very dense reddish brown fine to coarse slightly clayey very gravelly SAND. Gravel is fine to coarse subangular to subrounded of sandstone.		
11.00	SPT								
11.00		N75/ 101 mm				(2.00)			
						12.50			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Dry

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used	Logged By KR

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP1**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
0.20	ES					(0.40) 0.40	MADE GROUND: Dark reddish brown SAND with frequent gravel and cobbles. Fragments of brick, plastic, glass, tarmac and timber.		
						0.45	0.35 - 0.40 TPH odour		
						0.70	MADE GROUND: Asphalt layer, recovered as gravel.		
0.70	ES					0.85	MADE GROUND: Concrete slab, recoverd as cobbles and boulders.		
0.85	ES					(0.65) 1.50	MADE GROUND: Black fine to coarse gravelly sand. Gravel is fine to coarse angular to subangular of brick, ash and concrete. Slight TPH/volatile type odour.		
						(0.40) 1.90	MADE GROUND: Soft black sandy gravelly clay. Gravel is fine to coarse angular to subangular of brick, ash and concrete. slight organic odour.		
1.90	ES						MADE GROUND: Soft black mottled grey sandy gravelly clay. Gravel is fine to coarse angular to subangular of brick, ash and concrete. slight organic odour.		
2.00	D					(1.10) 3.00	Stiff becoming very stiff light reddish brown mottled grey slightly sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of sandstone and mudstone with occasional coal fragments.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Dry Pit terminated at 0.40mbgl due to concrete slab.

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH/KR

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP2**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
						0.35	MADE GROUND: Dark reddish brown SAND with frequent gravel and cobbles. Fragments of brick, plastic, glass, tarmac and timber.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Dry Pit terminated at 0.35mbgl due to concrete slab.

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP3**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
0.50	ES					(1.90)	Grass over MADE GROUND: Dark reddish brown SAND with frequent gravel, brick, concrete, plastic, metal bars, tile, metal sheeting.		
						1.90			
						(0.80)	MADE GROUND: Cobble sized brick fill with rare timber. 2.30 - 2.40 Large sandstone block.		
2.70	ES					2.70			

Boring Progress and Water Observations						Chiselling			Water Added	
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To

GENERAL REMARKS

Dry
Pit terminated at 2.70mbgl due to concrete slab (basement)

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP4**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
0.20	ES					0.30	Grass over MADE GROUND: Dark brown clayey SAND occasional rootlet, rare plastic and cable.		
						0.50	MADE GROUND: Brown slightly clayey SAND with frequent gravel cobble sized bricks, timber, plastic and glass.		
						(1.70) 2.20	MADE GROUND: Dark brown/black sandy ashy CLAY with frequent gravel, brick, tile, glass, plastic and timber and a slight TPH odour.		
						(0.50) 2.70	MADE GROUND: Greyish brown sandy CLAY with frequent cobbles, gravel, timber, brick and occasional ash pockets.		
2.90	ES					(0.80) 3.50	Stiff thinly bedded reddish brown with grey mottling slightly sandy CLAY.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Dry At 3.40m Land drain at back of pit.

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP5**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
						0.30	Grass over MADE GROUND: Dark brown clayey SAND occasional rootlet, rare plastic and cable.		
						0.50	MADE GROUND: Brown slightly clayey SAND with frequent gravel cobble sized bricks, timber, plastic and glass.		
1.50	ES					(2.00)	MADE GROUND: Dark brown/black sandy ashy CLAY with frequent gravel, brick, tile, glass, plastic and timber and a slight TPH odour. 2.20 - 2.30 Metal objects.		
						2.50			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Dry Pit terminated at 2.50mbgl due to concrete obstruction.

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP6**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
						0.30	Grass over MADE GROUND: Dark brown clayey SAND occasional rootlet, rare plastic and cable.		
0.30	ES						0.20 Large metal object		
						(0.70)	MADE GROUND: Dark brown/black sandy ashy CLAY with frequent gravel, brick, tile, glass, plastic and timber and a slight TPH odour.		
						1.00	MADE GROUND: Orange/reddish brown sandy CLAY with rare brick.		
						(1.70)	2.10 Land drain at back of pit		
						2.70	Stiff thinly bedded reddish brown with grey mottling slightly sandy CLAY.		
3.00	D					3.00			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Dry

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP7**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
						0.30	Grass over MADE GROUND: Dark brown clayey SAND occasional rootlet, rare plastic and cable.		
						(0.50) 0.80	MADE GROUND: Orange/reddish brown sandy CLAY with occasional gravel, cobbles, bricks, timber and concrete.		
1.20	ES					(0.70) 1.50	MADE GROUND: Dark brown/black ashy clayey SAND with frequent bin bags, metal, timber, tile, glass and a slight TPH odour.		
						(1.30) 2.80	Stiff thinly bedded reddish brown with grey mottling slightly sandy CLAY.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Dry

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP8**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
						0.10	Grass over MADE GROUND: Dark brown clayey SAND occasional rootlet, rare plastic and cable.		
						0.40	MADE GROUND: Yellowish brown SAND with occasional gravel and cobbles, brick, plastic, concrete block and timber.		
1.20	ES					(1.70)	MADE GROUND: Dark brown/ black slilghtly ashy SAND with frequent gravel and cobbles, brick, concrete, plastic, metal, glass, pot, timber, slate.		
						2.10	1.90 - 2.10 Occasional paving slab		
2.30	ES					(0.80)	Firm to stiff yellowish brown slightly sandy CLAY with occasional grey mottling.		
						2.90			
						(0.40)	Stiff thinly bedded reddish brown with grey mottling slightly sandy CLAY.		
						3.30			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	
											Dry

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP9**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
0.20	ES					(2.80)	Grass over MADE GROUND: Dark brown slightly gravelly SAND with a high content of cobble sized bricks and fragments of tile, timber, metal, plastic, glass, metal sheeting, cables, pipe.		
2.80	ES					2.80			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Dry Wall face (basement) east side of pit from 1.00 - 2.80mbgl.

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP10**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA					Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION			
						0.10	Grass over MADE GROUND: Dark brown clayey SAND occasional rootlet, rare plastic and cable.			
						(1.80)	MADE GROUND: Dark brown slightly clayey SAND with frequent gravel and cobbles, brick, clay pipe, occasional sandstone block paving, glass, pockets of ash, metal sheeting and plastic.			
1.40	ES					1.90				
						(0.40)	Firm to stiff yellowish brown slightly sandy CLAY with occasional grey mottling.			
						2.30				
						(1.40)	Stiff thinly bedded reddish brown with grey mottling slightly sandy CLAY.			
						3.70				

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Dry

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP11**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	15-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	Geology	Instrument/ Backfill
						0.10	Grass over MADE GROUND: Dark brown clayey SAND occasional rootlet, rare plastic and cable.		
0.30	ES					0.40	MADE GROUND: Light brown SAND with frequent brick, tile, glass and plastic.		
						(2.10)	MADE GROUND: Ashy SAND with frequent gravel and cobbles, brick, concrete, sandstone blocks, timber, metal and slate.		
						2.50			
2.60	D					(0.50)	Firm to stiff yellowish brown slightly sandy CLAY with occasional grey mottling.		
						3.00			
						3.10	Stiff thinly bedded reddish brown with grey mottling slightly sandy CLAY.		

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Dry Wall face on east side of pit (brick foundation) from 1.90 - 2.40mbgl.

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used JCB 3CX	Logged By PH

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP12**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	18-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			STRATA						
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION	Geology	Instrument/ Backfill
0.20	ES					0.20	MADE GROUND: Rough grass over very soft dark brown sandy gravelly CLAY. Gravel is fine to coarse angular to subangular of brick, plastic, concrete, rootlets and occasional coal and clinker. (TOPSOIL)		
0.50	D					0.50	MADE GROUND: Brown clayey gravelly fine to coarse sand. Gravel is fine to coarse angular to subangular of brick, concrete, plastic and metal.		
0.80	ES					0.80	MADE GROUND: Light yellowish brown slightly clayey sandy gravel. Gravel is fine to coarse angular to subangular of limestone, sandstone and mudstone.		
0.90	D					(0.60)			
1.40	ES					1.40	MADE GROUND: Light yellowish brown very clayey sandy gravel. Gravel is fine to coarse angular to subangular of limestone, sandstone and mudstone.		
1.50	D					(1.00)	MADE GROUND: Firm black, brown and mottled grey gravelly slightly sandy clay. Gravel is fine to coarse angular to subangular of ash, mudstone, wood (decaying), limestone and occasional coal fragments. (Reworked natural). Very slight organic odour noted.		
2.40	D					2.40			
2.50	ES					(0.70)	Very stiff brown mottled grey occasionally sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of mudstone and sandstone with occasional coal fragments.		
						3.10			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Stable

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used	Logged By KR

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

Betts GEO Ltd

BOREHOLE LOG

Project				BOREHOLE No
MILES PLATTING 3.1				**TP13**
Job No	Date	Ground Level (m)	Co-Ordinates ()	
17LPL051	18-05-17			
Contractor				Sheet
BETTS GEO Ltd				1 of 1

SAMPLES & TESTS			Water	STRATA				Geology	Instrument/ Backfill
Depth	Type No	Test Result		Reduced Level	Legend	Depth (Thick-ness)	DESCRIPTION		
						0.20	MADE GROUND: Rough grass over very soft dark brown sandy gravelly CLAY. Gravel is fine to coarse angular to subangular of brick, plastic, concrete, rootlets and occasional coal and clinker. (TOPSOIL)		
0.30	ES					0.55	MADE GROUND: Brown clayey gravelly fine to coarse sand. Gravel is fine to coarse angular to subangular of brick, concrete, plastic and metal.		
0.55	B					(0.65)	MADE GROUND: Light yellowish brown slightly clayey sandy gravel. Gravel is fine to coarse angular to subangular of limestone, sandstone and mudstone.		
						1.20	MADE GROUND: Light yellowish reddish brown very clayey sandy gravel. Gravel is fine to coarse angular to subangular of limestone, sandstone and mudstone.		
						(0.80)			
						2.00			
2.00	ES					2.20	MADE GROUND: Firm black, brown and mottled grey gravelly slightly sandy clay. Gravel is fine to coarse angular to subangular of ash, mudstone, limestone and occasional coal fragments. (Reworked natural)		
2.30	B					(1.00)	Very stiff brown mottled grey occasionally sandy slightly gravelly CLAY. Gravel is fine to coarse subangular to subrounded of mudstone and sandstone with occasional coal fragments.		
						3.20			

Boring Progress and Water Observations						Chiselling			Water Added		GENERAL REMARKS
Date	Time	Depth	Casing Depth	Casing Dia. mm	Water Dpt	From	To	Hours	From	To	Stable

All dimensions in metres Scale 1:50	Client LOVELL	Method/ Plant Used	Logged By KR

AGS3 UK BH 17LPL051 - MILES PLATTING 3.1.GPJ GINT STD AGS 3_1.GDT 5/6/17

APPENDIX D

(i) Contamination Test Results

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BETTS ASSOCIATES
GEO ENVIRONMENTAL

SUMMARY OF CONTAMINATION ANALYSIS: METALS

Project Name Miles Platting Area 3.1
Project No 17LPL051
Date 08/06/2017

SOIL TYPE	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	N	MG	MG
SAMPLE LOCATION	TP1	TP1	TP3	TP4	TP4	TP5	TP6	TP7	TP8	TP9	TP9	TP10	TP10	TP11	TP12
DEPTH (m)	0.20	0.85	2.70	0.20	1.00	1.50	0.30	1.20	1.20	0.20	2.80	1.40	3.00	0.30	0.80
pH	8.82	8.33	8.13	8.55	7.91	8.53	8	8.02	7.83	7.75	8.51	8.11	8.27	8.25	8.57
Sulphate (water sol 2:1) (g/l)	0.02	0.3	1.37	0.07	1.5	0.07	1.38	1.4	1.28	0.03	0.55	0.09	0.1	<0.01	0.03
Organic matter	6.6	21.6	4.5	6.9	4.6	7.2	4	2.7	9.3	6.9	7.3	7	1.4	1.2	<0.1
Arsenic	15	21	19	14	7	21	9	3	37	11	10	11	<1	2	1
Cadmium	1.7	1	1.2	1.3	0.9	1	0.8	0.6	2.3	0.9	1.8	1.2	1	<0.5	2.1
Copper	175	41	44	85	106	155	70	40	458	95	164	86	19	15	11
Chromium (hexavalent)	<1	<1	<2	<1	<2	<1	<1	<1	<2	<1	<1	<1	<1	<1	<1
Lead	409	64	345	154	237	1700	123	66	2810	151	290	178	14	32	15
Mercury	0.52	0.33	0.86	0.63	0.44	0.89	0.41	<0.17	2.35	0.27	0.29	<0.17	<0.17	<0.17	0.54
Nickel	21	36	15	22	25	19	17	17	28	18	27	29	37	10	18
Selenium	<1	1	<1	<1	<1	<1	<1	<1	<1	<1	<1	1	<1	<1	<1
Zinc	337	78	421	200	252	204	154	91	1710	126	315	82	60	36	107
Asbestos in Soil	Amosite & Chrysotile	NAD	NAD	NAD	Amosite & Chrysotile	NAD	NAD	NAD	NAD	NAD	Amosite	NAD	NAD	NAD	NAD
Asbestos Matrix	Loose fibres	-	-	-	Cement	-	-	-	-	-	Board	-	-	-	-
Quantification															

Metals	Mean Value Test *	Range		AtRisk 2015 (mg/kg)	AtRisk 2015 (mg/kg)	DEFRA C4SL 2015
	US_{95}	Largest Value (mg/kg)	Smallest Value (mg/kg)	With Homegrown Produce (1% SOM)	With Homegrown Produce (6% SOM)	
pH	8.41	8.86	7.75			-
Sulphate (water sol 2:1) (g/l)	0.68	1.500	0.020			-
Organic matter	7.51	21.60	1.20			-
Arsenic	14	37.0	<1	32	32	37
Cadmium	1.50	2.90	<0.5	10	10	26
Copper	135	458.0	11.0	3970	4020	-
Chromium (hexavalent)	1.29	0.00	<1	14.2	14.2	21
Lead	627	2810	11.0			200
Mercury**	0.68	2.35	<0.17	6.28	11	-
Nickel	28	46.0	10.0	EA/ATRisk withdrawn Aug 2015		
Selenium	1	2.00	<1	350	350	-
Zinc	379	1710.0	36.0	16900	17200	-

NOTE:
Any individual results and mean value tests above SGVs are shown RED highlighted.
Any outlier values which exceed relevant SGVs are shown in red

* - The calculations for the mean value test include outliers

BETTS ASSOCIATES
GEO ENVIRONMENTAL

SUMMARY OF CONTAMINATION ANALYSIS: TPH

Project Name Miles Platting Area 3.1
Project No 17LPL051
Date 08/06/2017

SOIL TYPE	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	N	MG	MG
SAMPLE LOCATION	TP1	TP1	TP3	TP4	TP4	TP5	TP6	TP7	TP8	TP9	TP9	TP10	TP10	TP11	TP12
DEPTH (m)	0.20	0.85	2.70	0.20	1.00	1.50	0.30	1.20	1.20	0.20	2.80	1.40	3.00	0.30	0.80
Ali >C5-C6	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C6-C8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C8-C10	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ali >C10-C12	4.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Ali >C12-C16	22.6	<0.1	<0.1	1.1	<0.1	0.5	2.6	2	0.4	<0.1	0.5	<0.1	<0.1	<0.1	<0.1
Ali >C16-C21	47	<0.1	5.8	8.8	<0.1	9.6	16.3	16.5	5.1	<0.1	12.1	<0.1	<0.1	<0.1	<0.1
Ali >C21-C35	210	<0.1	37.4	57.1	<0.1	32	42.9	100	64.4	<0.1	74.1	<0.1	<0.1	<0.1	<0.1
Total Aliphatics	283	<0.1	43.2	67.1	<0.1	42	62.4	119	69.9	<0.1	86.6	<0.1	<0.1	<0.1	<0.1
Aro >C5-C7	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C7-C8	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C8-C10	0.22	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aro >C10-C12	22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Aro >C12-C16	93.4	<0.1	3.2	6.6	1.2	2.9	6.6	4	3	3.1	3.7	<0.1	<0.1	<0.1	<0.1
Aro >C16-C21	281	<0.1	12.9	22.6	11.2	17.1	25.6	15.4	14.1	12.6	18.2	<0.1	4	<0.1	<0.1
Aro >C21-C35	490	<0.1	29.4	39.5	31.5	47.9	71.5	61.7	49.4	31	58.3	<0.1	9.5	<0.1	<0.1
Total Aromatics	887	<0.1	45.5	68.6	43.9	68	104	81.2	66.4	46.8	80	<0.1	13.7	<0.1	<0.1
TPH (Ali & Aro)	1170	<0.1	88.6	136	43.9	110	166	200	136	46.8	167	<0.1	13.7	<0.1	<0.1
BTEX - Benzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - Toluene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - Ethyl Benzene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - m & p Xylene	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
BTEX - o Xylene	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
MTBE	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Organic Matter	6.6	21.6	4.5	6.9	4.6	7.2	4	2.7	9.3	6.9	7.3	7	1.4	1.2	<0.1

TPH	Mean Value Test *	Range		LQM / CIEH 2009 Guidelines	LQM / CIEH 2009 Guidelines	LQM / CIEH 2009 Guidelines
	US_{95}	Largest Value (mg/kg)	Smallest Value (mg/kg)	1% SOM WITHOUT Free Product***	2.5% SOM WITHOUT Free Product***	6% SOM WITHOUT Free Product***
Ali >C5-C6	0.01	<0.01	<0.01	30	55	110
Ali >C6-C8	0.01	<0.01	<0.01	73	160	370
Ali >C8-C10	0.01	<0.01	<0.01	19	46	110
Ali >C10-C12	0.64	4.10	<0.1	48	118	283
Ali >C12-C16	4.40	22.60	<0.1	24	59	142
Ali >C16-C21	10.04	47.00	<0.1	45000	64000	76000
Ali >C21-C35	57.19	210.00	<0.1			
Total Aliphatics	71.44	283.00	<0.1			
Aro >C5-C7	0.01	<0.01	<0.01	65	130	280
Aro >C7-C8	0.01	<0.01	<0.01	120	270	611
Aro >C8-C10	0.03	0.22	<0.01	27	65	151
Aro >C10-C12	2.69	22.00	<0.1	69	160	346
Aro >C12-C16	13.07	93.40	<0.1	140	310	593
Aro >C16-C21	43.91	281.00	<0.1	250	480	770
Aro >C21-C35	96.88	490.00	<0.1	890	1100	1230
Total Aromatics	162.51	887.00	<0.1			
TPH (Ali & Aro)	235.32	1170.00	<0.1			
BTEX - Benzene	0.01	<0.01	<0.01	0.08	0.18	0.33
BTEX - Toluene	0.01	<0.01	<0.01	120	320	610
BTEX - Ethyl Benzene	0.01	<0.01	<0.01	65	180	350
BTEX - m & p Xylene	0.01	0.02	<0.01	42	120	230
BTEX - o Xylene	0.01	0.01	<0.01	42	120	250
MTBE	0.01	<0.01	<0.01			

	UU Drinking Water Guidelines
	PE Threshold
Total BTEX &MTBE	0.1
EC5-EC10 Ali-Aro	2
EC10-EC16 Ali-Aro	10
EC16-EC40 Ali-Aro	500

Results expressed as mg/kg air dried unless otherwise stated.

* - The calculations for the mean value test include outlie

*** THESE RESULTS PRESENTED ARE ASSESSED UNDER THE COMBINED CLEA ASSESSMENT CRITERION AS OUTLINED WITHIN SR4 ASSUMING NO FREE PRODUCT WAS OBSERVED DURING FIELDWORK. SEE 'GUIDANCE NOTES ON CONTAMINATION'.

NOTES:

For the Purpose of this investigation- results will be assessed agains RESIDENTIAL GUIDELINES WITH HOMEGROWN PRODUCE WITH NO FREE PRODUCT.

BETTS ASSOCIATES
GEO ENVIRONMENTAL

SUMMARY OF CONTAMINATION ANALYSIS: PAH

Project Name Miles Platting Area 3.1
Project No 17LPL051
Date 08/06/2017

SOIL TYPE	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	MG	N	MG	MG
SAMPLE LOCATION	TP1	TP1	TP3	TP4	TP4	TP5	TP6	TP7	TP8	TP9	TP9	TP10	TP10	TP11	TP12
DEPTH (m)	0.20	0.85	2.70	0.20	1.00	1.50	0.30	1.20	1.20	0.20	2.80	1.40	3.00	0.30	0.80
Acenaphthene	7.75	<0.01	0.13	0.67	0.33	0.1	1.4	0.1	0.11	0.29	0.12	<0.01	<0.01	0.02	<0.01
Acenaphthylene	0.16	<0.01	0.02	0.06	0.08	0.02	0.06	0.02	0.02	0.03	0.02	<0.01	<0.01	<0.01	<0.01
Anthracene	8.93	<0.02	0.23	0.95	0.82	0.22	1	0.15	0.2	0.54	0.26	<0.02	<0.02	0.04	<0.02
Benzo(a)anthracene	12.5	<0.04	0.77	3.23	2.54	1.23	3.09	0.67	0.88	2.37	1.11	<0.04	<0.04	0.22	<0.04
Benzo(a)pyrene	9.12	<0.04	0.75	3.19	2.09	1.29	2.94	0.62	0.79	2.34	1.15	<0.04	<0.04	0.22	<0.04
Benzo(b)fluoranthene	11.5	<0.05	0.98	3.66	2.48	1.58	3.42	0.76	0.98	2.8	1.38	<0.05	<0.05	0.26	<0.05
Benzo(ghi)perylene	5.65	<0.05	0.58	2.16	1.41	1.17	2.01	0.41	0.59	1.5	0.9	<0.05	<0.05	0.17	<0.05
Benzo(k)fluoranthene	3.76	<0.07	0.27	1.25	0.75	0.46	1.12	0.24	0.3	0.83	0.37	<0.07	<0.07	<0.07	<0.07
Chrysene	13.2	<0.06	0.83	2.99	2.29	1.25	2.67	0.62	0.87	2.25	1.08	<0.06	<0.06	0.21	<0.06
Dibenzo(ah)anthracene	1.61	<0.04	0.12	0.46	0.31	0.24	0.38	0.09	0.14	0.33	0.2	<0.04	<0.04	<0.04	<0.04
Fluoranthene	28.9	<0.08	1.24	5.81	5.1	2.21	5.52	1.09	1.47	4.6	1.97	<0.08	<0.08	0.34	<0.08
Fluorene	6.69	0.01	0.1	0.52	0.33	0.07	1.2	0.08	0.1	0.26	0.12	<0.01	<0.01	0.02	<0.01
Indeno(123-cd)pyrene	7.04	<0.03	0.61	2.38	1.61	1.24	2.26	0.47	0.64	1.71	0.99	<0.03	<0.03	0.21	<0.03
Naphthalene	9.7	<0.03	0.08	0.26	0.07	0.06	0.95	0.06	0.04	0.12	0.05	<0.03	<0.03	<0.03	<0.03
Phenanthrene	38.3	0.09	0.97	4.13	3.15	1.03	3.72	0.67	1.05	2.17	1.15	0.07	<0.03	0.18	<0.03
Pyrene	23.9	<0.07	1.13	5.32	4.34	1.97	5.26	1.07	1.32	3.88	1.7	<0.07	<0.07	0.32	<0.07
Organic Matter	6.6	21.6	4.5	6.9	4.6	7.2	4	2.7	9.3	6.9	7.3	7	1.4	1.2	<0.1

PAH	Mean Value Test *	Range		AtRisk 2015 (mg/kg) Residential with Home Grown Produce	AtRisk 2015 (mg/kg) Residential with Home Grown Produce	DEFRA's C4SL 2015
	US_{95}	Largest Value (mg/kg)	Smallest Value (mg/kg)	1% SOM WITHOUT Free Product***	6% SOM WITHOUT Free Product***	6% SOM WITHOUT Free Product***
Acenaphthene	1.28	7.75	<0.01	157	2130	-
Acenaphthylene	0.05	0.16	<0.01			-
Anthracene	1.52	8.93	<0.02	8270	18300	-
Benzo(a)anthracene	2.81	12.50	<0.04	4.52	8.54	-
Benzo(a)pyrene	2.34	9.12	<0.04	0.82	0.998	5
Benzo(b)fluoranthene	2.89	11.50	<0.05	7.72	9.86	-
Benzo(ghi)perylene	1.52	5.65	<0.05	96.2	103	-
Benzo(k)fluoranthene	0.93	3.76	<0.07	84.4	100	-
Chrysene	2.85	13.20	<0.07	585	927	-
Dibenzo(ah)anthracene	0.38	1.61	<0.04	0.838	1	-
Fluoranthene	6.00	28.90	<0.08	822	2160	-
Fluorene	1.10	6.69	<0.01	615	1930	-
Indeno(123-cd)pyrene	1.78	7.04	<0.03	7.31	9.75	-
Naphthalene	1.44	9.70	<0.03	0.585	8.71	-
Phenanthrene	6.50	38.30	<0.03			-
Pyrene	5.11	23.90	<0.07	563	1550	-

Results expressed as mg/kg air dried unless otherwise stated.

* - The calculations for the mean value test include outliers

*** THESE RESULTS PRESENTED ARE ASSESSED UNDER THE COMBINED CLEA ASSESSMENT CRITERION AS OUTLINED WITHIN SR4 ASSUMING NO FREE PRODUCT WAS OBSERVED DURING FIELDWORK- SEE 'GUIDANCE NOTES ON CONTAMINATION'.

NOTES:

For the Purpose of this investigation- results will be assessed agains RESIDENTIAL GUIDELINES WITH HOMEGROWN PRODUCE WITH NO FREE PRODUCT.

APPENDIX E

(i) Geotechnical Test Results

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STRUCTURAL SOILS LTD

TEST REPORT

Report No. 782613 R1

1774

Date 07-June-2017 Contract 17/03580

Client Envirolab Ltd
Address Units 7 & 8 Sandpits Business Park
Mottram Road
Hyde
SK14 3AR

For the Attention of Iain Haslock

Samples submitted by client	26/05/2017	Client Reference	17/03580
Testing Started	26/05/2017	Client Order No.	P0736035
Testing Completed	07/06/2017	Instruction Type	Written

UKAS Accredited Tests Undertaken

Moisture Content (oven drying method) BS1377:Part 2:1990,clause 3.2 (superseded)**
Liquid Limit (definitive method) BS1377:Part 2:1990,clause 4.3
Plastic Limit BS1377:Part 2:1990,clause 5.3
Plasticity Index Derivation BS1377:Part 2:1990,clause 5.4

* This clause of BS1377 is no longer the most up to date method due to the publication of ISO17892

Please Note: Remaining samples will be retained for a period of one month from today and will then be disposed of.
Test were undertaken on samples 'as received' unless otherwise stated.
Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.

Structural Soils Ltd, The Potteries, Pottery Street, Castleford, WF10 1NJ Tel.01977 552255. E-mail mark.athorne@soils.co.uk

SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with clauses 3.2,4.3,4.4,5.3,5.4,7.2,8.2,8.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Moisture Content %	Liquid Limit %	Plastic Limit %	Plasticity Index	% <425um	Description of Sample
BH4	17/03580/72	D	2.60	23	46	20	26	100	Brown slightly silty CLAY
TP1	17/03580/5	D	2.00	22	50	23	27	100	Dark brown slightly sandy CLAY
TP11	17/03580/23	D	2.60	26	52	22	30	85	Dark grey/brown slightly sandy slightly gravelly CLAY

STRUCTURAL SOILS LTD

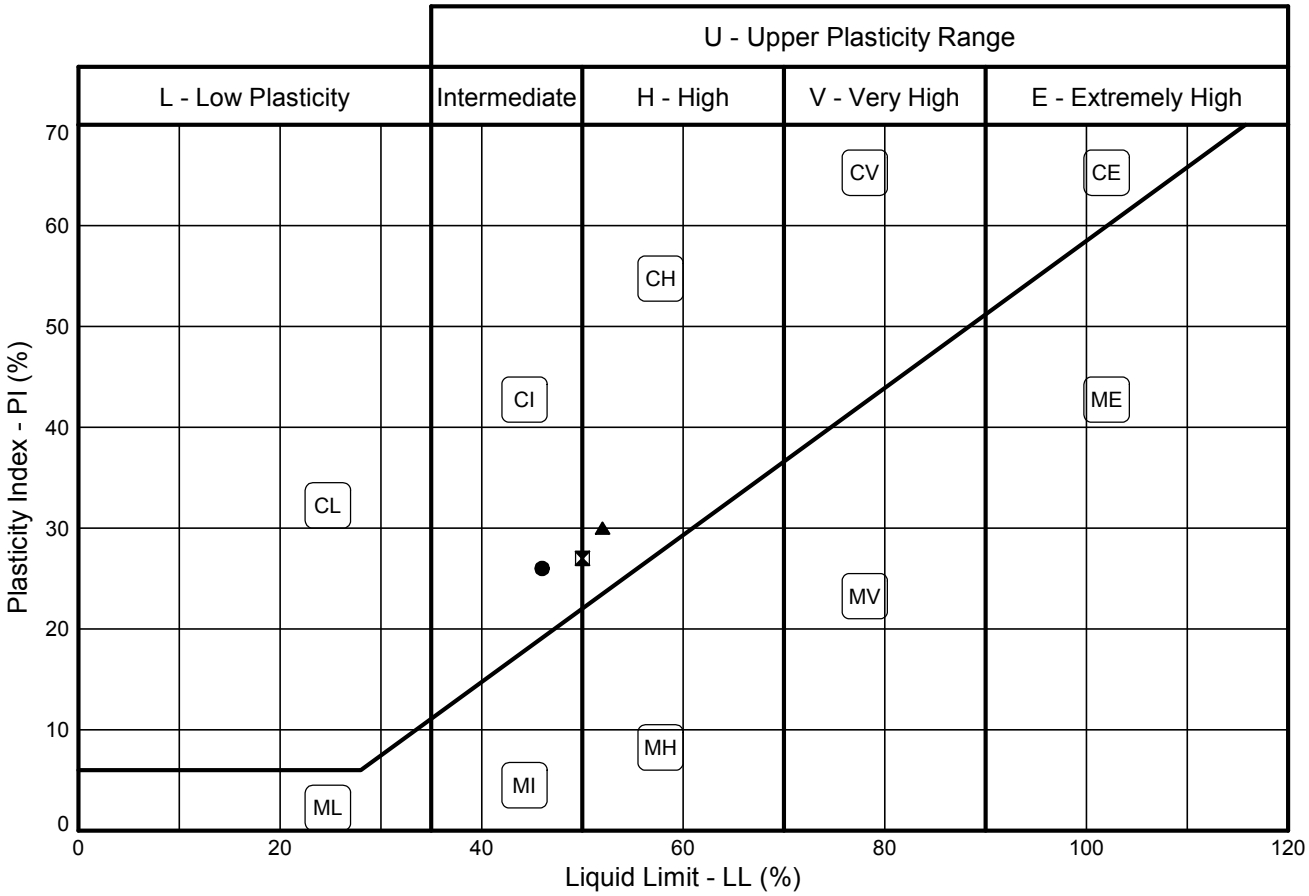
Contract: **17/03580**

Contract Ref: **782613**

AGS

PLASTICITY CHART - PI Vs LL

In accordance with clause 42.3 of BS5930:1999
Testing in accordance with BS1377-2:1990



Sample Identification				BS Test Method #	Preparation Method +	MC	LL	PL	PI	<425um	Lab location
	Exploratory Position ID	Sample	Depth (m)			%	%	%	%	%	
●	BH4	17/03580/72D	2.60	3.2/4.3/5.3/5.4	4.2.3	23	46	20	26	100	C
⊠	TP1	17/03580/5D	2.00	3.2/4.3/5.3/5.4	4.2.3	22	50	23	27	100	C
▲	TP11	17/03580/23D	2.60	3.2/4.3/5.3/5.4	4.2.4	26	52	22	30	85	C

Tested in accordance with the following clauses of BS1377-2:1990.

3.2 - Moisture Content
4.3 - Cone Penetrometer Method
4.4 - One Point Cone Penetrometer Method
4.6 - One Point Casagrande Method
5.3 - Plastic Limit Method
5.4 - Plasticity Index

+ Tested in accordance with the following clauses of BS1377-2:1990.

4.2.3 - Natural State
4.2.4 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

STRUCTURAL SOILS
The Potteries
Pottery Street
Castleford
W. Yorkshire WF10 1NJ

Compiled By		Date
M. Fisher.	**MAUREEN FISHER**	**07/06/17**

Contract	Contract Ref:
17/03580	**782613**

AGS

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Geotech Lab-Castleford - 007 | Graph L - ALINE STANDARD - A4P | 782613 - 17-03580.GPJ - v8_06
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk | 07/06/17 - 16:05 | MF1 |

STRUCTURAL SOILS LTD

TEST REPORT

Report No. 782630 R1

1774

Date 16-June-2017 Contract 17LPL051

Client Envirolab Ltd
Address Units 7 & 8 Sandpits Business Park
Mottram Road
Hyde
SK14 3AR

For the Attention of Iain Haslock

Samples submitted by client	06/06/2017	Client Reference	17/03580
Testing Started	07/06/2017	Client Order No.	P0736081
Testing Completed	16/06/2017	Instruction Type	Written

UKAS Accredited Tests Undertaken

Moisture Content (oven drying method) BS1377:Part 2:1990,clause 3.2 (superseded)**
Liquid Limit (definitive method) BS1377:Part 2:1990,clause 4.3
Liquid Limit (one point method) BS1377:Part 2:1990,clause 4.4
Plastic Limit BS1377:Part 2:1990,clause 5.3
Plasticity Index Derivation BS1377:Part 2:1990,clause 5.4

* This clause of BS1377 is no longer the most up to date method due to the publication of ISO17892

Please Note: Remaining samples will be retained for a period of one month from today and will then be disposed of.
Test were undertaken on samples 'as received' unless otherwise stated.
Opinions and interpretations expressed in this report are outside the scope of accreditation for this laboratory.

Structural Soils Ltd, The Potteries, Pottery Street, Castleford, WF10 1NJ Tel.01977 552255. E-mail mark.athorne@soils.co.uk

SUMMARY OF SOIL CLASSIFICATION TESTS

In accordance with clauses 3.2,4.3,4.4,5.3,5.4,7.2,8.2,8.3 of BS1377:Part 2:1990

Exploratory Position ID	Sample Ref	Sample Type	Depth (m)	Moisture Content %	Liquid Limit %	Plastic Limit %	Plasticity Index %	% <425um	Description of Sample
BH1	17/03580/40`	D	3.50	20	44	19	25	100	Brown slightly sandy slightly gravelly CLAY
BH2	17/03580/53	D	2.35	27	49	20	29	100	Grey brown slightly sandy CLAY
BH2	17/03580/61	D	10.50	9.5	26	12	14	71	Brown slightly sandy slightly gravelly CLAY

STRUCTURAL SOILS LTD

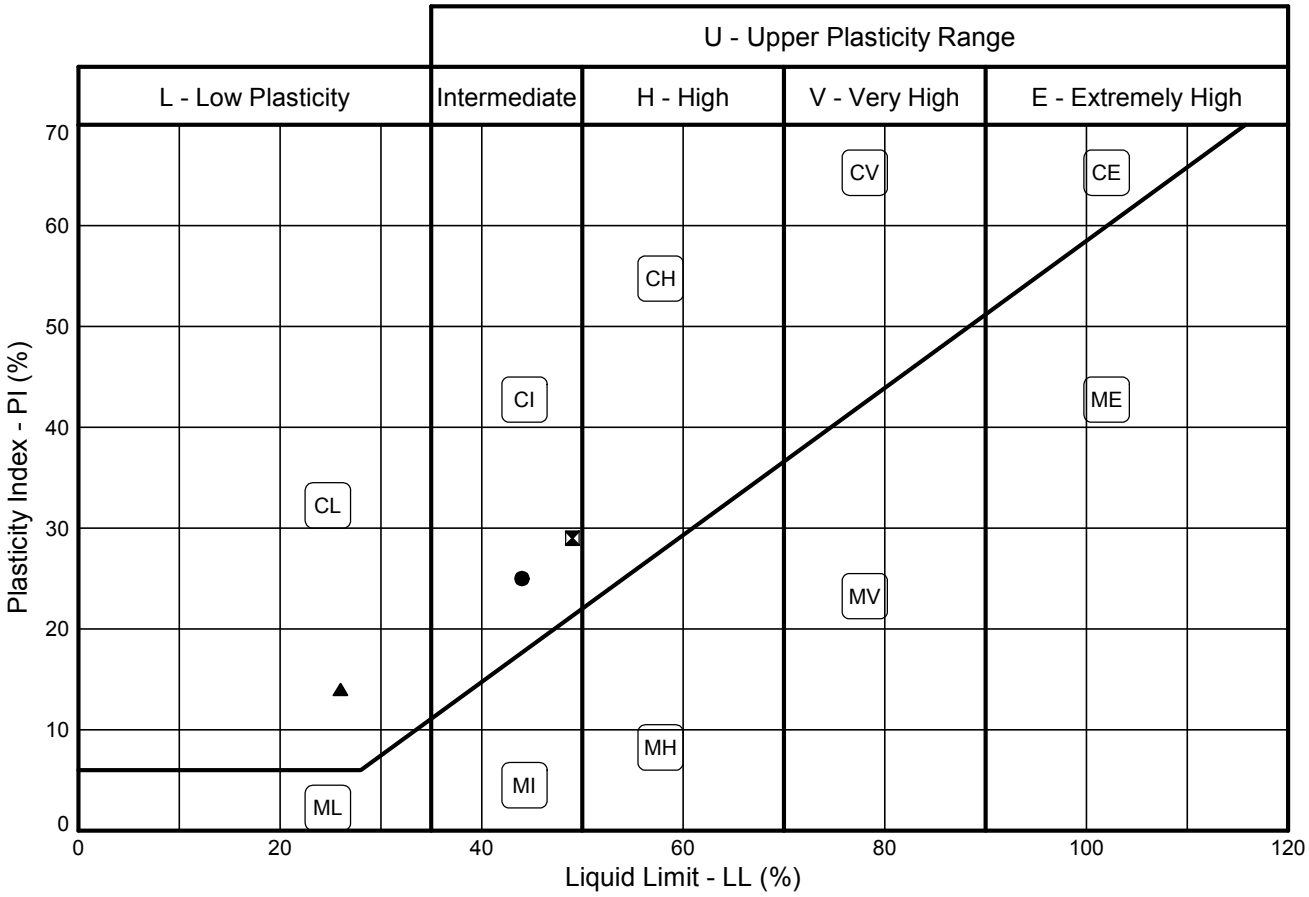
Contract: **17/03580**

Contract Ref: **782630**

AGS

PLASTICITY CHART - PI Vs LL

In accordance with clause 42.3 of BS5930:1999
Testing in accordance with BS1377-2:1990



Sample Identification				BS Test Method #	Preparation Method +	MC %	LL %	PL %	PI %	<425um %	Lab location
	Exploratory Position ID	Sample	Depth (m)								
●	BH1	17/03580/40	D3.50	3.2/4.3/5.3/5.4	4.2.3	20	44	19	25	100	C
⊠	BH2	17/03580/53	D 2.35	3.2/4.3/5.3/5.4	4.2.3	27	49	20	29	100	C
▲	BH2	17/03580/61	D10.50	3.2/4.4/5.3/5.4	4.2.4	9.5	26	12	14	71	C

Tested in accordance with the following clauses of BS1377-2:1990.

3.2 - Moisture Content
4.3 - Cone Penetrometer Method
4.4 - One Point Cone Penetrometer Method
4.6 - One Point Casagrande Method
5.3 - Plastic Limit Method
5.4 - Plasticity Index

+ Tested in accordance with the following clauses of BS1377-2:1990.

4.2.3 - Natural State
4.2.4 - Wet Sieved

Key: * = Non-standard test, NP = Non plastic.

Lab location: B = Bristol (BS3 4AG), C = Castleford (WF10 1NJ), H = Hemel Hempstead (HP3 9RT), T = Tonbridge (TN11 9HU)

STRUCTURAL SOILS
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Compiled By		Date
M. Athorne	MARK ATHORNE	16/06/17
Contract: 17/03580		Contract Ref: 782630

GINT_LIBRARY_V8_06.GLB LibVersion: v8_06_017 PrjVersion: v8_06 - Core+Geotech Lab-Castleford - 007 | Graph L - ALINE STANDARD - W - A4P | 782630 - 17-03580.GPJ - v8_06
Structural Soils Ltd, Branch Office - Castleford: The Potteries, Pottery Street, Castleford, West Yorkshire, WF10 1NJ. Tel: 01977-552255, Fax: 01977-552299, Web: www.soils.co.uk, Email: ask@soils.co.uk. | 16/06/17 - 11:45 | MAA1 |

APPENDIX F

(i) Ground Gas Monitoring Data

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Site: Miles Platting 3.1
Job Number: 17LPL051
Date of Monitoring: 01/06/2017

Ground Gas Monitoring Round 1

BETTS ASSOCIATES
GEO ENVIRONMENTAL

Borehole	Gas Flow (l/hr)	Atmospheric Pressure (mB)	Methane CH_4(%v/v)		Carbon Dioxide CO_2 (% v/v)		Oxygen (%v/v)		Other Gases			Depth to Water	
			Peak	Steady	Peak	Steady	Min	Steady	PID	H_2S	CO	(mbgl)	BH depth
BH1	0.0	1013	0.1	0.1	0.2	0.1	20.3	20.3	-	-	3	DRY	3.54
BH2	0.0	1013	0.1	0.1	1.2	1.0	17.5	17.7	-	-	2	2.42	2.43
BH3	0.0	1013	0.0	0.0	0.4	0.3	20	20	-	-	5	DRY	2.99
BH4	0.0	1013	0.0	0.0	0.0	0.7	19.7	19.7	-	-	3	2.68	2.72

Notes:
Monitoring order is left to right across the table
Monitoring should be for **not less** than 3 minutes. However, if high concentrations of gases are initially recorded, monitoring should be for up to 10 minutes

Relevant Information at the Time of Monitoring	
Monitored by:	PH
Weather:	Warm, Blue sky, Frequent clouds, Light breeze
Equipment Used:	GA2000+
Visible signs of damage/stress:	
Other Comments/Observations:	Barometric pressure falling.

Site: Miles Platting 3.1
Job Number: 17LPL051
Date of Monitoring: 13/06/17

Ground Gas Monitoring Round 2

BETTS ASSOCIATES
GEO ENVIRONMENTAL

Borehole	Gas Flow (l/hr)	Atmospheric Pressure (mB)	Methane CH_4(%v/v)		Carbon Dioxide CO_2 (% v/v)		Oxygen (%v/v)		Other Gases			Depth to Water	
			Peak	Steady	Peak	Steady	Min	Steady	PID	H_2S	CO	(mbgl)	BH depth
BH1	0.0	1016	0.0	0.0	0.2	0.1	20.2	20.2	-	-	-	3.40	3.54
BH2	0.1	1016	0.0	0.0	1.9	1.7	16.2	16.2	-	-	-	2.40	2.43
BH3	0.0	1016	0.0	0.0	0.7	0.6	19.4	19.4	-	-	1	DRY	3.06
BH4	0.0	1016	0.0	0.0	1.5	1.5	18.1	18.1	-	-	1	2.70	2.73

Notes:
Monitoring order is left to right across the table
Monitoring should be for **not less** than 3 minutes. However, if high concentrations of gases are initially recorded, monitoring should be for up to 10 minutes

Relevant Information at the Time of Monitoring	
Monitored by:	PH
Weather:	Warm, Cloudy, Light wind
Equipment Used:	GA2000+
Visible signs of damage/stress:	
Other Comments/Observations:	Barometric pressure steady.

Site: Miles Platting 3.1
Job Number: 17LPL051
Date of Monitoring: 27/06/17

Ground Gas Monitoring Round 3

BETTS ASSOCIATES
GEO ENVIRONMENTAL

Borehole	Gas Flow (l/hr)	Atmospheric Pressure (mB)	Methane CH_4(%v/v)		Carbon Dioxide CO_2 (% v/v)		Oxygen (%v/v)		Other Gases			Depth to Water	
			Peak	Steady	Peak	Steady	Min	Steady	PID	H_2S	CO	(mbgl)	BH depth
BH1	0.0	1006	0.0	0.0	0.4	0.4	20	20.0	-	-	-	3.00	3.54
BH2	0.1	1006	0.0	0.0	2.7	2.3	13.1	13.1	-	-	-	2.35	2.42
BH3	0.1	1006	0.0	0.0	1.2	1.2	18.7	18.7	-	-	-	DRY	3.06
BH4	0.0	1006	0.0	0.0	1.7	1.6	18.8	18.8	-	-	-	2.69	2.72

Notes:
Monitoring order is left to right across the table
Monitoring should be for **not less** than 3 minutes. However, if high concentrations of gases are initially recorded, monitoring should be for up to 10 minutes

Relevant Information at the Time of Monitoring	
Monitored by:	PH
Weather:	Rain, Light wind, Cool
Equipment Used:	GA2000+
Visible signs of damage/stress:	
Other Comments/Observations:	Barometric Pressure falling.

Site: Miles Platting 3.1
Job Number: 17LPL051
Date of Monitoring: 28/07/17

Ground Gas Monitoring Round 4

BETTS ASSOCIATES
GEO ENVIRONMENTAL

Borehole	Gas Flow (l/hr)	Atmospheric Pressure (mB)	Methane CH_4(%v/v)		Carbon Dioxide CO_2 (% v/v)		Oxygen (%v/v)		Other Gases			Depth to Water	
			Peak	Steady	Peak	Steady	Min	Steady	PID	H_2S	CO	(mbgl)	BH depth
BH1	0.1	999	0.0	0.0	0.1	0.0	20.0	20.3	-	-	-	2.93	3.46
BH2	0.6	999	0.0	0.0	3.3	2.8	7.8	9.4	-	-	4	Dry	2.65
BH3	0.1	999	0.0	0.0	2.1	2.0	17.5	17.5	-	-	2	Dry	3.10
BH4	0.1	999	0.0	0.0	2.0	2.0	17.2	17.2	-	-	1	2.70	2.73

Notes:
Monitoring order is left to right across the table
Monitoring should be for **not less** than 3 minutes. However, if high concentrations of gases are initially recorded, monitoring should be for up to 10 minutes

Relevant Information at the Time of Monitoring	
Monitored by:	Paul Harrison
Weather:	Overcast, warm, windy
Equipment Used:	GA2000+
Visible signs of damage/stress:	N/A
Other Comments/Observations:	Air pressure steady.

Site: Miles Platting 3.1
Job Number: 17LPL051
Date of Monitoring: 8/08/2017

Ground Gas Monitoring Round 5

BETTS ASSOCIATES
GEO ENVIRONMENTAL

Borehole	Gas Flow (l/hr)	Atmospheric Pressure (mB)	Methane CH_4(%v/v)		Carbon Dioxide CO_2 (% v/v)		Oxygen (%v/v)		Other Gases			Depth to Water	
			Peak	Steady	Peak	Steady	Min	Steady	PID	H_2S	CO	(mbgl)	BH depth
BH1	0.0	1011	0.0	0.0	0.1	0.0	20.2	20.2	-	-	-	3.00	3.60
BH2	0.2	1011	0.0	0.0	3.8	3.2	7.7	6.1	-	-	-	2.32	2.43
BH3	0.0	1011	0.0	0.0	0.6	0.5	18.1	19.3	-	-	-	1.76	3.12
BH4	0.0	1011	0.0	0.0	2.7	2.7	16.7	16.7	-	-	-	2.70	2.72

Notes:
Monitoring order is left to right across the table
Monitoring should be for **not less** than 3 minutes. However, if high concentrations of gases are initially recorded, monitoring should be for up to 10 minutes

Relevant Information at the Time of Monitoring	
Monitored by:	PH
Weather:	Overcast, mild, warm
Equipment Used:	GA2000+
Visible signs of damage/stress:	
Other Comments/Observations:	Barometric pressure steady.

Site: Miles Platting 3.1
Job Number: 17LPL051
Date of Monitoring: 18/08/2017

Ground Gas Monitoring Round 6

BETTS ASSOCIATES
GEO ENVIRONMENTAL

Borehole	Gas Flow (l/hr)	Atmospheric Pressure (mB)	Methane CH_4(%v/v)		Carbon Dioxide CO_2 (% v/v)		Oxygen (%v/v)		Other Gases			Depth to Water	
			Peak	Steady	Peak	Steady	Min	Steady	PID	H_2S	CO	(mbgl)	BH depth
BH1	0.0	1003	0.1	0.1	0.1	0.1	19.8	19.8	-	-	-	2.95	3.00
BH2	0.0	1003	0.0	0.0	1.2	1.2	15.7	15.7	-	-	1	DRY	2.50
BH3	0.0	1003	0.0	0.0	1.5	1.5	18.4	18.4	-	-	-	2.00	3.00
BH4	0.0	1003	0.1	0.1	2.6	2.6	16.8	16.8	-	-	-	DRY	2.75

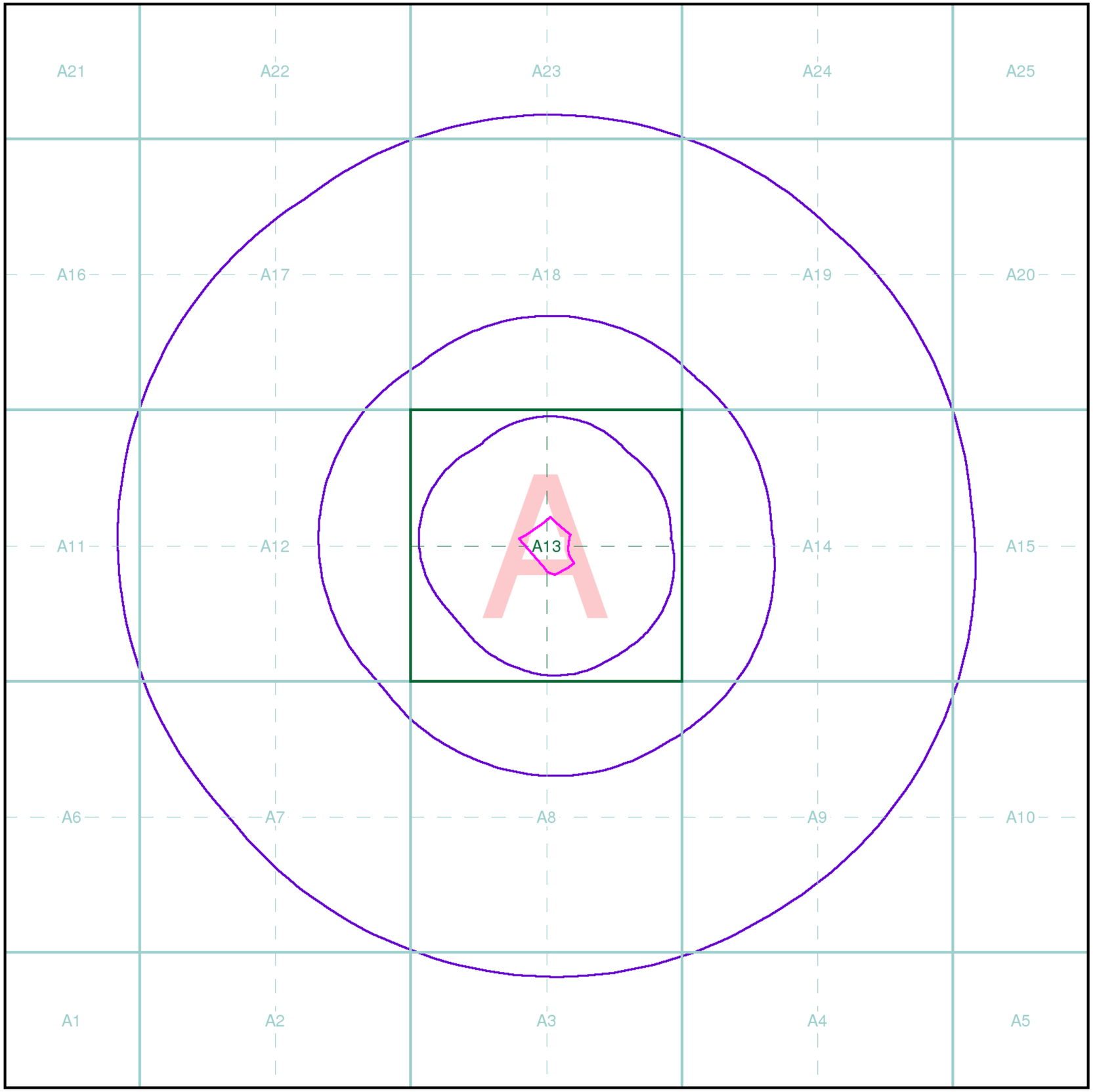
Notes:
Monitoring order is left to right across the table
Monitoring should be for **not less** than 3 minutes. However, if high concentrations of gases are initially recorded, monitoring should be for up to 10 minutes

Relevant Information at the Time of Monitoring	
Monitored by:	JS
Weather:	Humid, Cloudy, Thunder
Equipment Used:	GA2000+
Visible signs of damage/stress:	
Other Comments/Observations:	Barometric pressure steady.

APPENDIX H

(i) Historical Maps

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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:

Map data

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Environment Agency

NATURAL ENGLAND

Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr M Fawcett, Betts Geo Environmental, Old Marsh Farm Barns, Welsh Road, Sealand, Flintshire, CH5 2LY

Order Details

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National Grid Reference:	385320, 399070
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Search Buffer (m):	1000

Site Details

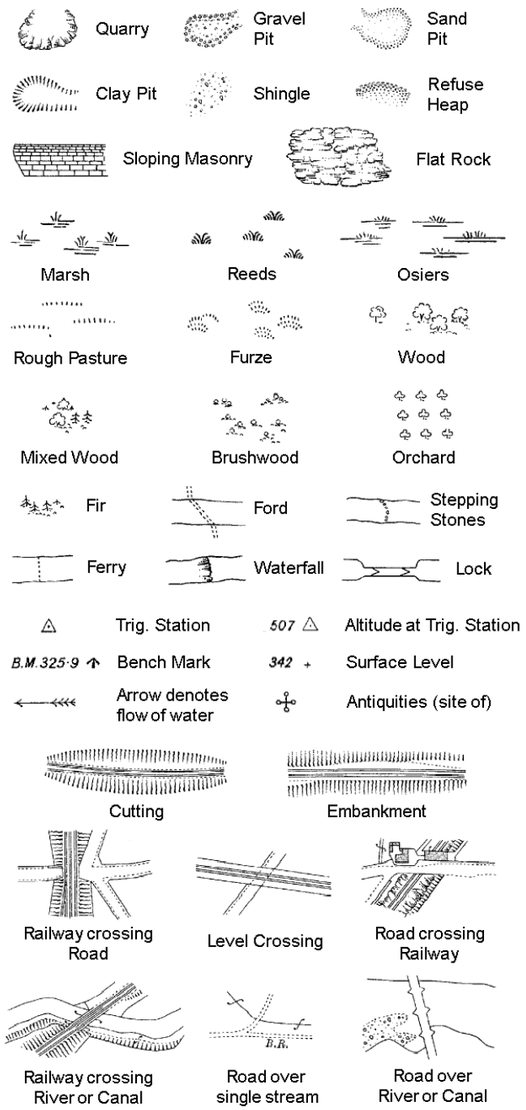
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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

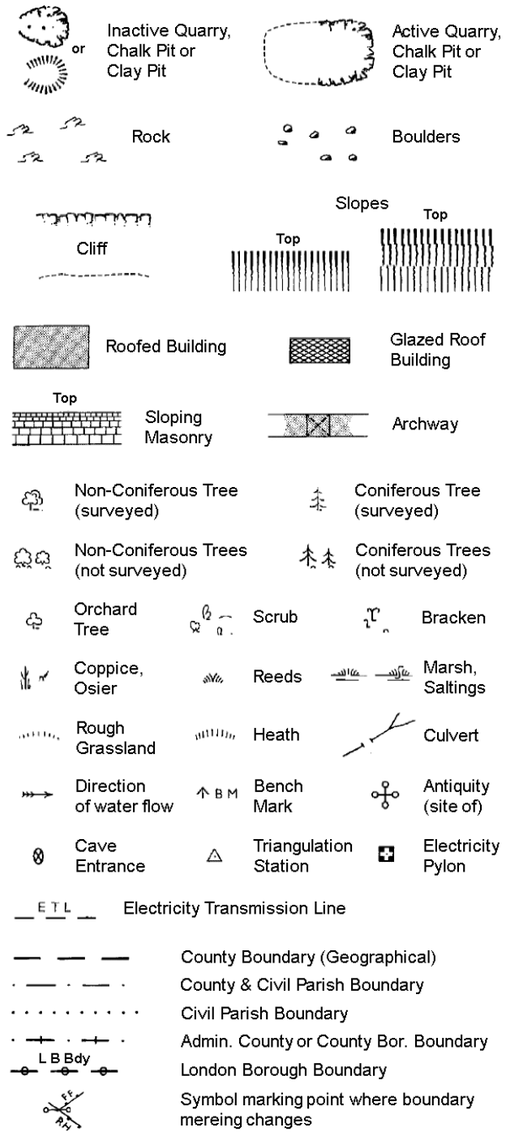
Administrative County & Civil Parish Boundary

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

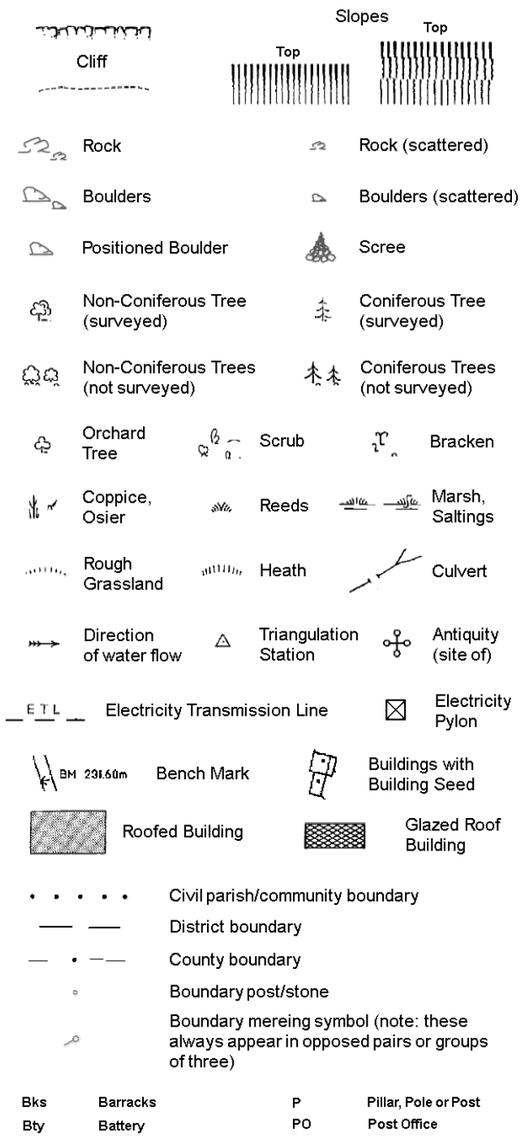
Admin. County or County Bor. Boundary

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

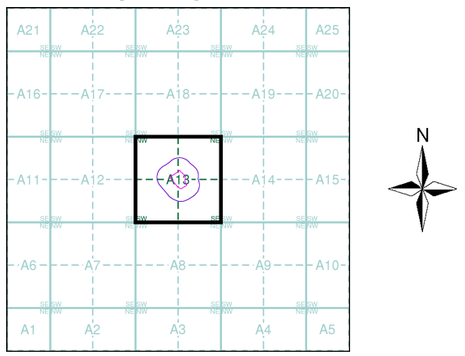
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Historical Mapping & Photography included:

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 - 1949	5
Ordnance Survey Plan	1:2,500	1951	6
Ordnance Survey Plan	1:1,250	1952 - 1955	7
Ordnance Survey Plan	1:2,500	1953 - 1955	8
Ordnance Survey Plan	1:1,250	1958 - 1965	9
Ordnance Survey Plan	1:2,500	1959 - 1966	10
Ordnance Survey Plan	1:2,500	1966 - 1969	11
Ordnance Survey Plan	1:1,250	1968 - 1986	12
Supply of Unpublished Survey Information	1:1,250	1973	13
Additional SIMs	1:1,250	1978 - 1984	14
Additional SIMs	1:1,250	1981 - 1986	15
Additional SIMs	1:1,250	1986	16
Ordnance Survey Plan	1:1,250	1988 - 1989	17
Additional SIMs	1:1,250	1991	18
Large-Scale National Grid Data	1:1,250	1992	19
Large-Scale National Grid Data	1:1,250	1993 - 1995	20
Large-Scale National Grid Data	1:1,250	1994	21
Large-Scale National Grid Data	1:1,250	1996	22
Historical Aerial Photography	1:2,500	2000	23

Historical Map - Segment A13



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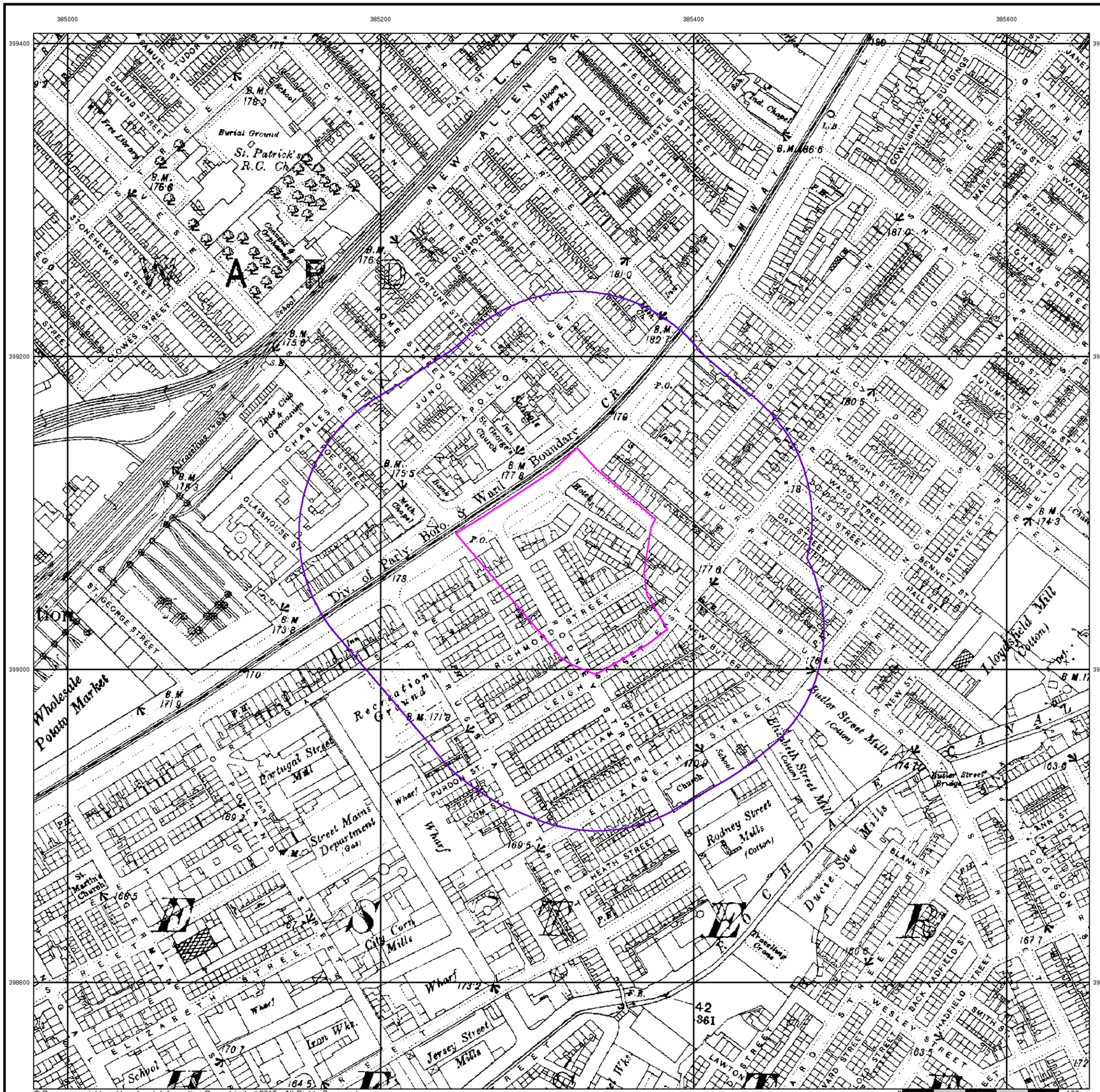
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Search Buffer (m):	100

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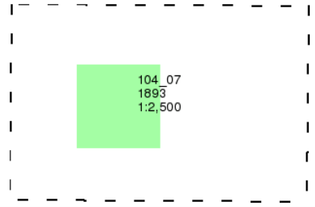
Lancashire And Furness

Published 1893

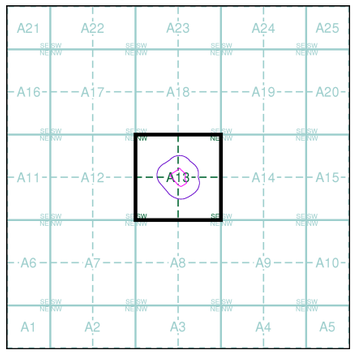
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)



Historical Map - Segment A13



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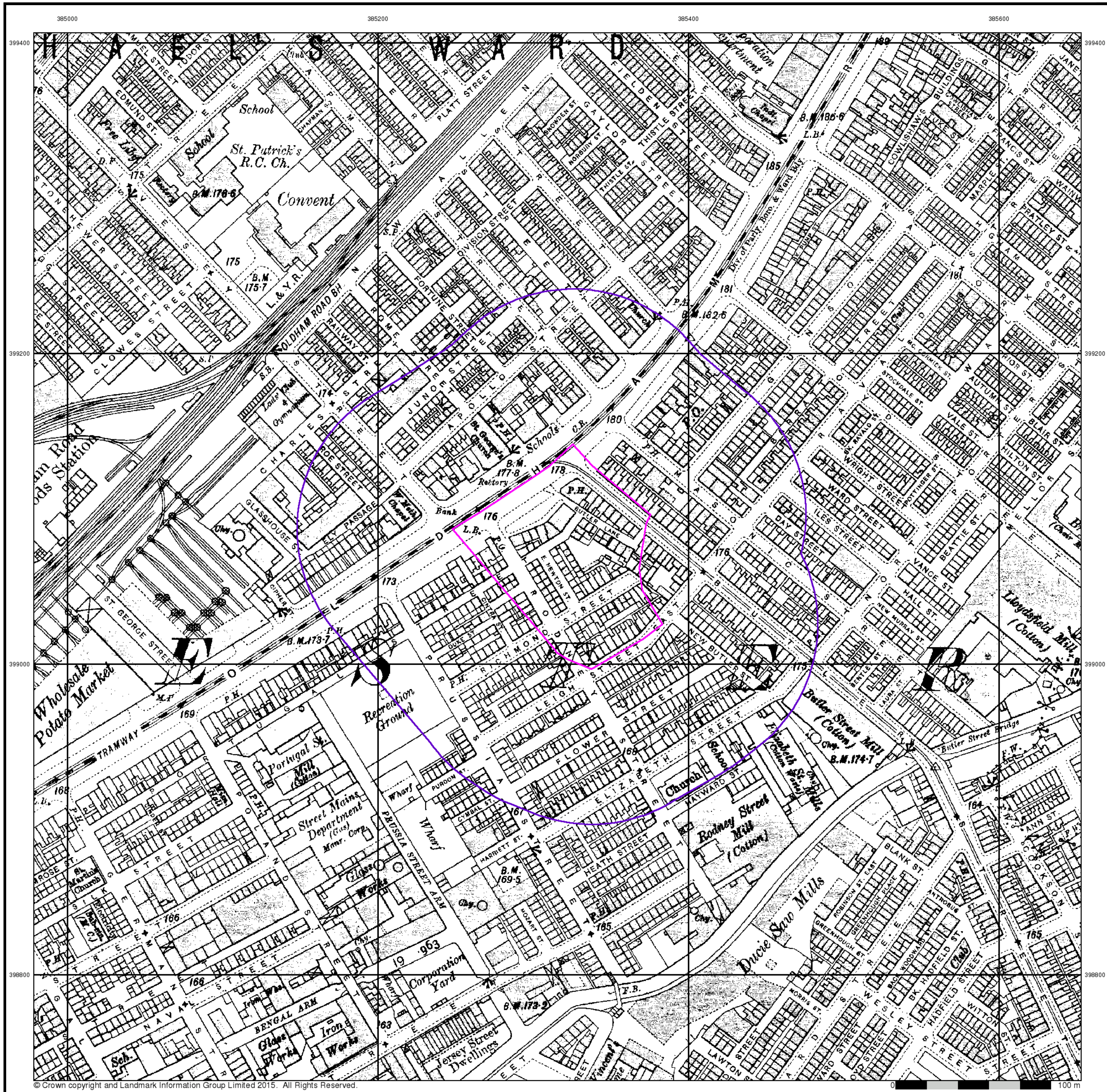
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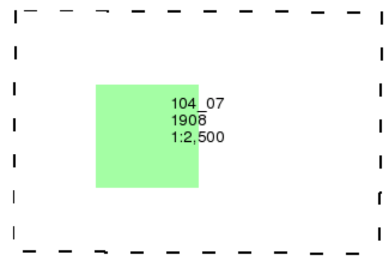
Lancashire And Furness

Published 1908

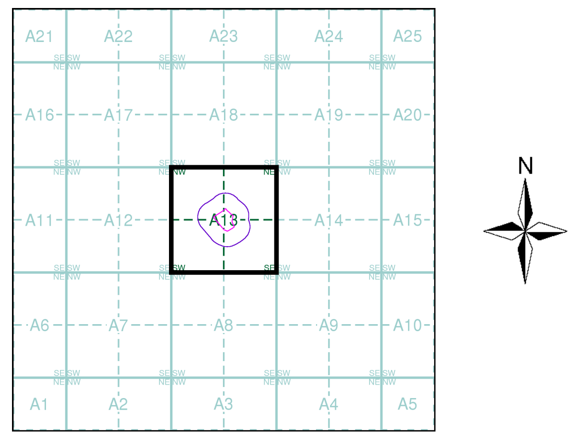
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Map Name(s) and Date(s)



Historical Map - Segment A13



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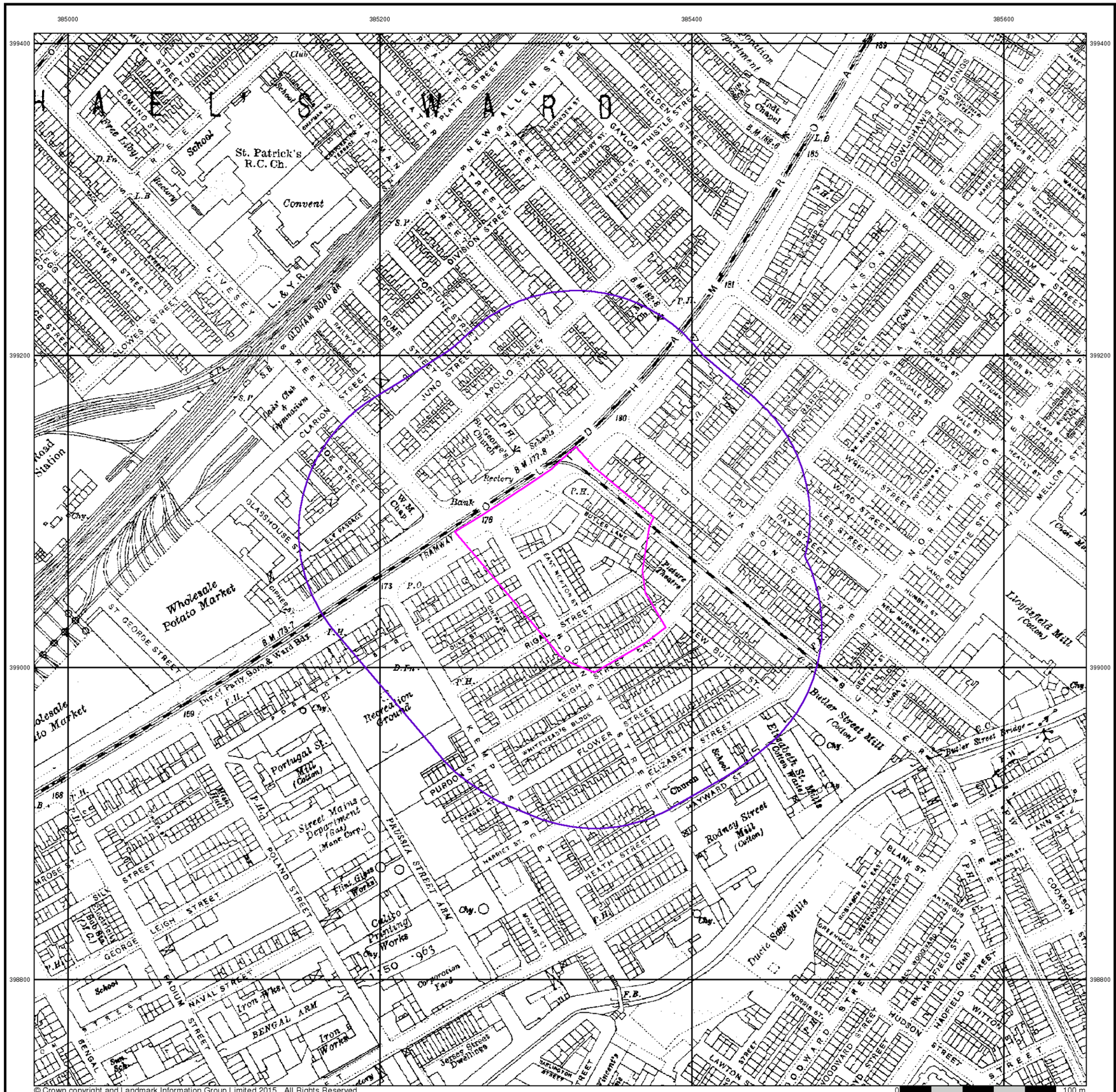
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Search Buffer (m):	100

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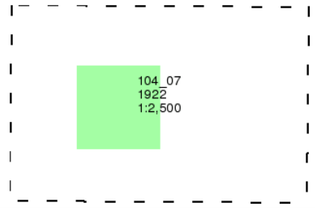
Lancashire And Furness

Published 1922

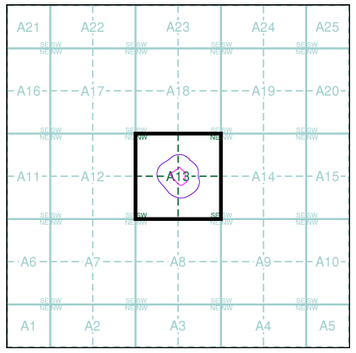
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

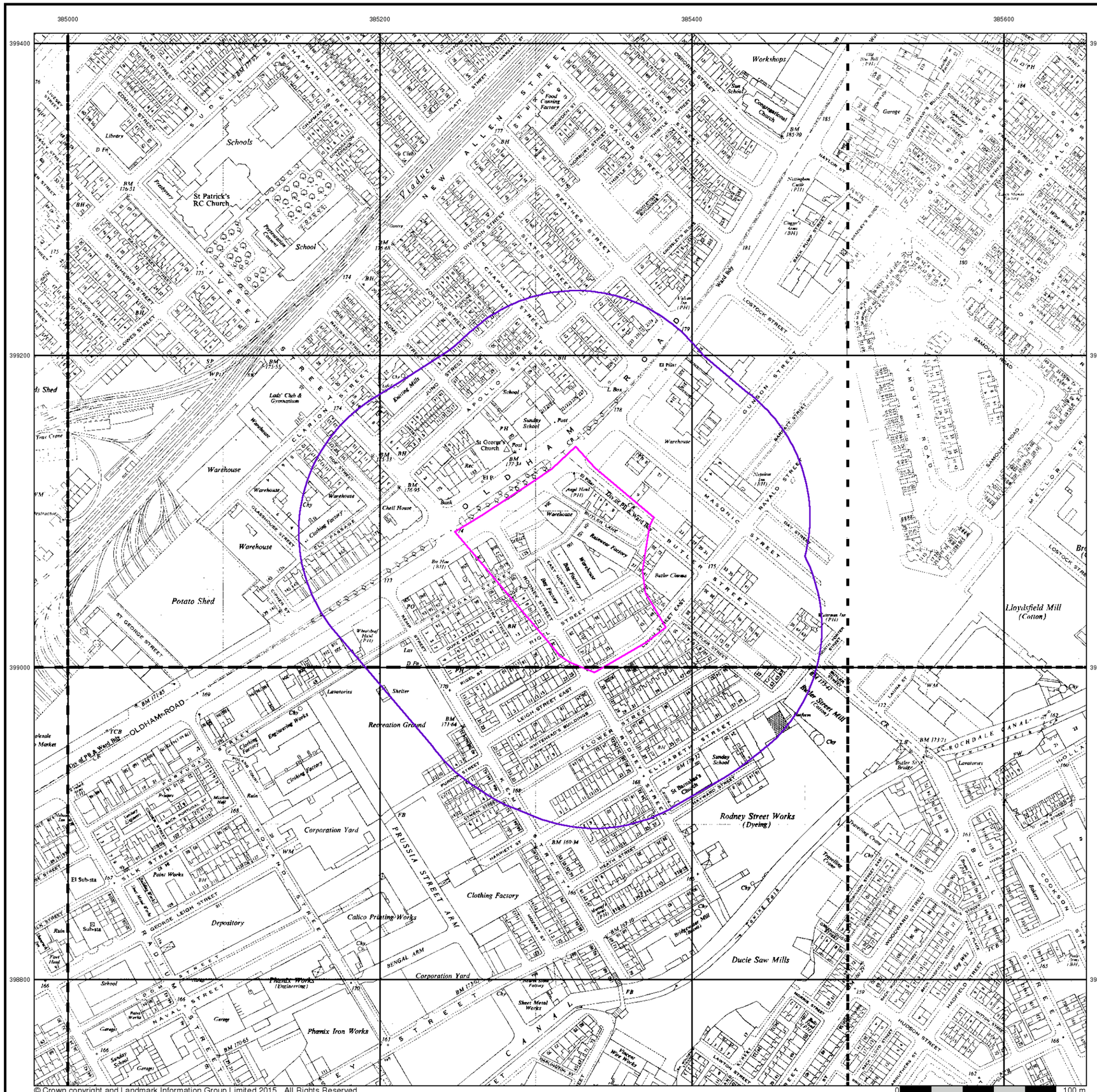
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Site Area (Ha):	1.09
Search Buffer (m):	100

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Ordnance Survey Plan

Published 1948 - 1949

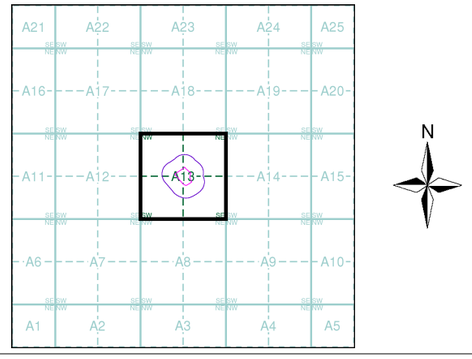
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Map Name(s) and Date(s)

SJ8499SE 1949 1:1,250	SJ8599SW 1949 1:1,250	SJ8599SE 1949 1:1,250
SJ8498NE 1948 1:1,250	SJ8598NW 1948 1:1,250	SJ8598NE 1949 1:1,250

Historical Map - Segment A13



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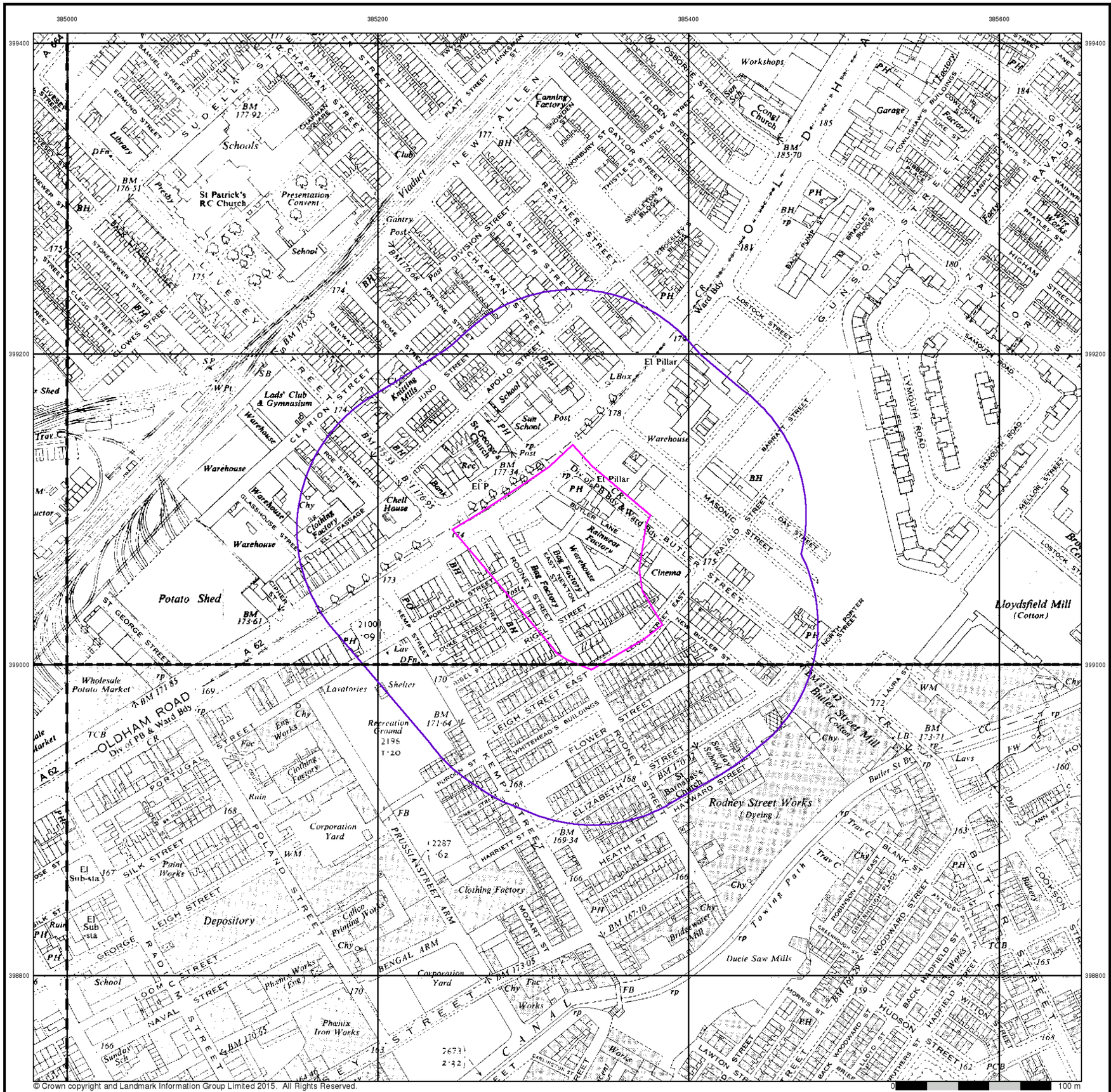
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Site Area (Ha):	1.09
Search Buffer (m):	100

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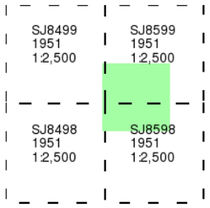
Ordnance Survey Plan

Published 1951

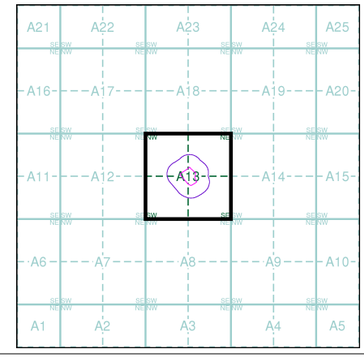
Source map scale - 1:2,500

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

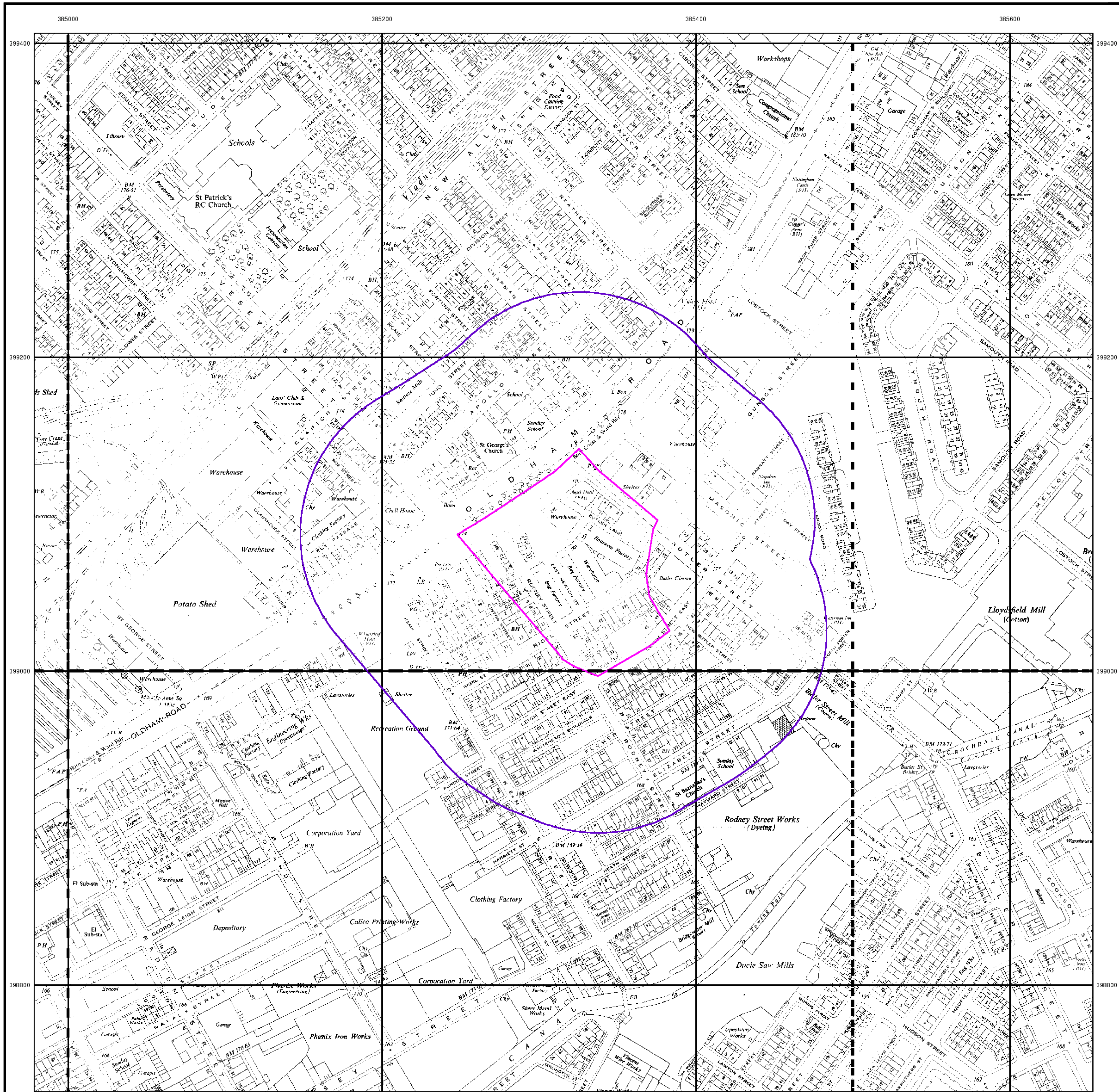
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Ordnance Survey Plan

Published 1952 - 1955

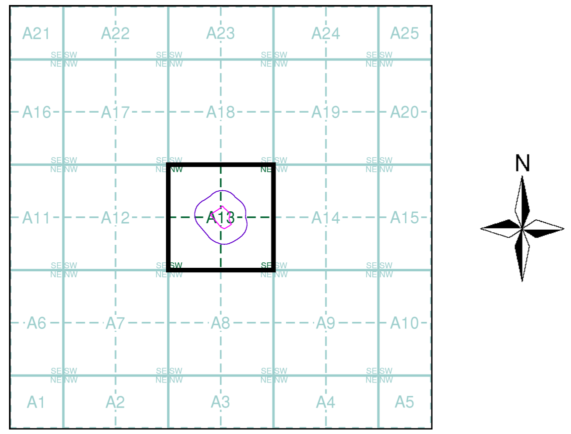
Source map scale - 1:1,250

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)

SJ8499SE 1952 1:1,250	SJ8599SW 1952 1:1,250	SJ8599SE 1953 1:1,250
SJ8498NE 1953 1:1,250	SJ8598NW 1952 1:1,250	SJ8598NE 1955 1:1,250

Historical Map - Segment A13



Order Details

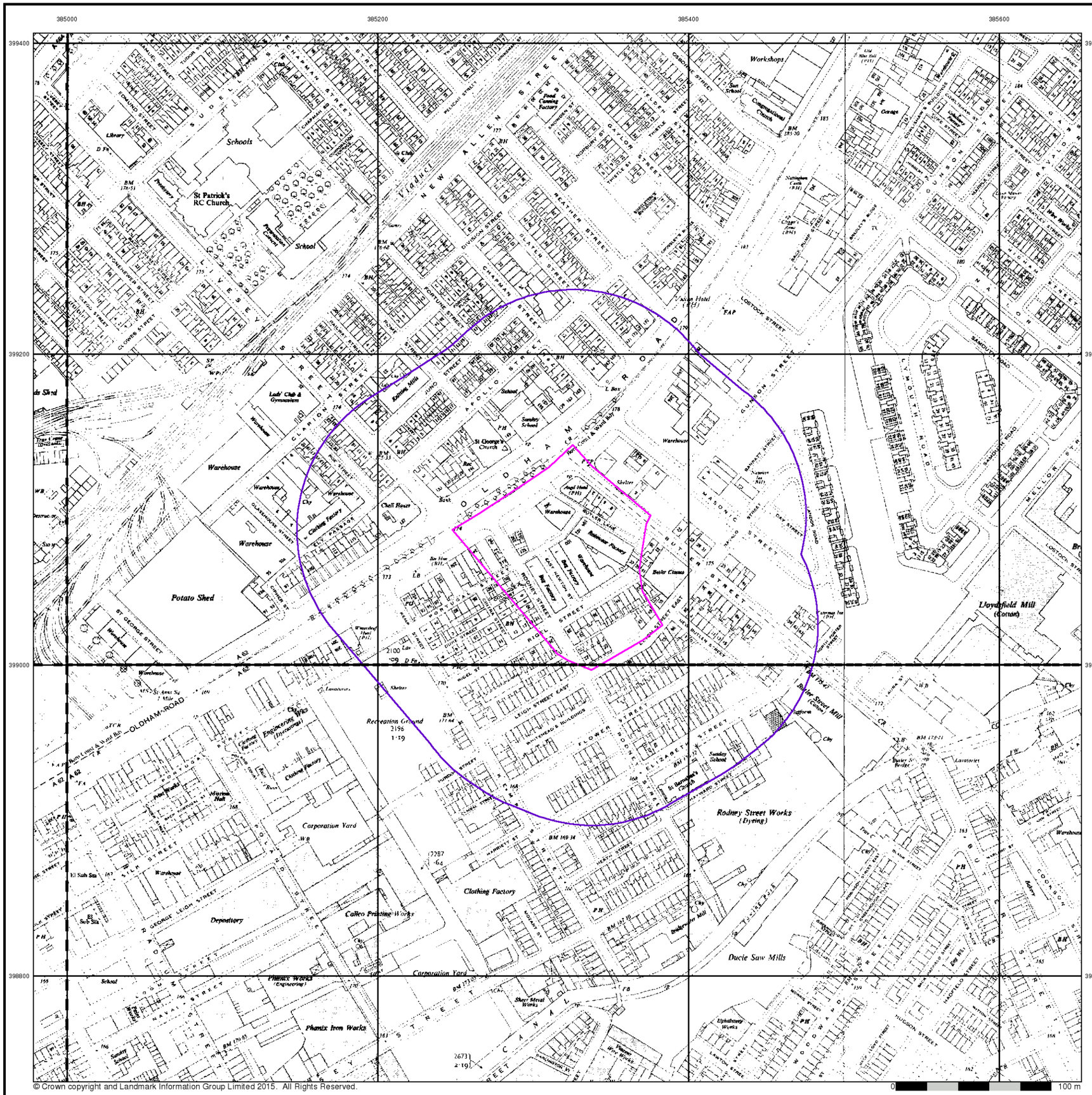
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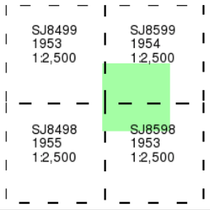
Ordnance Survey Plan

Published 1953 - 1955

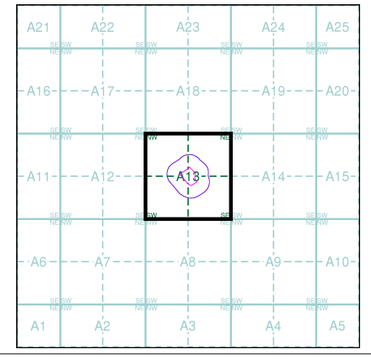
Source map scale - 1:2,500

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

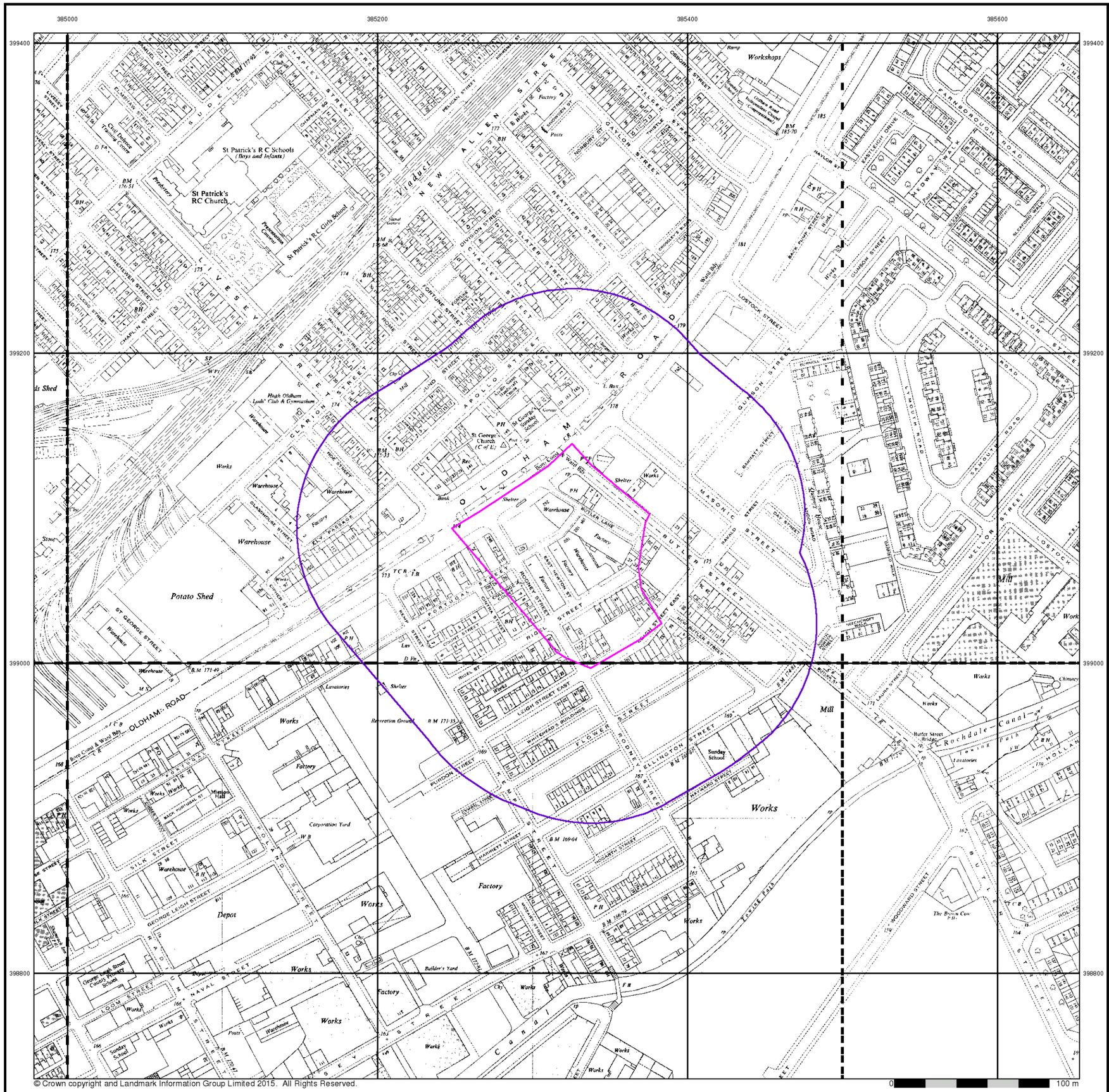
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Ordnance Survey Plan

Published 1958 - 1965

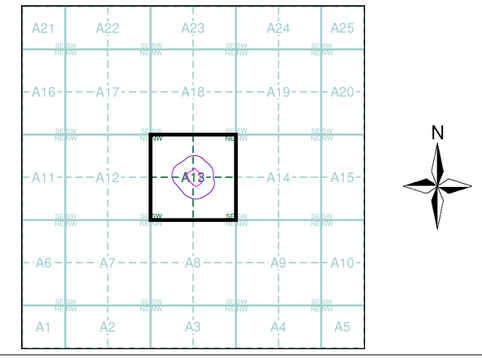
Source map scale - 1:1,250

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)

SJ8499SE 1958 1:1,250	SJ8599SW 1960 1:1,250	SJ8599SE 1965 1:1,250
SJ8498NE 1963 1:1,250	SJ8598NW 1963 1:1,250	SJ8598NE 1963 1:1,250

Historical Map - Segment A13



Order Details

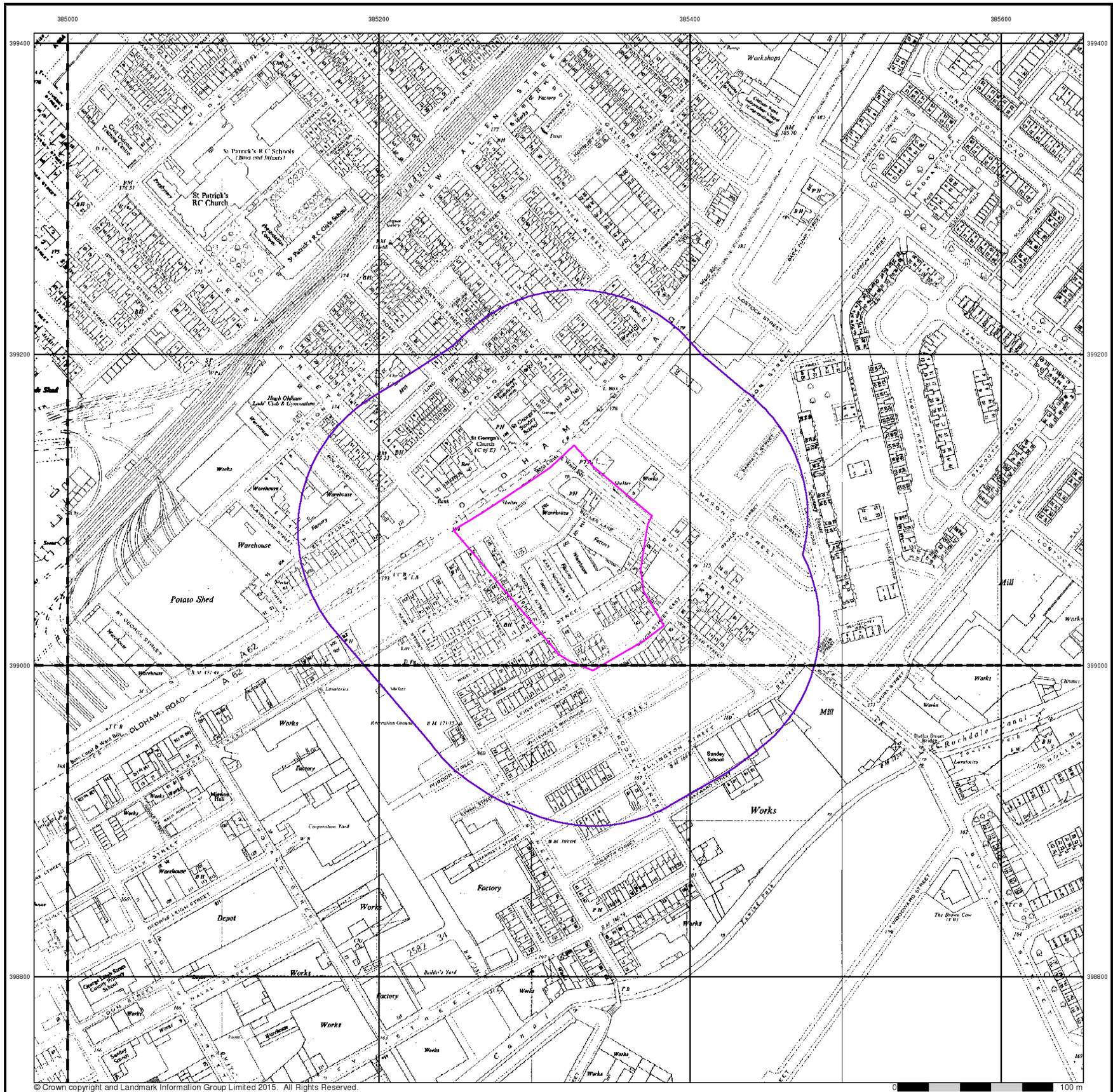
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Published 1959 - 1966

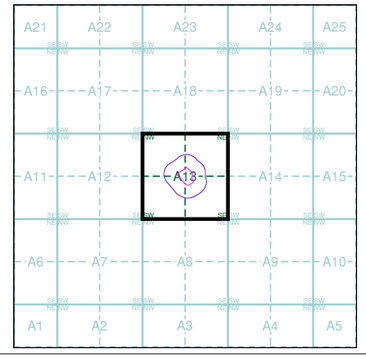
Source map scale - 1:2,500

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)

SJ8499 1959 1:2,500	SJ8599 1966 1:2,500
SJ8498 1965 1:2,500	SJ8598 1965 1:2,500

Historical Map - Segment A13



Order Details

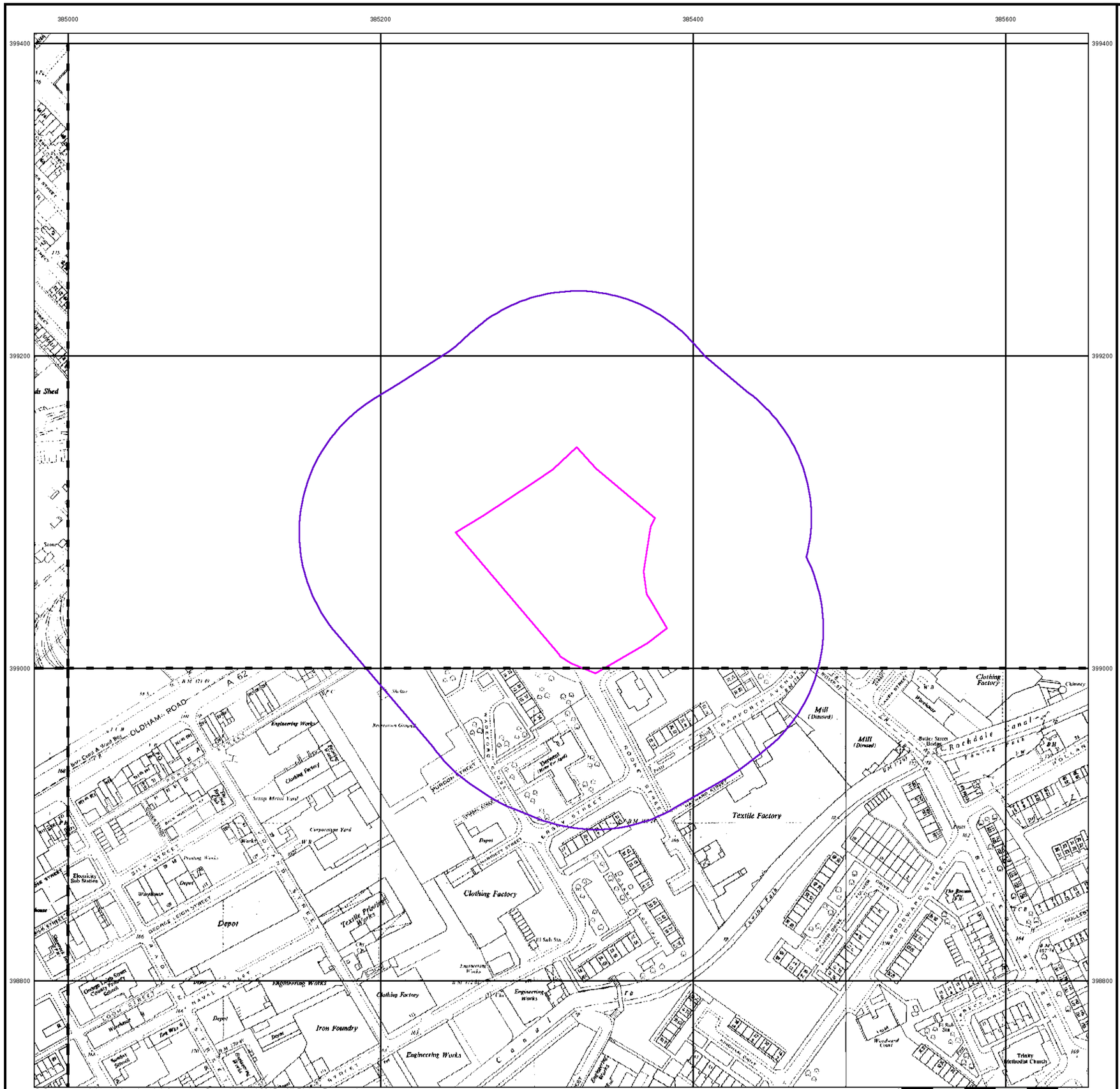
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National Grid Reference:	385320, 399070
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Site Area (Ha):	1.09
Search Buffer (m):	100

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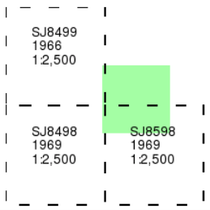
Ordnance Survey Plan

Published 1966 - 1969

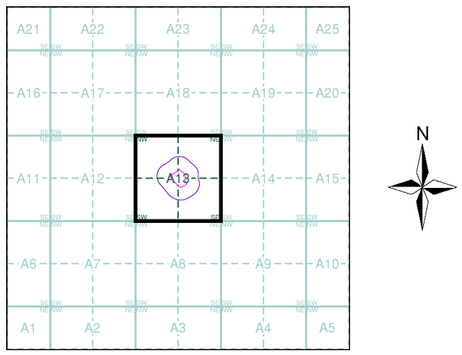
Source map scale - 1:2,500

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

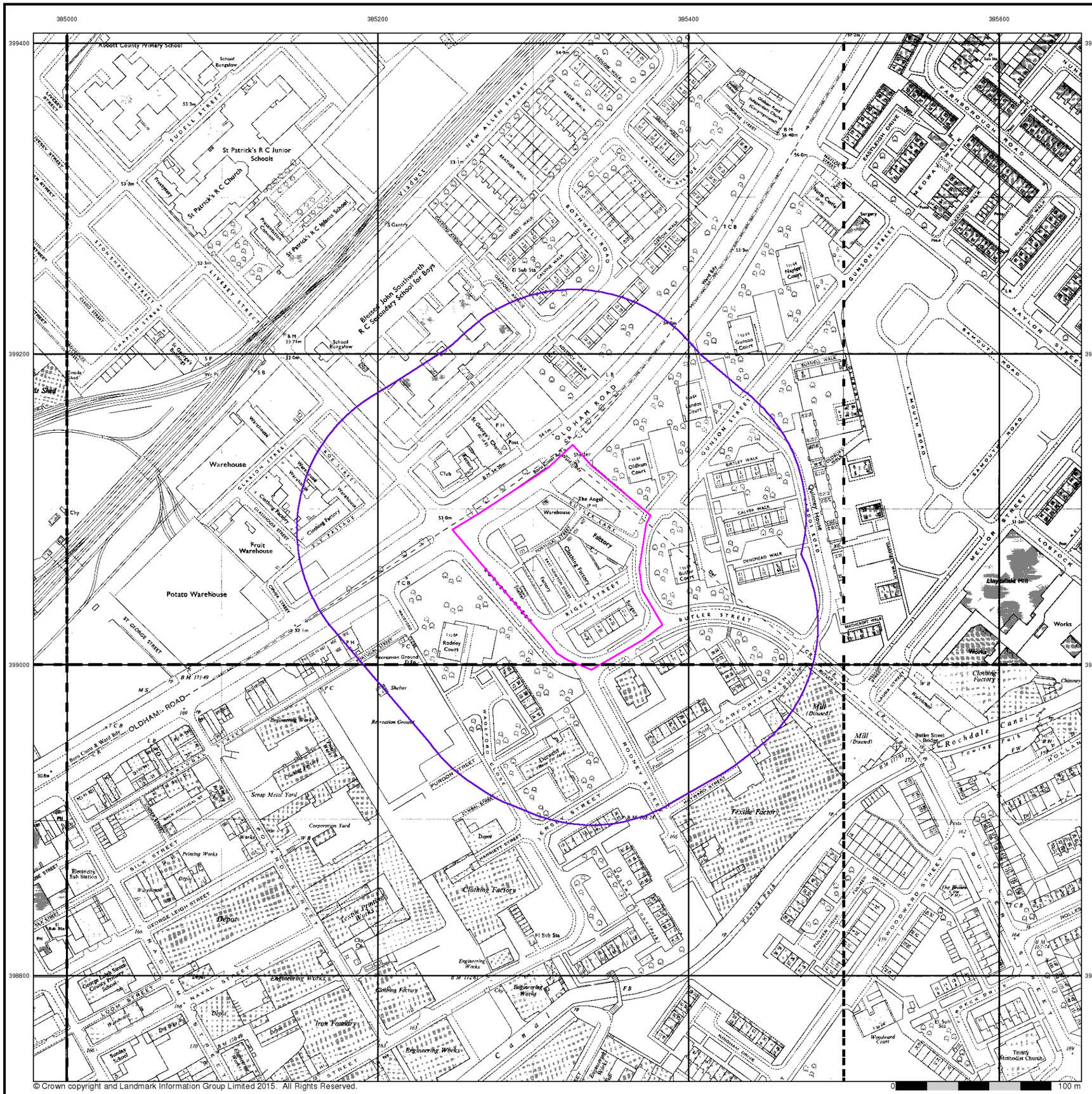
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Search Buffer (m):	100

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Ordnance Survey Plan

Published 1968 - 1986

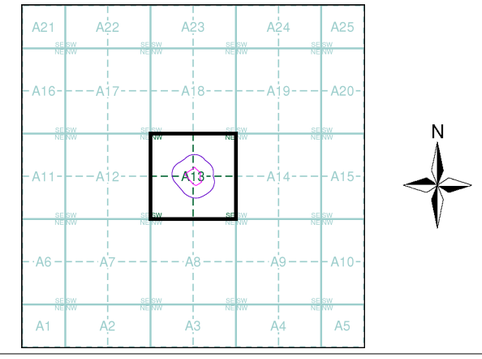
Source map scale - 1:1,250

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)

SJ8499SE 1970 1:1,250	SJ8599SW 1970 1:1,250	SJ8599SE 1981 1:1,250
SJ8498NE 1986 1:1,250	SJ8598NW 1968 1:1,250	SJ8598NE 1968 1:1,250

Historical Map - Segment A13



Order Details

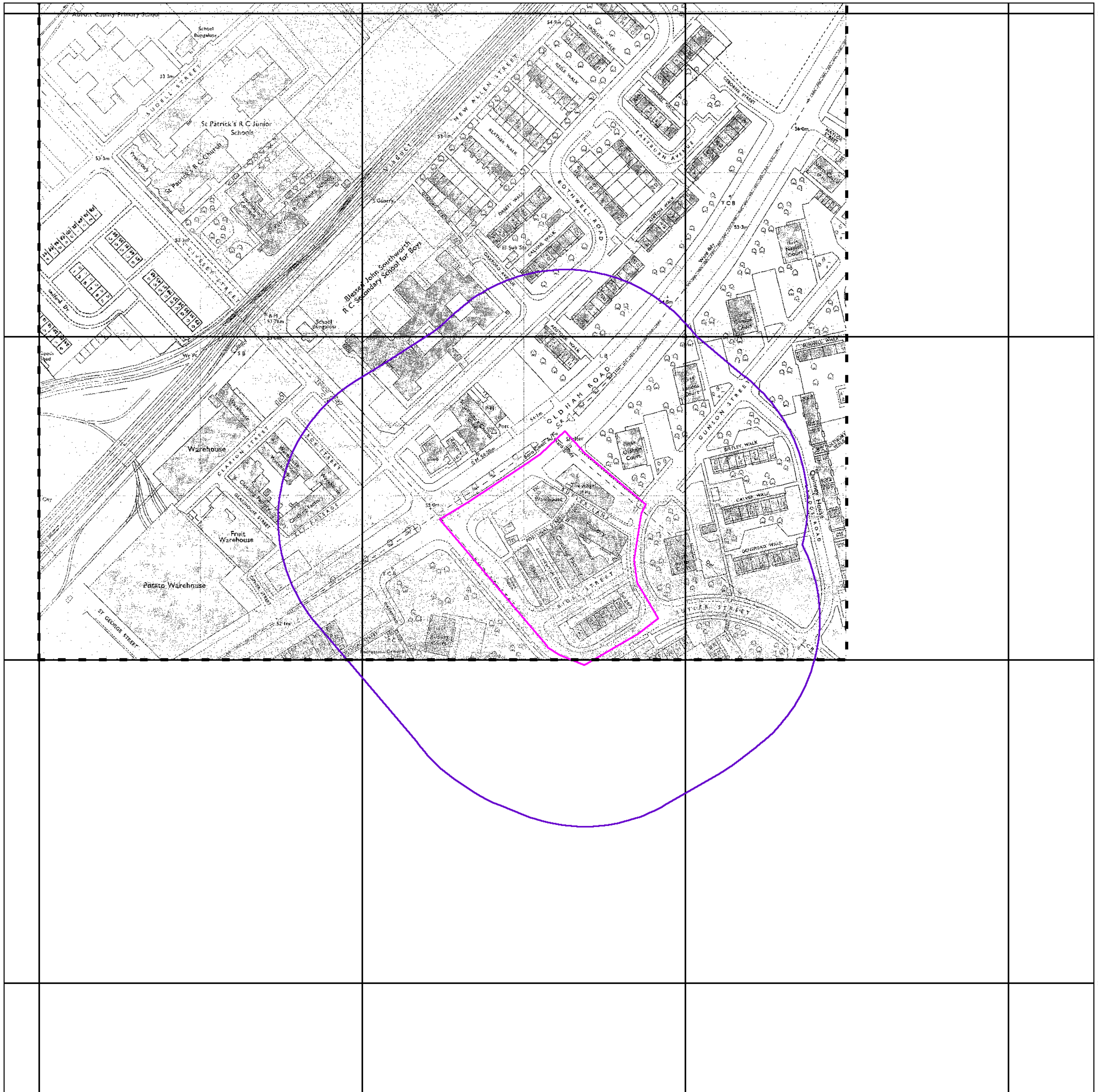
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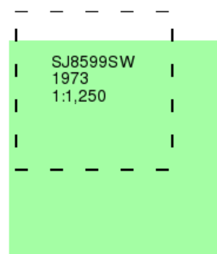
Supply of Unpublished Survey Information

Published 1973

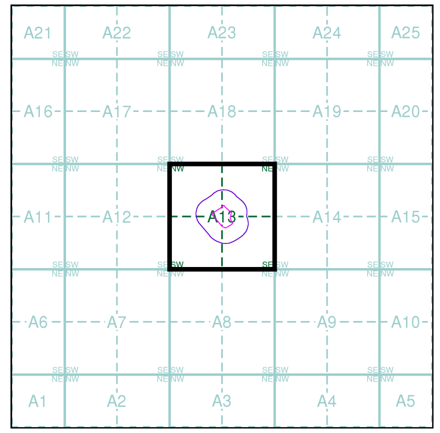
Source map scale - 1:1,250

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

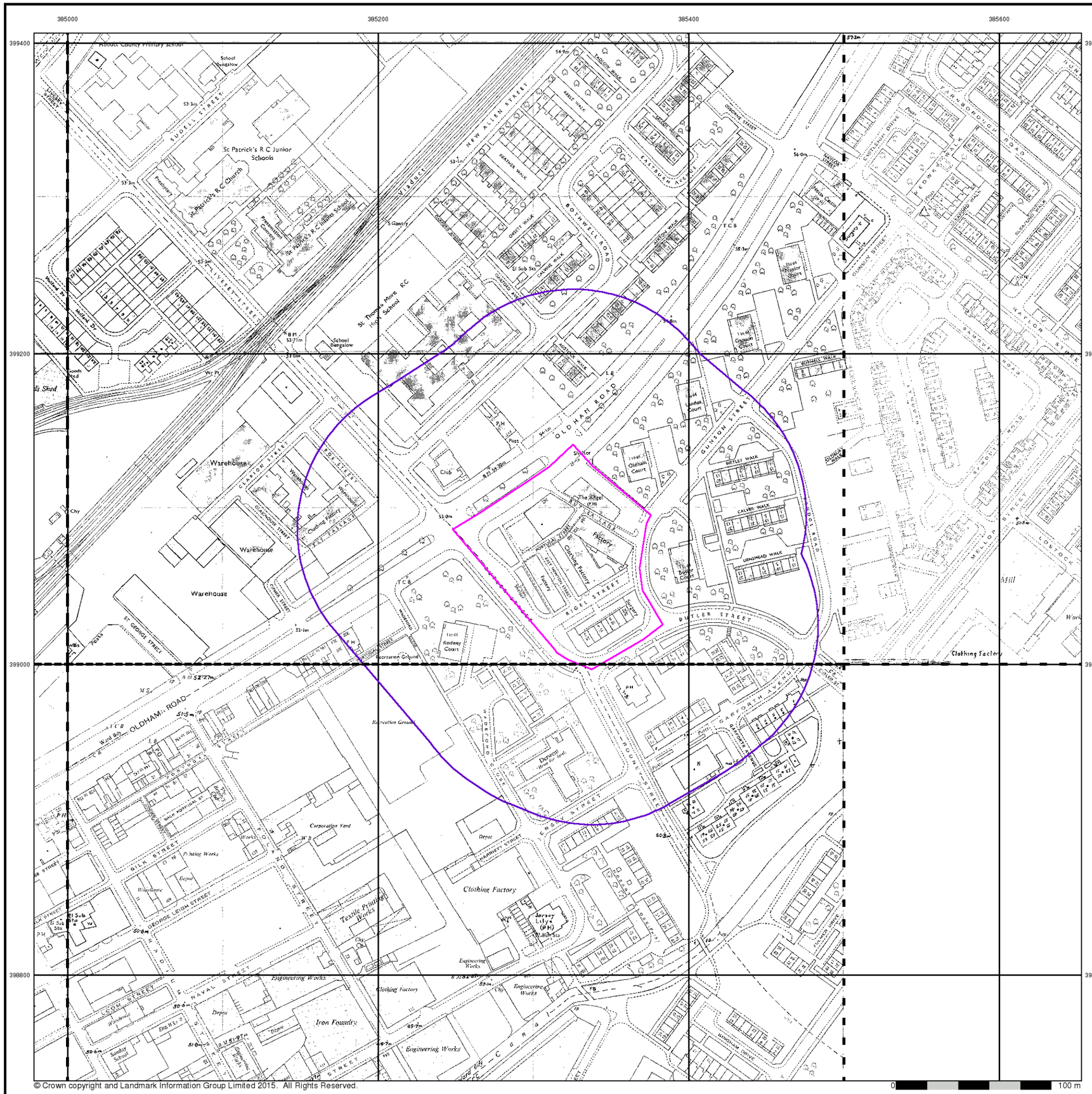
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Search Buffer (m): 100

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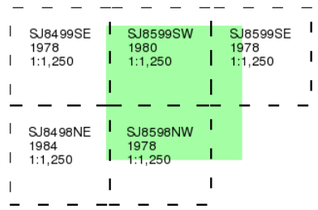
Additional SIMs

Published 1978 - 1984

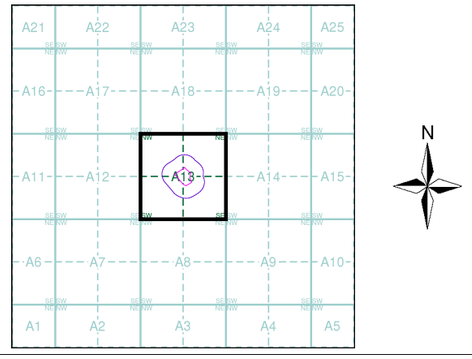
Source map scale - 1:1,250

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

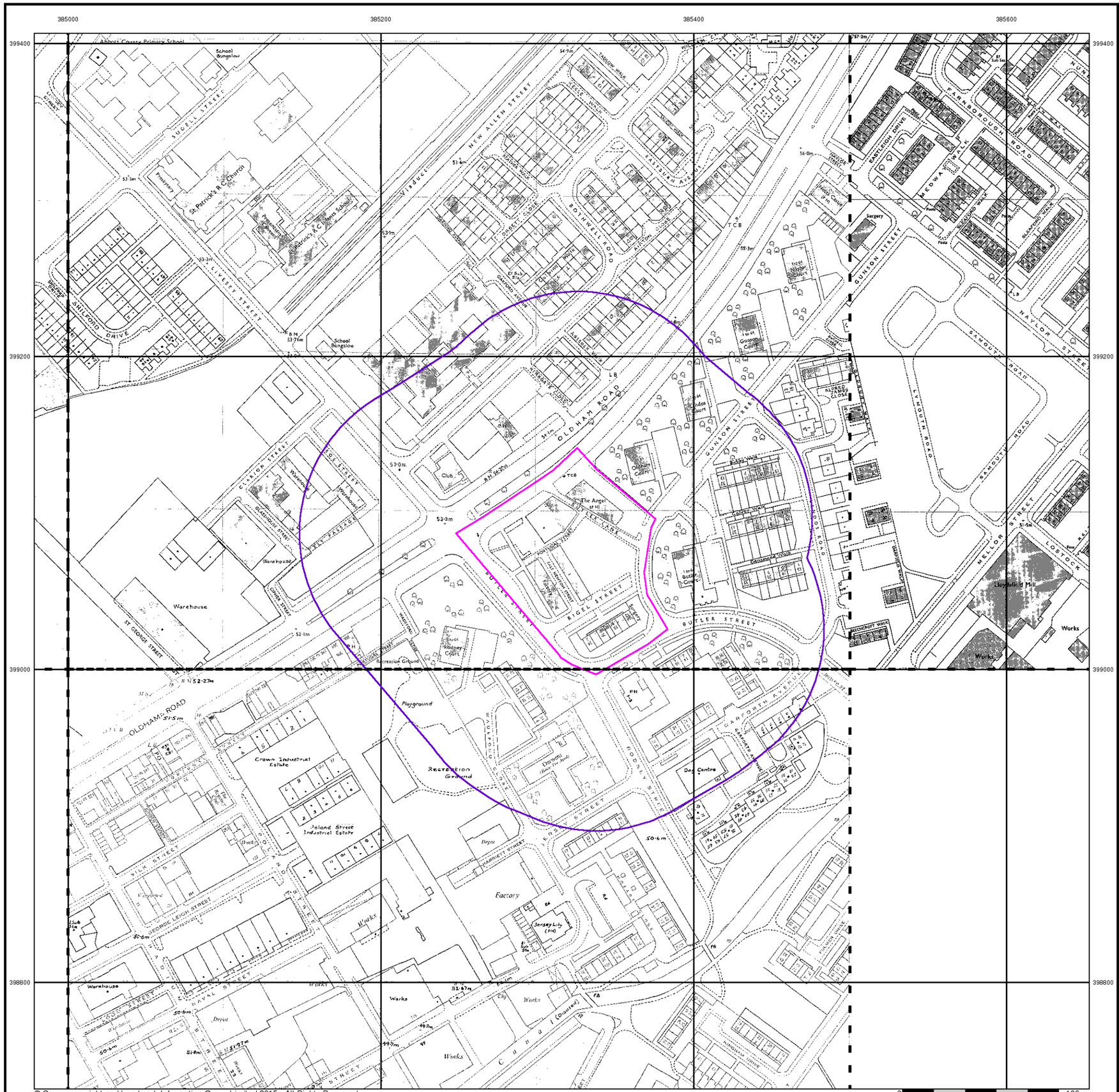
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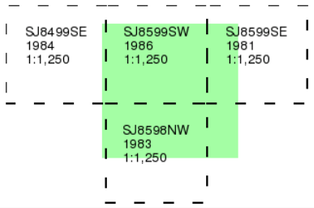
Additional SIMs

Published 1981 - 1986

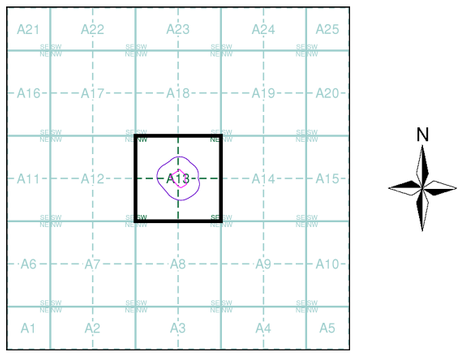
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

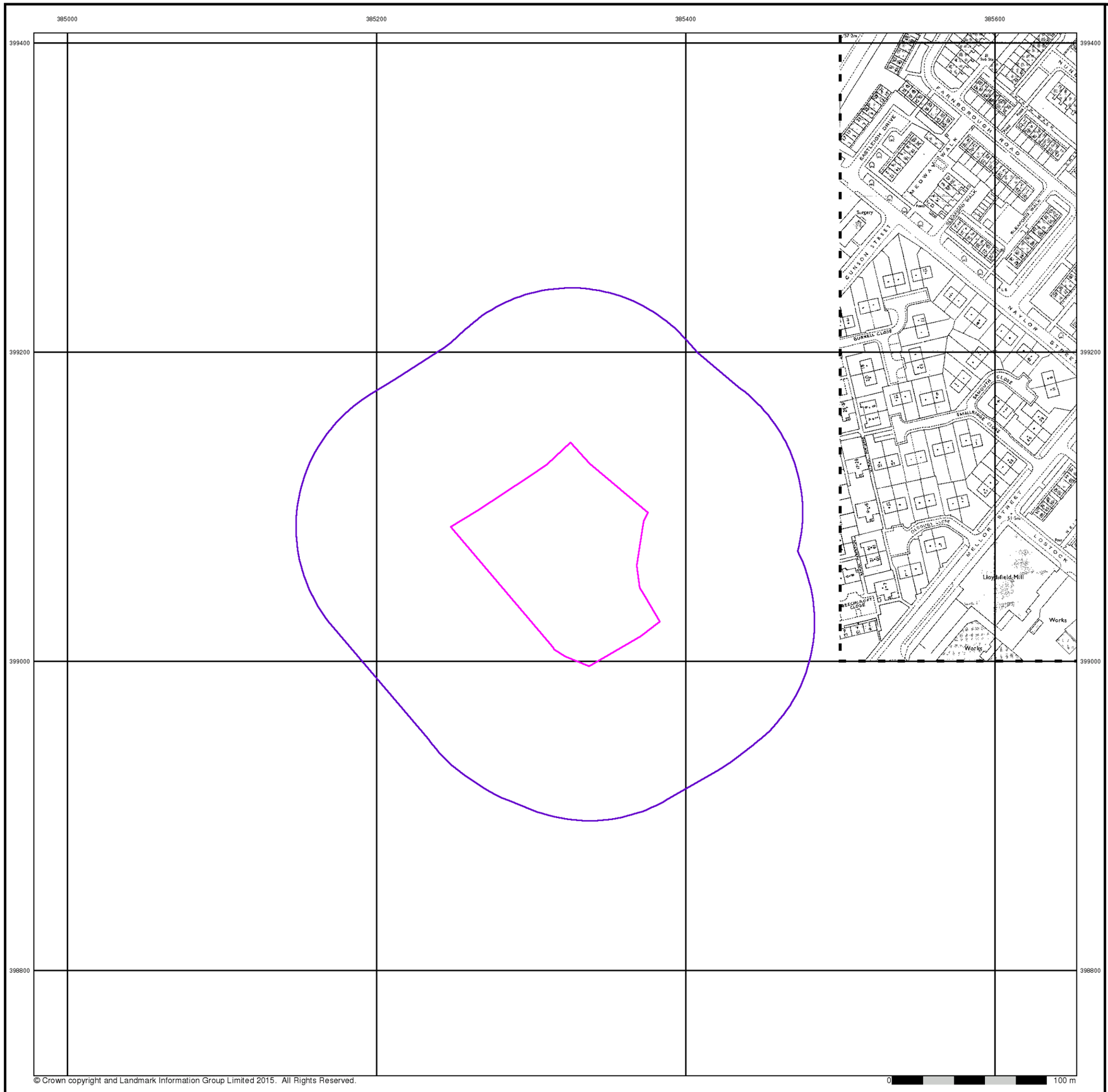
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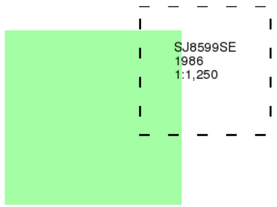
Additional SIMs

Published 1986

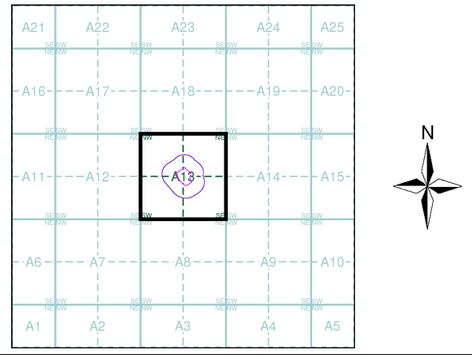
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	114632094_1_1
Customer Ref:	17LPL051
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Ordnance Survey Plan

Published 1988 - 1989

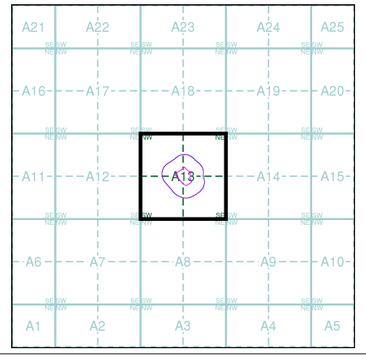
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Map Name(s) and Date(s)

SJ8499SE 1989 1:1,250	SJ8599SW 1988 1:1,250	SJ8599SE 1988 1:1,250
	SJ8598NW 1988 1:1,250	SJ8598NE 1989 1:1,250

Historical Map - Segment A13



Order Details

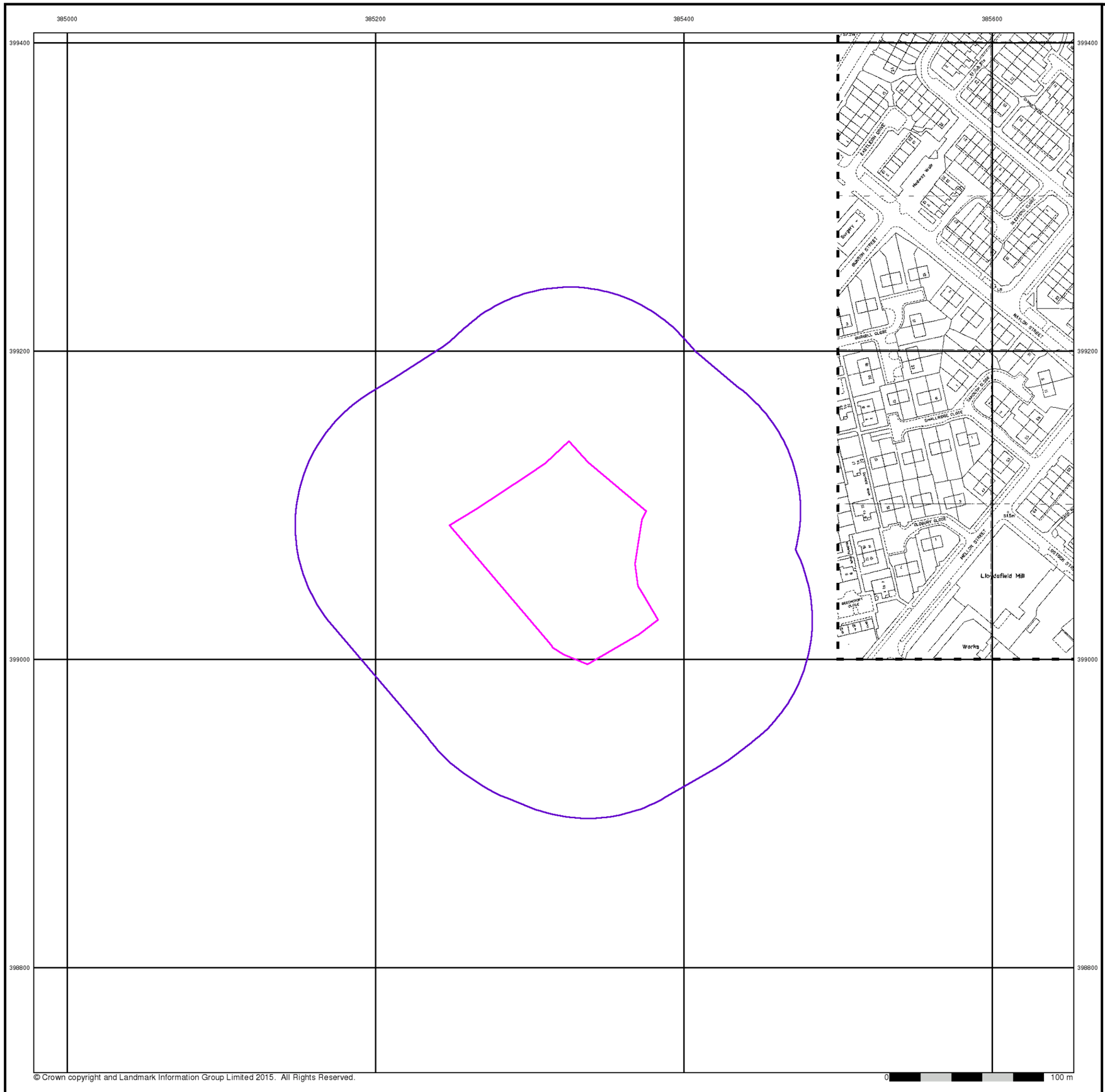
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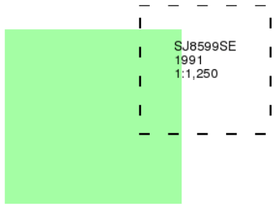
Additional SIMs

Published 1991

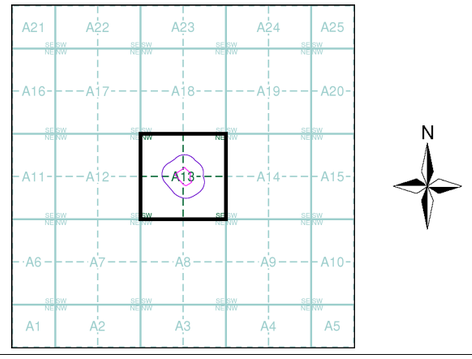
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

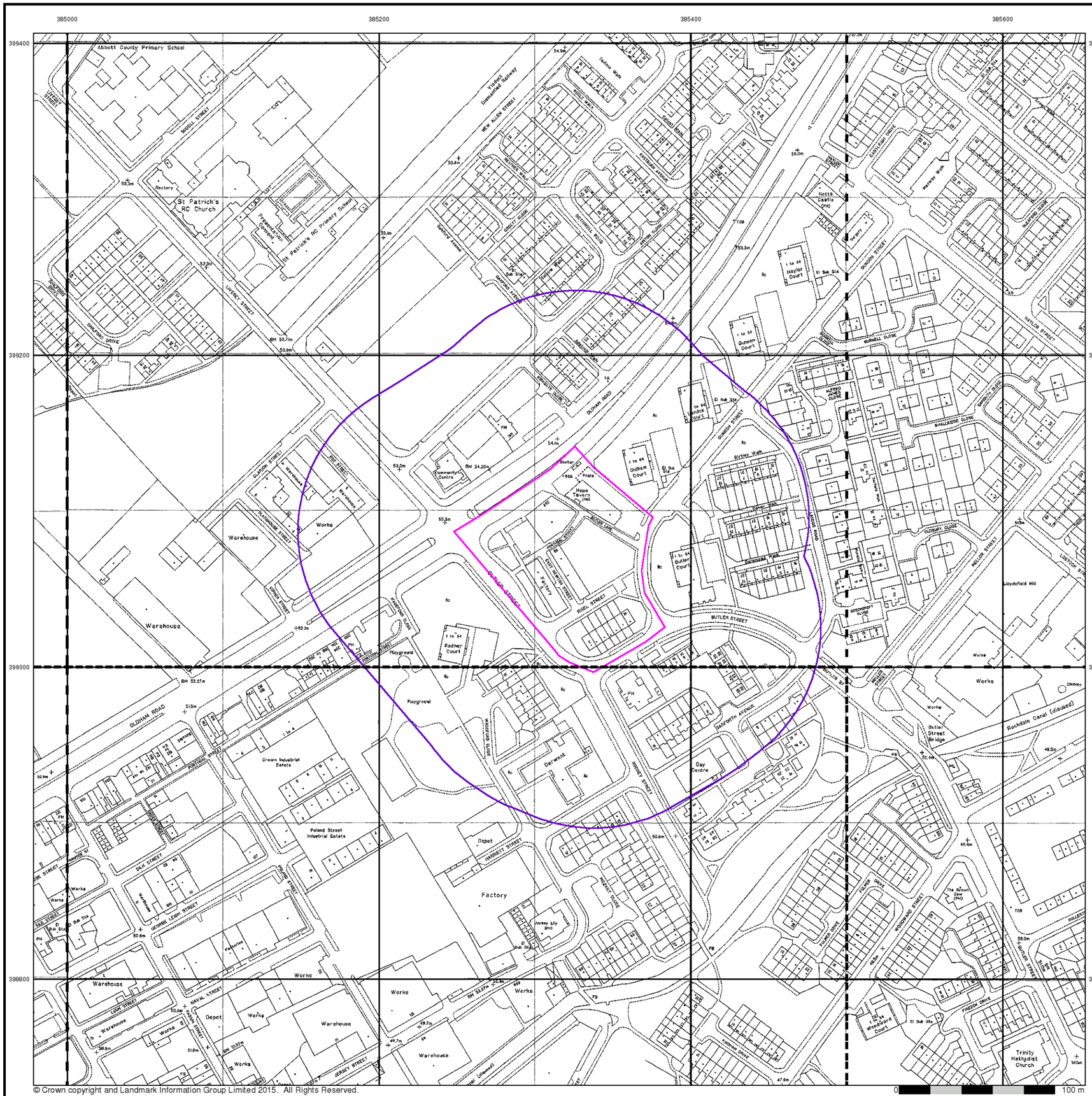
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Customer Ref:	17LPL051
National Grid Reference:	385320, 399070
Slice:	A
Site Area (Ha):	1.09
Search Buffer (m):	100

Site Details

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Large-Scale National Grid Data

Published 1992

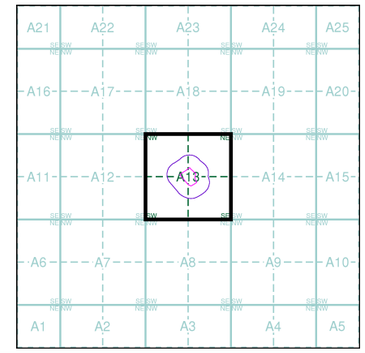
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8499SE 1992 1:1,250	SJ8599SW 1992 1:1,250	SJ8599SE 1992 1:1,250
SJ8498NE 1992 1:1,250	SJ8598NW 1992 1:1,250	SJ8598NE 1992 1:1,250

Historical Map - Segment A13



Order Details

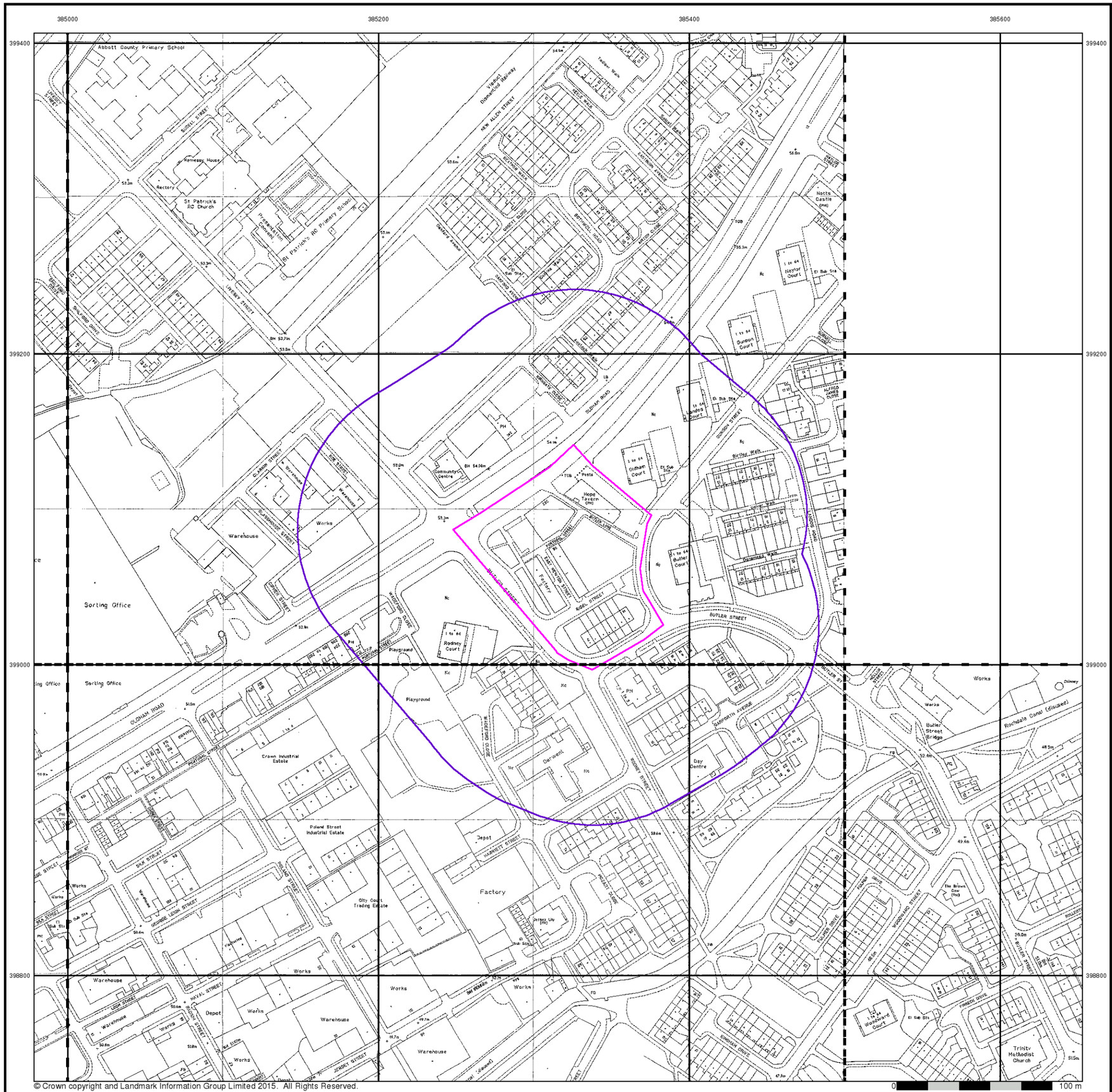
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Large-Scale National Grid Data

Published 1993 - 1995

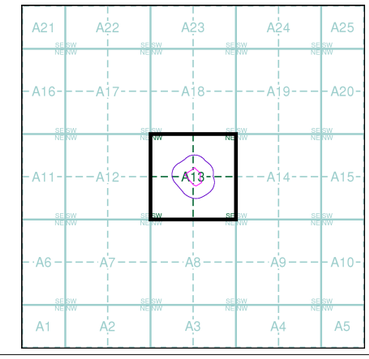
Source map scale - 1:1,250

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Map Name(s) and Date(s)

SJ8499SE 1993 1:1,250	SJ8599SW 1993 1:1,250	
SJ8498NE 1995 1:1,250	SJ8598NW 1994 1:1,250	SJ8598NE 1994 1:1,250

Historical Map - Segment A13



Order Details

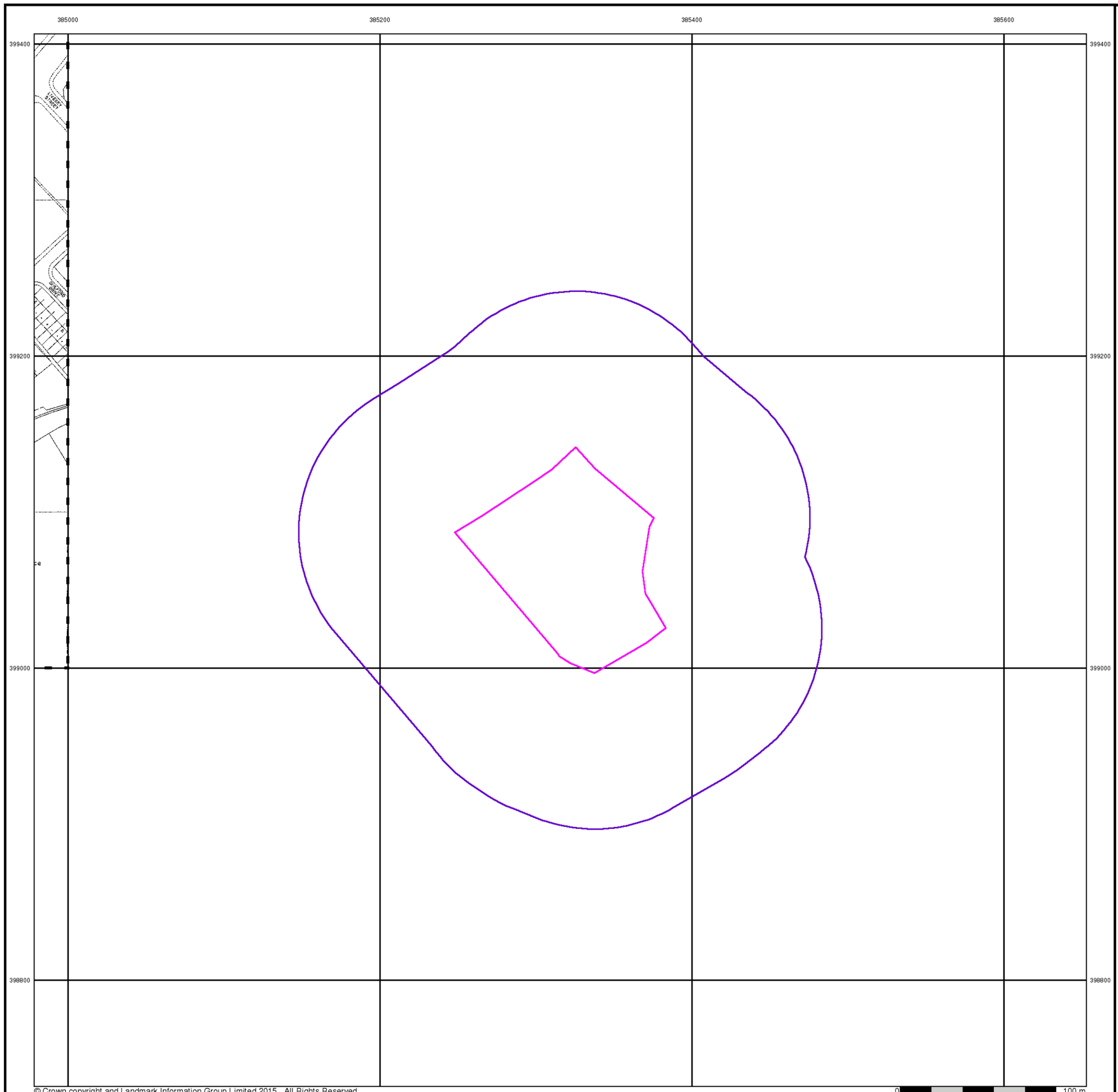
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0 100 m

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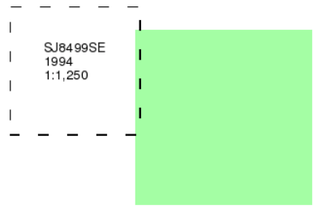
Large-Scale National Grid Data

Published 1994

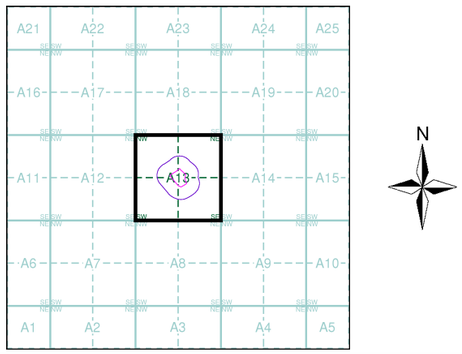
Source map scale - 1:1,250

'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

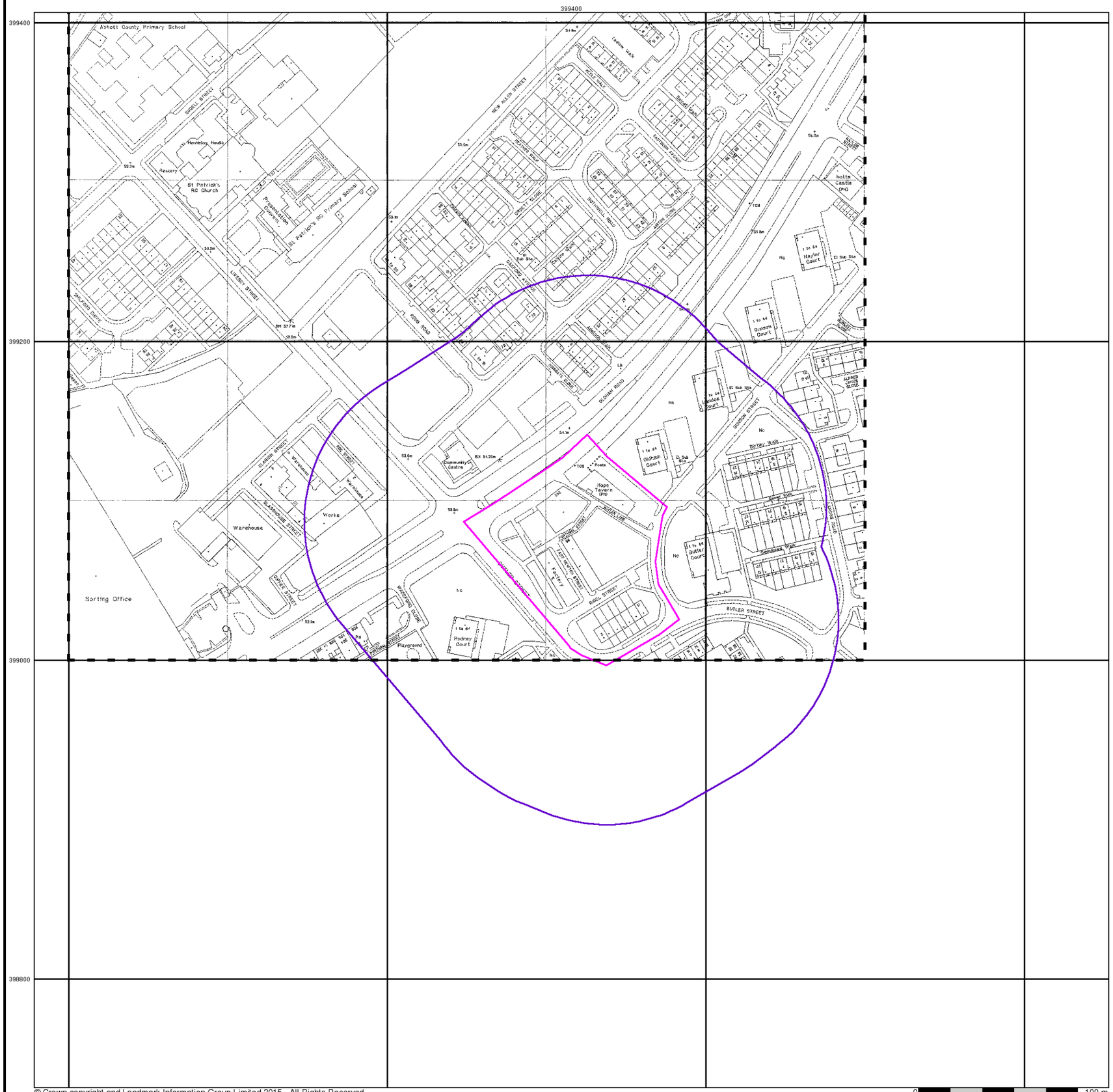
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Large-Scale National Grid Data

Published 1996

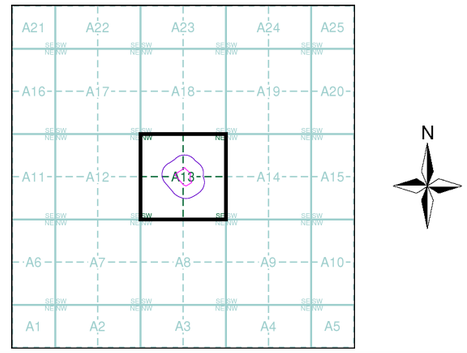
Source map scale - 1:1,250

'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)

SJ8599SW
1996
1:1,250

Historical Map - Segment A13



Order Details

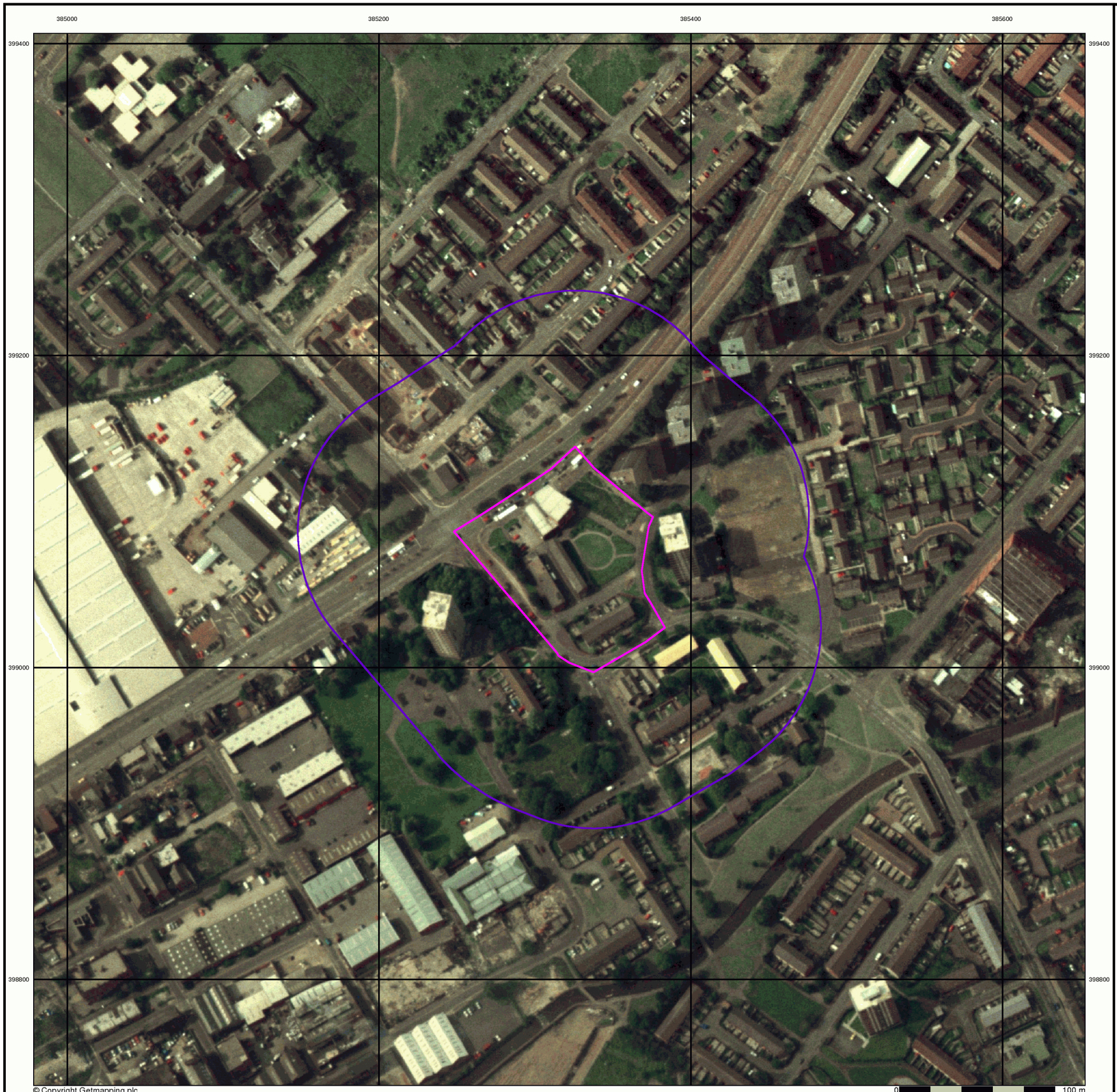
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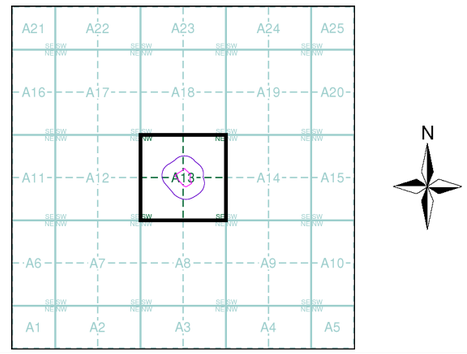


Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number:	114632094_1_1
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National Grid Reference:	385320, 399070
Slice:	A
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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

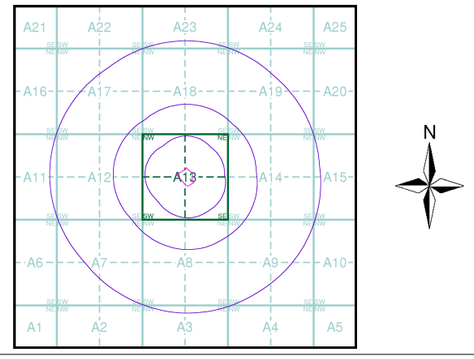
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community 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	1966 - 1968	11
Ordnance Survey Plan	1:10,000	1972 - 1979	12
Manchester	1:25,000	1975	13
Ordnance Survey Plan	1:10,000	1980 - 1986	14
Ordnance Survey Plan	1:10,000	1985 - 1987	15
Ordnance Survey Plan	1:10,000	1989	16
Ordnance Survey Plan	1:10,000	1990 - 1994	17
10K Raster Mapping	1:10,000	1999	18
10K Raster Mapping	1:10,000	2006	19
VectorMap Local	1:10,000	2017	20

Historical Map - Slice A



Order Details

Order Number:	114632094_1_1
Customer Ref:	17LPL051
National Grid Reference:	385320, 399070
Slice:	A
Site Area (Ha):	1.09
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
63	Factory (Gas)
169	Post Office
194	Railway Station (Freight)

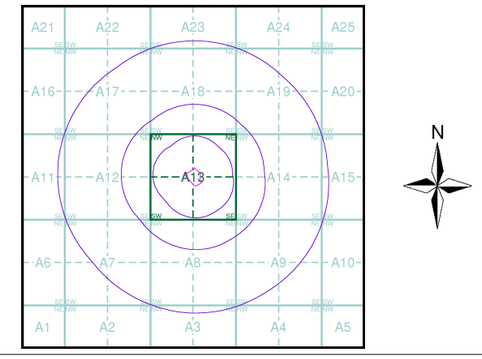
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Historical Mapping & Photography included:

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Cheshire	1:10,560	1882	4
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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	1966 - 1968	11
Ordnance Survey Plan	1:10,000	1972 - 1979	12
Manchester	1:25,000	1975	13
Ordnance Survey Plan	1:10,000	1980 - 1986	14
Ordnance Survey Plan	1:10,000	1985 - 1987	15
Ordnance Survey Plan	1:10,000	1989	16
Ordnance Survey Plan	1:10,000	1990 - 1994	17
10K Raster Mapping	1:10,000	1999	18
10K Raster Mapping	1:10,000	2006	19
VectorMap Local	1:10,000	2017	20

Russian Map - Slice A



Order Details

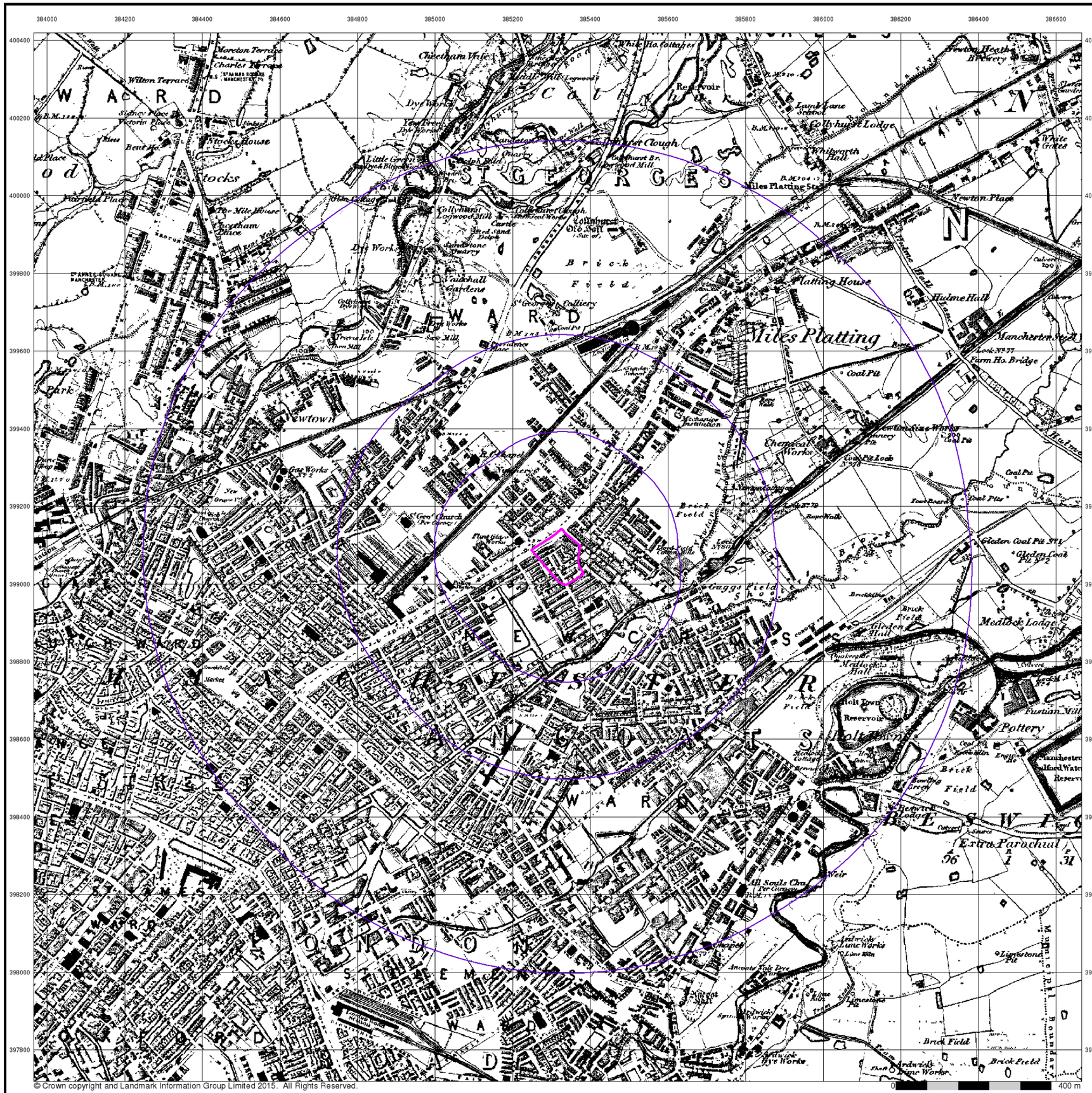
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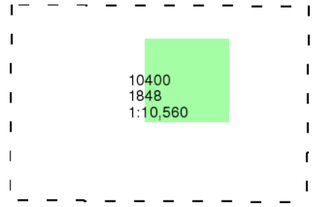
Lancashire And Furness

Published 1848

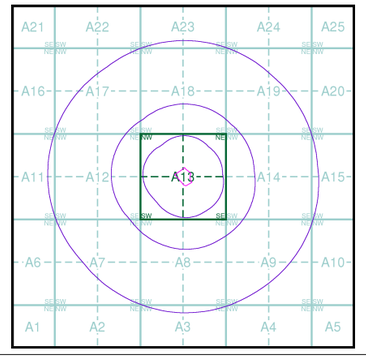
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

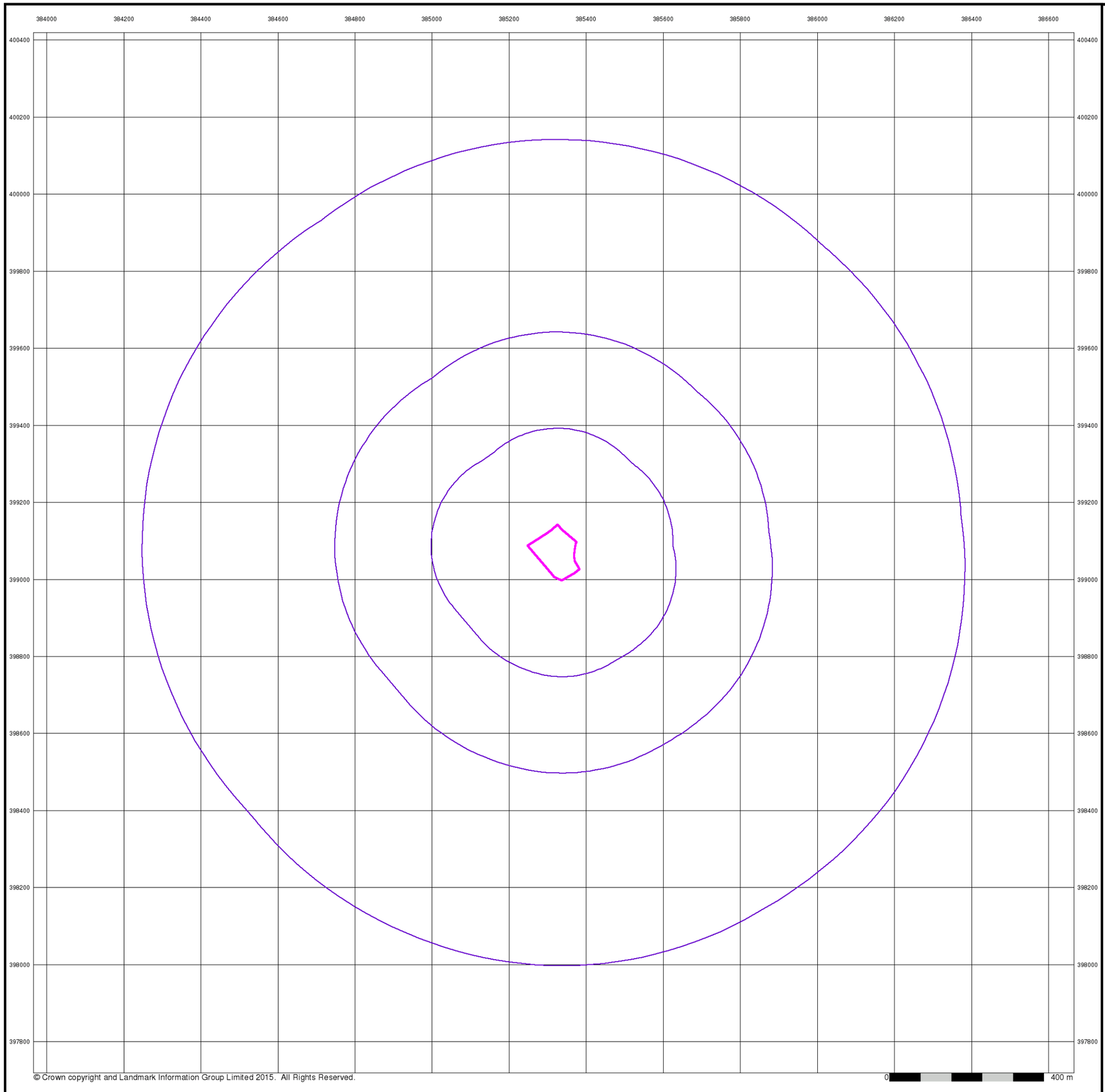
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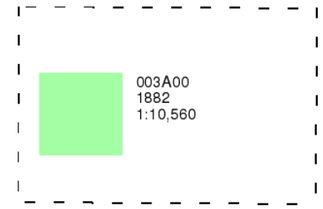
Cheshire

Published 1882

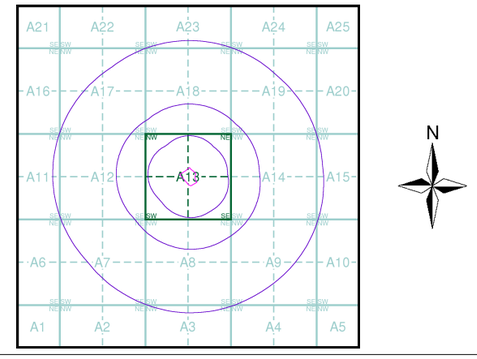
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

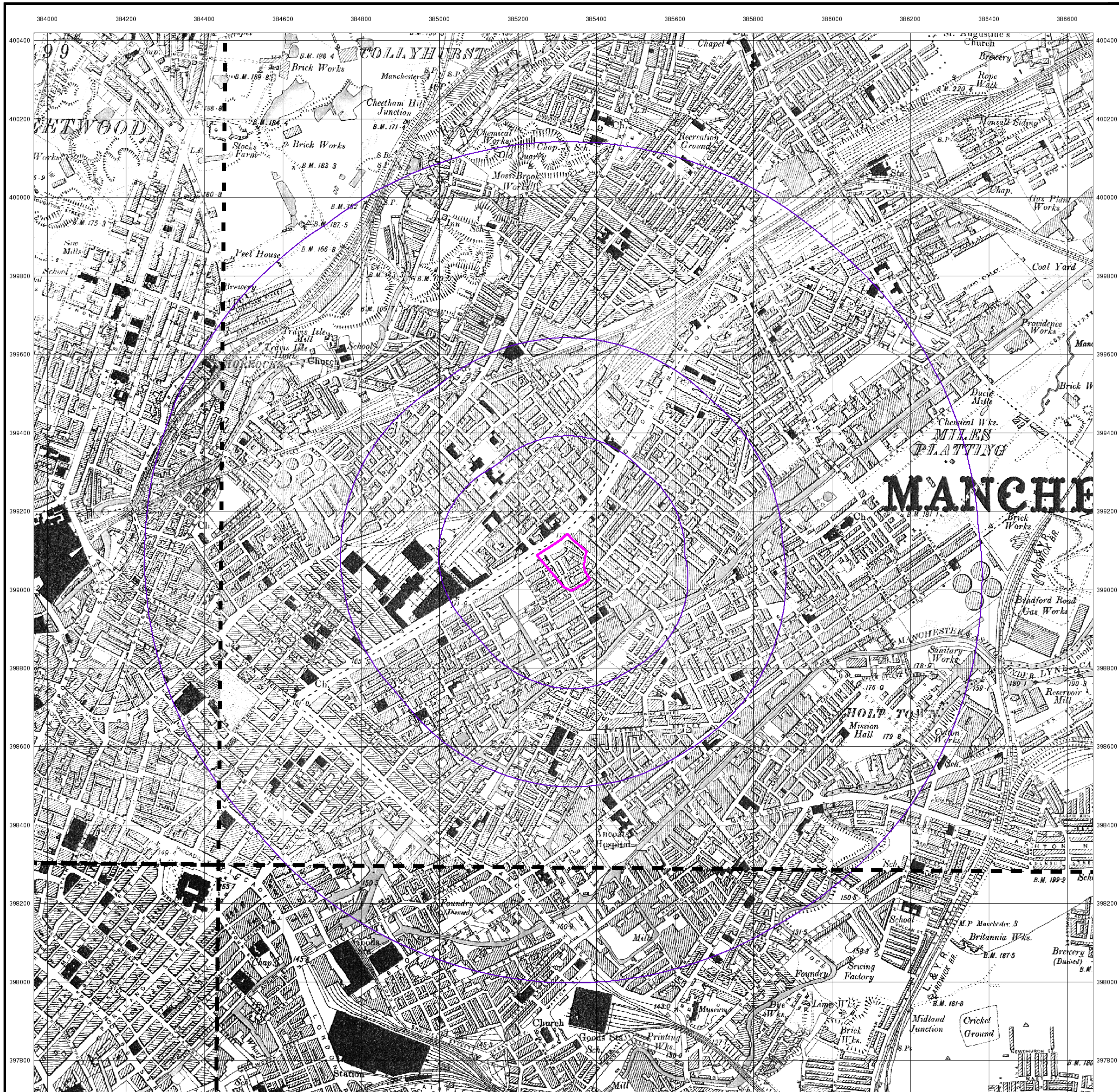
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Search Buffer (m):	1000

Site Details

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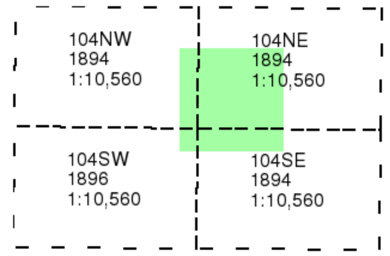
Lancashire And Furness

Published 1894 - 1896

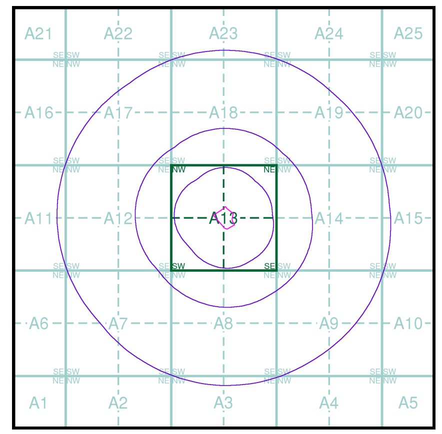
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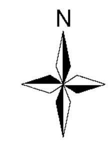
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Map Name(s) and Date(s)



Historical Map - Slice A





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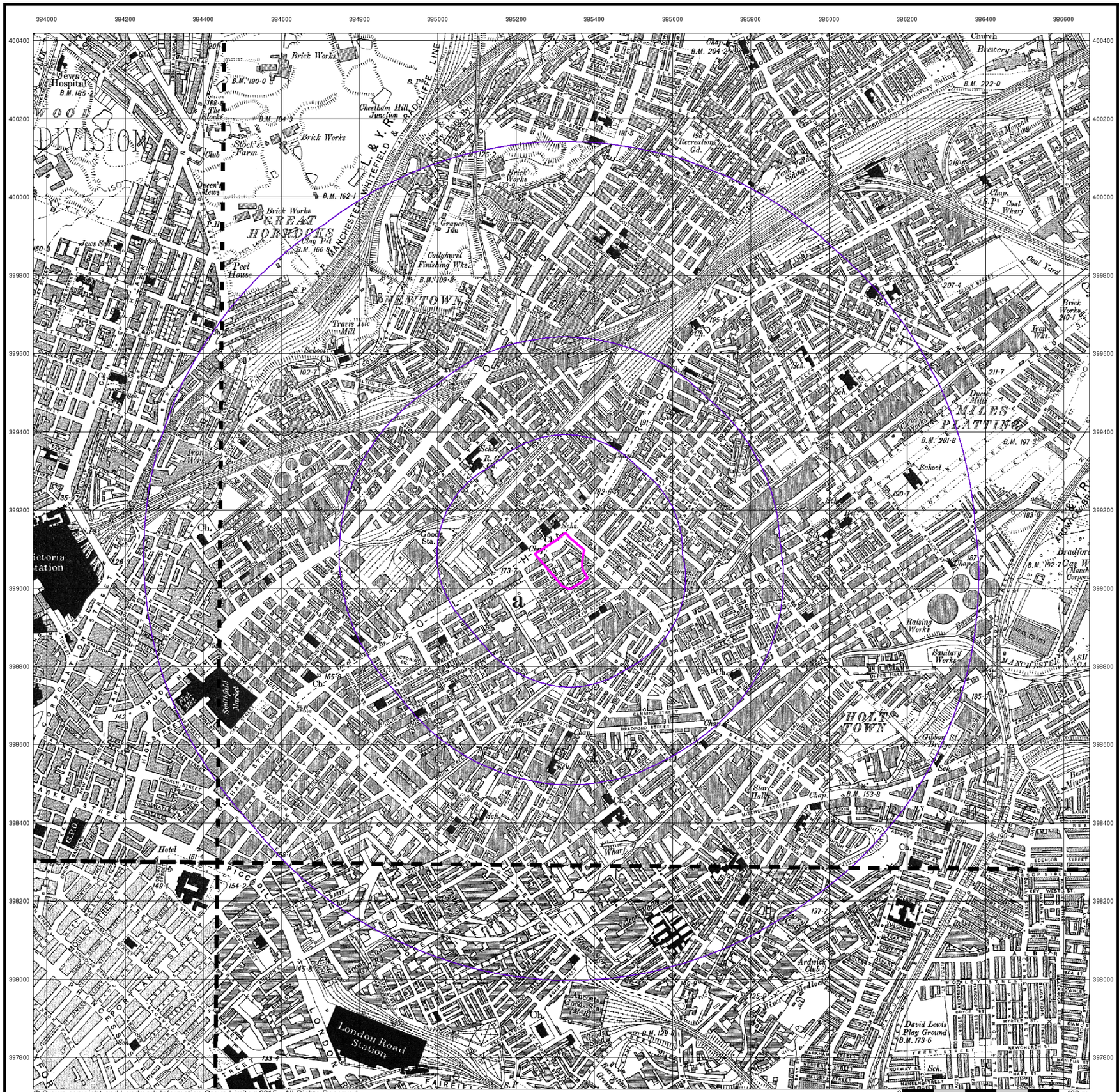
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Lancashire And Furness

Published 1909

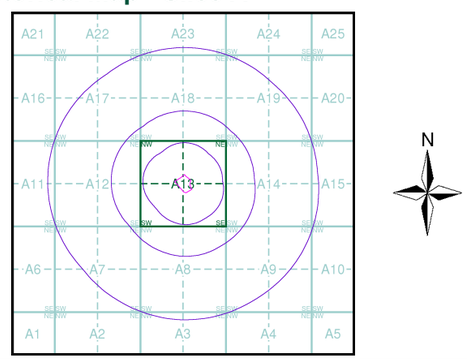
Source map scale - 1:10,560

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Map Name(s) and Date(s)

104NW 1909 1:10,560	104NE 1909 1:10,560
104SW 1909 1:10,560	104SE 1909 1:10,560

Historical Map - Slice A



Order Details

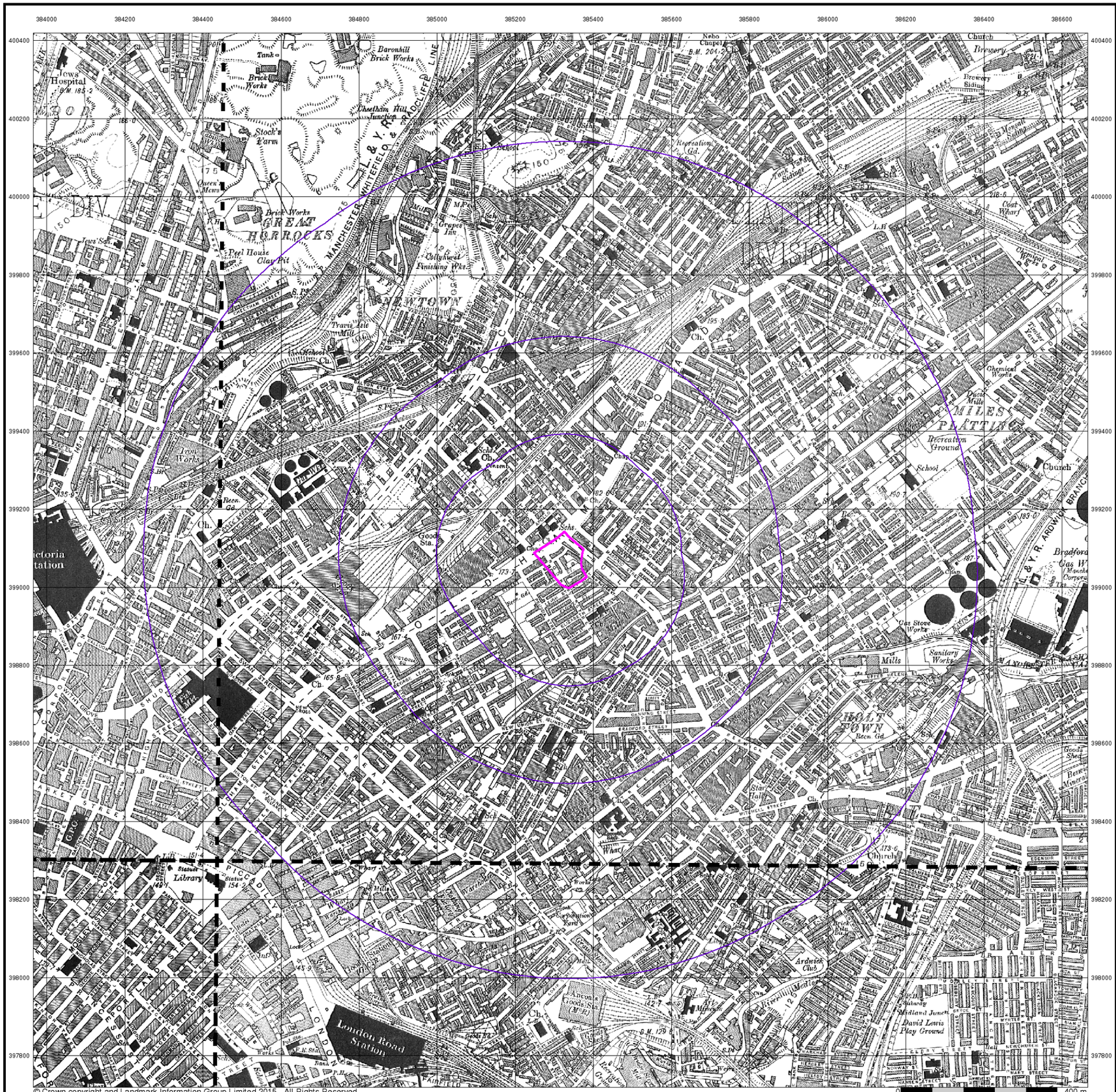
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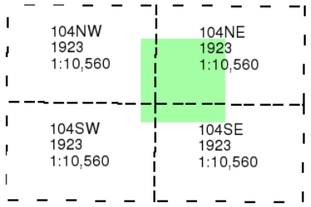
Lancashire And Furness

Published 1923

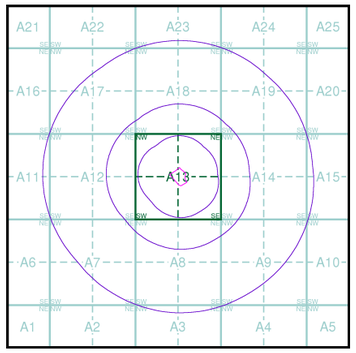
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Map Name(s) and Date(s)



Historical Map - Slice A



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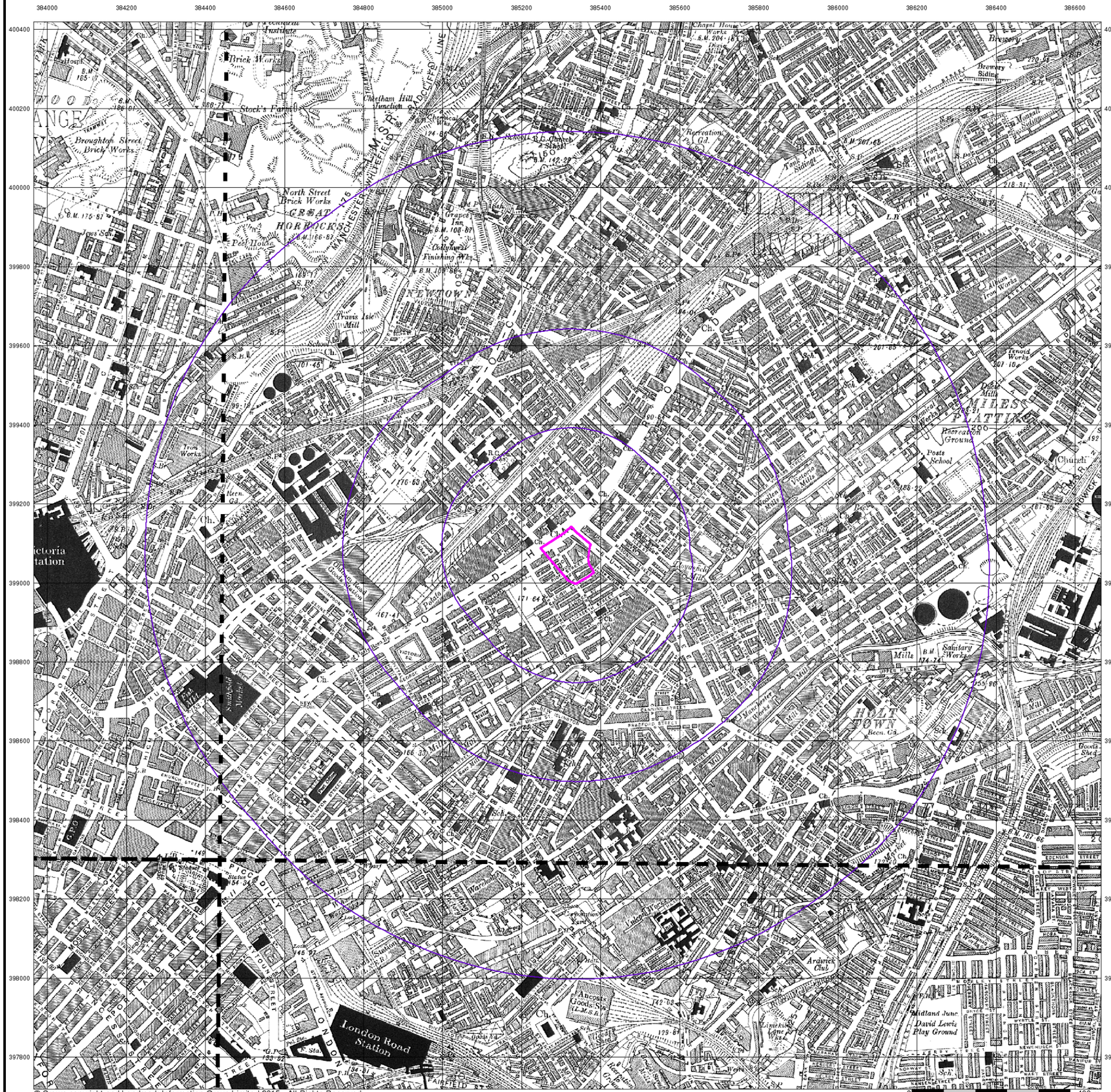
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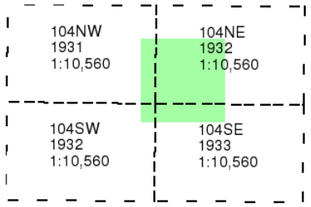
Lancashire And Furness

Published 1931 - 1933

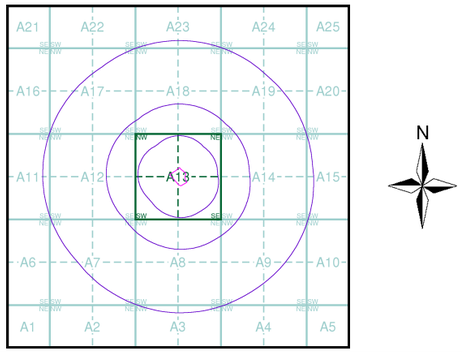
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



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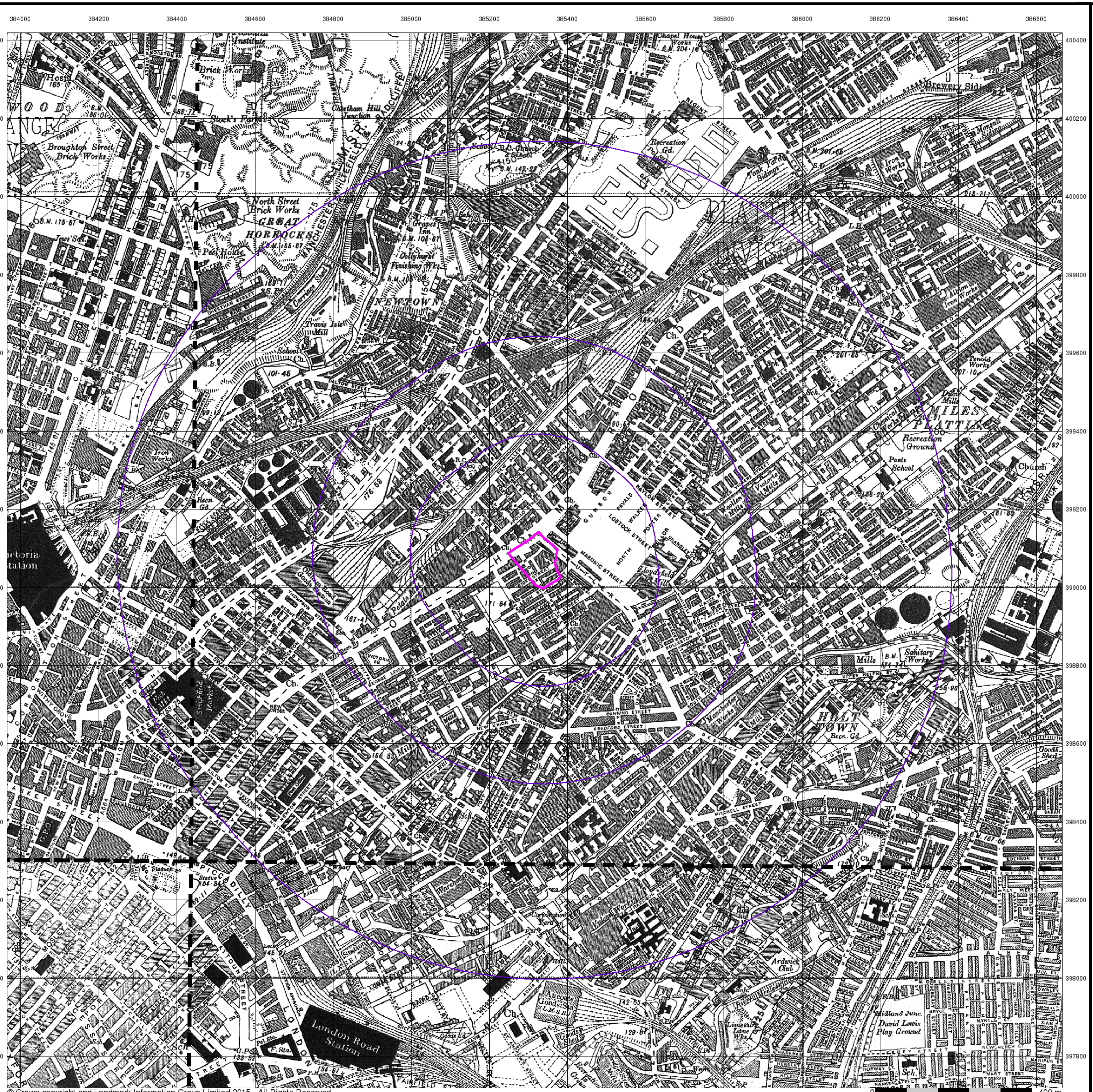
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Lancashire And Furness

Published 1938

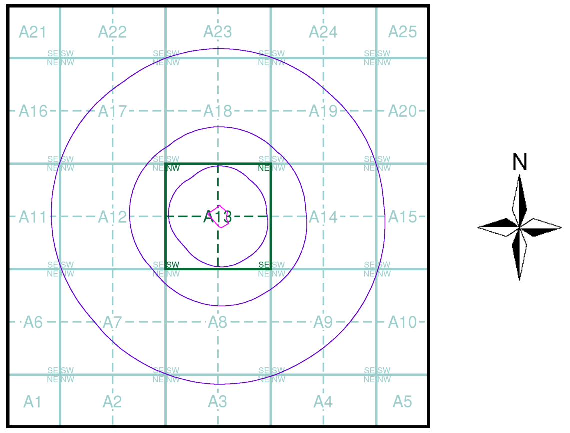
Source map scale - 1:10,560

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Map Name(s) and Date(s)

104NW 1938 1:10,560	104NE 1938 1:10,560
104SW 1938 1:10,560	104SE 1938 1:10,560

Historical Map - Slice A



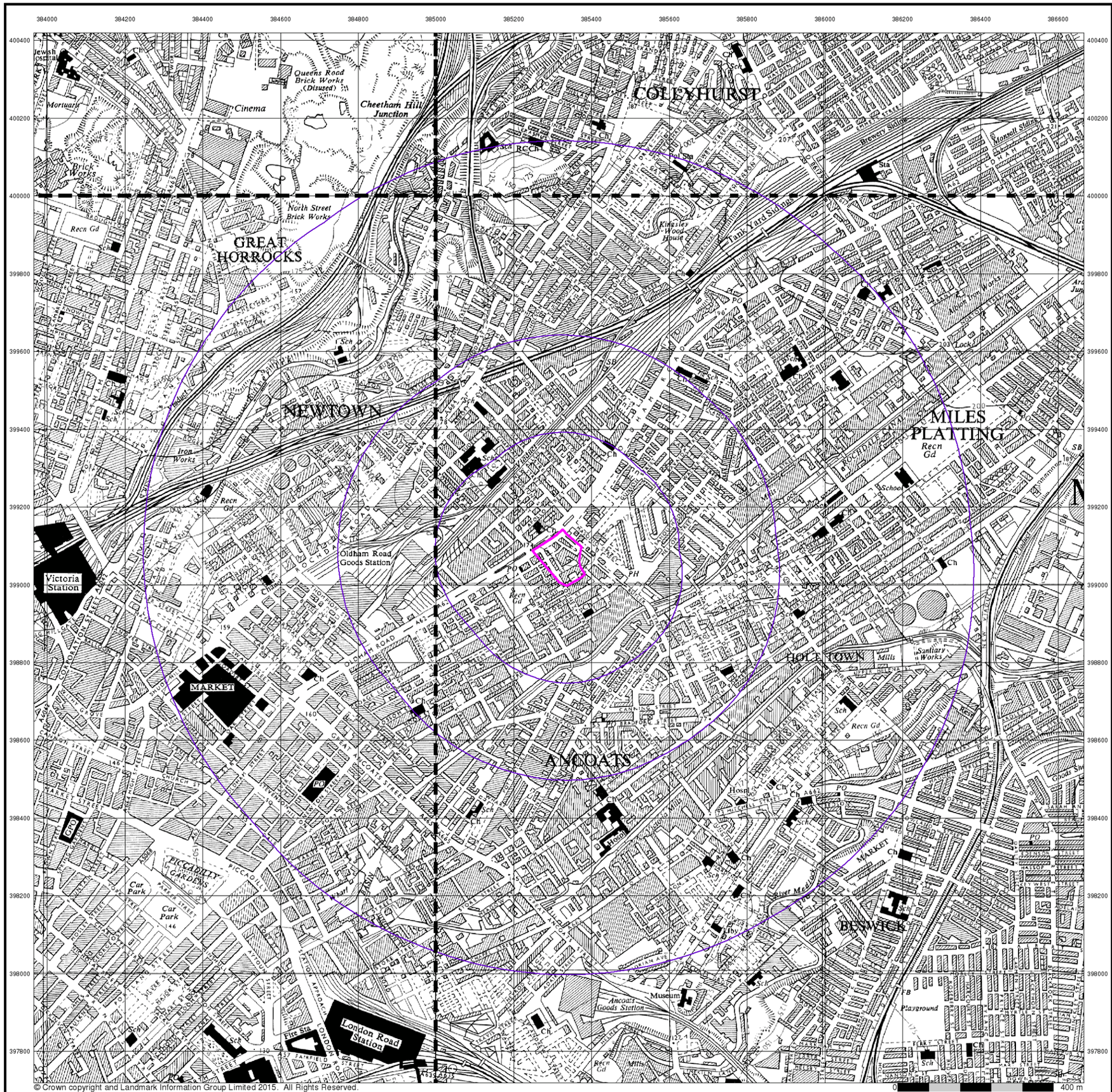
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Ordnance Survey Plan

Published 1956

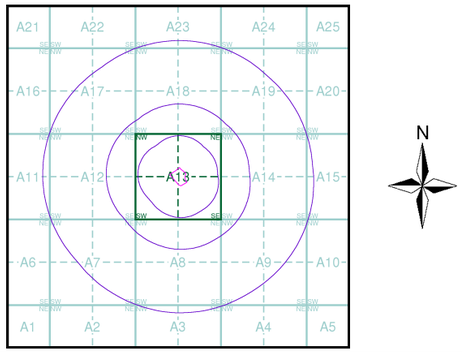
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Map Name(s) and Date(s)

SD80SW 1956 1:10,560	SD80SE 1956 1:10,560
SJ89NW 1956 1:10,560	SJ89NE 1956 1:10,560

Historical Map - Slice A



Order Details

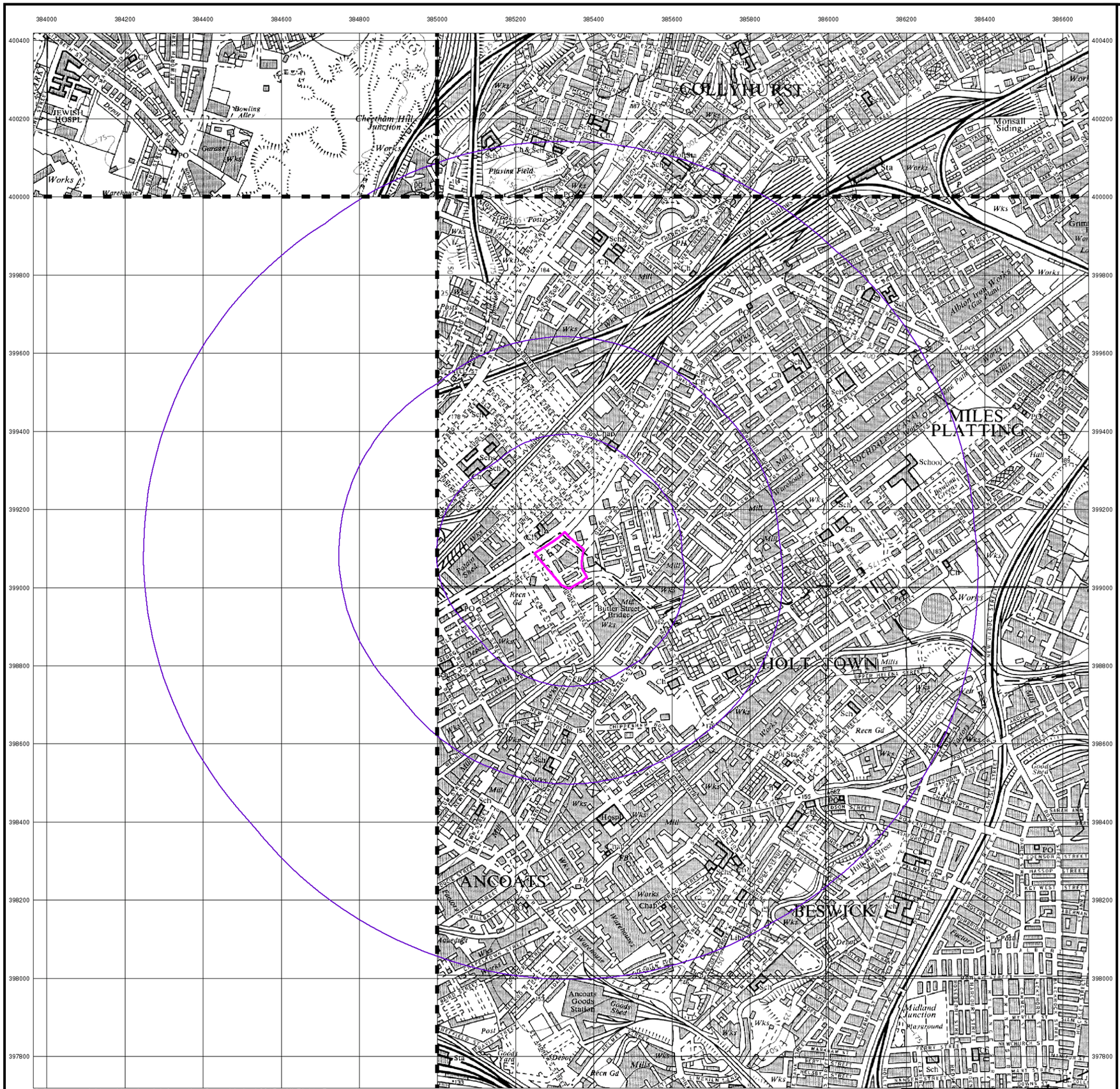
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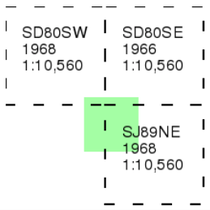
Ordnance Survey Plan

Published 1966 - 1968

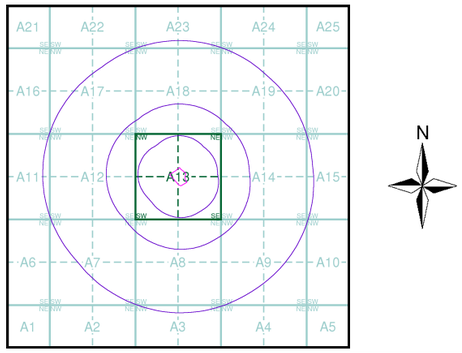
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Map Name(s) and Date(s)



Historical Map - Slice A



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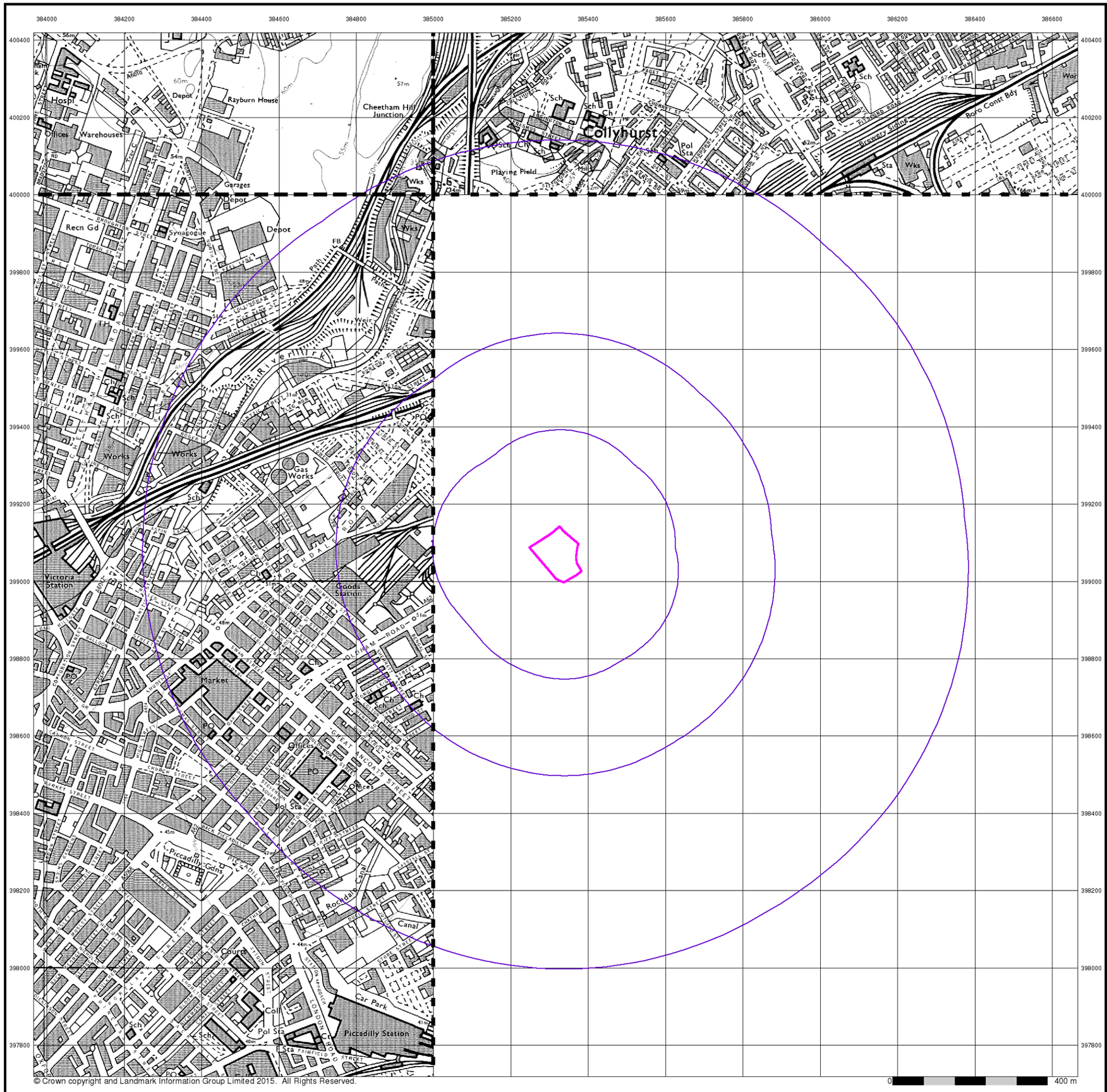
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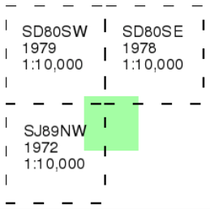
Ordnance Survey Plan

Published 1972 - 1979

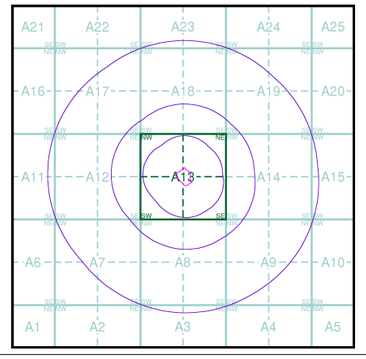
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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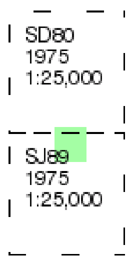
Manchester

Published 1975

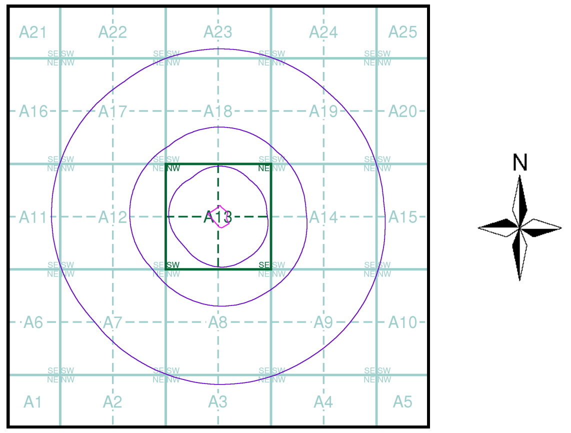
Source map scale - 1:25,000

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



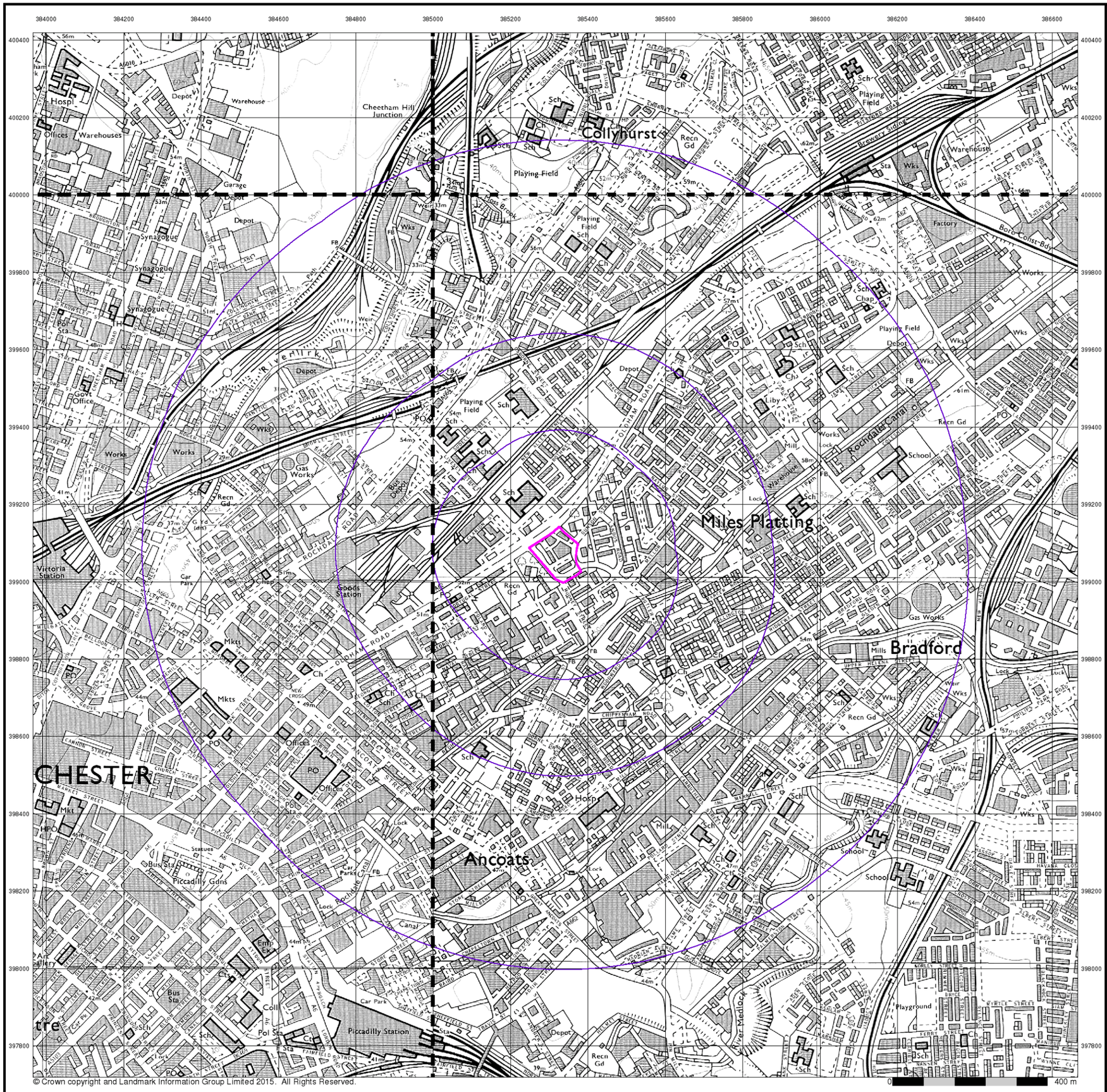
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Ordnance Survey Plan

Published 1980 - 1986

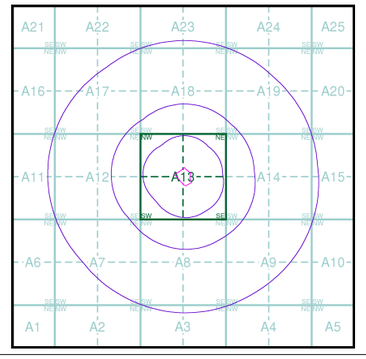
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Map Name(s) and Date(s)

SD80SW 1986 1:10,000	SD80SE 1982 1:10,000
SJ89NW 1980 1:10,000	SJ89NE 1981 1:10,000

Historical Map - Slice A



Order Details

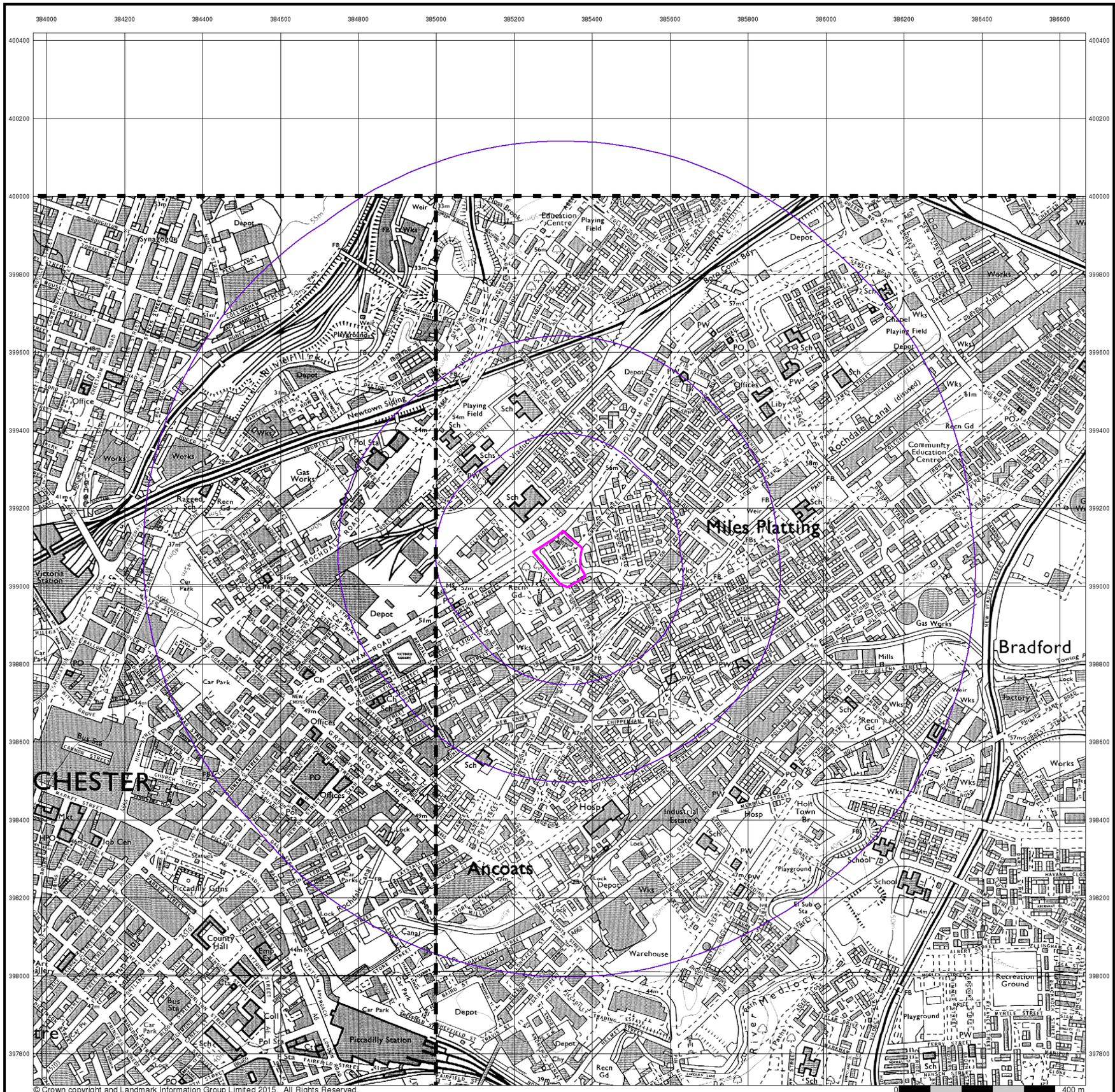
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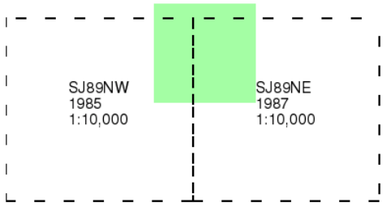
Ordnance Survey Plan

Published 1985 - 1987

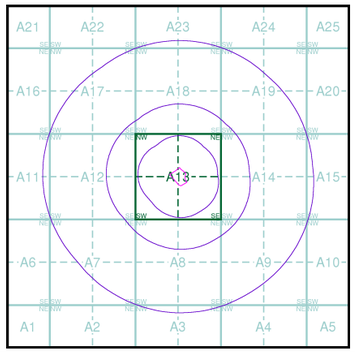
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

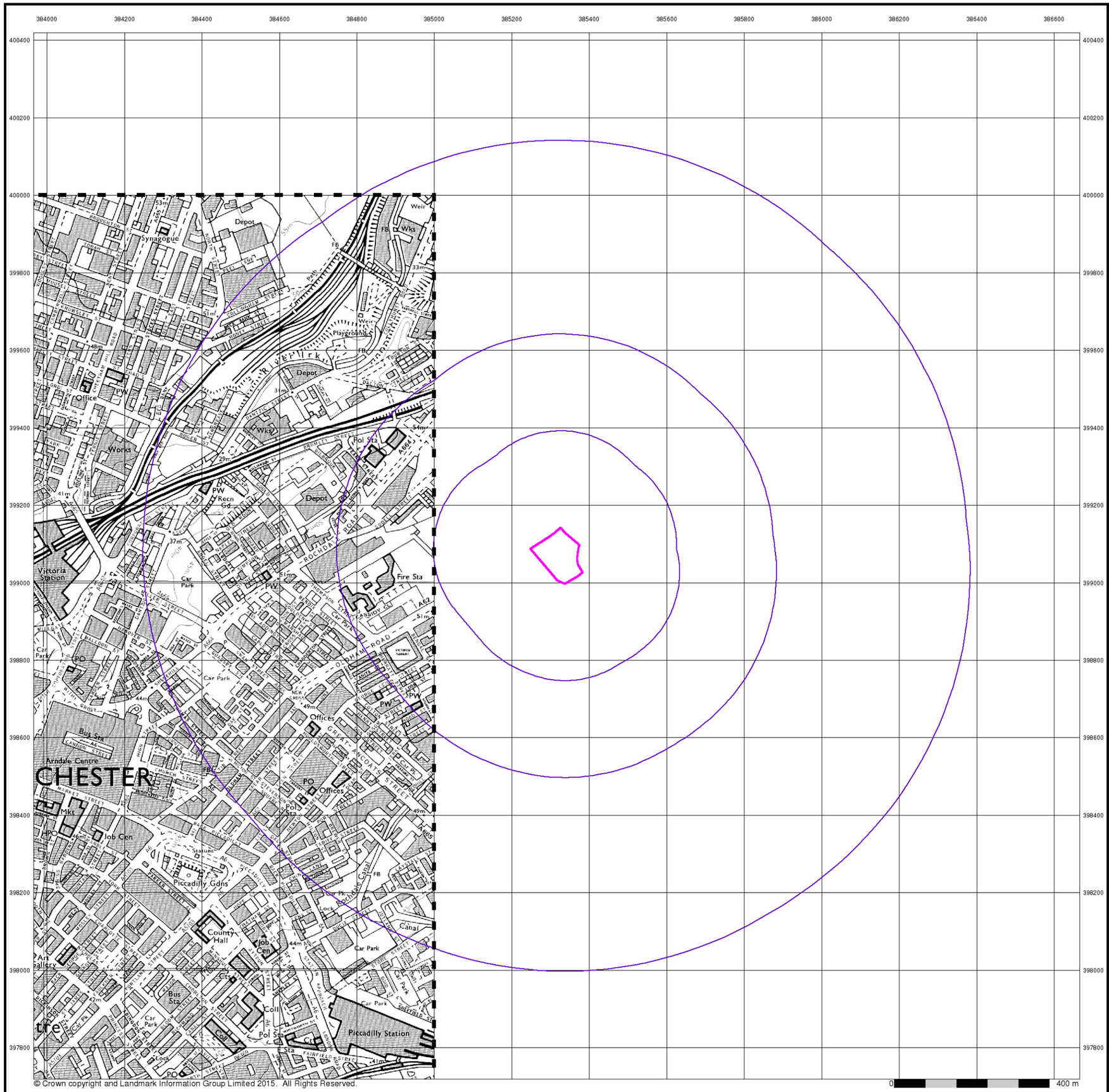
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National Grid Reference:	385320, 399070
Slice:	A
Site Area (Ha):	1.09
Search Buffer (m):	1000

Site Details

542, Oldham Road, MANCHESTER, M40 8BS

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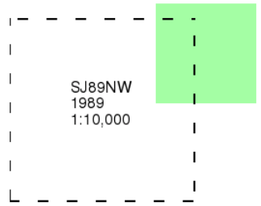
Ordnance Survey Plan

Published 1989

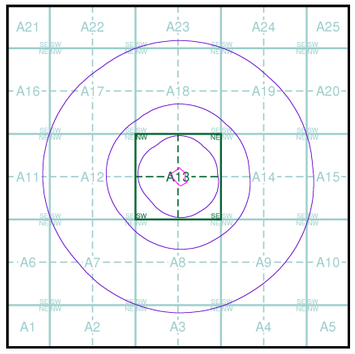
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

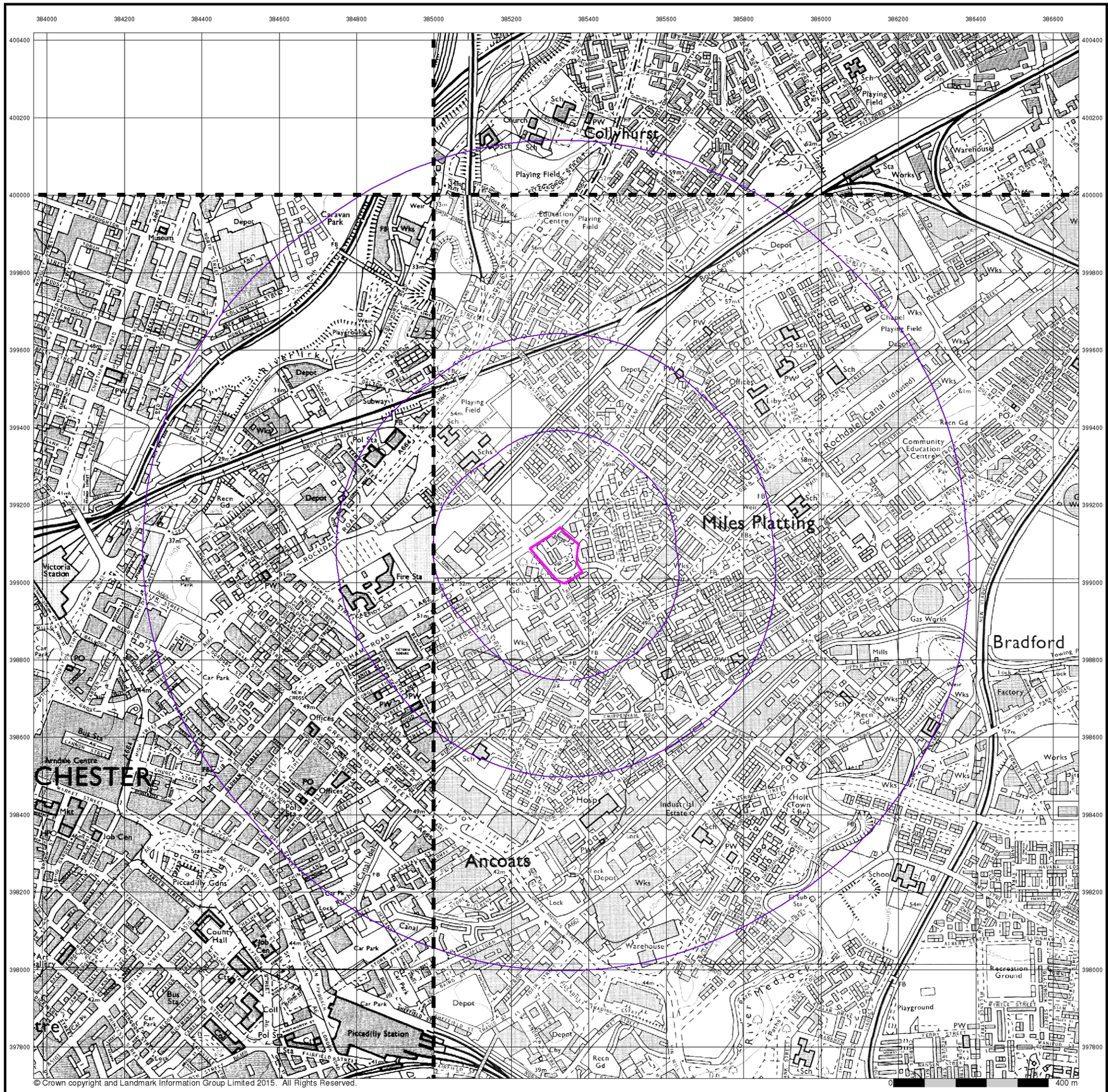
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Site Area (Ha):	1.09
Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1990 - 1994

Source map scale - 1:10,000

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

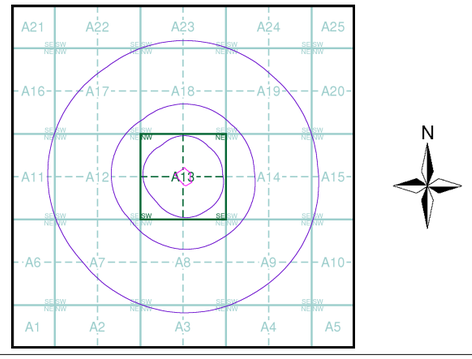
Map Name(s) and Date(s)

SD80SE
1990
1:10,000

SJ89NW
1994
1:10,000

SJ89NE
1993
1:10,000

Historical Map - Slice A



Order Details

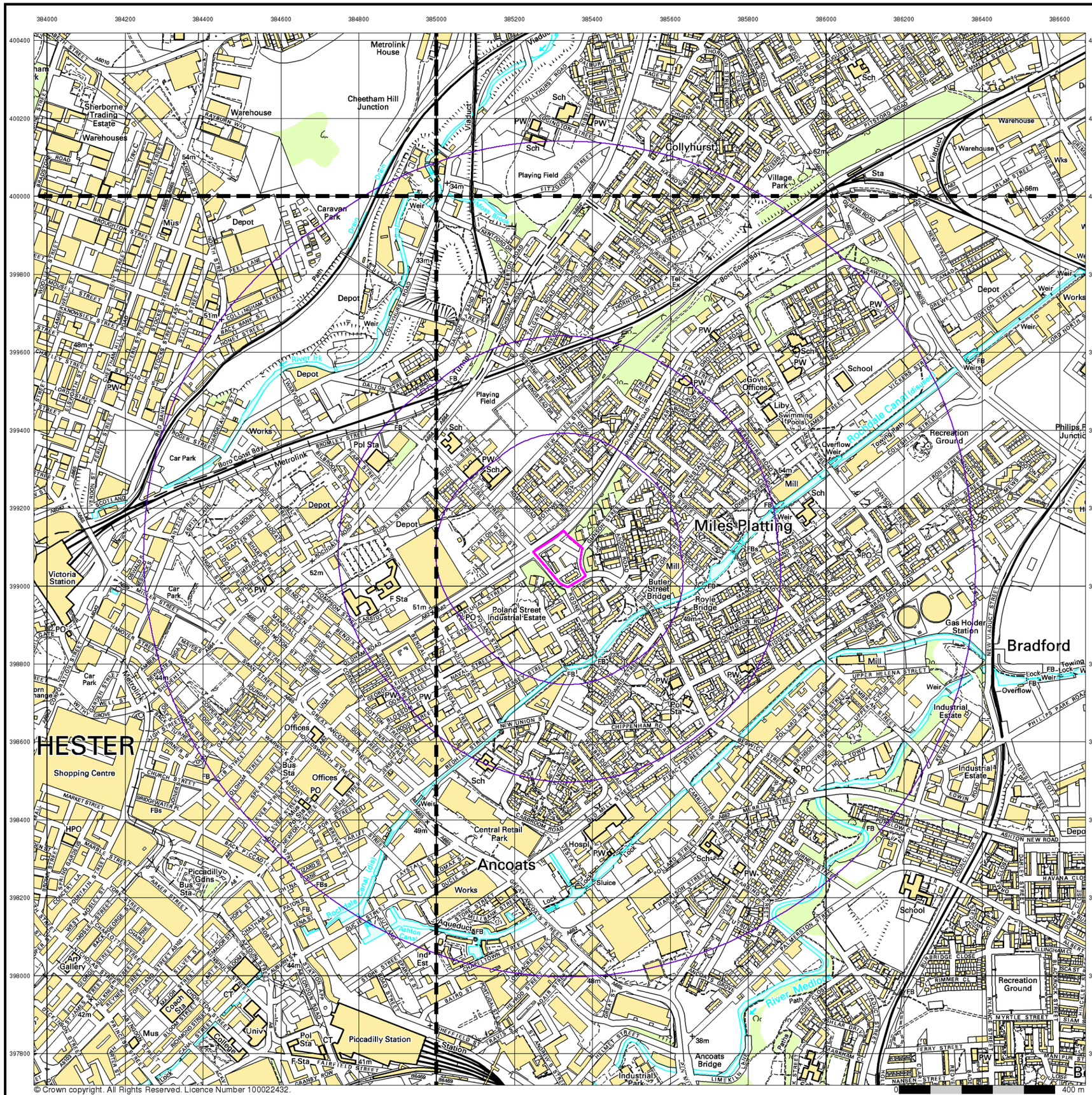
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Site Area (Ha):	1.09
Search Buffer (m):	1000

Site Details

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10k Raster Mapping

Published 1999

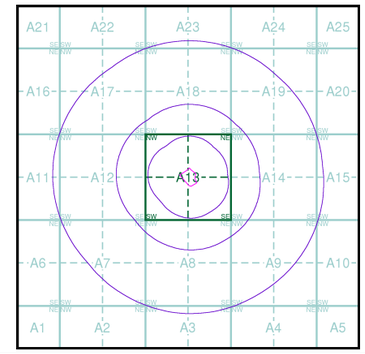
Source map scale - 1:10,000

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)

SD80SW 1999 1:10,000	SD80SE 1999 1:10,000
SJ89NW 1999 1:10,000	SJ89NE 1999 1:10,000

Historical Map - Slice A



Order Details

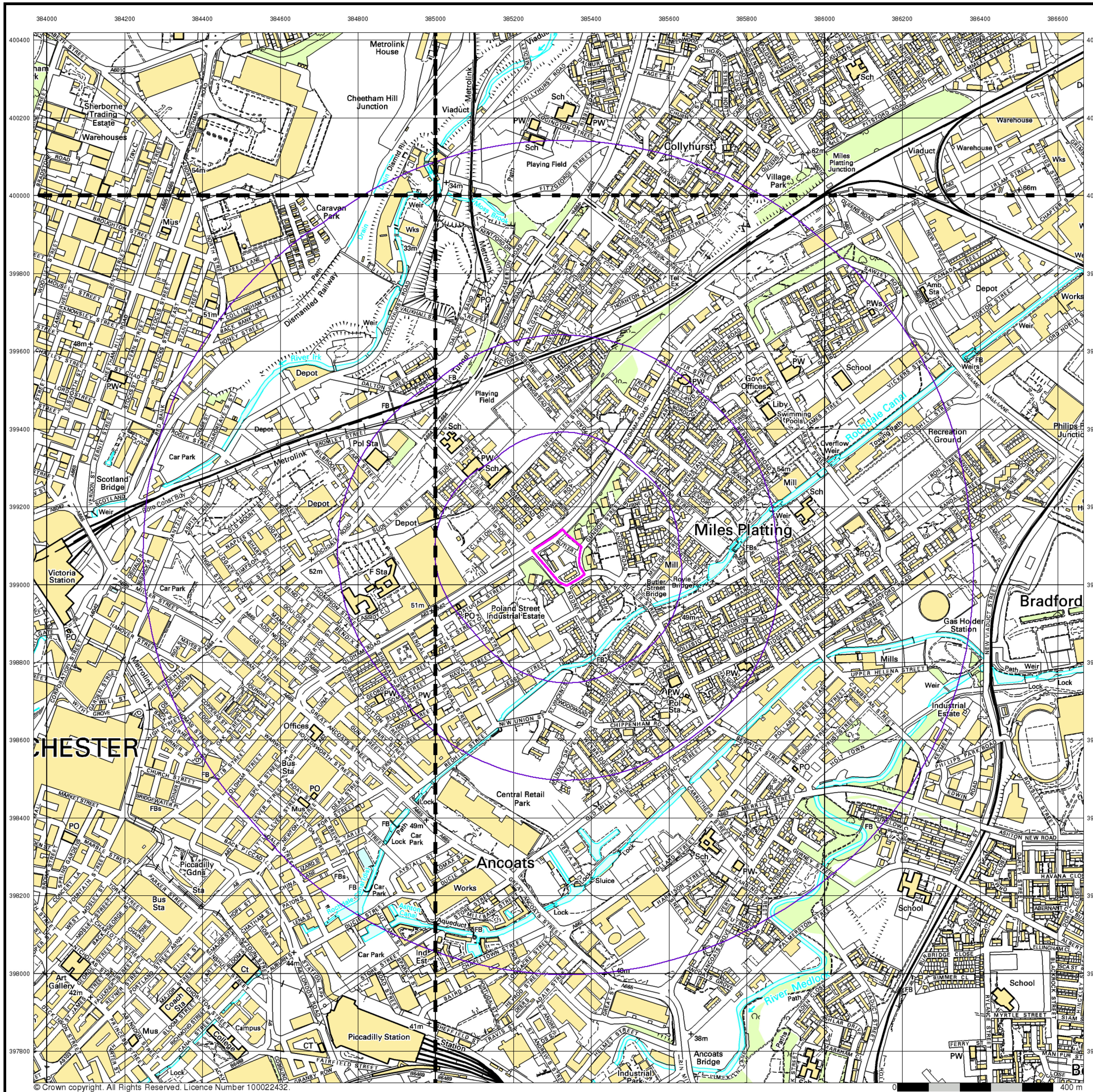
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Customer Ref:	17LPL051
National Grid Reference:	385320, 399070
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Site Area (Ha):	1.09
Search Buffer (m):	1000

Site Details

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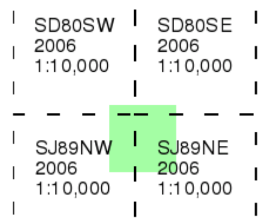
10k Raster Mapping

Published 2006

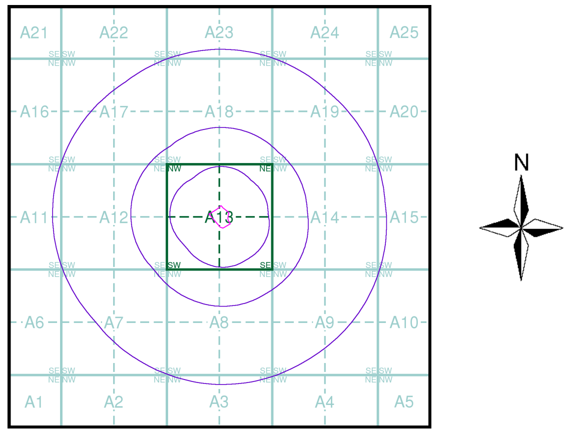
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

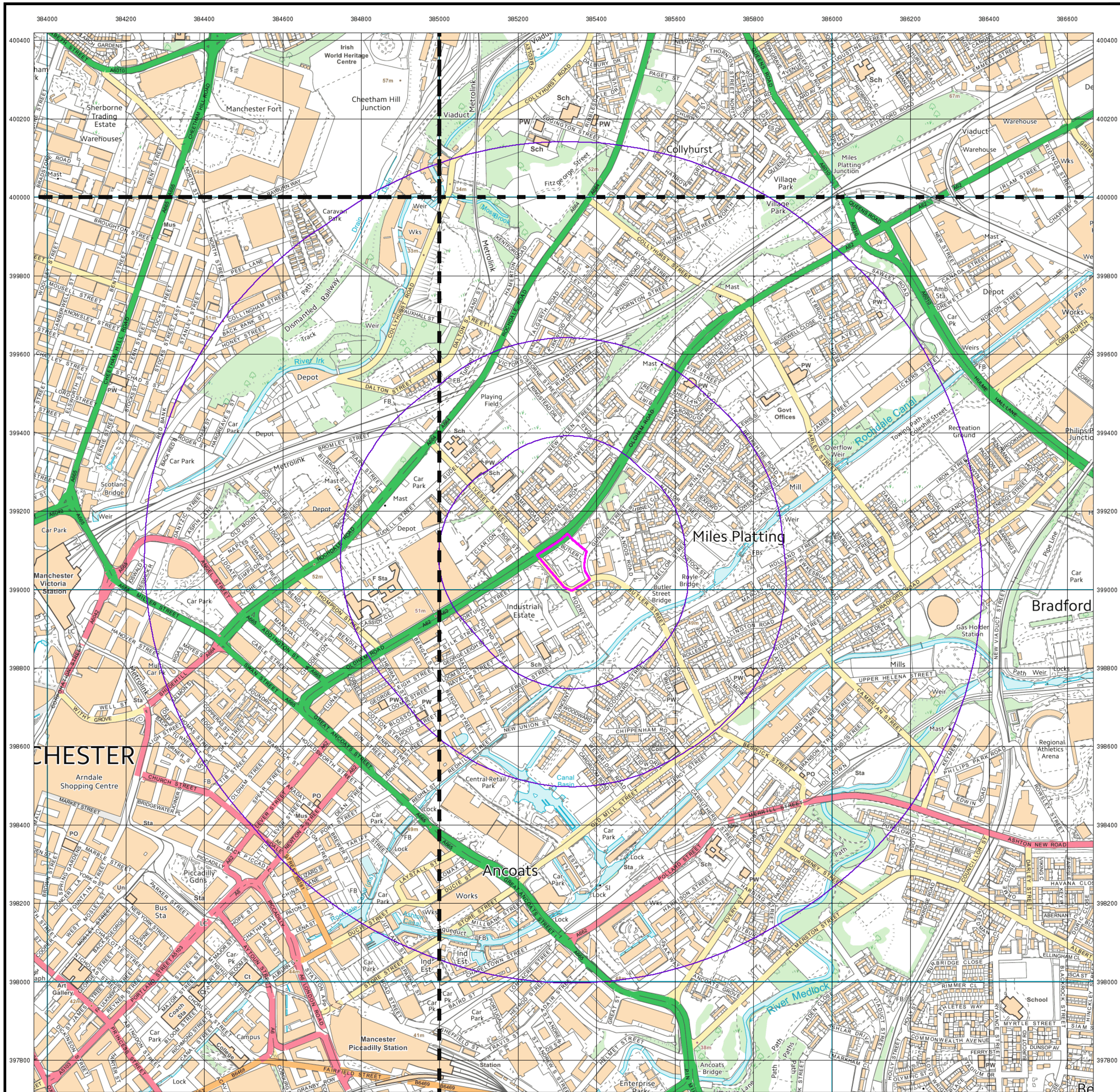
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Customer Ref:	17LPL051
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Slice:	A
Site Area (Ha):	1.09
Search Buffer (m):	1000

Site Details

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0 400 m

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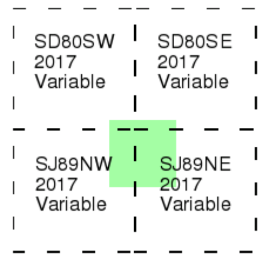
VectorMap Local

Published 2017

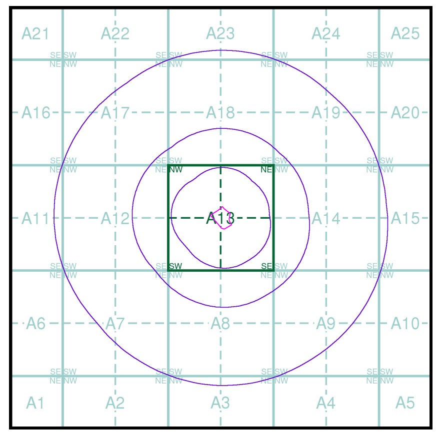
Source map scale - 1:10,000

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



N

Order Details

Order Number: 114632094_1_1
Customer Ref: 17LPL051
National Grid Reference: 385320, 399070
Slice: A
Site Area (Ha): 1.09
Search Buffer (m): 1000

Site Details

542, Oldham Road, MANCHESTER, M40 8BS

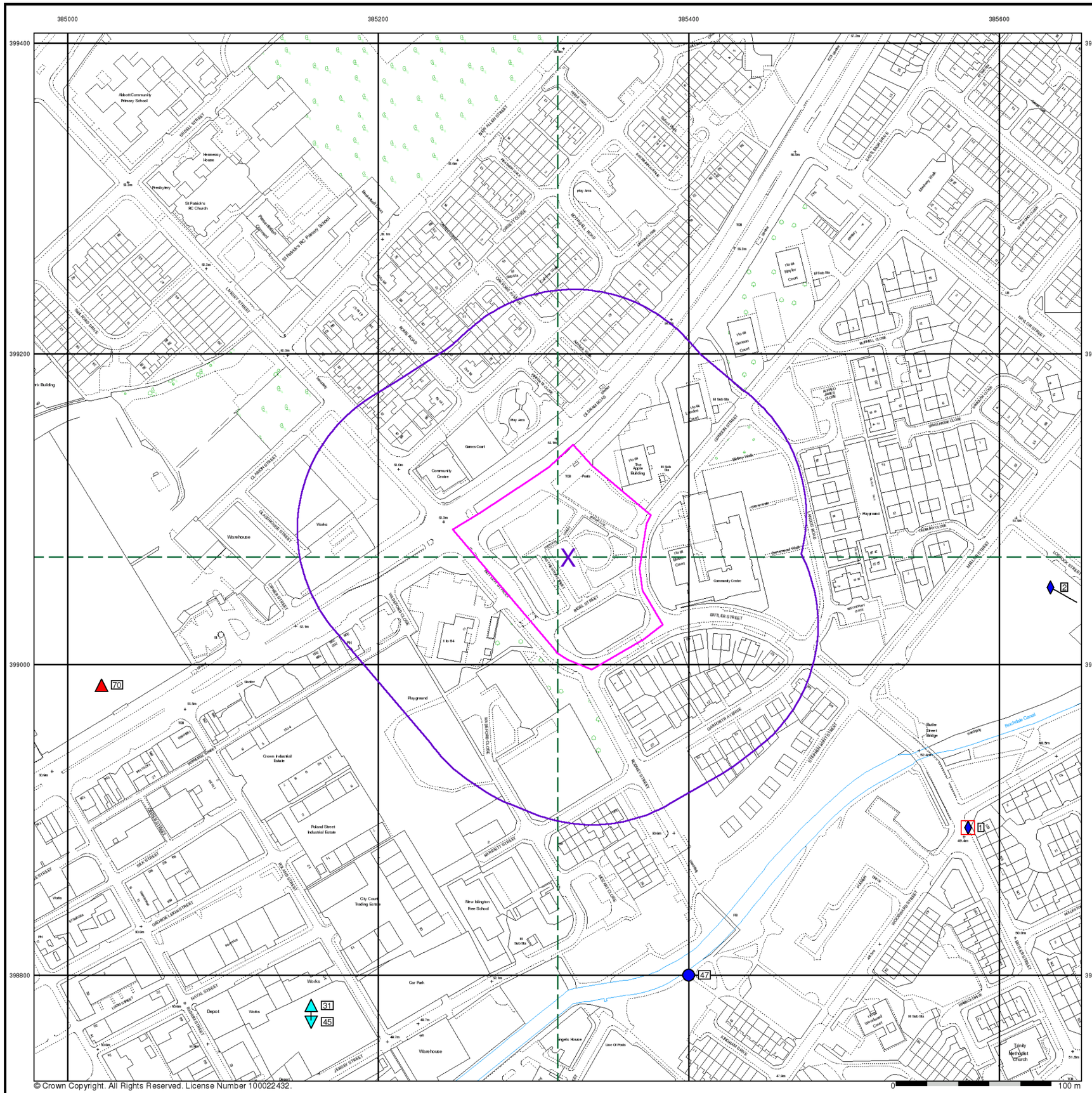
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APPENDIX I

(i) EnviroCheck Dataset

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LANDMARK INFORMATION GROUP®

General

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

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

Hazardous Substances

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

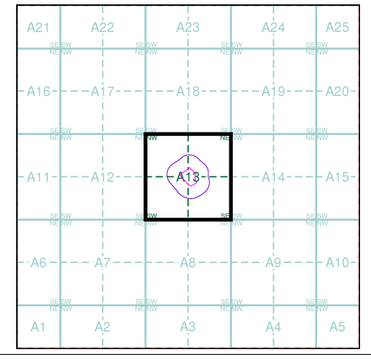
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A13



Order Details

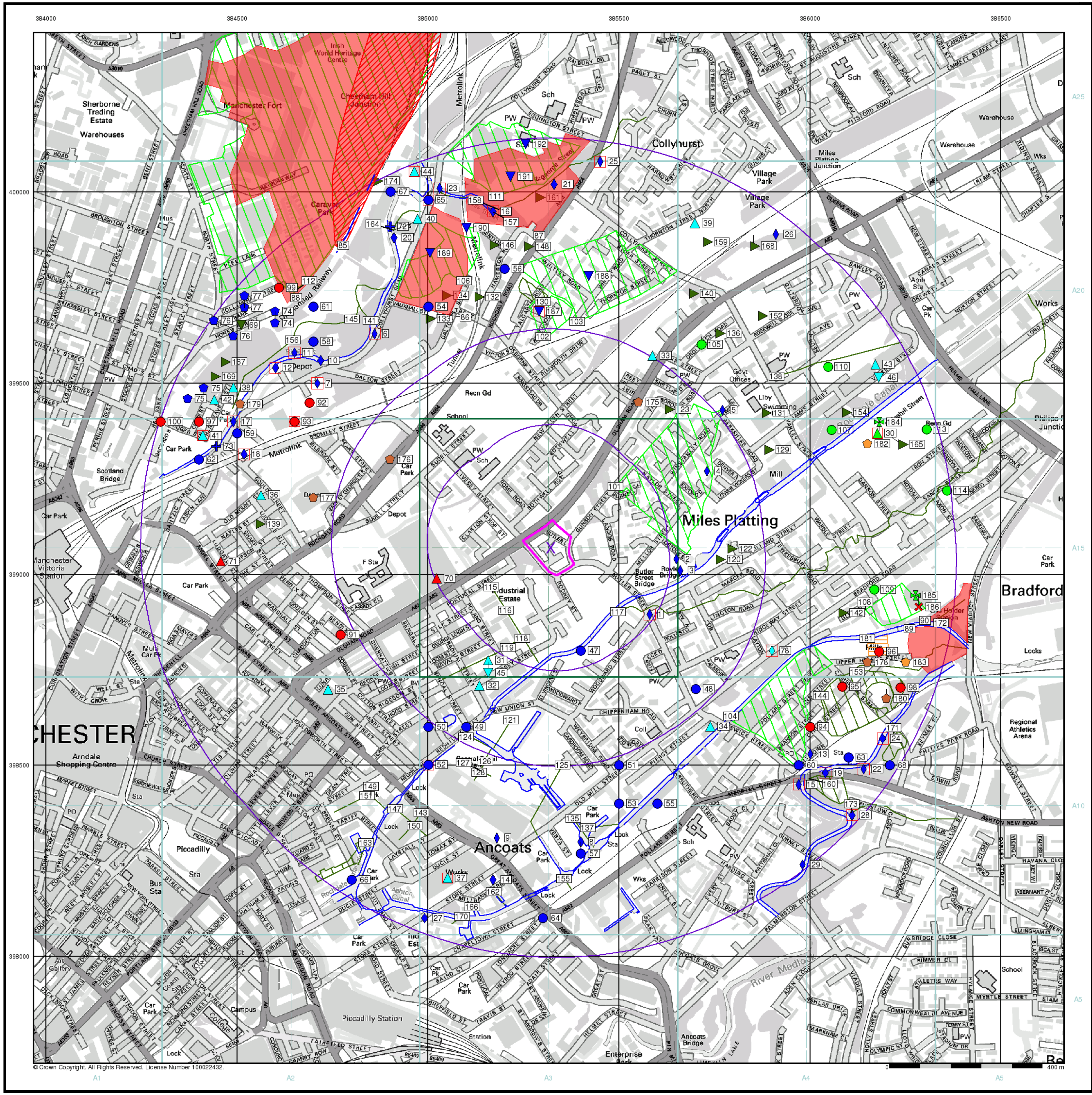
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Slice:	A
Site Area (Ha):	1.09
Plot Buffer (m):	100

Site Details

542, Oldham Road, MANCHESTER, M40 8BS

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General

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

Agency and Hydrological

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

Hazardous Substances

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

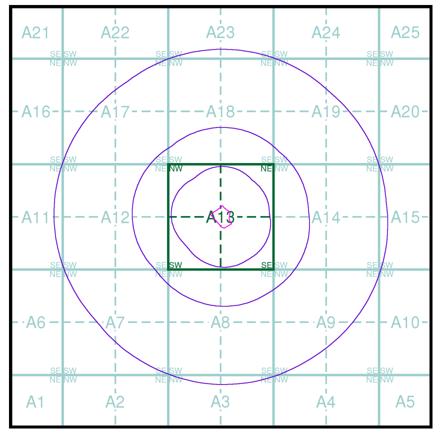
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Slice A



Order Details

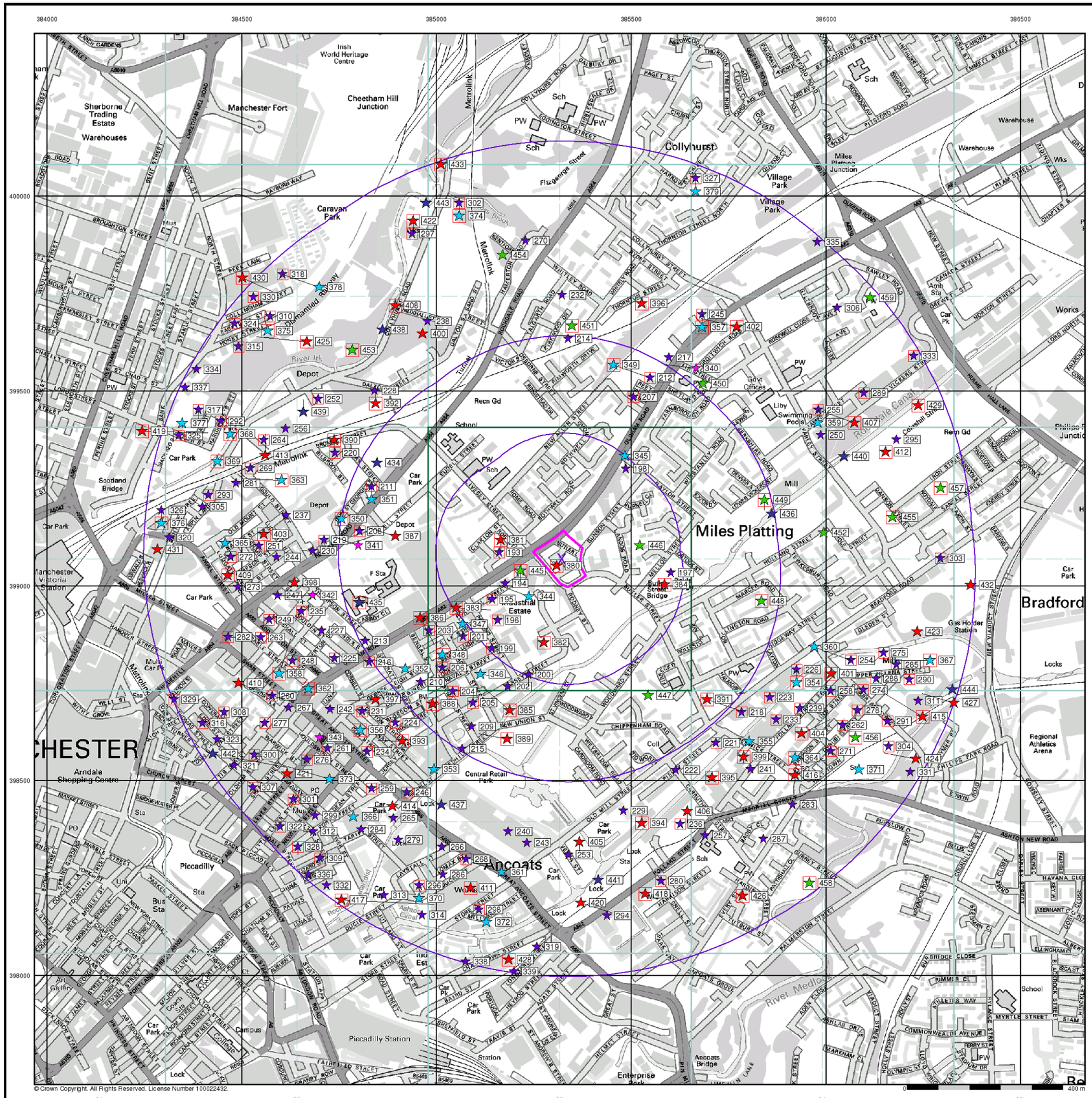
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Slice: A
Site Area (Ha): 1.09
Search Buffer (m): 1000

Site Details

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Industrial Land Use Map

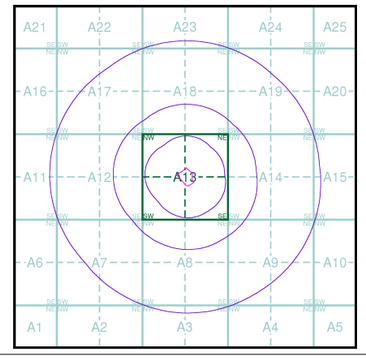
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

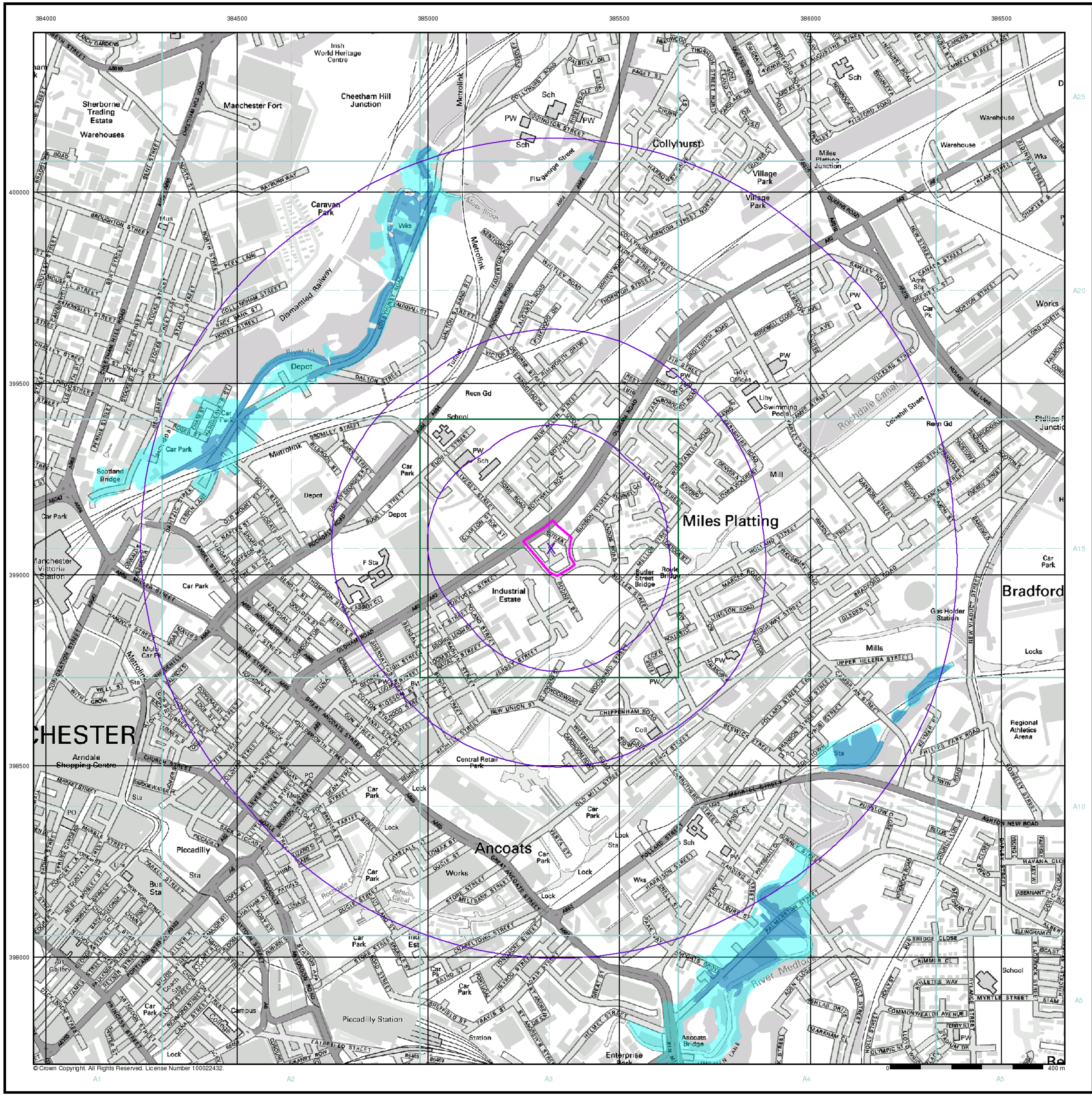
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Customer Ref:	17LPL051
National Grid Reference:	385320, 399070
Slice:	A
Site Area (Ha):	1.09
Search Buffer (m):	1000

Site Details

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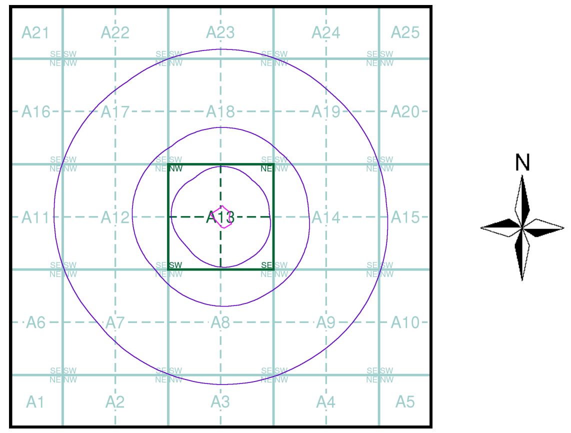
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

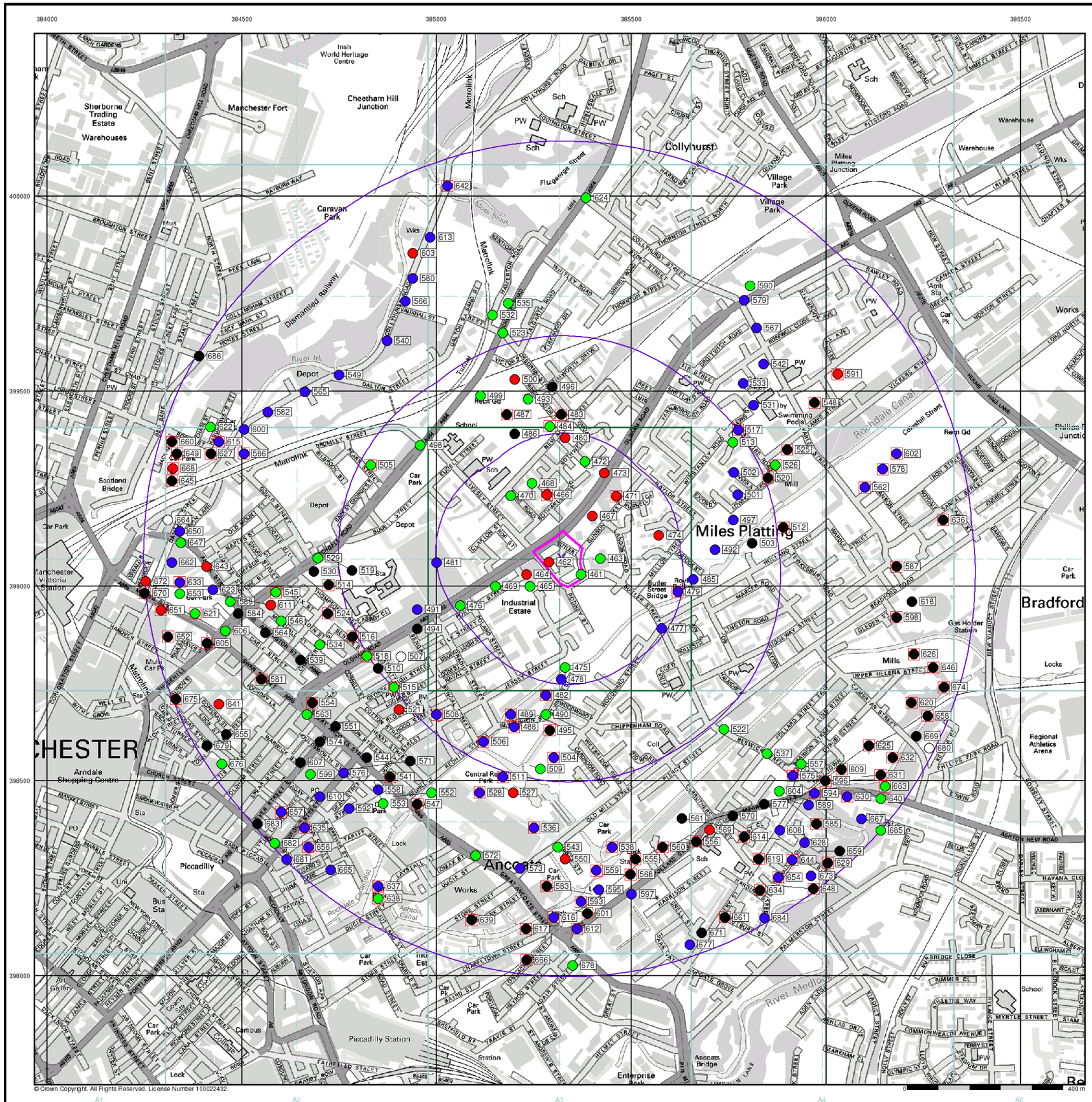
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Slice: A
Site Area (Ha): 1.09
Search Buffer (m): 1000

Site Details

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General

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

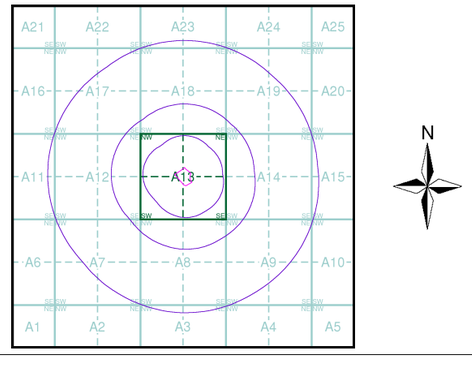
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

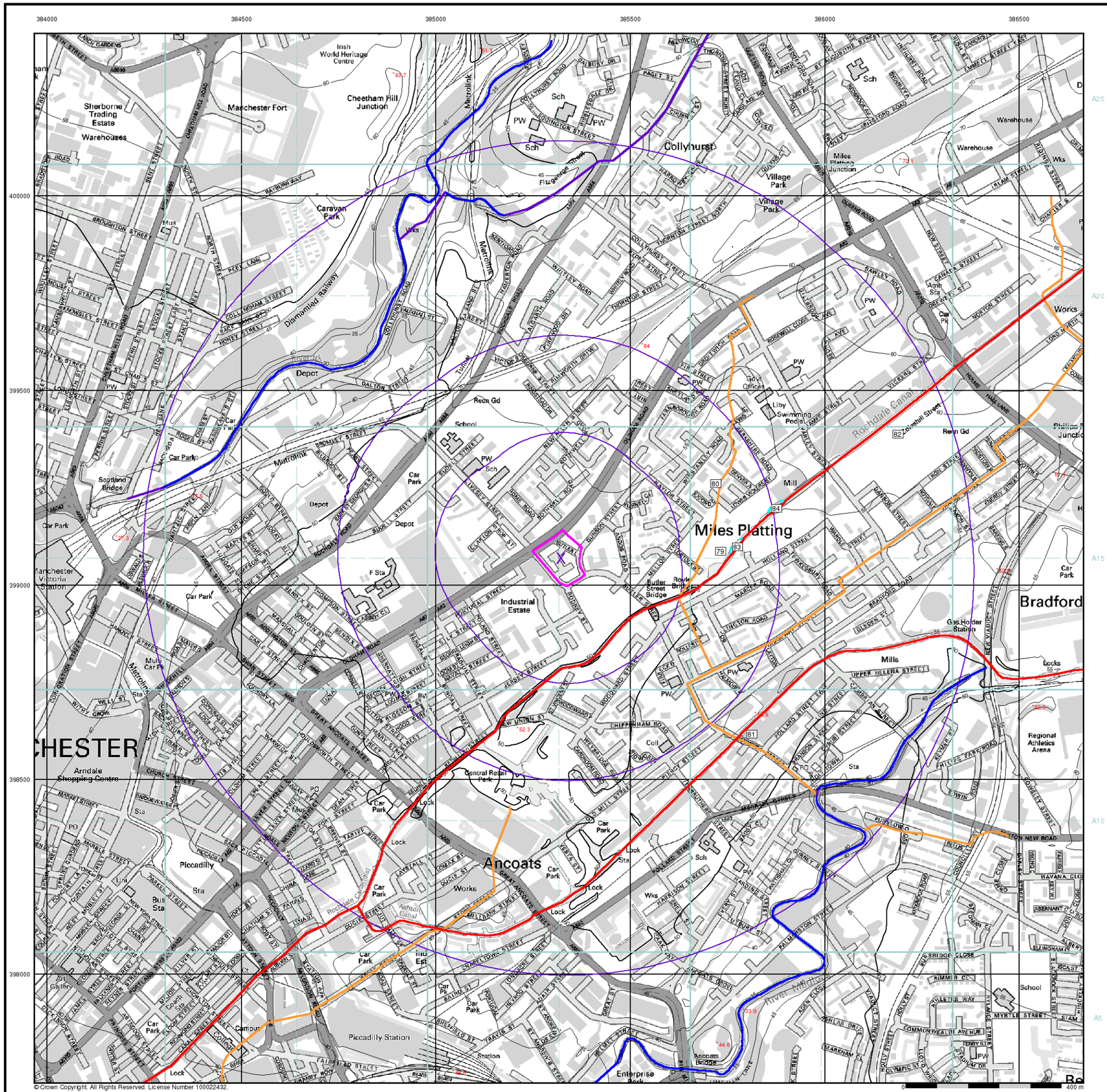
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National Grid Reference:	385320, 399070
Slice:	A
Site Area (Ha):	1.09
Search Buffer (m):	1000

Site Details

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General

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

Detailed River Network Data

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

Contours (height in metres)

Standard Contour 105 100 95

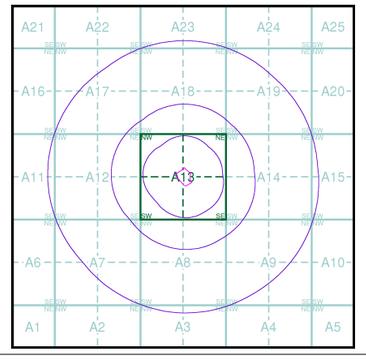
Master Contour

Spot Height *167.3

MLW Mean Low Water

MHW Mean High Water

EA/NRW Detailed River Network Map - Slice A



Order Details

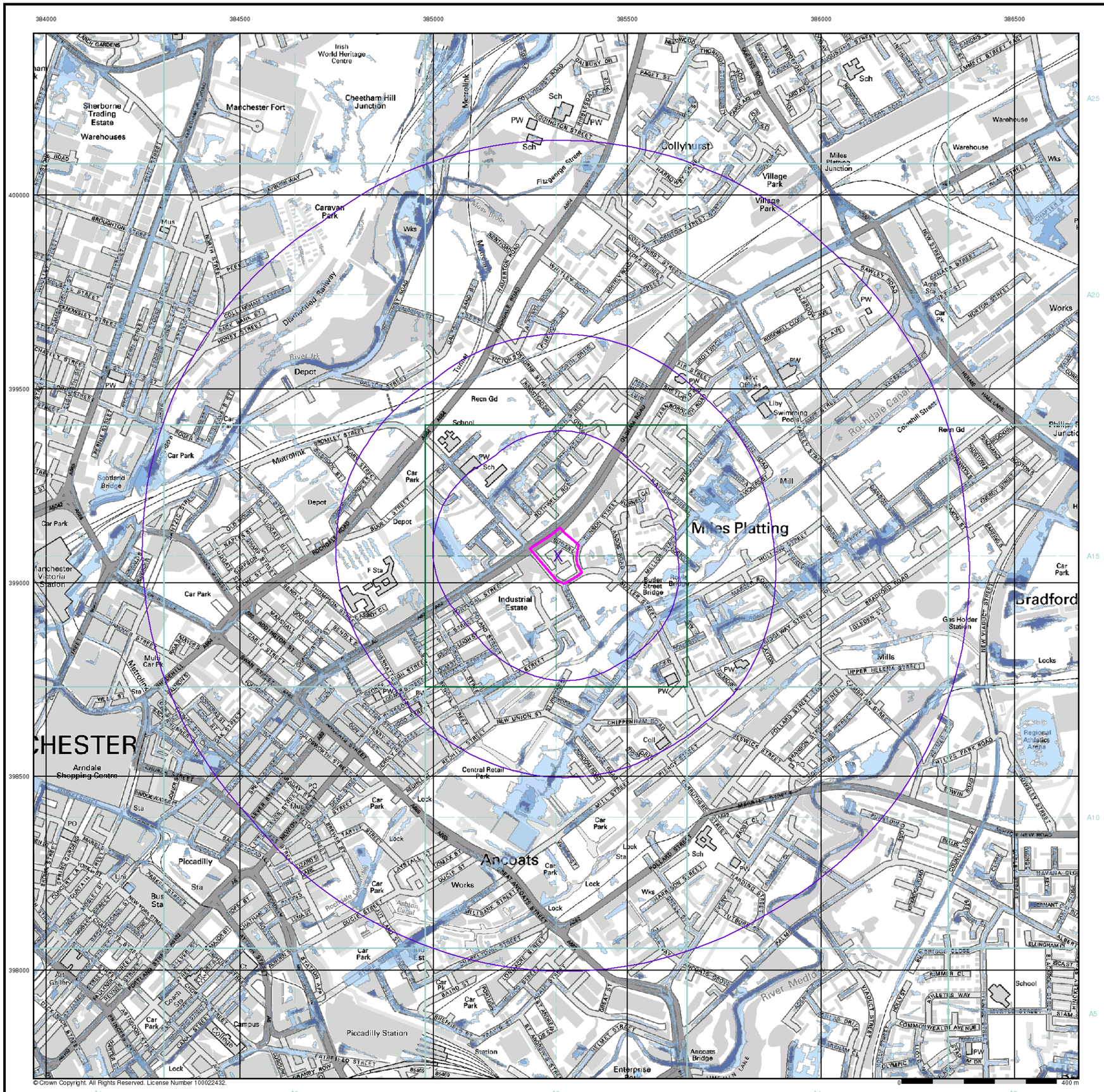
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Customer Ref:	17LPL051
National Grid Reference:	385320, 399070
Slice:	A
Site Area (Ha):	1.09
Search Buffer (m):	1000

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General

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

Risk of Flooding from Surface Water

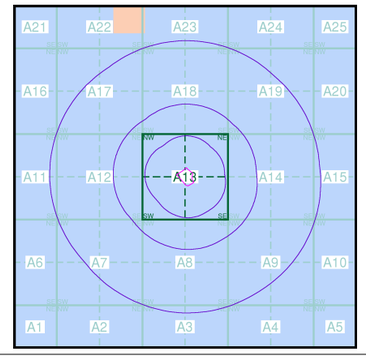
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

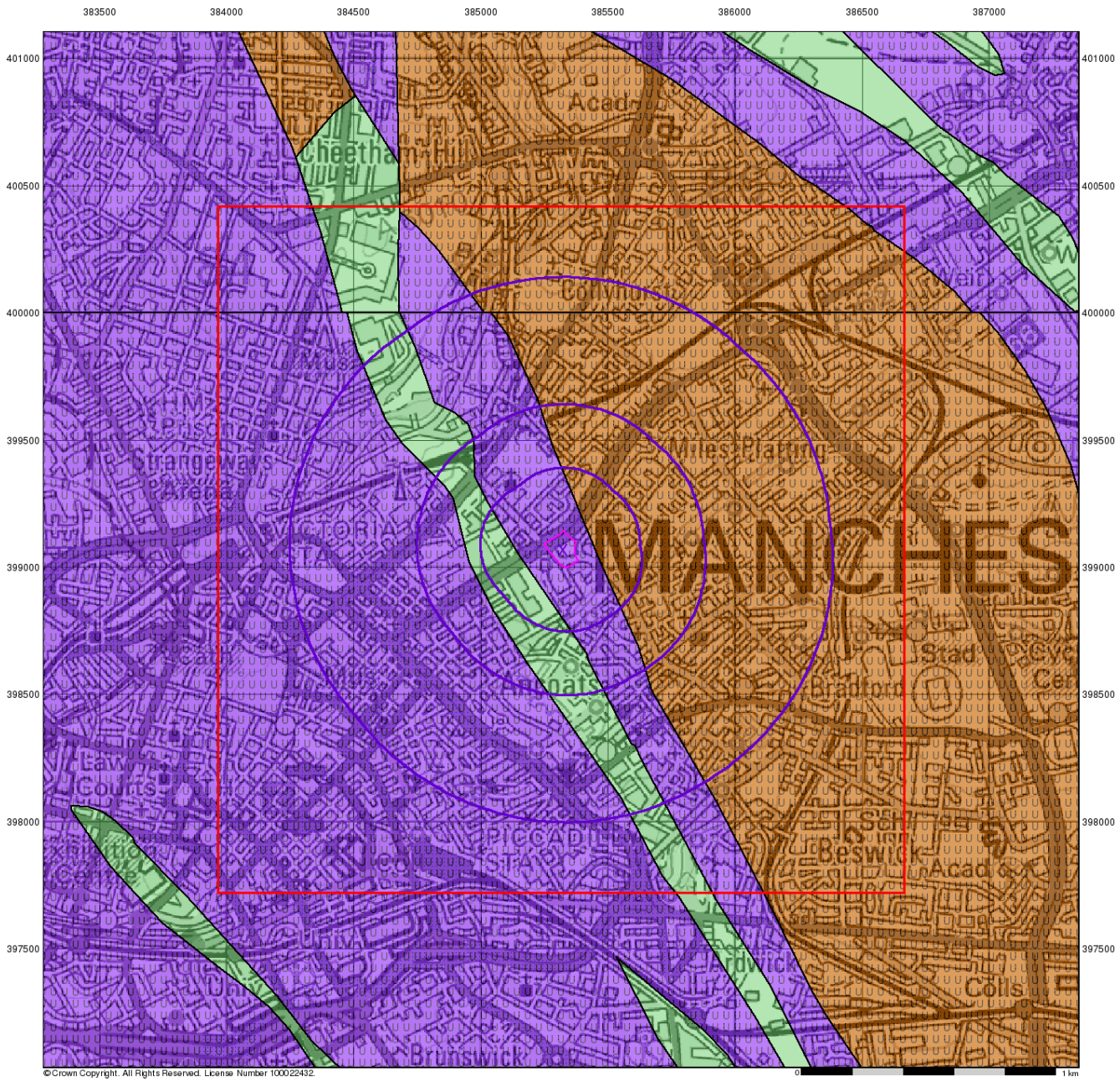
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Groundwater Vulnerability

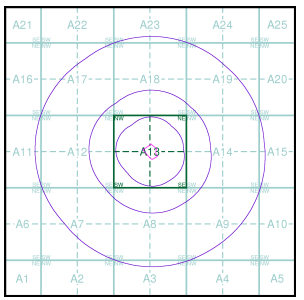
General

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



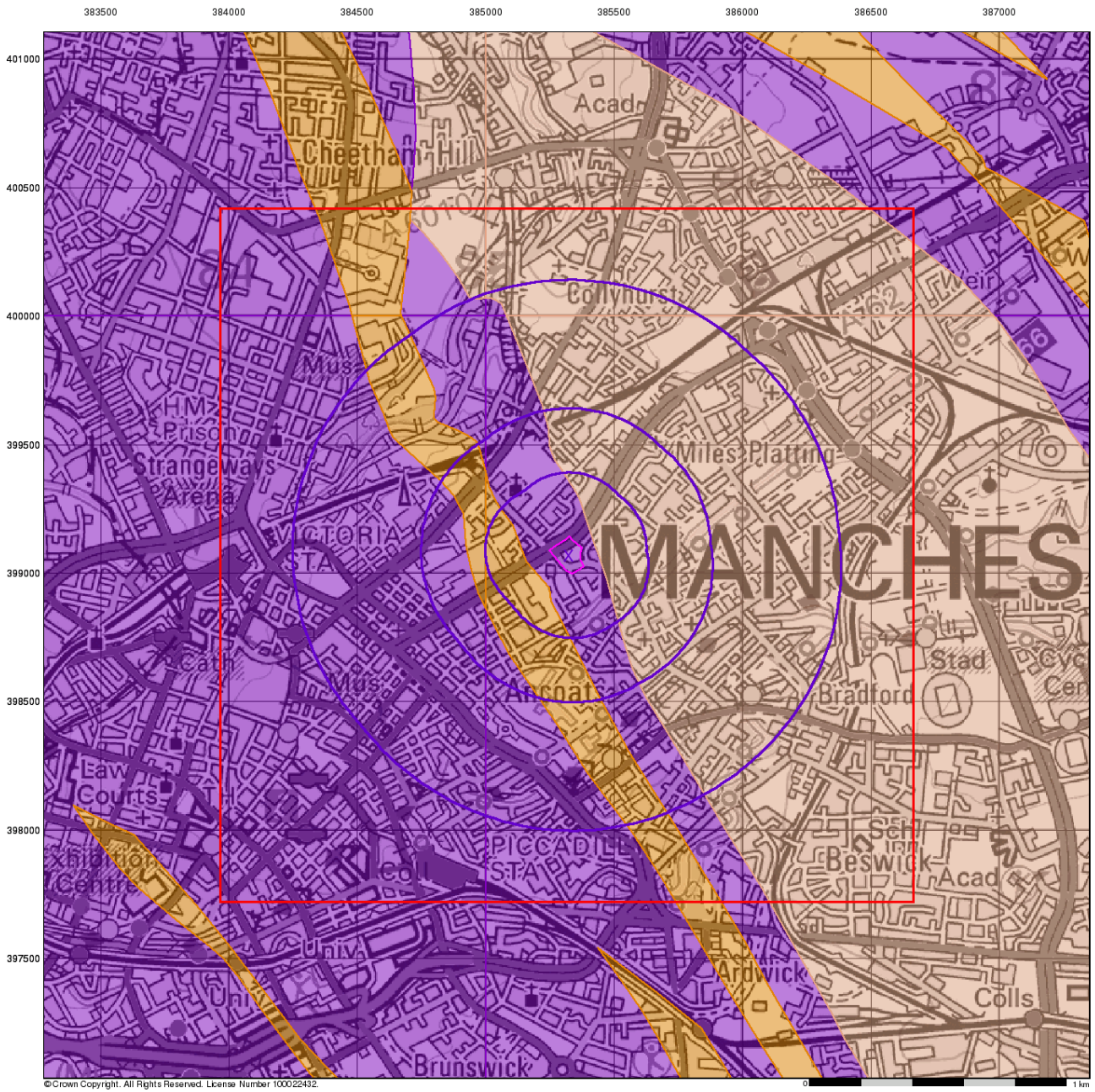
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Bedrock Aquifer Designation

General

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

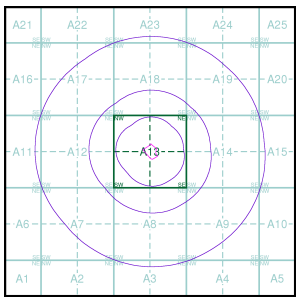
Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

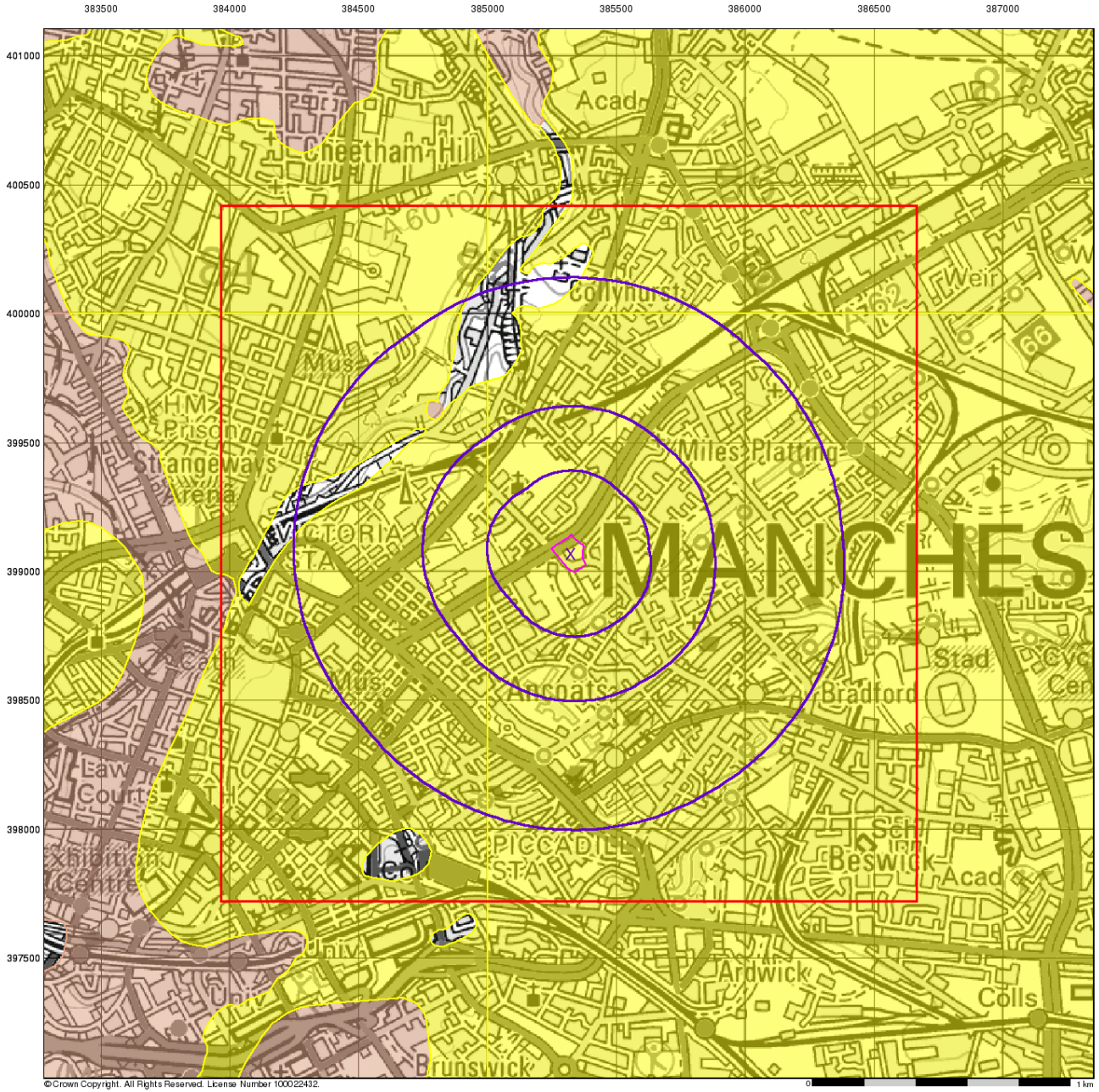
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Site Area (Ha):	1.09
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Superficial Aquifer Designation

General

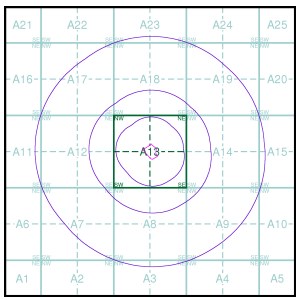
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



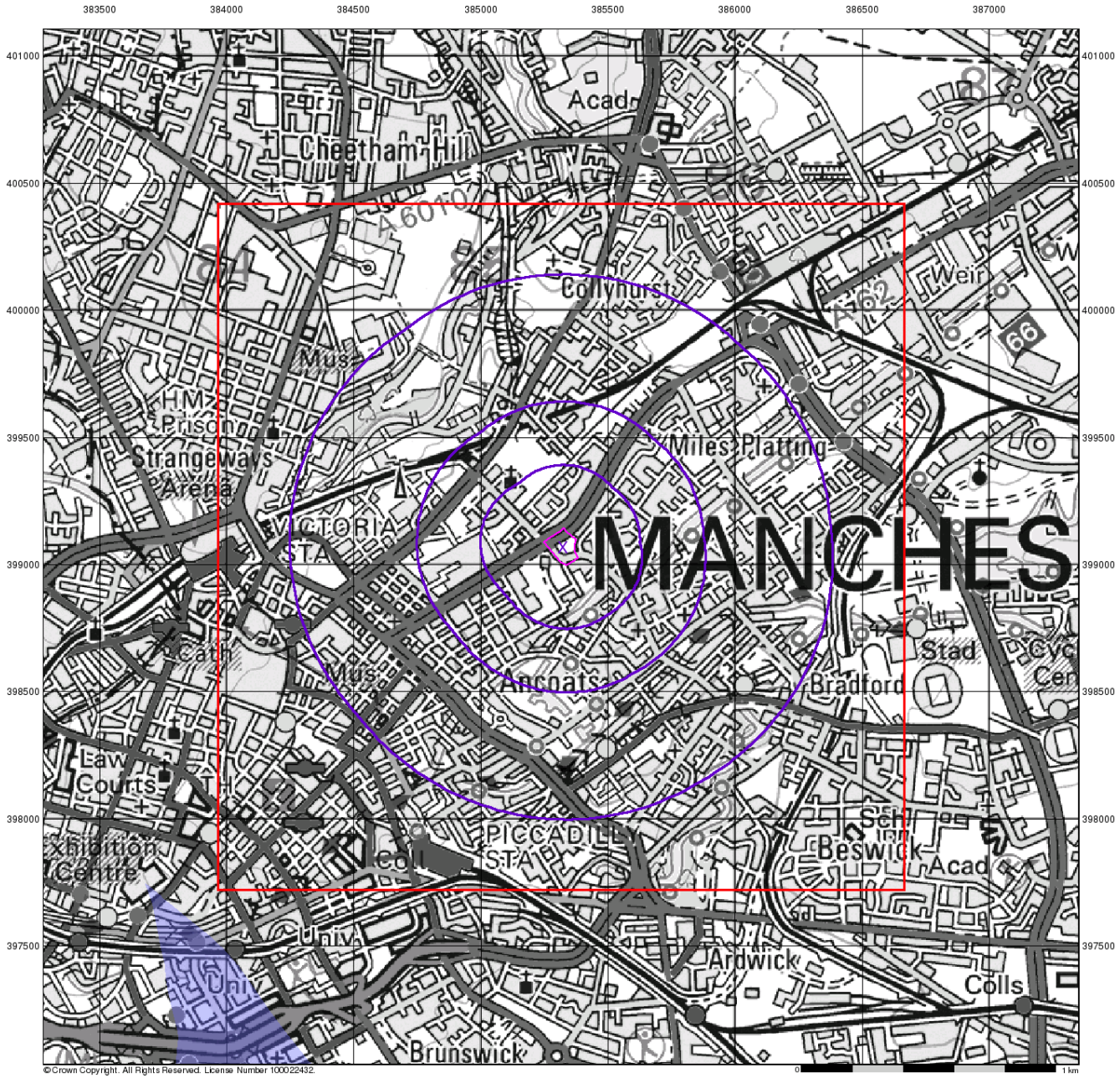
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Source Protection Zones

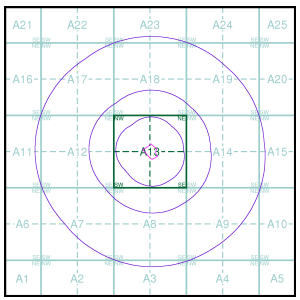
General

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

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

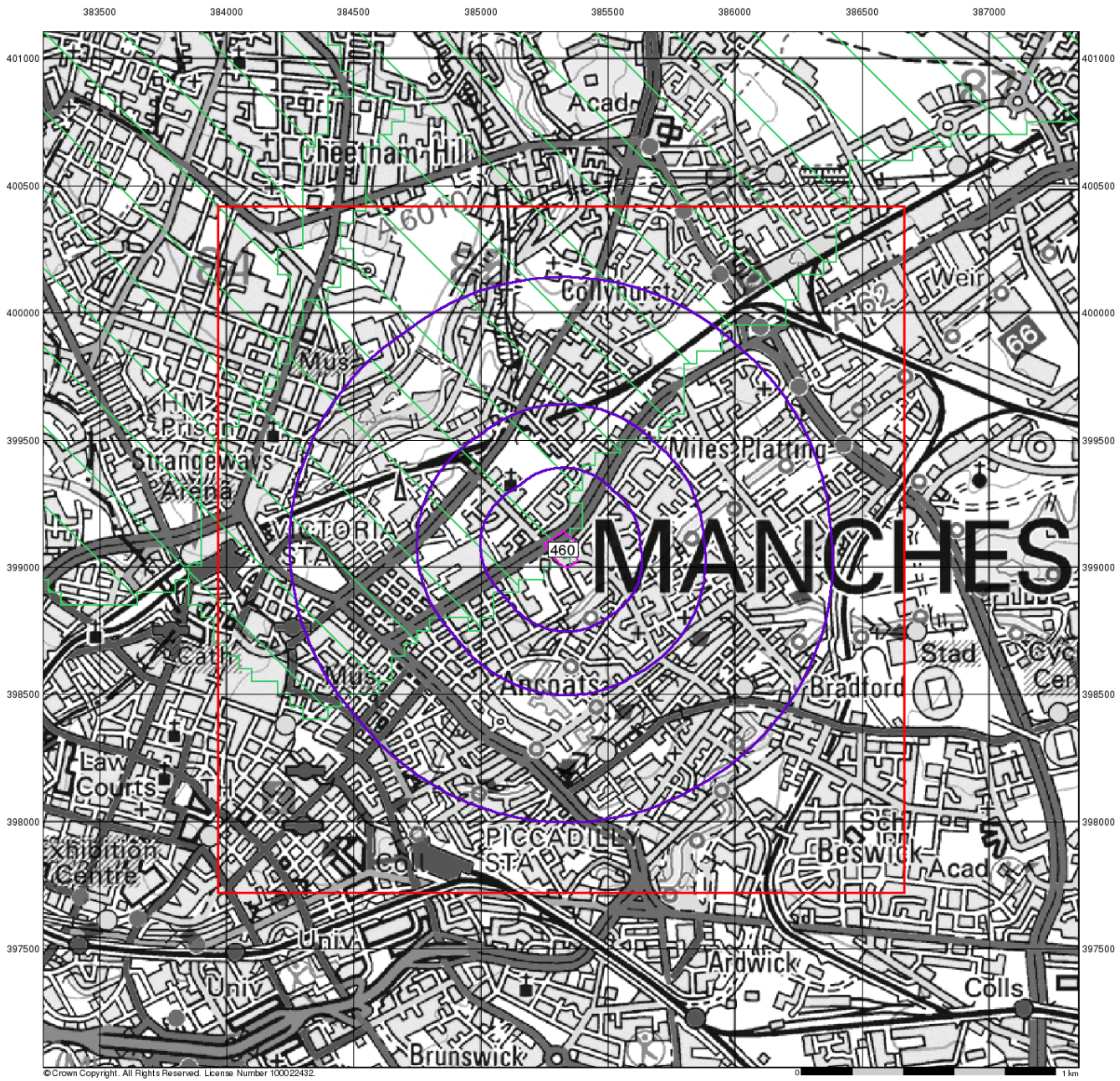
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Sensitive Land Uses

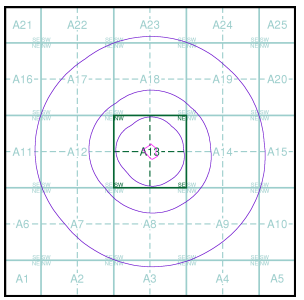
General

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

Sensitive Land Uses

- Ancient Woodland
- 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
- World Heritage Sites

Site Sensitivity Context Map - Slice A



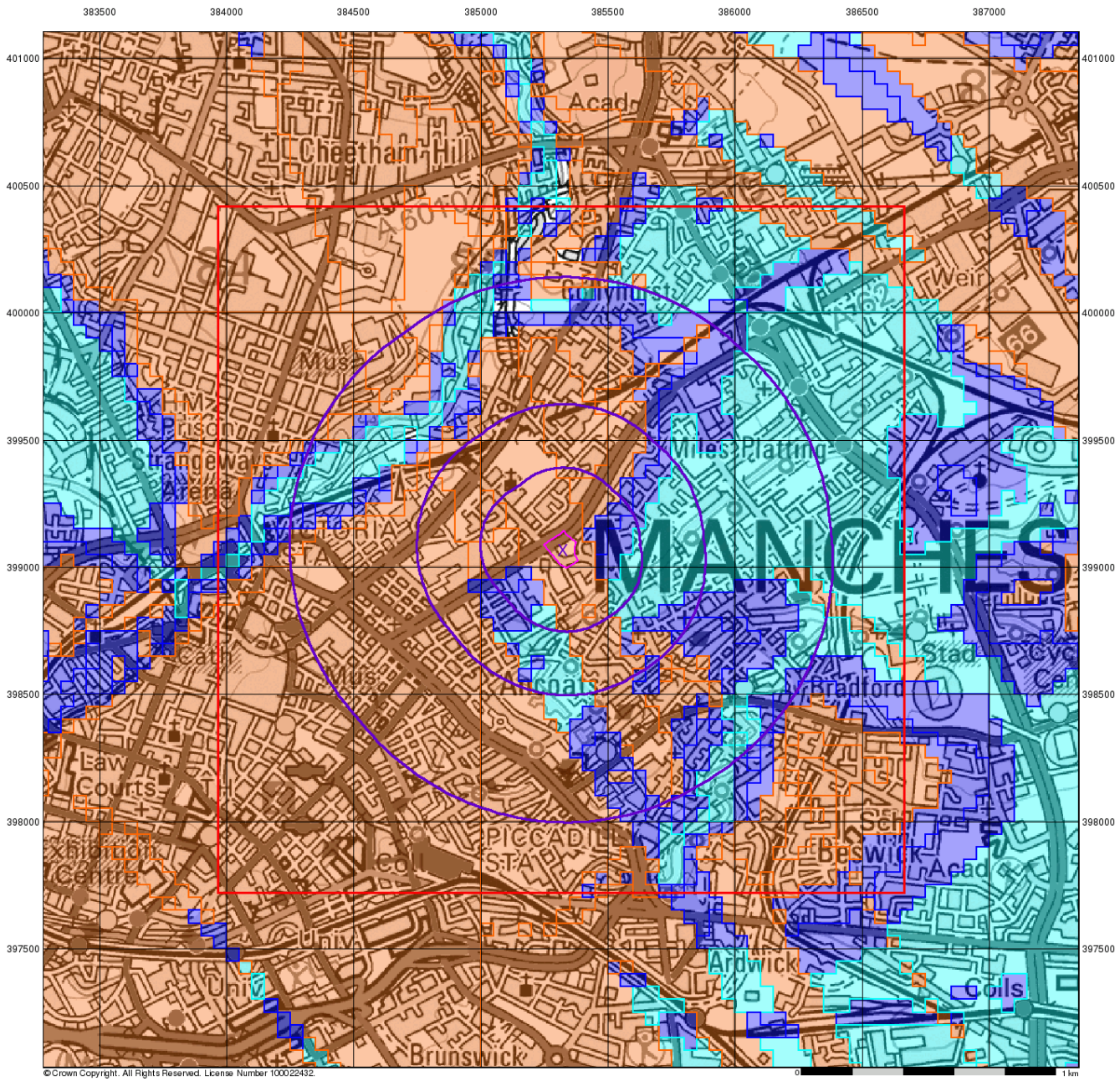
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BGS Flood GFS Data

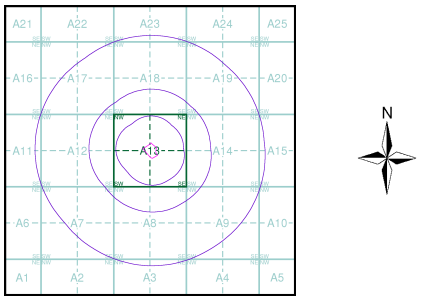
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice

Agency and Hydrological (Flood)

Limited Potential for Groundwater Flooding to Occur
Potential for Groundwater Flooding of Property Situated Below Ground Level
Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Cenozoic - Cenozoic
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Quaternary - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	TILLD	Till, Devensian	Diamicton	Devensian - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Quaternary - Quaternary
	PEAT	Peat	Peat [Unlithified Deposits Coding Scheme]	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CPB	Chester Pebble Beds Formation	Sandstone	Early Triassic - Early Triassic
	MM	Manchester Marls Formation	Mudstone	Late Permian - Late Permian
	CS	Collyhurst Sandstone Formation	Sandstone	Cisuralian - Cisuralian
	HA	Halesowen Formation	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	HTS	Holt Town Sandstone Bed	Sandstone	Westphalian D - Westphalian D
	GML	Great Mine Limestone	Limestone	Westphalian D - Westphalian D
	PUCM	Pennine Upper Coal Measures Formation	Mudstone, Siltstone and Sandstone	Westphalian D - Bolsovian
	OPS	Openshaw Sandstone	Sandstone	Bolsovian - Bolsovian
	WDR	Worsley Delf Rock	Sandstone	Bolsovian - Bolsovian
	NHSS	Newton Heath Sandstone	Sandstone	Bolsovian - Bolsovian
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Bolsovian - Duckmantian
	ETM	Etruria Formation	Sandstone and Mudstone	Westphalian - Westphalian
		Faults		
		Rock Segments		

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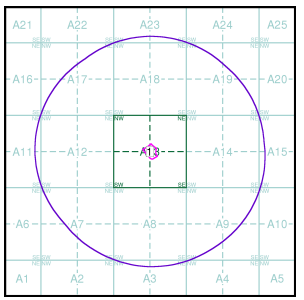
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	**1**
Map Sheet No:	**085**
Map Name:	**Manchester**
Map Date:	**2011**
Bedrock Geology:	**Available**
Superficial Geology:	**Available**
Artificial Geology:	**Available**
Faults:	**Not Supplied**
Landslip:	**Available**
Rock Segments:	**Not Supplied**

Geology 1:50,000 Maps - Slice A



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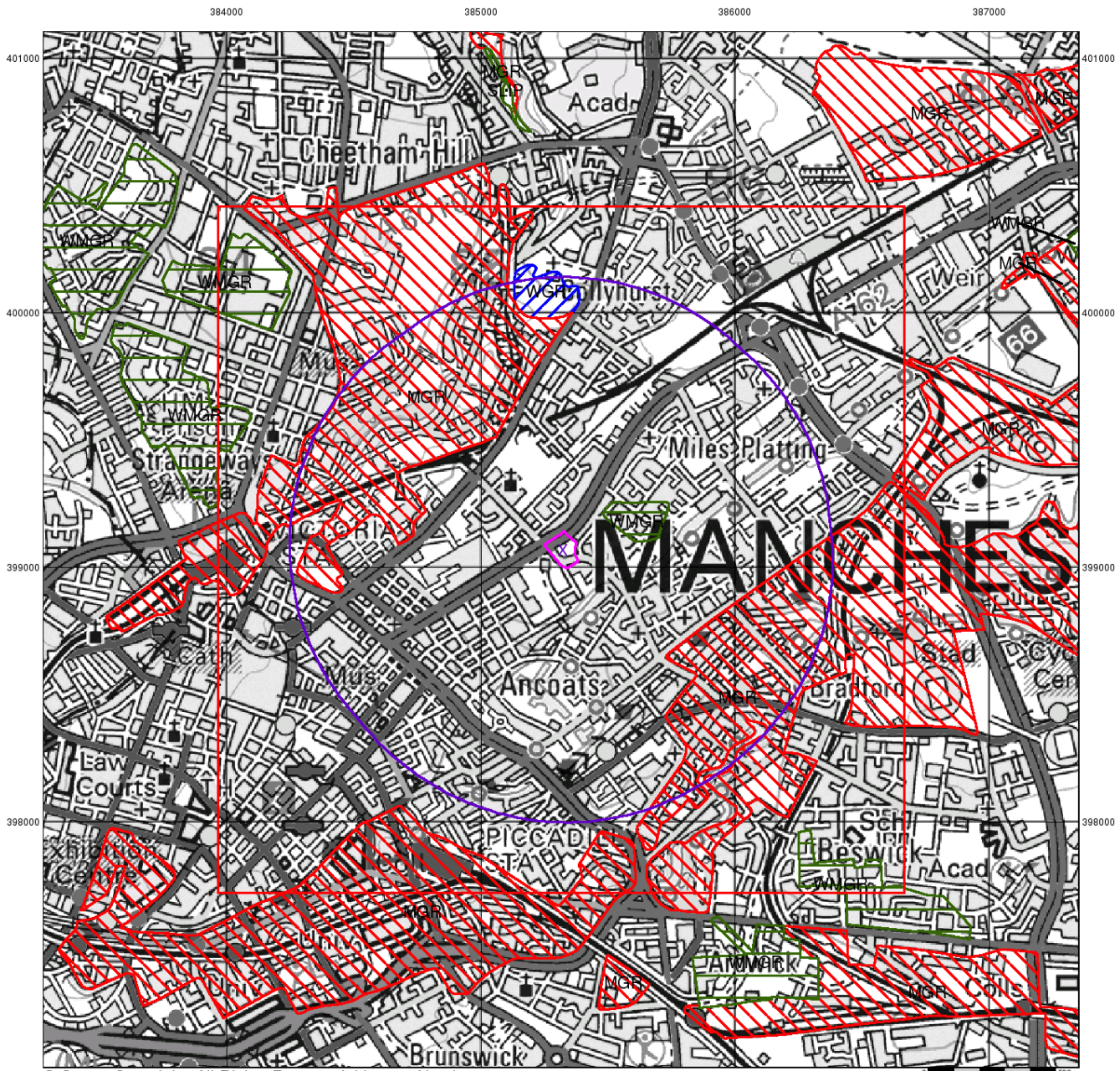
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Artificial Ground and Landslip

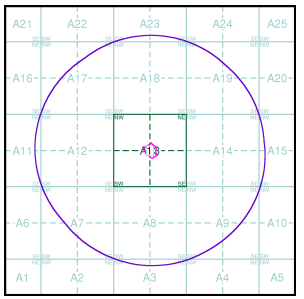
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



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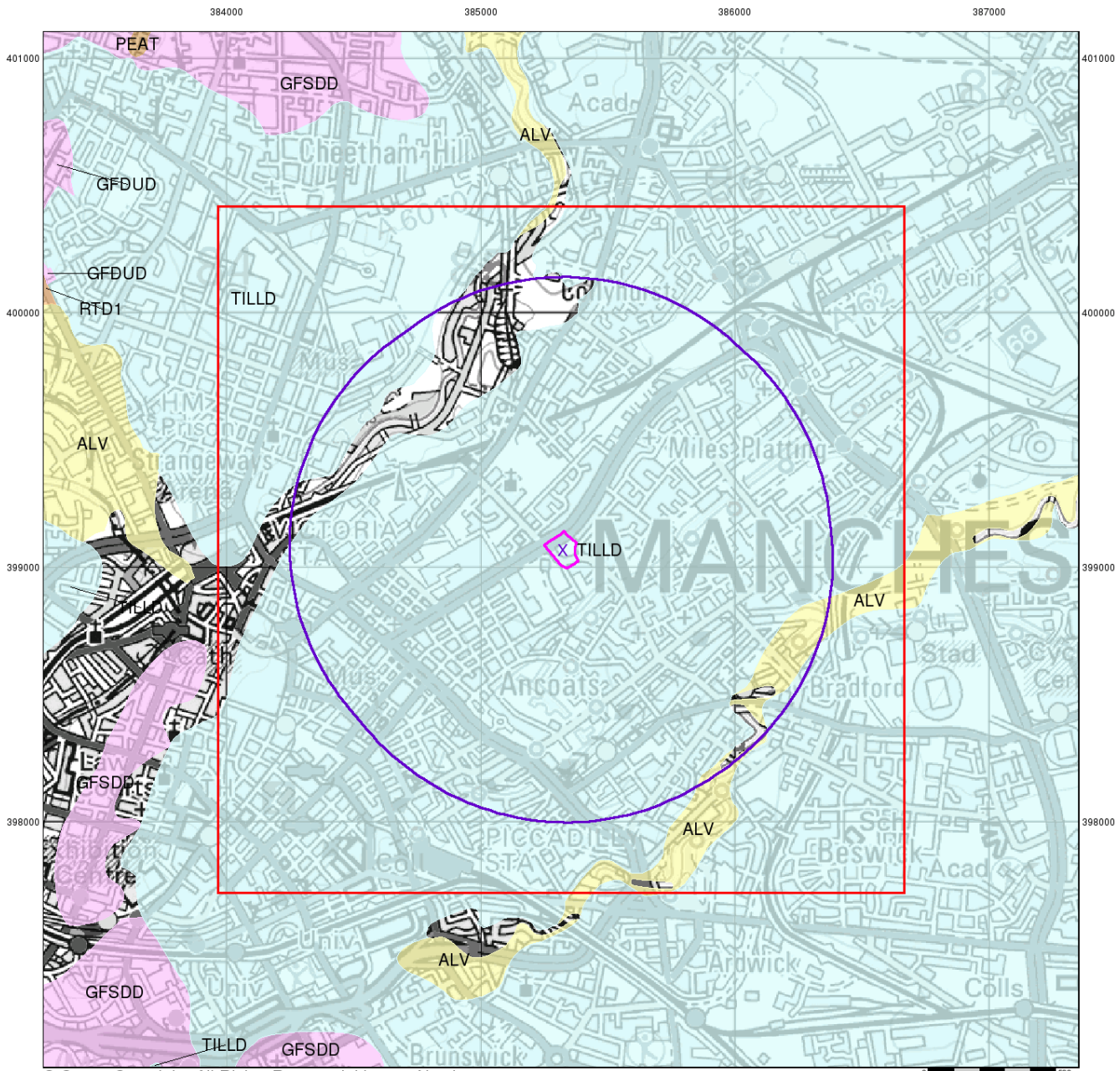
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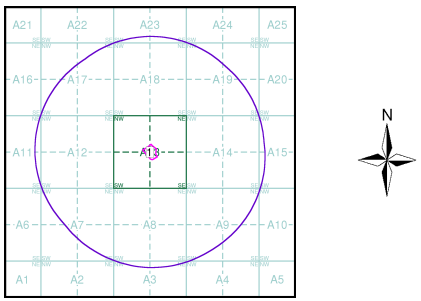
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



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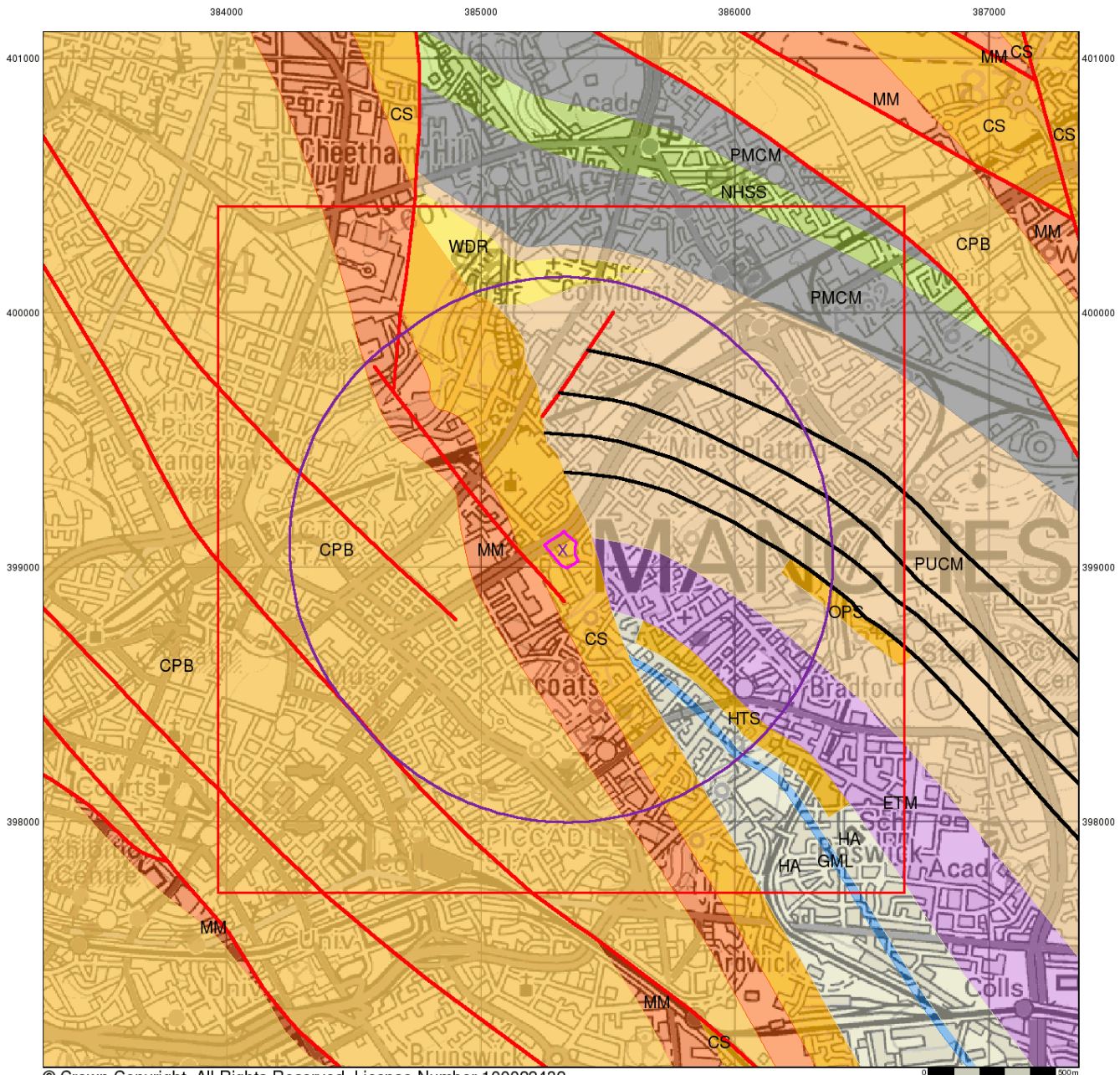
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Bedrock and Faults

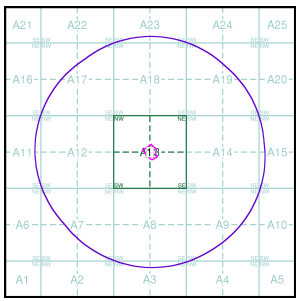
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



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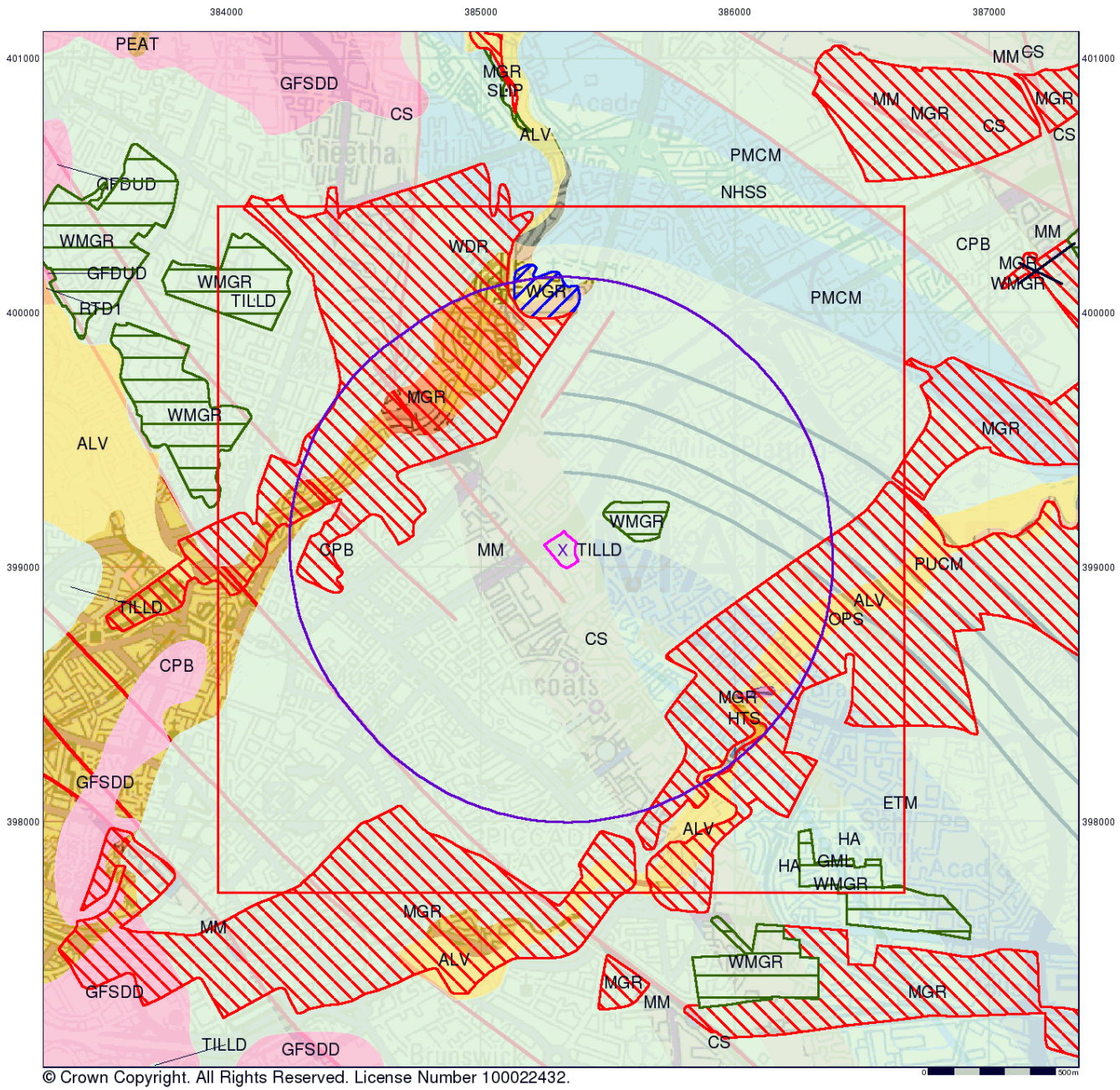
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Combined Surface Geology

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

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

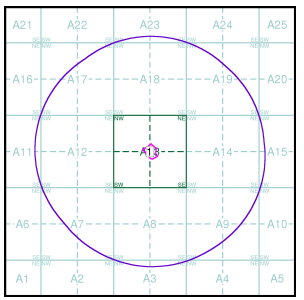
Additional Information

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

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



Order Details:

Order Number:	114632094_1_1
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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
114632094_1_1

Customer Reference:
17LPL051

National Grid Reference:
385320, 399070

Slice:
A

Site Area (Ha):
1.09

Search Buffer (m):
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Site Details:

542, Oldham Road
MANCHESTER
M40 8BS

Client Details:

Mr M Fawcett
Betts Geo Environmental
Old Marsh Farm Barns
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Sealand
Flintshire
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Contents

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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/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In 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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Report Version v50.0

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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					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		5	3	57
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 18				2
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 19			2	17
Local Authority Pollution Prevention and Control Enforcements	pg 21			1	1
Nearest Surface Water Feature	pg 21		Yes		
Pollution Incidents to Controlled Waters	pg 22		1	2	23
Prosecutions Relating to Authorised Processes	pg 26				1
Registered Radioactive Substances	pg 26		1		1
River Quality	pg 26		1		5
River Quality Biology Sampling Points	pg 27				1
River Quality Chemistry Sampling Points	pg 28				1
Substantiated Pollution Incident Register	pg 28				4
Water Abstractions	pg 29				2 (*40)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 39	Yes	n/a	n/a	n/a
Drift Deposits	pg 39	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 39	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 39	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 40		Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 40			Yes	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	pg 41				1
Historical Landfill Sites	pg 41				5
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 42				11
Local Authority Landfill Coverage	pg 44	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 44		1	1	12
Potentially Infilled Land (Water)	pg 45		5	6	49
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 48			2	4
Registered Waste Treatment or Disposal Sites	pg 50				3
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 52				2
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents	pg 52				1
Planning Hazardous Substance Enforcements					

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Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 53	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 53	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 55				7
BGS Urban Soil Chemistry	pg 57		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 60	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 60	Yes	n/a	n/a	n/a
Mining Instability	pg 60	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 60		Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 60	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 60		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 61	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 61	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 61	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
Industrial Land Use					
Contemporary Trade Directory Entries	pg 62		17	32	397
Fuel Station Entries	pg 99				4
Points of Interest - Commercial Services	pg 100		2	19	55
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 106	2	10	21	115
Points of Interest - Public Infrastructure	pg 119			4	8
Points of Interest - Recreational and Environmental	pg 120		4	5	16
Gas Pipelines					
Underground Electrical Cables					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
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 123	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SW)	0	2	385323 399069
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	25	2	385400 399100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	57	2	385400 399150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	67	2	385450 399050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	87	2	385250 398950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	93	2	385200 399000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	98	2	385150 399069
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	139	2	385500 398950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	152	2	385300 398850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	160	2	385400 398850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	161	2	385100 399150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	209	2	385323 399350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	248	2	385000 399069
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	249	2	385000 399100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	284	2	385000 398950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	298	2	385000 398900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	313	2	385600 398800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	321	2	385550 398750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	337	2	385050 398800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	339	2	385600 399350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	349	2	385150 398700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	351	2	385600 398750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	358	2	385250 398650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	421	2	385200 398600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	459	2	385750 398750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	461	2	385650 398650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	475	2	385600 398600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	475	2	385450 399600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	482	2	385000 399500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	491	2	385500 399600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A9NW (SE)	492	2	385700 398650
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (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	A13SE (SE)	234	3	385580 398900
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (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	A13SE (SE)	234	3	385580 398900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (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	A13SE (SE)	234	3	385580 398900
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (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	A13SE (SE)	234	3	385580 398900
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (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	A13SE (SE)	237	3	385580 398895
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Lostock St/Royle St, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0034 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	A13SE (E)	268	3	385650 399040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Royle Street, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0064 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	A14SW (E)	278	3	385660 399010
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Winstanley Rd Nursery, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0035 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 14th November 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Newton Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	395	3	385730 399270
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lewis St/Berkshire Rd, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0033 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 14th October 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	517	3	385770 399430
6	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Burton St Sso, Nr Dalton St, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982622 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 Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	664	3	384860 399625

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Burton St Sso, Nr Dalton St, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0263 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 Irk **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	668	3	384860 399630
7	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dalton St/Dantzic Street Sso, Dalton St/Dantzic Street, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982623 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 3rd December 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	676	3	384710 399495
7	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dalton St/Dantzic Street Sso, Dalton St/Dantzic Street, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0264 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 Irk **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	679	3	384710 399500
8	**Discharge Consents** Operator: Edwin Butterworth & Co Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) 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	A8SE (S)	700	3	385400 398300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (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	A8SW (S)	705	3	385180 398310
10	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ducal St/Dantzic St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0057 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th October 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	717	3	384710 399560
11	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dantzic Street Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982951 Permit Version: 2 Effective Date: 7th December 2004 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	763	3	384650 399560
11	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dantzic Street Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982951 Permit Version: 1 Effective Date: 23rd June 1995 Issued Date: Not Supplied Revocation Date: 6th December 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	775	3	384650 399580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dantzic St/Warford St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0039 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 Irk **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	791	3	384600 399540
12	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dantzic St/Warford St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0039 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 Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	791	3	384600 399540
13	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Holt Town/Weston Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0373 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 24th November 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	792	3	386000 398530
14	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (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	A8SW (S)	815	3	385170 398200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Beswick St/Ashton New Rd Cso, Holt Town, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982710 Permit Version: 2 Effective Date: 31st August 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	A9NW (SE)	815	3	385970 398460
15	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Beswick St/Holt Town Bridge, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0256 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 31st August 1999 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)	822	3	385970 398450
15	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Beswick St/Holt Town Bridge, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982710 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 30th August 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	A9NW (SE)	822	3	385970 398450
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0044 Permit Version: 3 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 18th July 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	819	3	385200 399950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0044 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	819	3	385200 399950
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0044 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	819	3	385200 399950
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0045 Permit Version: 3 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 5th December 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	824	3	385170 399950
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0045 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	824	3	385170 399950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Moss Brook Court, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0045 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	824	3	385170 399950
17	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bromley St Sso, Bromley St, Near Railway Arch, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982627 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 Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A12NW (W)	819	3	384490 399395
17	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bromley St Sso, Bromley St, Near Railway Arch, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0310 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 Irk **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A12NW (W)	820	3	384490 399400
17	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bromley St/Dantzic St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0046 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	825	3	384470 399360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bromley St/Dantzic St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0046 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A12NW (W)	825	3	384470 399360
17	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Parlane St/Dantzic St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0061 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th October 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	825	3	384470 399360
18	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Gould St/Jason St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0047 Permit Version: 3 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 3rd December 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	828	3	384460 399340
18	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Gould St/Jason St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0047 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	828	3	384460 399340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Gould St/Jason St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0047 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A12NW (W)	828	3	384460 399340
18	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Roger St/Hargreaves St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0059 Permit Version: 3 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 Irk **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	844	3	384440 399330
18	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Roger St/Hargreaves St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0059 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	844	3	384440 399330
18	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lord St & Red Bank, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0062 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th October 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	844	3	384440 399330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Roger St/Hargreaves St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0059 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	844	3	384440 399330
19	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ashton New Rd(M Sewer), Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0195 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	A9NE (SE)	854	3	386040 398480
19	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Agar St, Holt Town, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0258 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	A9NE (SE)	865	3	386070 398500
20	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Rd/Collyhurst, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993740 Permit Version: 1 Effective Date: 11th July 2005 Issued Date: 11th July 2005 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: The River Irk **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	A17NE (NW)	857	3	384910 399890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Rd/Collyhurst, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01MAN0150 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 10th July 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A18NE (N)	879	3	385330 400020
22	**Discharge Consents** Operator: Csa Industries Ltd Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Roadway Swo Rear Building Unit 1, Holt Town, Ancoats, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991184 Permit Version: 1 Effective Date: 1st November 1994 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	A9NE (SE)	889	3	386100 398500
22	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Philip Park Rd, Rusholm, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982726 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 30th August 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	A9NE (SE)	927	3	386139 398490
22	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Philip Park Rd, Rusholm, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0298 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 31st August 1999 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	A9NE (SE)	928	3	386140 398490

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Off Hillkirk Street Cso, Bradford, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982726 Permit Version: 2 Effective Date: 31st August 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	A9NE (SE)	930	3	386150 398500
23	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Colyhurst/Fitzgeorg St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0043 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 15th December 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	918	3	385030 400010
23	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Colyhurst/Fitzgeorg St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0043 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: Moston Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	918	3	385030 400010
24	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Mill Street, Bradford, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0320 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	A9NE (SE)	927	3	386190 398570

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Mill Street, Bradford, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982733 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	A9NE (SE)	929	3	386190 398565
25	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale/Collyhurst Road Cso, ., Manchester, Greater Manchester, M40 8jr Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0050 Permit Version: 2 Effective Date: 1st April 2010 Issued Date: 1st April 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18NE (N)	947	3	385450 400080
25	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale/Collyhurst Road Cso, ., Manchester, Greater Manchester, M40 8jr Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0050 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 31st March 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A18NE (N)	947	3	385450 400080
25	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Rd/Eggington, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0058 Permit Version: 3 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: Moston Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A23SE (N)	965	3	385430 400100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Rd/Eggington, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0058 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A23SE (N)	965	3	385430 400100
25	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Rochdale Rd/Eggington, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0058 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Moston Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A23SE (N)	965	3	385430 400100
26	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Work 6/Work 5 Sewer Const, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0321 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 Irk **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	950	3	385910 399890
27	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (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	A8SW (S)	962	3	384990 398100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ashford St/Brewin St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0006 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 31st August 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Unknown **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	979	3	386110 398370
28	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ashford St/Brewin St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0006 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	979	3	386110 398370
29	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (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	A9SW (SE)	987	3	385980 398240
30	**Integrated Pollution Controls** Name: Degussa Ltd Location: Manox House, Coleshill Street, Manchester, Greater Manchester, M40 7aa Authority: Environment Agency, North West Region Permit Reference: BC9682 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (A) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	845	3	386176 399365
30	**Integrated Pollution Controls** Name: Degussa Ltd Location: Manox House, Coleshill Street, Manchester, Greater Manchester, M40 7aa Authority: Environment Agency, North West Region Permit Reference: AO1292 Dated: 31st January 1995 Process Type: IPC new application Description: 4.5 A (A) Inorganic Chemical processes within the Chemical Industry **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	845	3	386176 399365

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**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	A13SW (SW)	285	4	385157 398771
32	**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	A8NW (SW)	354	4	385134 398704
33	**Local Authority Pollution Prevention and Controls** Name: 21st Century Garages Location: 271 Oldham Road, Miles Platting, MANCHESTER, Lancashire, M10 7PS Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/50/98 Dated: 23rd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	501	4	385587 399568
34	**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	A9NW (SE)	557	4	385739 398598
35	**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	A7NE (SW)	644	4	384738 398694
36	**Local Authority Pollution Prevention and Controls** Name: Manchester Tobacco Ltd Location: Ludgate Hill, MANCHESTER, Lancashire, M4 4DA Authority: Manchester City Council, Environmental Health Department Permit Reference: Not Given Dated: 18th April 1996 Process Type: Local Authority Air Pollution Control Description: PG6/36 Tobacco processing **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	696	4	384562 399203
37	**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	A8SW (S)	837	4	385100 398195

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	**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	A8SW (S)	846	4	385051 398201
37	**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	A8SW (S)	869	4	385024 398187
38	**Local Authority Pollution Prevention and Controls** Name: Tan Yard Metal Ltd Location: Hargreaves Street, Cheetham, Manchester, Lancashire, M4 4ej Authority: Manchester City Council, Environmental Health Department Permit Reference: 27/92 Dated: 18th September 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	A17SW (NW)	854	4	384490 399479
39	**Local Authority Pollution Prevention and Controls** Name: Tarmac Central Ltd Location: Queens Road, Miles Platting, MANCHESTER, Lancashire, M10 8AU Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/01/04/AW Dated: 12th August 1992 Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	859	4	385698 399915
40	**Local Authority Pollution Prevention and Controls** Name: Packaging Products (Coatings) Ltd Location: P O Box 2, Collyhurst Road, MANCHESTER, Lancashire, M40 7RX Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/02/06/RM Dated: 7th February 1996 Process Type: Local Authority Air Pollution Control Description: PG6/42 Bitumen and tar processes **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	866	4	384906 399899
41	**Local Authority Pollution Prevention and Controls** Name: New Mix Concrete Location: Roger Street, Cheetham, MANCHESTER, Lancashire, M4 4EN Authority: Manchester City Council, Environmental Health Department Permit Reference: 19/92 Dated: 28th May 1992 Process Type: Local Authority Air Pollution Control Description: PG3/10 China and ball clay **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	881	4	384410 399359
41	**Local Authority Pollution Prevention and Controls** Name: Place Mix Ltd Location: Hargreaves Street, Cheetham , MANCHESTER, M4 4EJ Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/100/00 Dated: 28th February 2000 Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	885	4	384417 399390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	**Local Authority Pollution Prevention and Controls** Name: Place Mix Ltd Location: Hargreaves Street, Cheetham , MANCHESTER, M4 4EJ Authority: Manchester City Council, Environmental Health Department Permit Reference: 20/92 Dated: 2nd June 1992 Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	885	4	384417 399390
42	**Local Authority Pollution Prevention and Controls** Name: Avis Rent A Car Ltd Location: Chase Street, Redbank, Cheetham Hill, MANCHESTER, Greater Manchester, M4 4FL Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/36/93 Dated: 22nd April 1994 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	887	4	384440 399453
43	**Local Authority Pollution Prevention and Controls** Name: Duo Plastics Ltd Location: Vickers Street, Manchester, Lancashire, M10 8fa Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/21/05/AW Dated: 21st June 1993 Process Type: Local Authority Air Pollution Control Description: PG6/17 Printing of flexible packaging **Status: Authorised** Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	914	4	386171 399545
44	**Local Authority Pollution Prevention and Controls** Name: Hmg Paints Ltd Location: Riverside Works, Collyhurst Road, Collyhurst, Manchester, Lancashire, M10 7ru Authority: Manchester City Council, Environmental Health Department Permit Reference: 46/93 Dated: 6th August 1993 Process Type: Local Authority Air Pollution Control Description: PG6/10 Coating manufacturing **Status: Authorised** Positional Accuracy: Located by supplier to within 10m	A17NE (N)	978	4	384964 400050
44	**Local Authority Pollution Prevention and Controls** Name: Hmg Paints Ltd Location: Riverside Works, Collyhurst Road, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/27/05/AW Dated: 6th August 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/44 Manufacture of coating materials **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	994	4	384995 400078
45	**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	A13SW (SW)	285	4	385157 398771
46	**Local Authority Pollution Prevention and Control Enforcements** Location: Vickers Street, Manchester, Lancashire, M40 8pu Type: Air Pollution Control Enforcement Notice Reference: 42/93 Date Issued: 24th December 1996 Enforcement Date: Not Supplied Details: Empty Containers Often Stored Without Lids Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	908	4	386179 399519
	Nearest Surface Water Feature	A13SE (SE)	157	-	385480 398902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	**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	A13SE (S)	207	3	385400 398800
48	**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	A9NW (SE)	455	3	385700 398700
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	A8NW (SW)	461	3	385100 398600
50	**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	A8NW (SW)	514	3	385001 398601
51	**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	A8NE (S)	523	3	385500 398500
52	**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	A8NW (SW)	596	3	385001 398501

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	**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	A8NW (SW)	601	3	385001 398496
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 - 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	A8NE (S)	619	3	385500 398400
54	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Treated Effluent Note: River Irk Incident Date: 3rd February 1993 Incident Reference: 93610156 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	647	3	385001 399701
55	**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	A8NE (S)	652	3	385600 398400
56	**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: Moston Bk; Crude Sewage Incident Date: 5th March 1996 Incident Reference: 96610411 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	671	3	385200 399800
57	**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	A8SE (S)	700	3	385400 398300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Irk, Collyhurst Street, MANCHESTER Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: Lots Of Foam Incident Date: 29th March 1998 Incident Reference: SO980538 Catchment Area: Irk Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	751	3	384700 399600
59	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Waste Oil Note: River Irk; Oil Incident Date: 17th April 1996 Incident Reference: 96610800 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	811	3	384500 399400
60	**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: 10th January 1995 Incident Reference: 95630037 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	A9NE (SE)	811	3	386000 398500
61	**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 Irk; Sewage Incident Date: 12th January 1996 Incident Reference: 96610064 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	823	3	384700 399700
62	**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 - Foam Note: Not Supplied Incident Date: 28th October 1995 Incident Reference: 95612652 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	875	3	384400 399300
63	**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 - Foam Note: River Medlock Incident Date: 23rd January 1995 Incident Reference: 95630101 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	A9NE (SE)	889	3	386100 398500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**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	A8SW (S)	898	3	385300 398100
65	**Pollution Incidents to Controlled Waters** Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Unknown Incident Date: 9th February 1994 Incident Reference: 94610262 Catchment Area: Irk Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	913	3	385006 399996
65	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Not Given Note: Not Supplied Incident Date: 19th March 1992 Incident Reference: 92610464 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	914	3	385001 399996
65	**Pollution Incidents to Controlled Waters** Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Found Incident Date: 9th February 1994 Incident Reference: 94620262 Catchment Area: Irk Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	917	3	385006 400001
65	**Pollution Incidents to Controlled Waters** Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: River Irk Incident Date: 27th October 1994 Incident Reference: 94612365 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	919	3	385001 400001
66	**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	A7SE (SW)	958	3	384800 398200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	**Pollution Incidents to Controlled Waters** Property Type: Abandoned mine Location: Irk, Collyhurst Road, WINSFORD Authority: Environment Agency, North West Region Pollutant: Mining Water Note: Smelly And Yellow Incident Date: 17th March 1998 Incident Reference: SO980488 Catchment Area: Irk Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	959	3	384901 400001
68	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: River Medlock; Silt Incident Date: 16th January 1996 Incident Reference: 96630091 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	A9NE (SE)	972	3	386200 398500
69	**Prosecutions Relating to Authorised Processes** Location: 21-23 Honey Street, Cheetham Hill, Manchester, M8 8rg Prosecution Text: 150 Cubic Metres Of Demolition Waste Found Depositedon Land Without Wml Prosecution Act: Epa90 S33(1)(B) & S33(6) Hearing Date: 14th October 2002 Verdict: Guilty Fine: 8000 Costs: 875 Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	932	3	384510 399656
70	**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	A13SW (W)	248	3	385022 398985
71	**Registered Radioactive Substances** Name: Brooke Edgley Specialist Technical Services Ltd Location: Unit 4, Angel Industrial Estate, Angel Street, MANCHESTER, M4 4BQ Authority: Environment Agency, North West Region Permit Reference: Bi9880 Dated: 7th August 2000 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA in respect of a registration under S7 when Technetium 99M is used being =< 10 gigabecquerels **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	793	3	384457 399030
	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	A13SE (SE)	249	3	385530 398823

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Irk GQA Grade: River Quality E Reach: Moston Bk To Irwell Estimated Distance (km): 1.7 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	A17SE (NW)	630	3	384814 399544
	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	A9NW (SE)	642	3	385827 398562
	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	A7NE (SW)	680	3	384915 398458
	River Quality Name: Irk GQA Grade: River Quality E Reach: Wince Bk To Moston Bk Estimated Distance (km): 10.3 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	A18NW (N)	842	3	385005 399919
	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	A7SE (SW)	907	3	384859 398224
72	**River Quality Biology Sampling Points** Name: Irk Reach: Moston Brook To Irwell Estimated Distance: 1.70 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade F - Bad Year: 1995 GQA Grade: River Quality Biology GQA Grade F - Bad Year: 2000 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2002 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2003 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2004 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2005 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2006 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2007 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2008 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2009 GQA Grade: River Quality Biology GQA Grade E - Poor	A17NE (NW)	879	3	384900 399910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**River Quality Chemistry Sampling Points** Name: Irk Reach: Moston Brook To Irwell Estimated Distance: 1.70 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 E - Poor Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade E - Poor Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade E - Poor 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 C - Fairly Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade C - Fairly 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 D - Fair Compliance: Not Supplied	A12NW (W)	841	3	384445 399335
74	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 10th April 2002 Incident Reference: 70537 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material Pollutant: Specific Waste Materials: Household Waste	A17SW (NW)	885	3	384599 399688
75	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 10th December 2012 Incident Reference: 1066931 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Asbestos Waste Pollutant: Specific Waste Materials: Commercial Waste Pollutant: Specific Waste Materials: Household Waste Pollutant: Specific Waste Materials: Tyres	A17SW (NW)	915	3	384412 399459

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 12th September 2008 Incident Reference: 620850 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Dust Pollutant: Atmospheric Pollutants And Effects: Effects On Humans Pollutant: Atmospheric Pollutants And Effects: Smoke	A17SW (NW)	940	3	384490 399643
77	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 27th September 2001 Incident Reference: 33323 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals : Solvent Based	A17SW (NW)	952	3	384519 399698
78	**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	A14SW (SE)	564	3	385900 398800
78	**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	A14SW (SE)	566	3	385900 398795
	Water Abstractions Operator: Packaging Products (Coatings) Ltd Licence Number: 2569005015 Permit Version: 102 Location: B/Hole, Little Green Works, Collyhurst Rd, Manchester 10 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Little Green Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th February 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1013	3	385000 400100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Packaging Products Ltd Licence Number: 2569005015 Permit Version: 101 Location: B/Hole, Little Green Works, Collyhurst Rd, Manchester 10 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Little Green Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th October 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1013	3	385000 400100
	Water Abstractions Operator: Packaging Products Ltd Licence Number: 2569005015 Permit Version: 100 Location: B/Hole, Little Green Works, Collyhurst Rd, Manchester 10 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): 1637 Yearly Rate (m3): 438689 Details: Premises At Little Green Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st February 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1013	3	385001 400101
	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	A16SE (NW)	1302	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	A16SE (NW)	1302	3	384100 399700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Hanson Quarry Products Europe Limited Licence Number: 2569005061 Permit Version: 3 Location: Borehole At Norton Street, Miles Platting, Manchester Authority: Environment Agency, North West Region Abstraction: Construction: 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: At Norton Street, Miles Platting Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20NW (NE)	1364	3	386550 399790
	Water Abstractions Operator: Hanson Quarry Products Europe Ltd Licence Number: 2569005061 Permit Version: 2 Location: Borehole At Norton Street, Miles Platting, Manchester Authority: Environment Agency, North West Region Abstraction: Construction: 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: At Norton Street, Miles Platting Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st July 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A20NW (NE)	1364	3	386550 399790
	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	A11NW (W)	1408	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	A11NW (W)	1408	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: 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	A11NW (W)	1408	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	A11NW (W)	1408	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: 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	A11NW (W)	1408	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	A11NW (W)	1408	3	383850 399250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: V H E Construction Limited Licence Number: 2569006040 Permit Version: Not Supplied Location: The River, Medlock, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Dust Suppression Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 20 Yearly Rate (m3): 2000 Details: Licence Status: Lapsed 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	A15NE (E)	1419	3	386800 399100
	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	A11NW (W)	1425	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	A11NW (W)	1425	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: 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	A11NW (W)	1425	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 (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	A11NW (W)	1425	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	A11NW (W)	1425	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	A11NW (W)	1425	3	383830 399220
	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	A11NW (W)	1432	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: 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	A11NW (W)	1432	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	A11NW (W)	1432	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	A11NW (W)	1432	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: 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	A11NW (W)	1432	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: 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	A11NW (W)	1432	3	383820 399190
	Water Abstractions Operator: City Of Manchester Licence Number: 2569005038 Permit Version: Not Supplied Location: River Irk, Collyhurst, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 546 Yearly Rate (m3): 93557 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	A23NW (N)	1459	3	385300 400600
	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	A3SW (S)	1461	3	385240 397540
	Water Abstractions Operator: Lancashire Dairies Ltd Licence Number: 2569004021 Permit Version: 100 Location: Borehole At Premises, Derby Street, Cheetham, Manchester Authority: Environment Agency, North West Region Abstraction: Dairies: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 436 Yearly Rate (m3): 159110 Details: Premises At Derby St,Cheetham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1525	3	383900 399800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lancashire Dairies Ltd Licence Number: 2569004021 Permit Version: 100 Location: Borehole At Premises, Derby Street, Cheetham, Manchester Authority: Environment Agency, North West Region Abstraction: Dairies: General Cooling (Existing Licences Only) (Low 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 Derby St,Cheetham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1525	3	383900 399800
	Water Abstractions Operator: British Waterways Board Licence Number: 2569006030 Permit Version: Not Supplied Location: Location Description Not Available 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	A15SE (E)	1534	3	386900 398800
	Water Abstractions Operator: British Waterways Board Licence Number: 2569006992 Permit Version: Not Supplied Location: Ashton Canal, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Drinking; Cooking; Sanitary; Washing For Industrial Premises Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 0 Yearly Rate (m3): 1136500 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	A15SE (E)	1535	3	386900 398795
	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	A1NE (SW)	1579	3	384100 398000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A2NW (SW)	1583	3	384378 397733
	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	A2NW (SW)	1583	3	384378 397733
	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	A6NW (W)	1596	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	A6NW (W)	1596	3	383700 398700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: City Of Manchester Licence Number: 2569005031 Permit Version: Not Supplied Location: Borehole, Collyhurst, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 364 Yearly Rate (m3): 124742 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	(N)	1664	3	385200 400800
	Water Abstractions Operator: Cochrane & Gibbs Ltd Licence Number: 2569006022 Permit Version: Not Supplied Location: Rochdale Canal, Bower Street, Newton Heath, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 773 Yearly Rate (m3): 168202 Details: Additional Purpose: Boiler feed; 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	A20NE (NE)	1774	3	386901 400001
	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	A1SE (SW)	1786	3	384100 397700
	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	A13SE (SW)	0	3	385323 399069
	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	A13SE (SW)	0	3	385323 399069
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (SW)	0	2	385323 399069
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (SW)	0	2	385323 399069
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Water Storage Areas None				
	Flood Defences None				
79	**Detailed River Network Lines** River Type: Canal River Name: Rochdale Canal Hydrographic Area: B11 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	A13SE (SE)	162	3	385489 398904
80	**Detailed River Network Lines** River Type: Underground River (inferred) River Name: Newton Brook Hydrographic Area: B11 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13SE (E)	250	3	385629 398975
81	**Detailed River Network Lines** River Type: Underground River (inferred) River Name: Shooters Brook Upstream Hydrographic Area: B11 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A13SE (SE)	385	3	385646 398745
82	**Detailed River Network Lines** River Type: Underground River (inferred) River Name: Shooters Brook Upstream Hydrographic Area: B11 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Other Rivers Water Course Name: Not Supplied Water Course Reference: Not Supplied	A14SW (SE)	411	3	385712 398780
83	**Detailed River Network Offline Drainage** River Type: Canal Hydrographic Area: D011	A14NW (E)	377	3	385757 399075
84	**Detailed River Network Offline Drainage** River Type: Canal Hydrographic Area: D011	A14NW (E)	485	3	385853 399178

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	**BGS Recorded Landfill Sites** Site Name: H Evans Ltd Location: Queens Rd Tip, Cheetham, MANCHESTER, Gt Manchester Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A17NE (NW)	903	-	384779 399860
86	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Collyhurst, Greater Manchester Name: Sand Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16471 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F027	A18SW (NW)	600	3	385057 399677
87	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Collyhurst, Manchester, Greater Manchester Name: Land at Fitzgeorge Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD18073 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F031	A18NW (N)	745	3	385291 399886
88	**Historical Landfill Sites** Licence Holder: Manchester City Council Location: Cheetham, Manchester, Greater Manchester Name: Queens Road Tip - Land to South of Queens Road and North of Collingham Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16452 First Input Date: 31st December 1955 Last Input Date: 31st December 1970 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9728 BGS Ref: 848 Other Ref: F005,RD/LIC/241/82	A17SE (NW)	876	3	384655 399732
89	**Historical Landfill Sites** Licence Holder: Regional Surveyore (North West Gas) Location: Greater Manchester Name: Bradford Road - Cambrian Street Depot Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16501 First Input Date: 31st December 1985 Last Input Date: 31st December 1990 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9020 BGS Ref: Not Supplied Other Ref: F044, RD/LIC/381/84	A14SE (E)	893	3	386260 398857

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Greater Manchester Name: New Viaduct Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16497 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F045	A14SE (E)	931	3	386302 398879
91	**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	A12SE (W)	537	3	384771 398842
92	**Licensed Waste Management Facilities (Locations)** Licence Number: 50084 Location: Land/premises At, Dulwich Street, Collyhurst, Manchester, M4 4JJ Operator Name: Ryan John Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Transferred** Issued: 15th March 2002 Last Modified: 26th July 2004 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	665	3	384690 399449
93	**Licensed Waste Management Facilities (Locations)** Licence Number: 50461 Location: Land/premises At, Warford Street, Collyhurst, Manchester, M4 4DD Operator Name: Farlam Waste Management Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Modified** Issued: 20th February 2007 Last Modified: 12th November 2010 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	675	3	384650 399400
93	**Licensed Waste Management Facilities (Locations)** Licence Number: 50118 Location: Warford Street, Collyhurst, Manchester, M4 4JJ Operator Name: Farlam Properties Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Expired** Issued: 27th August 2002 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	A12NE (NW)	675	3	384650 399400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	**Licensed Waste Management Facilities (Locations)** Licence Number: 50069 Location: Upper Helena Street, Manchester, M40 7EQ Operator Name: Murray Mills Conservation Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Expired** Issued: 16th May 2001 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	A9NE (SE)	750	3	386000 398600
95	**Licensed Waste Management Facilities (Locations)** Licence Number: 50405 Location: 1 Cambrian Street, Ancoats, Manchester, M40 7EG Operator Name: Hurstfield Paul Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: End of Life Vehicles **Licence Status: Issued** Issued: 7th June 2005 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	A9NE (SE)	771	3	386084 398706
96	**Licensed Waste Management Facilities (Locations)** Licence Number: 53429 Location: Upper Helena Street, Manchester, M40 7EQ Operator Name: Race Dennis Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Sites (Mixed) **Licence Status: Surrendered** Issued: 18th November 1999 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 14th June 2004 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	829	3	386180 398798
97	**Licensed Waste Management Facilities (Locations)** Licence Number: 50017 Location: Hargreaves Street, Manchester, M4 4EJ Operator Name: Placemix Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Expired** Issued: 31st March 2000 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 100m	A12NW (W)	904	3	384400 399400
98	**Licensed Waste Management Facilities (Locations)** Licence Number: 53629 Location: Holt Town Ind Est, Holt Town, Manchester, M40 7FQ Operator Name: Mc Guinness & Co Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Special Waste Transfer Stations **Licence Status: Surrendered** Issued: 3rd November 1995 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 26th June 2002 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NE (E)	912	3	386236 398704

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	**Licensed Waste Management Facilities (Locations)** Licence Number: 50136 Location: 21-23 Honey Street, Collyhurst, Manchester, M8 8RG Operator Name: U K Skip Hire Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Transferred** Issued: 2nd January 2003 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	A17NW (NW)	920	3	384610 399750
100	**Licensed Waste Management Facilities (Locations)** Licence Number: 65243 Location: Red Bank, Cheetham Hill, Manchester, M8 Operator Name: Mel Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Mobile Plant **Licence Status: Surrendered** Issued: 17th April 2002 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th February 2007 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NE (W)	999	3	384300 399400
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	5	385323 399069
101	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13NE (NE)	175	-	385491 399229
102	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A18SW (N)	481	-	385301 399621
103	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A18SE (N)	524	-	385390 399661
104	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A9NW (SE)	579	-	385793 398617
105	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SW (NE)	619	-	385715 399622
106	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A18NW (N)	668	-	385095 399768
107	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14NE (NE)	737	-	386057 399378
108	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14SE (E)	772	-	386145 398907
109	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14SE (E)	788	-	386168 398960

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SE (NE)	807	-	386048 399543
111	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A18NW (N)	860	-	385178 399989
112	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1986	A17NE (NW)	884	-	384658 399746
113	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14NE (E)	972	-	386305 399379
114	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A15NW (E)	991	-	386358 399219
115	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SW (SW)	140	-	385165 398967
116	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (SW)	152	-	385204 398905
117	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (SE)	168	-	385497 398902
118	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (S)	187	-	385247 398832
119	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SW (SW)	226	-	385209 398808
120	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (E)	380	-	385763 399039
121	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A8NW (S)	398	-	385217 398618
122	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (E)	411	-	385793 399059
123	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (NE)	420	-	385629 399432
124	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8NW (SW)	479	-	385100 398580
125	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8NE (S)	497	-	385353 398501
126	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A8NW (S)	522	-	385150 398510
127	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A8NW (S)	549	-	385139 398485
128	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A8NW (S)	555	-	385134 398481

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (NE)	563	-	385889 399326
130	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	572	-	385301 399713
131	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	603	-	385883 399422
132	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	616	-	385131 399726
133	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (NW)	618	-	385003 399668
134	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	630	-	385103 399730
135	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A8SE (S)	638	-	385381 398361
136	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	656	-	385761 399631
137	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A8SE (S)	666	-	385419 398336
138	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	682	-	385912 399517
139	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12NW (W)	692	-	384558 399132
140	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	697	-	385692 399735
141	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SE (NW)	702	-	384850 399664
142	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	712	-	386083 398899
143	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SW (SW)	713	-	384983 398376
144	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NE (SE)	731	-	386028 398682
145	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SE (NW)	731	-	384804 399667
146	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18NW (N)	737	-	385170 399861
147	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A7SE (SW)	739	-	384915 398387
148	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18NW (N)	746	-	385261 399884
149	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A7NE (SW)	749	-	384851 398421

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A7SE (SW)	753	-	384965 398341
151	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A7NE (SW)	756	-	384841 398420
152	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	764	-	385872 399676
153	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	788	-	386124 398756
154	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	789	-	386093 399424
155	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8SE (S)	795	-	385357 398203
156	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A17SE (NW)	800	-	384646 399613
157	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A18NW (N)	820	-	385172 399947
158	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18NW (N)	826	-	385185 399955
159	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19NW (NE)	833	-	385729 399870
160	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NE (SE)	833	-	385998 398464
161	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18NW (N)	846	-	385290 399986
162	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8SW (S)	846	-	385172 398168
163	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A7SE (SW)	856	-	384839 398297
164	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17NE (NW)	865	-	384911 399900
165	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A14NE (E)	879	-	386214 399358
166	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8SW (S)	896	-	385116 398129
167	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A17SW (NW)	912	-	384466 399555
168	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19NW (NE)	913	-	385852 399887
169	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SW (NW)	916	-	384440 399517
170	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SW (S)	927	-	385090 398104

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NE (SE)	946	-	386219 398584
172	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A14SE (E)	957	-	386327 398872
173	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9SE (SE)	975	-	386110 398376
174	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17NE (NW)	989	-	384865 400017
175	**Registered Waste Transfer Sites** Licence Holder: Re-Can Ltd Licence Reference: 00943 Site Location: 245 Oldham Road, Miles Platting, Manchester, Greater Manchester 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 June 1995 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: Aluminium Cans & Foil Prohibited Waste: Waste N.O.S.	A18SE (NE)	382	3	385550 399450
176	**Registered Waste Transfer Sites** Licence Holder: Greater Manchester Police Licence Reference: 01049 Site Location: Collyhurst Vehicle Compound, Rochdale Road, Manchester, Greater Manchester Operator Location: Chester House, Boyer Street, STRETFORD, Greater Manchester, M16 0RE Authority: Environment Agency - North West Region, South Area Site Category: Transfer 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: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1994 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: Elect.Fittings/Fixtures/Appliances; Empty Used Containers; Gmwda Group 5 - As Part Of Vehicles; Scrap Mach'Y/Equip. - Ferrous/Non-Ferr Prohibited Waste: Explosive Waste; Items Contam.With Pcb'S; Liquid/Sludge Waste N.O.S.; Press'D Containers Or Waste Therein; Special Wastes N.O.S.; Waste N.O.S Whether/Not Pack./Pre-Trt; Waste Violently React With Water	A12NE (NW)	408	3	384900 399300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	**Registered Waste Transfer Sites** Licence Holder: British Gas Plc Licence Reference: 00977 Site Location: Gould Street, Manchester, Greater Manchester Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Licence Status: Site exempt from licenceExempt Dated: 1st June 1995 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: Licenced Wastes Not To Hand	A12NE (W)	560	3	384700 399200
178	**Registered Waste Transfer Sites** Licence Holder: D Warrender Licence Reference: Eawml50069 Site Location: Upper Helena Street, Manchester, Greater Manchester, M40 7eq Operator Location: Upper Helena Street, Manchester, Greater Manchester, M40 7eq Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 16th May 2001 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: Household/Commercial/Industrial Waste (Inferred From Regis Listing) New Licence, Wastes Not To Hand	A14SE (E)	809	3	386150 398770
179	**Registered Waste Transfer Sites** Licence Holder: Placemix Ltd Licence Reference: EAWML50017 Site Location: Hargreaves Street, MANCHESTER, Greater Manchester, M4 4EJ Operator Location: Hargreaves Street, MANCHESTER, Greater Manchester, M4 4EJ Authority: Environment Agency - North West Region, South Area Site Category: Transfer 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: 31st March 2000 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: Contaminated Soil Degradable Commercial Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.02) Degradable Household Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.01) Degradable Industrial Waste (As In Post'98 E.A.Lics & Equivalent To 22.09.03) Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00) - Comprising Maximum Storage In Licence Maximum Waste Permitted By Licence Metal Waste/Scrap Metal (As In Post'98 E.A.Lics And Equivalent To 23.00.00) Prohibited Waste: Liquid Wastes Other Waste/Waste Not Otherwise Specified Powders In Bulk Sludge Wastes Special Waste (As In Epa 1990:S62 Of 1996 Regs)	A17SW (NW)	843	3	384485 399445

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	**Registered Waste Transfer Sites** Licence Holder: P Mc Guiness & Co Ltd Licence Reference: 00775 Site Location: Holt Town, Manchester, Greater Manchester, M40 7fq 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: Operational as far as is knownOperational Dated: 1st November 1995 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Supplied Authorised Waste: Asbestos All Forms Max.Waste Permitted By Licence Prohibited Waste: Waste N.O.S.	A9NE (SE)	880	3	386200 398700
181	**Registered Waste Treatment or Disposal Sites** Licence Holder: D Race t/a D Race & Sons Licence Reference: 80007 Site Location: Upper Helena Street, Ancoats, MANCHESTER, Greater Manchester, M40 7EQ Operator Location: 7A Boat Lane, Northenden, MANCHESTER, Greater Manchester, M22 4HR 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: 18th November 1999 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Positioned by the supplier Boundary Quality: Good Authorised Waste: Maximum Waste Permitted By Licence Scrap Electrical Plant/Machinery Scrap Vehicles Uncontaminated Transformers/Capacitors Prohibited Waste: Other Waste/Waste Not Otherwise Specified Refrigerant Gases Special Waste (As In Epa 1990:S62 Of 1996 Regs) Not Otherwise Specified	A14SE (E)	792	3	386150 398832
182	**Registered Waste Treatment or Disposal Sites** Licence Holder: Degussa Ltd Manox Division Licence Reference: 00716/91 Site Location: Coleshill Street, Miles Platting, MANCHESTER, Greater Manchester, M10 7AA Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Treatment Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Site now IPC authorisedAuthorised Dated: 1st September 1992 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: Barium & Cpds Calcium & Cpds Cyanides - All Types Inorganic Acids Ph < 4.0 Max.Waste Permitted By Licence Potassium & Cpds Sodium & Cpds Prohibited Waste: Explosive Waste Malodorous Waste Pressurised Waste Violently Reactive Wastes Waste N.O.S.	A14NE (E)	815	3	386150 399350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Registered Waste Treatment or Disposal Sites				
183	Licence Holder: B Mitchell Licence Reference: 00873 Site Location: Upper Helena Street, Ancoats, Manchester, Greater Manchester Operator Location: 6 Mallard Close, HOLLINS, Greater Manchester, OL8 4LE Authority: Environment Agency - North West Region, South Area Site Category: Scrapyard - with Transfer Station Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1994 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: Asbestos Sheet/Piping - Comp./Bonded Gmwda Group 1 - Non/V.Slow Decomp.Wast Gmwda Group 2 - Slow Decomp./Slight So Gmwda Group 3 - Decomp./Sol.Waste = No Max.Waste Permitted By Licence Prohibited Waste: Explosive Waste Liquid Wastes Press'D Containers Or Waste Therein Sludge Wastes Special Wastes Waste In Drums Waste N.O.S Whether /Not Pack./Pre-Trt Waste Reacting Violently With Water	A14SE (E)	853	3	386200 398780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	**Control of Major Accident Hazards Sites (COMAH)** Name: Degussa Limited Location: Manox House, Coleshill Street, Manchester, M40 7AA Reference: 17545 Type: Upper Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Automatically positioned to the address	A14NE (E)	853	6	386181 399375
185	**Control of Major Accident Hazards Sites (COMAH)** Name: National Grid Gas Plc Location: Bradford Road Holder Station/Ngg Plc, Bradford Road, Miles Platting,Manchester, Greater Manchester, M10 7BL Reference: Not Supplied Type: Upper Tier **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	897	6	386276 398945
186	**Planning Hazardous Substance Consents** Name: Bg Transco Plc Location: Gleden Street, Bradford Road, MANCHESTER, Greater Manchester, M40 7 Authority: Manchester City Council, Planning Department Application Ref: 059225/Hsc/North2/00 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: 11th May 2000 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	905	5	386284 398945

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	A13SE (SW)	0	2	385323 399069
	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: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SW)	0	2	385323 399069
	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: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	52	2	385427 399105
	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: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	96	2	385216 398976
	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: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SE (W)	313	2	384958 398966
	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: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (E)	617	2	386000 399069
	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: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SE (E)	618	2	386000 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: 40 - 60 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	666	2	384757 399536
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	667	2	384815 399594
	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: 40 - 60 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NW (N)	669	2	385049 399750
	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: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A17SE (NW)	688	2	384686 399484
	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: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17SE (NW)	719	2	384809 399656
	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: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17SE (NW)	728	2	384657 399512

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: 200 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (W)	748	2	384500 399069
	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: 200 - 300 mg/kg Nickel Concentration: <15 mg/kg	A12NW (W)	783	2	384500 399317
	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: 200 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9NE (SE)	811	2	386000 398500
	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: 200 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17SW (NW)	818	2	384500 399418
	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: 200 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9SE (SE)	932	2	386000 398327
187	**BGS Recorded Mineral Sites** Site Name: St George'S Colliery Location: , Collyhurst, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 131312 Type: Underground **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	515	2	385300 399655

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	**BGS Recorded Mineral Sites** Site Name: St Georges Colliery Location: , Collyhurst, Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 15081 Type: Underground **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SW (N)	552	2	385290 399692
188	**BGS Recorded Mineral Sites** Site Name: Collyhurst Brick Field Location: , Collyhurst, Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 15082 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18NE (N)	651	2	385420 399785
189	**BGS Recorded Mineral Sites** Site Name: Collyhurst Location: , Collyhurst, Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 9502 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Permian Geology: Collyhurst Sandstone Formation (Lower Mottled Sandstone) Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	774	2	385005 399845
190	**BGS Recorded Mineral Sites** Site Name: Red Sand Delph Location: Collyhurst Road, Collyhurst, Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 17337 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Permian Geology: Collyhurst Sandstone Formation (Lower Mottled Sandstone) Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A18NW (N)	801	2	385100 399910
191	**BGS Recorded Mineral Sites** Site Name: Collyhurst Road Brickworks Location: Collyhurst Road, Collyhurst, Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 17339 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18NW (N)	911	2	385215 400045
192	**BGS Recorded Mineral Sites** Site Name: Collyhurst Location: , Collyhurst, Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 15080 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Worsley Delf Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A23SW (N)	991	2	385255 400130

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: 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: 153.20 mg/kg Nickel Measured Concentration: 19.80 mg/kg	A13SE (S)	157	2	385340 398840
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385210, 399340 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 30.70 mg/kg Cadmium Measured Concentration: 1.20 mg/kg Chromium Measured Concentration: 117.70 mg/kg Lead Measured Concentration: 110.50 mg/kg Nickel Measured Concentration: 67.20 mg/kg	A13NW (NW)	230	2	385210 399340
	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: 13.10 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 67.10 mg/kg Lead Measured Concentration: 69.30 mg/kg Nickel Measured Concentration: 19.70 mg/kg	A12SE (SW)	419	2	384910 398840
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384870, 399280 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 23.80 mg/kg Cadmium Measured Concentration: 1.60 mg/kg Chromium Measured Concentration: 78.20 mg/kg Lead Measured Concentration: 303.90 mg/kg Nickel Measured Concentration: 25.60 mg/kg	A12NE (NW)	425	2	384870 399280
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385810, 399190 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 27.80 mg/kg Cadmium Measured Concentration: 1.60 mg/kg Chromium Measured Concentration: 119.70 mg/kg Lead Measured Concentration: 352.70 mg/kg Nickel Measured Concentration: 36.00 mg/kg	A14NW (E)	445	2	385810 399190

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: 385740, 398700 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 20.50 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 88.30 mg/kg Lead Measured Concentration: 253.40 mg/kg Nickel Measured Concentration: 26.60 mg/kg	A9NW (SE)	483	2	385740 398700
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385260, 399760 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 16.20 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 77.20 mg/kg Lead Measured Concentration: 169.00 mg/kg Nickel Measured Concentration: 22.40 mg/kg	A18NW (N)	622	2	385260 399760
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384780, 399670 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 33.40 mg/kg Cadmium Measured Concentration: 2.00 mg/kg Chromium Measured Concentration: 93.40 mg/kg Lead Measured Concentration: 564.60 mg/kg Nickel Measured Concentration: 49.90 mg/kg	A17SE (NW)	748	2	384780 399670
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385840, 399740 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 17.00 mg/kg Cadmium Measured Concentration: 3.60 mg/kg Chromium Measured Concentration: 77.20 mg/kg Lead Measured Concentration: 143.30 mg/kg Nickel Measured Concentration: 27.70 mg/kg	A19SW (NE)	790	2	385840 399740
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 386110, 398680 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 63.30 mg/kg Cadmium Measured Concentration: 4.40 mg/kg Chromium Measured Concentration: 720.50 mg/kg Lead Measured Concentration: 2362.80 mg/kg Nickel Measured Concentration: 53.00 mg/kg	A9NE (SE)	805	2	386110 398680

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: 32.90 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 93.40 mg/kg Lead Measured Concentration: 438.40 mg/kg Nickel Measured Concentration: 37.30 mg/kg	A8SW (S)	819	2	385290 398180
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384410, 399180 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 19.40 mg/kg Cadmium Measured Concentration: 1.00 mg/kg Chromium Measured Concentration: 63.00 mg/kg Lead Measured Concentration: 254.00 mg/kg Nickel Measured Concentration: 24.90 mg/kg	A12NW (W)	844	2	384410 399180
	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: 17.60 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 109.60 mg/kg Lead Measured Concentration: 195.90 mg/kg Nickel Measured Concentration: 24.80 mg/kg	A9SW (SE)	861	2	385800 398270
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 386260, 399250 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 60.20 mg/kg Cadmium Measured Concentration: 1.20 mg/kg Chromium Measured Concentration: 94.40 mg/kg Lead Measured Concentration: 544.70 mg/kg Nickel Measured Concentration: 47.30 mg/kg	A14NE (E)	898	2	386260 399250
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384360, 398920 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 15.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 50.90 mg/kg Lead Measured Concentration: 198.50 mg/kg Nickel Measured Concentration: 17.70 mg/kg	A12SW (W)	904	2	384360 398920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: 20.00 mg/kg Lead Average Concentration: 270.00 mg/kg Lead Maximum Concentration: 2687.00 mg/kg Nickel Minimum Concentration: 5.00 mg/kg Nickel Average Concentration: 32.00 mg/kg Nickel Maximum Concentration: 137.00 mg/kg	A13SE (SW)	0	2	385323 399069
	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.	A13SE (SW)	0	7	385323 399069
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SW)	0	-	385323 399069
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (S)	0	-	385323 399000
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (S)	0	-	385323 399000
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	57	2	385432 399090
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	385323 399069
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	248	2	385000 399069
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	385323 399069
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	152	2	385485 399201
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	248	2	385000 399069
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	385323 399069

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	248	2	385000 399069
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	385323 399069
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	248	2	385000 399069
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	385323 399069
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	248	2	385000 399069
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	385323 399069
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	248	2	385000 399069
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	2	385323 399069
	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	A13SE (SW)	0	2	385323 399069

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
193	**Contemporary Trade Directory Entries** Name: Howarth Timber Location: 2, Glasshouse Street, Manchester, M4 5HD Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (W)	86	-	385163 399086
193	**Contemporary Trade Directory Entries** Name: Howarth Timber & Building Supplies Ltd Location: 2-4, Glasshouse Street, Manchester, M4 5HD Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	88	-	385161 399085
193	**Contemporary Trade Directory Entries** Name: Kays Joinery Location: 4, Clarion Street, Manchester, Lancashire, M4 5HE Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	124	-	385127 399115
194	**Contemporary Trade Directory Entries** Name: Cabrelli Brothers Ltd Location: 206, Oldham Road, Manchester, M4 6BQ Classification: Frozen Food Processors & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	108	-	385177 399006
195	**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	A13SW (SW)	156	-	385173 398936
195	**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	A13SW (SW)	160	-	385143 398965
195	**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	A13SW (SW)	160	-	385143 398965
195	**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	A13SW (SW)	161	-	385142 398964
195	**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	A13SW (SW)	161	-	385142 398964
195	**Contemporary Trade Directory Entries** Name: P-Tek Location: Unit 5, Crown Industrial Estate, Poland Street, Manchester, M4 6BN Classification: Vacuum Cleaners, Industrial & Commercial - Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	181	-	385124 398954
196	**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	A13SW (SW)	183	-	385157 398912
196	**Contemporary Trade Directory Entries** Name: House Ethnic Foods Location: Unit 10-12, Poland Industrial Estate, Manchester, M4 6AZ Classification: Food Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	189	-	385178 398878

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	**Contemporary Trade Directory Entries** Name: Manchester Steam Clean Location: Lloydfield Mill, Mellor Street, Manchester, M40 7JW Classification: Steam Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	218	-	385601 399034
198	**Contemporary Trade Directory Entries** Name: Figure Clothing Location: 342, Oldham Road, Manchester, M40 7NS Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	227	-	385486 399301
199	**Contemporary Trade Directory Entries** Name: D M Miller Ltd Location: Unit 5-6, George Leigh Street, MANCHESTER, M4 6BD Classification: Floorcoverings - Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	242	-	385142 398839
199	**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	A13SW (SW)	242	-	385142 398839
199	**Contemporary Trade Directory Entries** Name: Roy K Ross & Co Ltd Location: George Leigh Street, Manchester, M4 6BD Classification: Textile Manufacturing **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	242	-	385142 398839
199	**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	A13SW (SW)	276	-	385143 398792
200	**Contemporary Trade Directory Entries** Name: Easy Equipment Location: 66, Jersey Street, Manchester, M4 6JW Classification: Catering Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (S)	273	-	385235 398744
201	**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	A13SW (SW)	278	-	385068 398870
201	**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	A13SW (SW)	278	-	385068 398870
201	**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	A13SW (SW)	278	-	385068 398870
201	**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	A13SW (SW)	278	-	385068 398870
201	**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	A13SW (SW)	279	-	385074 398862

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
202	**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	A13SW (SW)	297	-	385182 398742
203	**Contemporary Trade Directory Entries** Name: Louth Volksworld Location: Northolme Road,Louth Trading Estate, Louth, Lincolnshire, LN11 0JQ Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	327	-	384985 398893
203	**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	A13SW (SW)	336	-	384980 398886
204	**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	A13SW (SW)	360	-	385056 398759
204	**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	A8NW (SW)	391	-	385042 398729
205	**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	A8NW (SW)	363	-	385093 398721
205	**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	A8NW (SW)	363	-	385093 398721
206	**Contemporary Trade Directory Entries** Name: F M C G Location: 39, Bengal Street, Manchester, M4 6AF Classification: Perfume Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	365	-	385019 398793
206	**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	A13SW (SW)	370	-	385015 398790
207	**Contemporary Trade Directory Entries** Name: Phoenix Mot & Services Location: New Allen St, Manchester, M40 7UR Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	380	-	385467 399494
207	**Contemporary Trade Directory Entries** Name: Phoenix Location: New Allen Street, Manchester, Greater Manchester, M40 7UR Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	380	-	385504 399477
207	**Contemporary Trade Directory Entries** Name: Bulldog Metals Ltd Location: 245, Oldham Road, Manchester, M40 7PT Classification: Scrap Metal Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	387	-	385505 399484

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
208	**Contemporary Trade Directory Entries** Name: Manchester Mobility Location: Unit 4, Trading Estate, Sudell Street, Manchester, M4 4JQ Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	413	-	384842 399156
208	**Contemporary Trade Directory Entries** Name: Smart Wheels Location: Unit 2, Trading Estate, Sudell Street, Manchester, M4 4JQ Classification: Alloys **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	431	-	384826 399169
208	**Contemporary Trade Directory Entries** Name: Decor8 Northern Ltd Location: Unit 1, Trading Estate, Sudell Street, Manchester, M4 4JQ Classification: Painting & Decorating Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	449	-	384803 399140
209	**Contemporary Trade Directory Entries** Name: Georgia Fashions Location: First Floor Suite 1.22, Waulk Mill, Bengal Street, Manchester, M4 6AQ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	433	-	385090 398638
210	**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	A12SE (SW)	438	-	384959 398753
211	**Contemporary Trade Directory Entries** Name: Radium Garage Location: 125, Rochdale Road, Manchester, M4 4HZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	449	-	384832 399255
211	**Contemporary Trade Directory Entries** Name: Paris Knitwear Manufacturing Ltd Location: 2, Peary Street, Manchester, M4 4JX Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	487	-	384805 399289
212	**Contemporary Trade Directory Entries** Name: Greenbrow Motors Location: 15-17, Birt Street, Manchester, M40 7UP Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	452	-	385548 399534
212	**Contemporary Trade Directory Entries** Name: Blacklock Garage Location: 15-17, Birt Street, Manchester, M40 7UP Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	452	-	385548 399534
213	**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	A12SE (SW)	489	-	384816 398859
214	**Contemporary Trade Directory Entries** Name: Kh Cleaning Contractors Location: 2,Suite 7,Kinbury Walk, Manchester, Lancashire, M40 7PF Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	494	-	385337 399635
215	**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	A8NW (SW)	494	-	385066 398582

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	**Contemporary Trade Directory Entries** Name: Compass Development Uk Ltd Location: 64, Oldham Road, Manchester, M4 5EE Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	495	-	384837 398812
216	**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	A12SE (SW)	508	-	384827 398804
216	**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	A12SE (SW)	531	-	384807 398792
217	**Contemporary Trade Directory Entries** Name: Thermoguard Ltd Location: 275, Oldham Road, Manchester, M40 7PS Classification: Paint Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	521	-	385597 399586
218	**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	A9NW (SE)	531	-	385783 398676
218	**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	A9NW (SE)	531	-	385783 398676
218	**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	A9NW (SE)	531	-	385783 398676
219	**Contemporary Trade Directory Entries** Name: A1 Tyres M C R Location: 87, Rochdale Road, Manchester, M4 4HY Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	538	-	384711 399117
219	**Contemporary Trade Directory Entries** Name: A1 Tyres Location: 87, Rochdale Road, Manchester, M4 4HY Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	538	-	384711 399117
219	**Contemporary Trade Directory Entries** Name: Nationwide Vehicle Deliveries Ltd Location: 87a, Rochdale Road, Manchester, M4 4HY Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	538	-	384711 399117
219	**Contemporary Trade Directory Entries** Name: Perfect Auto Repairs Location: 87, Rochdale Road, Manchester, M4 4HY Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	538	-	384711 399116
219	**Contemporary Trade Directory Entries** Name: Euro-Impex Trading Location: A, 87, Rochdale Road, Manchester, M4 4HY Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	538	-	384711 399117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
219	**Contemporary Trade Directory Entries** Name: Treat Yourselves Location: 87, Rochdale Road, Manchester, M4 4HY Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	538	-	384711 399117
220	**Contemporary Trade Directory Entries** Name: J Smith (Waste) Co Location: Bilbrook Street, Manchester, M4 4JE Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	541	-	384750 399299
220	**Contemporary Trade Directory Entries** Name: Rutzler Filter Europe Ltd Location: 1, Burstock Street, Manchester, M4 4JB Classification: Filtration Systems & Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	570	-	384739 399341
220	**Contemporary Trade Directory Entries** Name: Worthington Nicholls Ltd Location: 1, Burstock Street, Manchester, M4 4JB Classification: Air Conditioning Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	570	-	384739 399341
221	**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	A9NW (SE)	544	-	385718 398596
221	**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	A9NW (SE)	544	-	385718 398596
221	**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	A9NW (SE)	544	-	385718 398596
221	**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	A9NW (SE)	544	-	385717 398596
222	**Contemporary Trade Directory Entries** Name: B N B Wholesale Ltd Location: 10 Missouri Avenue, Manchester, Greater Manchester, M4 4EJ Classification: Soft Furnishings - Manufacturers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A8NE (SE)	545	-	385614 398528
223	**Contemporary Trade Directory Entries** Name: Dreamtex Location: Brunswick Mill, Bradford Road, Manchester, Lancashire, M40 7EZ Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	566	-	385856 398714
223	**Contemporary Trade Directory Entries** Name: New Life Windows Location: Brunswick Mill, Bradford Road, Manchester, Lancashire, M40 7EZ Classification: PVC-U Products - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	566	-	385856 398714
223	**Contemporary Trade Directory Entries** Name: J K Halpern Location: Brunswick Mill, Bradford Road, Manchester, Lancashire, M40 7EZ Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	566	-	385856 398714

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
224	**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	A7NE (SW)	573	-	384858 398662
224	**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	A7NE (SW)	573	-	384858 398662
225	**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	A12SE (SW)	576	-	384754 398792
225	**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	A12SE (SW)	579	-	384737 398814
225	**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	A12SE (SW)	579	-	384737 398814
225	**Contemporary Trade Directory Entries** Name: Trade N Save Location: 27-31 Oldham Rd, Manchester, Lancashire, M4 5FG Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	580	-	384737 398814
225	**Contemporary Trade Directory Entries** Name: Saira Of Manchester Ltd Location: 4 Addington st, Manchester, Greater Manchester, M4 5FQ Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	627	-	384694 398794
226	**Contemporary Trade Directory Entries** Name: Notorious Location: Bradford Rd, Manchester, Lancashire, M40 7EZ Classification: T-Shirts **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	579	-	385921 398812
226	**Contemporary Trade Directory Entries** Name: Northwest Auto Care Location: 12, Bradford Road, Manchester, M40 7EZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	590	-	385929 398803
226	**Contemporary Trade Directory Entries** Name: J J Plastics Location: 12a, Bradford Road, Manchester, M40 7EZ Classification: Recycling Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	593	-	385925 398785
227	**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	A12SE (W)	581	-	384704 398885
228	**Contemporary Trade Directory Entries** Name: Quality Chair Frames Location: 38, Dalton Street, Manchester, M4 4JN Classification: Furniture - Repairing & Restoring **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	581	-	384841 399501

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
229	**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	A8NE (S)	592	-	385480 398423
230	**Contemporary Trade Directory Entries** Name: Northern Fires Location: 3-9, Gould Street, Manchester, Lancashire, M4 4BY Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	594	-	384654 399091
231	**Contemporary Trade Directory Entries** Name: Best Knitwear Ltd Location: 24-28, George Leigh Street, Manchester, M4 5DQ Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	600	-	384809 398678
231	**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	A7NE (SW)	600	-	384809 398678
231	**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	A7NE (SW)	600	-	384809 398678
231	**Contemporary Trade Directory Entries** Name: V A Clean Location: 46, Henry Street, Manchester, M4 5DD Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	623	-	384813 398637
232	**Contemporary Trade Directory Entries** Name: Hindle Location: 13, Talgarth Road, Manchester, M40 7QA Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	606	-	385322 399747
233	**Contemporary Trade Directory Entries** Name: Mantree Designs Location: Wellington House, Pollard Street East, Manchester, M40 7FS Classification: Cabinet Makers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	613	-	385872 398656
233	**Contemporary Trade Directory Entries** Name: Fibre Glass Technology Location: Wellington House, Pollard Street East, Manchester, M40 7FS Classification: Glass Fibre Moulding, Materials & Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	613	-	385872 398656
233	**Contemporary Trade Directory Entries** Name: Castle Garments Location: Wellington House, Pollard Street East, Manchester, M40 7FS Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	613	-	385872 398656
233	**Contemporary Trade Directory Entries** Name: Flying T-Shirts Location: Wellington House, Pollard Street East, Manchester, Lancashire, M40 7FS Classification: T-Shirts **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	613	-	385872 398656
233	**Contemporary Trade Directory Entries** Name: Bsh Transit Cases Location: Wellington House, Pollard Street East, Manchester, Lancashire, M40 7FS Classification: Case Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	613	-	385872 398656

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	**Contemporary Trade Directory Entries** Name: Bcm Services Ltd Location: Unit 4,Wellington House,Pollard St East, Manchester, Lancashire, M40 7FS Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	613	-	385872 398656
233	**Contemporary Trade Directory Entries** Name: Ace Cutting Services Location: Pollard St East, Manchester, Lancashire, M40 7FS Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	648	-	385894 398628
234	**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	A7NE (SW)	616	-	384859 398594
234	**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	A7NE (SW)	616	-	384859 398594
234	**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	A7NE (SW)	616	-	384859 398594
234	**Contemporary Trade Directory Entries** Name: Miroil Uk Ltd Location: 13, Blossom Street, Manchester, M4 5AF Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	628	-	384820 398622
234	**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	A7NE (SW)	657	-	384822 398574
235	**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	A12SW (W)	637	-	384637 398909
235	**Contemporary Trade Directory Entries** Name: New Fashion Location: 32, Mason Street, Manchester, M4 5EY Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	637	-	384637 398909
235	**Contemporary Trade Directory Entries** Name: Fax Tip Ltd Location: 32, Mason Street, Manchester, M4 5EY Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	637	-	384637 398909
235	**Contemporary Trade Directory Entries** Name: Usman Fashions M C R Ltd Location: 32, Mason Street, Manchester, M4 5EY Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	638	-	384636 398909
235	**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	A12SW (W)	648	-	384629 398898

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
235	**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	A12SW (W)	648	-	384629 398898
235	**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	A12SW (W)	648	-	384629 398898
235	**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	A12SW (W)	648	-	384629 398898
235	**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	A12SW (W)	649	-	384628 398898
235	**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	A12SW (W)	663	-	384625 398864
236	**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	A8NE (SE)	637	-	385605 398419
236	**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	A8SE (SE)	673	-	385626 398389
236	**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	A8SE (SE)	679	-	385632 398386
237	**Contemporary Trade Directory Entries** Name: Blackjack Beers Ltd Location: 36 Gould Street, Manchester, Greater Manchester, M4 4RN Classification: Brewers **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	642	-	384613 399181
238	**Contemporary Trade Directory Entries** Name: Direct Door Stores Ltd Location: Vauxhall Works, Vauxhall Street, Manchester, M40 7RZ Classification: Door Manufacturers - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	642	-	384976 399679
239	**Contemporary Trade Directory Entries** Name: Air Liquide (Uk) Ltd Location: 15, Pollard Street East, Manchester, M40 7FT Classification: Gas - Industrial & Medical Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	647	-	385933 398686
239	**Contemporary Trade Directory Entries** Name: Air Liquide Uk Ltd Location: 15, Pollard Street East, Manchester, Lancashire, M40 7FT Classification: Gas - Industrial & Medical Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	647	-	385933 398686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
239	**Contemporary Trade Directory Entries** Name: Air Liquide Uk Ltd Location: 15 Pollard St East, Manchester, Lancashire, M40 7FS Classification: Gas - Industrial & Medical Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	649	-	385936 398687
239	**Contemporary Trade Directory Entries** Name: Talal Location: Wallington Mill,Pollard St East, Manchester, M40 7FS Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	655	-	385930 398666
239	**Contemporary Trade Directory Entries** Name: A Maffei & Sons Location: Pollard Street East, Manchester, M40 7FS Classification: Tool Sharpening, Repairing & Servicing **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	686	-	385975 398679
240	**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	A8SW (S)	647	-	385184 398369
241	**Contemporary Trade Directory Entries** Name: Express Wholesale (Diy) Ltd Location: Pollard St, Manchester, M4 7JB Classification: Hardware **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	652	-	385806 398530
242	**Contemporary Trade Directory Entries** Name: Serious Clean Location: 5 Luna Street, Manchester, Greater Manchester, M4 5LX Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	653	-	384736 398683
243	**Contemporary Trade Directory Entries** Name: Currys P C World Location: Unit 2a Central Retail Park,Great Ancoats Street, Manchester, Greater Manchester, M4 5AE Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	659	-	385232 398347
244	**Contemporary Trade Directory Entries** Name: J J Blackledge (Manchester) Ltd Location: 16, Sharp Street, Manchester, M4 4BZ Classification: Leather Garments & Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	660	-	384589 399073
245	**Contemporary Trade Directory Entries** Name: Paramount Belts Location: 305-311, Oldham Road, Manchester, M40 7PS Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	660	-	385681 399697
245	**Contemporary Trade Directory Entries** Name: Paramount Belts Location: 305-311, Oldham Road, Manchester, M40 7PS Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	660	-	385681 399697
245	**Contemporary Trade Directory Entries** Name: Ladies Fashion Belts Location: 305-311, Oldham Road, Manchester, M40 7PS Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	660	-	385681 399697

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
246	**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	A7NE (SW)	660	-	384915 398483
246	**Contemporary Trade Directory Entries** Name: Printing.Com Location: 119, Great Ancoats Street, Manchester, M4 5AG Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	666	-	384923 398470
247	**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	A12SW (W)	666	-	384592 398975
248	**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	A12SE (SW)	667	-	384658 398777
248	**Contemporary Trade Directory Entries** Name: Associated Security Location: Security House, 25, Addington Street, Manchester, M4 5EU Classification: Safes & Vaults - Suppliers & Installers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	679	-	384630 398808
248	**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	A12SW (W)	692	-	384604 398834
248	**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	A12SW (W)	692	-	384604 398834
248	**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	A12SW (W)	692	-	384604 398834
248	**Contemporary Trade Directory Entries** Name: E & A Auto Services Location: 15 Cable St, Manchester, Lancashire, M4 5EG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	721	-	384584 398806
249	**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	A12SW (W)	674	-	384603 398894
249	**Contemporary Trade Directory Entries** Name: Lucky Knitwear Ltd Location: 53, Marshall Street, Manchester, M4 5FU Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	701	-	384570 398913
249	**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	A12SW (W)	701	-	384570 398913

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
249	**Contemporary Trade Directory Entries** Name: Global Star Ltd Location: 53, Marshall Street, Manchester, M4 5FU Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	701	-	384570 398913
250	**Contemporary Trade Directory Entries** Name: Karpelle Ltd Location: Unit 1, Varley Business Centre, James Street, Manchester, M40 8EL Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	676	-	385986 399387
251	**Contemporary Trade Directory Entries** Name: W Wasik Location: 33-35, Simpson Street, Manchester, M4 4BG Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	677	-	384571 399108
251	**Contemporary Trade Directory Entries** Name: Damaz Purse Manufacturing Co Ltd Location: 18, Sharp Street, Manchester, M4 4BZ Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	705	-	384543 399103
251	**Contemporary Trade Directory Entries** Name: Karo Handbags Location: 19, Sharp Street, Manchester, M4 4BZ Classification: Leather Products - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	710	-	384539 399077
251	**Contemporary Trade Directory Entries** Name: Krupa Bros & Son Location: 19, Sharp Street, Manchester, M4 4BZ Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	710	-	384539 399077
252	**Contemporary Trade Directory Entries** Name: North Western Motor Co Location: 3 Dulwich St, Manchester, M4 4JJ Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	678	-	384696 399480
252	**Contemporary Trade Directory Entries** Name: Pink Skips Manchester Ltd Location: Dulwich Street, Manchester, Lancashire, M4 4JJ Classification: Recycling Centres **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	697	-	384676 399484
253	**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	A8SE (S)	687	-	385338 398310
254	**Contemporary Trade Directory Entries** Name: Manchester Vehicle Recycling Location: Cambrian St, Manchester, Lancashire, M40 7EG Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	690	-	386028 398782
254	**Contemporary Trade Directory Entries** Name: Karpelle Ltd Location: Bengal Mill, Upper Helena Street, Manchester, M40 7EQ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	714	-	386063 398809
254	**Contemporary Trade Directory Entries** Name: J Stirling & Son Location: Union Mill, Cambrian Street, Manchester, M40 7EG Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	714	-	386063 398809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
254	**Contemporary Trade Directory Entries** Name: Sharif & Sons Location: Bengal Mill, Upper Helena Street, Manchester, M40 7EQ Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	714	-	386063 398809
255	**Contemporary Trade Directory Entries** Name: Ivores Supplies Ltd Location: Unit 113, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Sports Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Lavinblackwell Location: Cariocca Business Park, Miles Platting, Manchester, Greater Manchester, M40 8BB Classification: Caravan Dealers & Manufacturers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: G S F Contract Cleaning Location: Unit 4, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Regional Electricity Advisory Centre Location: Unit 53, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Electricity Companies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Global Electrical & Communications Ltd Location: Unit 45, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Model System Solutions Location: Cariocca Business Pk,Sawley Rd, Miles Platting, Manchester, Lancashire, M40 8BB Classification: Engineering Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: C E N Botteling Co Ltd Location: Unit 65, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, Lancashire, M40 8BB Classification: Soft Drinks - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Classic Knitwear Ltd Location: Unit 31, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, Lancashire, M40 8BB Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Vianlee Ltd Location: Unit 29, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
255	**Contemporary Trade Directory Entries** Name: Apple Enterprise International Location: Unit 71, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Smart Puls Location: Unit 39, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: D S M Enterprise Location: Unit 28, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Ultrade Location: Unit 39, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Electrolysis **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Jk Cars Location: Unit 34, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, Lancashire, M40 8BB Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Klyvinnd Location: Unit 59, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Bioeurope Location: Unit 64, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Pharmaceutical Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	701	-	385979 399452
255	**Contemporary Trade Directory Entries** Name: Go Window Blinds Location: Unit 10, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	702	-	385980 399452
255	**Contemporary Trade Directory Entries** Name: Germsfree Cleaning Contractors Location: Unit 10, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	702	-	385980 399452
255	**Contemporary Trade Directory Entries** Name: S & S Power Transmission Location: Unit 10, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Power Transmission Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	702	-	385980 399452

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
255	**Contemporary Trade Directory Entries** Name: Flirtatious Lingerie Location: Cariocca Business Pk,Sawley Rd, Miles Platting, Manchester, Lancashire, M40 8BB Classification: Lingerie & Hosiery Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	702	-	385980 399452
255	**Contemporary Trade Directory Entries** Name: A 2 Z Freight Services Location: Unit 77, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	702	-	385980 399452
255	**Contemporary Trade Directory Entries** Name: Oilpro Uk Ltd Location: Unit 105,Cariocca Business Pk,Sawley Rd, Miles Platting, Manchester, Lancashire, M40 8BB Classification: Garage Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	705	-	385981 399456
255	**Contemporary Trade Directory Entries** Name: N S Medical Systems Location: Unit 96, Cariocca Business Park, Sawley Road, Miles Platting, MANCHESTER, M40 8BB Classification: Medical Equipment Maintenance & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	735	-	386010 399468
255	**Contemporary Trade Directory Entries** Name: Chimera Logistics Ltd Location: Unit 7, Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	735	-	386010 399468
256	**Contemporary Trade Directory Entries** Name: Single Value Ltd Location: 204, Dantzic Street, Manchester, M4 4DD Classification: Ice Cream Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (NW)	710	-	384612 399403
257	**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	A9SW (SE)	710	-	385689 398380
258	**Contemporary Trade Directory Entries** Name: Pelican Press Location: 20, Pollard Street East, Manchester, M40 7ET Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	712	-	386030 398730
258	**Contemporary Trade Directory Entries** Name: Pelican Press Location: 20, Pollard Street East, Manchester, M40 7ET Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	712	-	386030 398730
258	**Contemporary Trade Directory Entries** Name: Pelican Press Location: 20, Pollard Street East, MANCHESTER, M40 7ET Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	712	-	386030 398730
259	**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	A7NE (SW)	715	-	384832 398480

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
259	**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	A7NE (SW)	715	-	384803 398510
259	**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	A7NE (SW)	715	-	384832 398480
259	**Contemporary Trade Directory Entries** Name: Jeffay Location: 63, Houldsworth Street, Manchester, Lancashire, M1 2ES Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	715	-	384832 398480
260	**Contemporary Trade Directory Entries** Name: Luton Engineering Services S W Ltd Location: 6, Swan Street, Manchester, M4 5JN Classification: Engineering Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (SW)	718	-	384624 398733
260	**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	A12SW (SW)	718	-	384624 398732
260	**Contemporary Trade Directory Entries** Name: New Beach Retail Ltd Location: 75, Tib Street, Manchester, M4 1LS Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	761	-	384598 398692
260	**Contemporary Trade Directory Entries** Name: Quality Engineering Design Ltd Location: 77, Tib Street, Manchester, M4 1LS Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	761	-	384598 398692
260	**Contemporary Trade Directory Entries** Name: Quality Engineering Design Location: 77, Tib Street, Manchester, M4 1LS Classification: Mechanical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	761	-	384598 398692
260	**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	A7NW (SW)	766	-	384578 398718
261	**Contemporary Trade Directory Entries** Name: A 2 Z Knitwear Ltd Location: 56, Lever Street, Manchester, M1 1FJ Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	730	-	384720 398582
261	**Contemporary Trade Directory Entries** Name: Silk Beauty Hair Removal Location: 10, Bradley Street, Manchester, M1 1EH Classification: Electrolysis **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	765	-	384673 398583
262	**Contemporary Trade Directory Entries** Name: Benecare Medical Location: Unit 1, Branson Court, Branson Street, Manchester, M40 7FP Classification: Medical Equipment Maintenance & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	732	-	386022 398668

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
262	**Contemporary Trade Directory Entries** Name: Benefoot Location: Unit 1, Branson Court, Branson Street, Manchester, M40 7FP Classification: Medical Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	732	-	386022 398668
262	**Contemporary Trade Directory Entries** Name: Benefoot Location: Unit 1, Branson Court, Branson Street, Manchester, M40 7FP Classification: Medical Equipment Maintenance & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	732	-	386022 398668
262	**Contemporary Trade Directory Entries** Name: K H C Location: Branson Court,Branson St, Manchester, Lancashire, M40 7FP Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	746	-	386031 398657
262	**Contemporary Trade Directory Entries** Name: Benefoot (Uk) Ltd Location: Unit 2/3, Branson Court, Branson Street, Manchester, M40 7FP Classification: Medical Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	762	-	386042 398642
263	**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	A12SW (W)	734	-	384549 398867
263	**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	A12SW (W)	734	-	384549 398867
263	**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	A12SW (W)	734	-	384549 398867
263	**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	A12SW (W)	734	-	384549 398867
263	**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	A12SW (W)	734	-	384549 398867
263	**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	A12SW (W)	734	-	384549 398867
263	**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	A12SW (W)	769	-	384518 398847
263	**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	A12SW (W)	769	-	384518 398847

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
264	**Contemporary Trade Directory Entries** Name: Hughes Haulage Location: Bromley St, Manchester, M4 4JS Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	736	-	384560 399348
264	**Contemporary Trade Directory Entries** Name: Mc Motors Location: 49 Bromley St, Manchester, Lancashire, M4 4JS Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	741	-	384556 399351
264	**Contemporary Trade Directory Entries** Name: Marble Brewery Location: 41, Bromley Street, Manchester, M4 4JS Classification: Brewers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	749	-	384547 399349
264	**Contemporary Trade Directory Entries** Name: Phillips Rubber Location: Dantzic Street, Manchester, M4 4JH Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	753	-	384556 399384
264	**Contemporary Trade Directory Entries** Name: Aryan Body Shop Location: 42 Bromley St, Manchester, Lancashire, M4 4JS Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	760	-	384541 399364
264	**Contemporary Trade Directory Entries** Name: A T Autos Location: 45 Bromley St, Manchester, M4 4JS Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	766	-	384536 399368
265	**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	A7NE (SW)	740	-	384889 398403
266	**Contemporary Trade Directory Entries** Name: Indesign (Uk) Ltd Location: 104 Great Ancoats St, Manchester, Lancashire, M4 5BQ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (SW)	741	-	385013 398330
267	**Contemporary Trade Directory Entries** Name: Diamond Trading Co Location: 7-9, Swan Street, Manchester, M4 5JJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	745	-	384619 398687
268	**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	A8SW (S)	747	-	385076 398298
268	**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	A8SW (S)	748	-	385093 398291
268	**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	A8SW (S)	748	-	385093 398291

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
268	**Contemporary Trade Directory Entries** Name: Online Building Supplies Location: 132-134, Great Ancoats Street, Manchester, M4 6DE Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	748	-	385093 398291
268	**Contemporary Trade Directory Entries** Name: Lush Carpet Cleaners Location: 132-134, Great Ancoats Street, Manchester, M4 6DE Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	748	-	385093 398291
268	**Contemporary Trade Directory Entries** Name: Golden Girls Cleaning & Laundry Services Location: 132-134, Great Ancoats Street, Manchester, M4 6DE Classification: Laundries & Launderettes **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	748	-	385092 398291
268	**Contemporary Trade Directory Entries** Name: Golden Girls Manchester Uk Ltd Location: 132-134, Great Ancoats Street, Manchester, M4 6DE Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	748	-	385092 398291
268	**Contemporary Trade Directory Entries** Name: Spirit Cleaning Location: 132-134, Great Ancoats Street, Manchester, M4 6DE Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	748	-	385092 398291
268	**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	A8SW (S)	748	-	385093 398291
268	**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	A8SW (S)	748	-	385093 398291
268	**Contemporary Trade Directory Entries** Name: Crime Scene Cleaning Services Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Hygiene & Cleansing Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385090 398286
268	**Contemporary Trade Directory Entries** Name: Network Print Support Ltd Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Photocopiers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385090 398286
268	**Contemporary Trade Directory Entries** Name: Breeze Carpet Cleaners Ltd Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385091 398286
268	**Contemporary Trade Directory Entries** Name: Bestbooze Location: 83 Ducie Street, Manchester, Greater Manchester, M1 2JQ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	753	-	385091 398286
268	**Contemporary Trade Directory Entries** Name: Energiea Limited Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Energy Efficient Products and Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385091 398286

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
268	**Contemporary Trade Directory Entries** Name: Geek Fix Location: 83 Ducie Street, Manchester, Greater Manchester, M1 2JQ Classification: Machinery - Industrial & Commercial **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	753	-	385091 398286
268	**Contemporary Trade Directory Entries** Name: Car Scraping Scrap Yards In Manchester Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385090 398286
268	**Contemporary Trade Directory Entries** Name: Compare Parking Deals Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Car Painters & Sprayers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385091 398286
268	**Contemporary Trade Directory Entries** Name: Clean Happy Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385091 398286
268	**Contemporary Trade Directory Entries** Name: Shutters & Blinds Uk Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385091 398286
268	**Contemporary Trade Directory Entries** Name: The Bizz Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385091 398286
268	**Contemporary Trade Directory Entries** Name: Total Clean Location: 83 Ducie Street, Manchester, Greater Manchester, M1 2JQ Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	753	-	385091 398286
268	**Contemporary Trade Directory Entries** Name: A R C Window Films Ltd Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Window Film Manufacturers and Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385091 398286
268	**Contemporary Trade Directory Entries** Name: Ecolamp Location: 83, Ducie Street, Manchester, M1 2JQ Classification: Recycling Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	753	-	385091 398286
268	**Contemporary Trade Directory Entries** Name: I T Designs Location: 81, Ducie Street, Manchester, M1 2JQ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	757	-	385084 398284
269	**Contemporary Trade Directory Entries** Name: Auto Bodies Location: irk,36 Gould St, Manchester, Lancashire, M4 4DL Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	747	-	384525 399274
269	**Contemporary Trade Directory Entries** Name: Novapress Ltd Location: Bromley Street, Manchester, M4 4JS Classification: Printers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A12NW (W)	757	-	384522 399301

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
269	**Contemporary Trade Directory Entries** Name: Church Lane Garage Location: 39, Bromley Street, MANCHESTER, M4 4JS Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	758	-	384522 399301
270	**Contemporary Trade Directory Entries** Name: Brusecure Location: Hamerton Rd, Manchester, Lancashire, M40 7RF Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	751	-	385228 399886
271	**Contemporary Trade Directory Entries** Name: Project Set Ltd Location: Cyrus Street, Manchester, Lancashire, M40 7FG Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	757	-	386016 398610
271	**Contemporary Trade Directory Entries** Name: V J Tilbrook & Sons Location: 4, Cavalier Street, Manchester, M40 7FE Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	773	-	386012 398576
271	**Contemporary Trade Directory Entries** Name: V J Tilbrook & Son Location: 4, Cavalier Street, Manchester, M40 7FE Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	773	-	386012 398576
271	**Contemporary Trade Directory Entries** Name: T Shaw & Son Ltd Location: Holt Town Industrial Estate, Manchester, Lancashire, M40 7FQ Classification: Sheet Metal Work **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	776	-	385997 398552
272	**Contemporary Trade Directory Entries** Name: Custom Built Computers Location: 51-52 New Mount St, Manchester, Lancashire, M4 4DE Classification: Computer Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	761	-	384488 399070
272	**Contemporary Trade Directory Entries** Name: Pure Music Manufacturing Ltd Location: 23, New Mount Street, Manchester, Lancashire, M4 4DE Classification: Record, Tape & CD Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	777	-	384471 399084
272	**Contemporary Trade Directory Entries** Name: M A Quality Foods Location: 23, New Mount Street, Manchester, Lancashire, M4 4DE Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	778	-	384471 399084
272	**Contemporary Trade Directory Entries** Name: A B M Cleaning Services Ltd Location: 23, New Mount Street, Manchester, Lancashire, M4 4DE Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	778	-	384471 399084
272	**Contemporary Trade Directory Entries** Name: Cap-Com Music Location: 23, New Mount Street, Manchester, Lancashire, M4 4DE Classification: Gearboxes **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	778	-	384471 399084
272	**Contemporary Trade Directory Entries** Name: B & M Electronics Location: 23, New Mount Street, Manchester, Lancashire, M4 4DE Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	778	-	384471 399084

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
272	**Contemporary Trade Directory Entries** Name: Home Maids Ltd Location: 23, New Mount Street, Manchester, Lancashire, M4 4DE Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	778	-	384471 399084
272	**Contemporary Trade Directory Entries** Name: Iron In The City Location: Unit 30,23 New Mount St, Manchester, Lancashire, M4 4DE Classification: Ironing & Home Laundry Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	778	-	384470 399084
273	**Contemporary Trade Directory Entries** Name: Master Design Ltd Location: 11, Dyche Street, Manchester, M4 4BQ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	763	-	384490 398997
274	**Contemporary Trade Directory Entries** Name: British Wholesales Location: 48, Cambrian Street, Manchester, M40 7EG Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (SE)	770	-	386095 398733
274	**Contemporary Trade Directory Entries** Name: Dorfell Textiles Location: 50, Cambrian Street, Manchester, M40 7EG Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (SE)	770	-	386095 398733
275	**Contemporary Trade Directory Entries** Name: Duha Knitwear Ltd Location: Bengal Mill,Upper Helena St, Manchester, Lancashire, M40 7EQ Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	770	-	386120 398804
275	**Contemporary Trade Directory Entries** Name: Duha Knitwear Ltd Location: Bengal Mill,Upper Helena St, Manchester, Lancashire, M40 7EQ Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	770	-	386120 398804
276	**Contemporary Trade Directory Entries** Name: Manchester Printing Co Ltd Location: 75, Lever Street, Manchester, M1 1FL Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	777	-	384667 398572
276	**Contemporary Trade Directory Entries** Name: Mafana Ltd Location: 65-71, Lever Street, MANCHESTER, M1 1FL Classification: Children & Babywear - Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	799	-	384650 398558
277	**Contemporary Trade Directory Entries** Name: Pdc Manchester Location: 129, Oldham Street, Manchester, M4 1LN Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	777	-	384605 398652
277	**Contemporary Trade Directory Entries** Name: Pdc (Manchester) Location: 129, Oldham Street, Manchester, M4 1LN Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	777	-	384605 398652
277	**Contemporary Trade Directory Entries** Name: Applique Apparel Ltd Location: 110-112, Tib Street, Manchester, M4 1LR Classification: T-Shirts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	780	-	384595 398661

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
277	**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	A7NW (SW)	780	-	384595 398661
277	**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	A7NW (SW)	788	-	384590 398654
277	**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	A7NW (SW)	818	-	384559 398648
278	**Contemporary Trade Directory Entries** Name: Helping Hands Group Plc Location: Media Playground, 19, Lind Street, Manchester, M40 7ES Classification: Recycling Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	778	-	386081 398681
278	**Contemporary Trade Directory Entries** Name: R T S Oils Location: Cambrian St, Manchester, M40 7EG Classification: Oil Fuel Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	815	-	386125 398689
279	**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	A7SE (SW)	779	-	384902 398348
280	**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	A8SE (S)	781	-	385534 398242
280	**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	A8SE (S)	792	-	385575 398242
280	**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	A8SE (S)	808	-	385536 398214
280	**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	A8SE (S)	808	-	385536 398214
280	**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	A8SE (S)	808	-	385536 398214
280	**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	A8SE (S)	808	-	385536 398214

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
281	**Contemporary Trade Directory Entries** Name: Irwell Garage Location: Irk Street, Manchester, M4 4JT Classification: Gearboxes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	783	-	384486 399264
282	**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	A12SW (W)	792	-	384487 398869
282	**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	A12SW (W)	792	-	384487 398869
282	**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	A12SW (W)	792	-	384487 398869
282	**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	A12SW (W)	792	-	384487 398869
282	**Contemporary Trade Directory Entries** Name: Barkat Knitwear Manufacturing Co Ltd Location: 2, Rochdale Road, Manchester, M4 4JR Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	792	-	384487 398869
282	**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	A12SW (W)	797	-	384488 398848
282	**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	A12SW (W)	797	-	384488 398848
282	**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	A12SW (W)	802	-	384481 398854
283	**Contemporary Trade Directory Entries** Name: A B O M S Location: The Bank, 209, Every Street, Manchester, M4 7EX Classification: Photocopiers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	792	-	385914 398438
284	**Contemporary Trade Directory Entries** Name: Marco Trading Co Ltd Location: Marco House, Tariff Street, Manchester, M1 2FF Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	803	-	384806 398387
285	**Contemporary Trade Directory Entries** Name: Hyde & Partners Location: Upper Helena St, Manchester, M40 7EQ Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	807	-	386150 398774

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
285	**Contemporary Trade Directory Entries** Name: Just Mercedes Parts Location: Upper Helena St, Manchester, M40 7EQ Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	817	-	386161 398776
285	**Contemporary Trade Directory Entries** Name: Race Location: Upper Helena Street, Manchester, Lancashire, M40 7EQ Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	829	-	386180 398798
286	**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	A8SW (S)	808	-	385015 398256
287	**Contemporary Trade Directory Entries** Name: Max Tec Uk Ltd Location: 9, Maidford Close, Manchester, M4 7EG Classification: Computer Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	815	-	385839 398350
288	**Contemporary Trade Directory Entries** Name: Northwest Timber Product Location: Upper Cyrus St, Manchester, Lancashire, M40 7FD Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	823	-	386154 398738
288	**Contemporary Trade Directory Entries** Name: Tess Y Garage Location: Unit 4 Upper Cyrus Street, Manchester, Greater Manchester, M40 7FD Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	824	-	386155 398738
289	**Contemporary Trade Directory Entries** Name: Covert Boat Covers Location: Unit 11, Dale House, Vickers Street, Manchester, M40 8EF Classification: Boat Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	824	-	386097 399494
289	**Contemporary Trade Directory Entries** Name: Furnitrix Location: Unit 4, Dale House, Vickers Street, Manchester, M40 8EF Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	386097 399495
289	**Contemporary Trade Directory Entries** Name: Evans Print Ltd Location: Unit 1, Dale House, Vickers Street, Manchester, M40 8EF Classification: T-Shirts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	386097 399495
289	**Contemporary Trade Directory Entries** Name: Bitz & Pieces Location: Unit 24, Dale House, Vickers Street, Manchester, M40 8EF Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	386097 399495
289	**Contemporary Trade Directory Entries** Name: G H Plastics Ltd Location: Unit 8, Vickers Street, Manchester, M40 8EF Classification: Polythene & Plastic Sheeting Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	386097 399495
289	**Contemporary Trade Directory Entries** Name: W T Matthews Location: Unit 3, Dale House, Vickers Street, Manchester, M40 8EF Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	386097 399495

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
289	**Contemporary Trade Directory Entries** Name: S & A Motors Location: Unit 5, Dale House, Vickers Street, Manchester, M40 8EF Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	386097 399495
289	**Contemporary Trade Directory Entries** Name: S A S Recovery Location: Unit 2, Dale House, Vickers Street, Manchester, M40 8EF Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	386097 399495
290	**Contemporary Trade Directory Entries** Name: The Van Part Centre Location: Upper Helena Street, Manchester, M40 7EQ Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A14SE (E)	838	-	386187 398787
290	**Contemporary Trade Directory Entries** Name: Monarch Cartons Ltd Location: Upper Cyrus Street, Manchester, M40 7FD Classification: Boxes & Cartons **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	872	-	386213 398760
291	**Contemporary Trade Directory Entries** Name: Cloran Asphalt Ltd Location: Adswood St, Manchester, M40 7EG Classification: Asphalt & Coated Macadam Laying Contractors **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	839	-	386148 398681
291	**Contemporary Trade Directory Entries** Name: Juds Autos Location: 30 Cambrian St, Manchester, M40 7EG Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	859	-	386158 398656
292	**Contemporary Trade Directory Entries** Name: Place Mix Ltd Location: Hargreaves Street, Manchester, M4 4EJ Classification: Concrete & Mortar Ready Mixed **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (W)	845	-	384469 399415
292	**Contemporary Trade Directory Entries** Name: Tym Ltd Location: 4, Hargreaves Street, Manchester, Lancashire, M4 4EJ Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (W)	845	-	384469 399415
292	**Contemporary Trade Directory Entries** Name: The Concrete Barrowing Co Ltd Location: Hargreaves St, Manchester, Lancashire, M4 4EJ Classification: Concrete & Mortar Ready Mixed **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17SW (W)	869	-	384446 399422
293	**Contemporary Trade Directory Entries** Name: Eden Utility Services Ltd Location: 142, Dantzic Street, Manchester, M4 4DN Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	847	-	384414 399233
293	**Contemporary Trade Directory Entries** Name: S K Auto'S Location: Aspin La, Manchester, M4 4DP Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	850	-	384405 399194
293	**Contemporary Trade Directory Entries** Name: Grassed Off Com Location: Arch 12, Corporation Street, Manchester, M4 4DG Classification: Floorcoverings - Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	881	-	384382 399244

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
294	**Contemporary Trade Directory Entries** Name: Carfinance 247 Location: Block B, 12, Pollard Street, MANCHESTER, M4 7AJ Classification: Car Component Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	850	-	385438 398153
295	**Contemporary Trade Directory Entries** Name: Degussa Ltd Location: Manox House, Coleshill Street, MANCHESTER, M40 7AA Classification: Chemicals & Allied Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	853	-	386181 399375
296	**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	A7SE (SW)	856	-	384955 398231
296	**Contemporary Trade Directory Entries** Name: I B S Manchester Engines Reconditioning Location: 10, Pigeon Street, Manchester, M1 2JX Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	856	-	384955 398231
296	**Contemporary Trade Directory Entries** Name: Powell Creative Products Location: Duplex 1, Ducie House, 37, Ducie Street, Manchester, M1 2JW Classification: Stationery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	885	-	384933 398209
296	**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	A7SE (SW)	885	-	384933 398209
296	**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	A7SE (SW)	885	-	384932 398209
296	**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	A7SE (SW)	885	-	384933 398209
296	**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	A7SE (SW)	885	-	384933 398209
297	**Contemporary Trade Directory Entries** Name: H M G Paints Ltd Location: Riverside Works, Collyhurst Road, Manchester, M40 7RU Classification: Paint Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	856	-	384937 399904
297	**Contemporary Trade Directory Entries** Name: H M G Paints Ltd Location: Riverside Works, Collyhurst Road, Manchester, M40 7RU Classification: Paint Manufacturers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	856	-	384937 399904
298	**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	A8SW (S)	859	-	385109 398169

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
298	**Contemporary Trade Directory Entries** Name: Davies Brothers Tyres Location: Unit 5, Chancel Place, Store Street, Manchester, M1 2WB Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	864	-	385116 398162
299	**Contemporary Trade Directory Entries** Name: Fast Cash 4 Scrap Cars Manchester Aeg Location: 52, Newton Street, Manchester, M1 1ED Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	866	-	384689 398410
300	**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	A7NW (SW)	866	-	384544 398584
300	**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	A7NW (SW)	886	-	384532 398567
300	**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	A7NW (SW)	886	-	384532 398567
300	**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	A7NW (SW)	889	-	384522 398575
300	**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	A7NW (SW)	901	-	384515 398564
301	**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	A7NW (SW)	881	-	384632 398453
301	**Contemporary Trade Directory Entries** Name: Rawagencies Ltd Location: 22, Little Lever Street, Manchester, M1 1HR Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	888	-	384638 398434
301	**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	A7NE (SW)	888	-	384646 398424
302	**Contemporary Trade Directory Entries** Name: S G Transport & Plant Hire Ltd Location: 240-248, Collyhurst Road, Manchester, M40 7RQ Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	883	-	385058 399983
302	**Contemporary Trade Directory Entries** Name: Alpha Location: 240-248, Collyhurst Road, Manchester, M40 7RQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	883	-	385058 399983

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
302	**Contemporary Trade Directory Entries** Name: M C D M O T & Garage Services Location: Manchester, Greater Manchester, M40 7rq Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A18NW (N)	885	-	385057 399984
302	**Contemporary Trade Directory Entries** Name: Ivc Location: Collyhurst Rd, Manchester, Lancashire, M40 7RU Classification: Paint Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	899	-	385013 399984
303	**Contemporary Trade Directory Entries** Name: Ktec Location: 146, Bradford Road, Manchester, M40 7AS Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	891	-	386274 399027
303	**Contemporary Trade Directory Entries** Name: Robin Mills Location: Amalex House,182 Bradford Rd, Manchester, M40 7BE Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	912	-	386294 399071
304	**Contemporary Trade Directory Entries** Name: Noone Motors Location: Holt Town Industrial Estate, Manchester, M40 7FQ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	892	-	386161 398588
304	**Contemporary Trade Directory Entries** Name: P Noone Motors Location: Holt Town Industrial Estate, Manchester, M40 7FQ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	892	-	386161 398588
305	**Contemporary Trade Directory Entries** Name: The Runaway Brewery Location: Unit 4, Millgate, Dantzic Street, Manchester, M4 4JW Classification: Brewers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	895	-	384364 399227
306	**Contemporary Trade Directory Entries** Name: R Mobile Mechanic Location: 19, Lifton Avenue, Manchester, M40 8DD Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	899	-	386029 399713
307	**Contemporary Trade Directory Entries** Name: The Audiences Agency Location: 46-50, Oldham Street, Manchester, M4 1LE Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	901	-	384547 398522
307	**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	A7NW (SW)	903	-	384565 398497
307	**Contemporary Trade Directory Entries** Name: Pro Cleaners Ancoats Location: 19, Hilton Street, Manchester, M1 1JJ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	920	-	384541 398499
307	**Contemporary Trade Directory Entries** Name: Launderette Location: 19, Hilton Street, Manchester, M1 1JJ Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	920	-	384541 398499

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
307	**Contemporary Trade Directory Entries** Name: Sumayah Deria Ltd Location: 12 Hilton Street, Manchester, Greater Manchester, M1 1JF Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	940	-	384529 398483
307	**Contemporary Trade Directory Entries** Name: Flyers Group Location: 12, Hilton Street, Manchester, M1 1JF Classification: Children & Babywear - Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	941	-	384528 398483
307	**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	A7NW (SW)	941	-	384528 398483
308	**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	A7NW (SW)	901	-	384454 398663
308	**Contemporary Trade Directory Entries** Name: Tracey Birchwood Location: Manchester Craft Centre, 17, Oak Street, Manchester, M4 5JD Classification: Ceramic Manufacturers, Supplies & Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	901	-	384454 398663
309	**Contemporary Trade Directory Entries** Name: Minuteman Press Location: 27a Hilton st, Manchester, Greater Manchester, M1 1EL Classification: Digital Printing **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	905	-	384694 398350
309	**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	A7SE (SW)	909	-	384729 398314
309	**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	A7SE (SW)	916	-	384741 398294
309	**Contemporary Trade Directory Entries** Name: Priority Chauffeur Services Location: Hilton House, 26-28, Hilton Street, Manchester, M1 2EH Classification: Car Engine Tuning & Diagnostic Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	924	-	384682 398336
309	**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	A7SE (SW)	937	-	384701 398301
309	**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	A7SE (SW)	937	-	384701 398301

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
309	**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	A7SE (SW)	937	-	384701 398301
309	**Contemporary Trade Directory Entries** Name: Local Map Co Location: Tariff St, Manchester, Lancashire, M1 2FF Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	945	-	384663 398325
309	**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	A7SE (SW)	947	-	384708 398282
309	**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	A7SE (SW)	947	-	384708 398282
310	**Contemporary Trade Directory Entries** Name: Instyle Uk Ltd Location: 31, Honey Street, Manchester, M8 8RG Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	908	-	384572 399692
310	**Contemporary Trade Directory Entries** Name: Montgomery Garage Location: 29-31 Honey St, Manchester, M8 8RG Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	915	-	384558 399688
310	**Contemporary Trade Directory Entries** Name: Aa Autos Location: 29 Honey St, Manchester, Lancashire, M8 8RG Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	915	-	384558 399688
310	**Contemporary Trade Directory Entries** Name: United Location: 25b, Honey Street, Manchester, M8 8RG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	924	-	384535 399675
310	**Contemporary Trade Directory Entries** Name: A M S Manchester Location: 27 Honey St, Manchester, Lancashire, M8 8RG Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	924	-	384545 399686
310	**Contemporary Trade Directory Entries** Name: Home Safe Location: 25, Honey Street, Manchester, Lancashire, M8 8RG Classification: Metal Products - Fabricated **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	930	-	384533 399681
310	**Contemporary Trade Directory Entries** Name: United Location: 25b, Honey Street, Manchester, M8 8RG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	930	-	384533 399681
311	**Contemporary Trade Directory Entries** Name: Blue Star Auto Salvage Location: Holt Town Ind Est, Manchester, M40 7FQ Classification: Salvage Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NE (E)	911	-	386236 398705

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
312	**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	A7SE (SW)	917	-	384658 398370
313	**Contemporary Trade Directory Entries** Name: Fine Shape (Clothing) Ltd Location: 19a Ducie St,Eidr Ho, Manchester, M1 2JE Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	920	-	384865 398205
314	**Contemporary Trade Directory Entries** Name: Corstorphine & Wright Location: Paradise Wharf, Ducie Street, Manchester, Lancashire, M1 2JN Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (S)	922	-	384962 398155
315	**Contemporary Trade Directory Entries** Name: M Z Fibres Ltd Location: 14, Honey Street, Manchester, M8 8RG Classification: Textile Manufacturing **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	922	-	384491 399614
315	**Contemporary Trade Directory Entries** Name: Raymat Quilts & Textiles Location: 14, Honey Street, Manchester, M8 8RG Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	922	-	384491 399614
315	**Contemporary Trade Directory Entries** Name: Aa Autos Location: Honey St, Manchester, Lancashire, M8 8RG Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	923	-	384519 399652
315	**Contemporary Trade Directory Entries** Name: First Choice Packaging Manufacturers Ltd Location: 12, Honey Street, Manchester, M8 8RG Classification: Packaging & Wrapping Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	944	-	384457 399601
315	**Contemporary Trade Directory Entries** Name: Marble Arch Location: Honey Street, Manchester, M8 8RG Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A17SW (NW)	950	-	384468 399629
316	**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	A7NW (SW)	923	-	384434 398652
316	**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	A7NW (SW)	953	-	384422 398611
316	**Contemporary Trade Directory Entries** Name: Marc The Printers Location: 28-30, Edge Street, Manchester, M4 1HN Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	957	-	384399 398647
316	**Contemporary Trade Directory Entries** Name: Manchester Gold Buyers Location: Thomas St, Manchester, Lancashire, M4 1NA Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	971	-	384390 398634

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
316	**Contemporary Trade Directory Entries** Name: Shop Fittings Manchester Ltd Location: 42-46, Thomas Street, MANCHESTER, M4 1ER Classification: Shop Fittings Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	998	-	384371 398613
316	**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	A7NW (SW)	1000	-	384366 398617
316	**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	A7NW (SW)	1000	-	384366 398617
316	**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	A7NW (SW)	1000	-	384366 398617
317	**Contemporary Trade Directory Entries** Name: Dekbed Uk Ltd Location: 3, Roger Street, Manchester, M4 4EN Classification: Textile Manufacturing **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (W)	925	-	384388 399427
317	**Contemporary Trade Directory Entries** Name: L S Garments Ltd Location: 12-14, Chase Street, Manchester, M4 4EN Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (W)	925	-	384388 399427
318	**Contemporary Trade Directory Entries** Name: M8 Tyres Location: Unit 1, Collingham Street, Manchester, M8 8RQ Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NW (NW)	926	-	384640 399785
318	**Contemporary Trade Directory Entries** Name: Autocraft Location: Collingham Street, Manchester, M8 8RQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NW (NW)	961	-	384605 399800
318	**Contemporary Trade Directory Entries** Name: Saleem Knitwear Location: Collingham Street, Manchester, M8 8RQ Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NW (NW)	961	-	384605 399800
319	**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	A8SW (S)	928	-	385257 398073
320	**Contemporary Trade Directory Entries** Name: Harry Shore & Co Location: Unit 15 Red Bank Pde,Aspin La, Manchester, M4 4HF Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	935	-	384314 399124
321	**Contemporary Trade Directory Entries** Name: Beehive Telecom Location: 79, Thomas Street, Manchester, M4 1LQ Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	936	-	384480 398554

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
322	**Contemporary Trade Directory Entries** Name: J & B Textiles Location: 14, Little Lever Street, Manchester, M1 1HR Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SW (SW)	939	-	384607 398392
322	**Contemporary Trade Directory Entries** Name: Lacamanda Ltd Location: Suite 17 Second Floor,Lever Street, Manchester, Greater Manchester, M1 1DW Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	940	-	384589 398412
322	**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	A7SW (SW)	941	-	384618 398376
322	**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	A7SW (SW)	942	-	384638 398354
322	**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	A7SW (SW)	942	-	384638 398354
322	**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	A7SW (SW)	952	-	384599 398382
322	**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	A7NW (SW)	957	-	384580 398396
322	**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	A7NW (SW)	957	-	384580 398397
322	**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	A7SW (SW)	978	-	384556 398392
322	**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	A7SW (SW)	978	-	384556 398392
322	**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	A7SW (SW)	978	-	384556 398392

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
323	**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	A7NW (SW)	944	-	384437 398605
324	**Contemporary Trade Directory Entries** Name: Quick Start Location: Unit 5, Collingham Street, Manchester, M8 8RQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	947	-	384518 399689
324	**Contemporary Trade Directory Entries** Name: Z-Cars Auto Services Location: Unit 3, Collingham Street, Manchester, M8 8RQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	960	-	384492 399679
324	**Contemporary Trade Directory Entries** Name: Z Cars Auto Services Location: Unit 3, Collingham Street, Manchester, M8 8RQ Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	960	-	384492 399679
324	**Contemporary Trade Directory Entries** Name: Z Cars Auto Services Location: Unit 3, Collingham Street, Manchester, M8 8RQ Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	960	-	384492 399679
324	**Contemporary Trade Directory Entries** Name: Premier Glass Location: Unit 2, Collingham Street, Manchester, M8 8RQ Classification: Mirrors & Decorative Glass **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	966	-	384481 399673
325	**Contemporary Trade Directory Entries** Name: Fort Cleaning Solutions Location: 5, Roger Street, Manchester, M4 4EN Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (W)	956	-	384348 399407
325	**Contemporary Trade Directory Entries** Name: World Of Cleaning Ltd Location: 5, Roger Street, Manchester, Lancashire, M4 4EN Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17SW (W)	956	-	384348 399407
325	**Contemporary Trade Directory Entries** Name: Crompton Park Building Supplies Ltd Location: Roger St, Cheetham Hill, Manchester, M4 4EN Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	958	-	384338 399386
326	**Contemporary Trade Directory Entries** Name: Carriages Location: Arch 5, Corporation Street, Manchester, Lancashire, M4 4DG Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NE (W)	961	-	384294 399194
327	**Contemporary Trade Directory Entries** Name: Anthony Gerrards Location: 48, Harrowby Drive, Manchester, M40 8LP Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (N)	966	-	385665 400045
327	**Contemporary Trade Directory Entries** Name: Abbey Rapid Kill Pest Control Services Location: 48, Harrowby Drive, Manchester, Lancashire, M40 8LP Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (N)	966	-	385665 400045

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
328	**Contemporary Trade Directory Entries** Name: Mpg Ltd Location: Dale House, 35, Dale Street, Manchester, Lancashire, M1 2HF Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	968	-	384644 398311
328	**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	A7SE (SW)	968	-	384644 398311
328	**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	A7SE (SW)	968	-	384644 398311
328	**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	A7SE (SW)	969	-	384643 398310
328	**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	A7SE (SW)	984	-	384655 398278
329	**Contemporary Trade Directory Entries** Name: H J Barton Location: 60 Shudehill, Manchester, Greater Manchester, M4 4AA Classification: Jewellery Manufacturers & Repairers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	970	-	384339 398749
329	**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	A12SW (W)	970	-	384339 398749
329	**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	A12SW (W)	970	-	384339 398749
329	**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	A7NW (W)	997	-	384326 398708
330	**Contemporary Trade Directory Entries** Name: Topline Fashions (Manchester) Ltd Location: Collingham St, Manchester, Lancashire, M8 8RR Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	972	-	384529 399741
330	**Contemporary Trade Directory Entries** Name: S Redfern & Co Ltd Location: Collingham Street, Manchester, M8 8RR Classification: Hose, Tubing & Fittings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	972	-	384529 399741
330	**Contemporary Trade Directory Entries** Name: New Scene M C R Ltd Location: 15, Collingham Street, Manchester, M8 8RQ Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	989	-	384487 399717

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
331	**Contemporary Trade Directory Entries** Name: Hall & Rogers Ltd Location: Hillkirk Street, Manchester, M11 3EZ Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	974	-	386216 398522
332	**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	A7SE (SW)	975	-	384718 398238
333	**Contemporary Trade Directory Entries** Name: Duo Plastics Ltd Location: Vickers Street, Manchester, M40 8PU Classification: Polythene & Plastic Sheeting Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	982	-	386225 399590
333	**Contemporary Trade Directory Entries** Name: Grahams Location: Vickers St, Manchester, Lancashire, M40 8PU Classification: Packaging Materials Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	983	-	386225 399590
334	**Contemporary Trade Directory Entries** Name: Creamline Dairies Location: 56-58, Red Bank, Manchester, M8 8TS Classification: Dairies **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	984	-	384383 399556
335	**Contemporary Trade Directory Entries** Name: Sheridan Knitwear Location: Ground Floor, 371, Oldham Road, Manchester, M40 8EA Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	987	-	385977 399882
336	**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	A7SE (SW)	988	-	384671 398259
337	**Contemporary Trade Directory Entries** Name: Duvet Pillow & Linen Co Location: 54, Red Bank, Manchester, M8 8QF Classification: Soft Furnishings - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	988	-	384354 399508
338	**Contemporary Trade Directory Entries** Name: Celsius Air Conditioning Ltd Location: 56, Thomas Telford Basin, Manchester, M1 2NH Classification: Air Conditioning & Refrigeration Contractors **Status: Active** Positional Accuracy: Automatically positioned to the address	A3NW (S)	998	-	385074 398035
339	**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	A3NW (S)	998	-	385198 398009
340	**Fuel Station Entries** Name: Impact Services Ltd Location: 271 Oldham Road, Miles Platting, Manchester, M40 7PS Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	501	-	385587 399568

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
341	**Fuel Station Entries** Name: Rochdale Road Service Station Location: 95-109 Rochdale Road, Manchester, M4 4HZ Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Located by supplier to within 100m	A12NE (W)	510	-	384740 399125
342	**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	A12SW (W)	666	-	384592 398975
343	**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	A7NE (SW)	733	-	384700 398600
344	**Points of Interest - Commercial Services** Name: B & C Motorcycles Location: 198-200 Oldham Road, Manchester, M4 6BQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	122	8	385161 399002
345	**Points of Interest - Commercial Services** Name: H N Tyres Location: 342 Oldham Road, Manchester, M40 7NS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	228	8	385483 399306
346	**Points of Interest - Commercial Services** Name: Bill Howarth Location: 109 Jersey Street, Manchester, M4 6JG Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A13SW (SW)	273	8	385193 398763
347	**Points of Interest - Commercial Services** Name: 247 Auto Locksmiths Location: 82 Silk Street, Manchester, M4 6BJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	280	8	385067 398869
348	**Points of Interest - Commercial Services** Name: T Brown & Son Location: Primrose Street, Off Bengal Street, Manchester, M4 6AG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	342	8	384999 398853
348	**Points of Interest - Commercial Services** Name: Badger Car Repairs Location: Primrose, Street, Manchester, M4 6AG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	343	8	384999 398851
348	**Points of Interest - Commercial Services** Name: 151 Products Ltd Location: 39 Bengal Street, Manchester, M4 6AF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SW (SW)	370	8	385015 398790
349	**Points of Interest - Commercial Services** Name: Phoenix Location: New, Allen Street, Manchester, M40 7UR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	380	8	385504 399477

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
349	**Points of Interest - Commercial Services** Name: Phoenix Location: 245 Oldham Road, Manchester, M40 7PT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	387	8	385505 399484
349	**Points of Interest - Commercial Services** Name: Alcan Aluminium Can Recycling Location: 245 Oldham Road, Manchester, M40 7PT Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A18SE (NE)	387	8	385505 399484
349	**Points of Interest - Commercial Services** Name: Bulldog Metals Ltd Location: 245 Oldham Road, Manchester, M40 7PT Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A18SE (NE)	387	8	385504 399484
349	**Points of Interest - Commercial Services** Name: Greenbrow Motors Location: 15-17 Birt Street, Manchester, M40 7UP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	452	8	385548 399534
349	**Points of Interest - Commercial Services** Name: Black Cab Centre Ltd Location: 17-21 Birt Street, Manchester, M40 7UP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	452	8	385548 399534
349	**Points of Interest - Commercial Services** Name: Blacklock Garage Location: 15-17 Birt Street, Manchester, M40 7UP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	452	8	385548 399534
349	**Points of Interest - Commercial Services** Name: Blacklock Garage Location: 15-17 Birt Street, Manchester, M40 7UP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	452	8	385548 399534
350	**Points of Interest - Commercial Services** Name: Smart Remaps Location: Unit 2 Trading Estate, Sudell Street, Manchester, M4 4JQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (W)	431	8	384825 399169
350	**Points of Interest - Commercial Services** Name: Northern Auto Ltd Location: 117-119 Rochdale Road, Manchester, M4 4HZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (W)	476	8	384787 399204
350	**Points of Interest - Commercial Services** Name: The Great American Car Wash Location: 1 Back St. Georges Road, Manchester, M4 4JD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (W)	500	8	384756 399172
350	**Points of Interest - Commercial Services** Name: Great American Car Wash Location: 1 Back St. Georges Road, Manchester, M4 4JD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (W)	500	8	384756 399172
350	**Points of Interest - Commercial Services** Name: Perfect Auto Repairs Location: 87 Rochdale Road, Manchester, M4 4HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (W)	538	8	384711 399116

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
350	**Points of Interest - Commercial Services** Name: Nationwide Vehicle Deliveries Ltd Location: 87a Rochdale Road, Manchester, M4 4HY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NE (W)	538	8	384711 399116
351	**Points of Interest - Commercial Services** Name: Car Wash Location: 125-133 Rochdale Road, Manchester, M4 4HZ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (W)	449	8	384832 399255
352	**Points of Interest - Commercial Services** Name: Compass Development UK Ltd Location: 64 Oldham Road, Manchester, M4 5EE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SE (SW)	496	8	384836 398812
353	**Points of Interest - Commercial Services** Name: 2 Squared Agency Location: Unit 4 Royal Mills 17, Redhill Street, Manchester, M4 5BA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (SW)	577	8	384993 398530
354	**Points of Interest - Commercial Services** Name: Northwest Autocare Location: 12a Bradford Road, Manchester, M40 7EZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	593	8	385924 398784
354	**Points of Interest - Commercial Services** Name: North West Auto Care Location: 12a Bradford Road, Manchester, M40 7EZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	593	8	385925 398785
355	**Points of Interest - Commercial Services** Name: D & M Manchester City Garage Location: Unit 2, Upper Cyrus Street, Manchester, M40 7FD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	596	8	385800 398600
356	**Points of Interest - Commercial Services** Name: Blossom Motor Co Location: 27 Gun Street, Manchester, M4 5DN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	635	8	384804 398630
356	**Points of Interest - Commercial Services** Name: Blossom Motor Co Location: 27 Gun Street, Manchester, M4 5DN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	636	8	384803 398629
357	**Points of Interest - Commercial Services** Name: Gafa Motors Location: 305-311 Oldham Road, Manchester, M40 7PS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	660	8	385681 399697
357	**Points of Interest - Commercial Services** Name: Almedina Motors Location: 305-311 Oldham Road, Manchester, M40 7PS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	660	8	385681 399697
358	**Points of Interest - Commercial Services** Name: Two Distribution Location: 28 Mason Street, Manchester, M4 5EY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SW (W)	663	8	384625 398864

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
358	**Points of Interest - Commercial Services** Name: A & E Autos Services Location: 15 Cable Street, Manchester, M4 5EG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	725	8	384580 398806
358	**Points of Interest - Commercial Services** Name: E & A Auto Services Location: 15 Cable Street, Manchester, M4 5EG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SW (W)	725	8	384580 398806
359	**Points of Interest - Commercial Services** Name: Chimera Logistics Ltd Location: Unit 7 Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	701	8	385979 399452
360	**Points of Interest - Commercial Services** Name: Olympia Location: Union Mill, Cambrian Street, Manchester, M40 7EG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	714	8	386063 398809
361	**Points of Interest - Commercial Services** Name: Asha Freight Location: 132-134 Great Ancoats Street, Manchester, M4 6DE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SW (S)	748	8	385093 398291
362	**Points of Interest - Commercial Services** Name: New Beach Retail Ltd Location: 75 Tib Street, Manchester, M4 1LS Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (SW)	756	8	384601 398697
362	**Points of Interest - Commercial Services** Name: Marco Services Ltd Location: 15-17 Swan Street, Manchester, M4 5JJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (SW)	761	8	384587 398711
363	**Points of Interest - Commercial Services** Name: M J T Motors Location: 79 Gould Street, Manchester, M4 4DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	756	8	384516 399274
363	**Points of Interest - Commercial Services** Name: Church Lane Garage Location: 39 Bromley Street, Manchester, M4 4JS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	758	8	384521 399301
363	**Points of Interest - Commercial Services** Name: M J T Motors Location: 79, Gould Street, City Centre, Manchester, Greater Manchester, M4 4DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	783	8	384486 399264
363	**Points of Interest - Commercial Services** Name: M J T Motors Location: Irk Street, Manchester, M4 4JT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	783	8	384485 399263
364	**Points of Interest - Commercial Services** Name: V J Tilbrook & Sons Location: 4 Cavalier Street, Manchester, M40 7FE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	773	8	386011 398575

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
364	**Points of Interest - Commercial Services** Name: T Shaw & Son Ltd Location: Holt Town Industrial Estate, Manchester, M40 7FQ Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A9NE (SE)	776	8	385997 398552
365	**Points of Interest - Commercial Services** Name: Valet Parking Location: 23 New Mount Street, Manchester, M4 4DE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NW (W)	778	8	384471 399084
366	**Points of Interest - Commercial Services** Name: Marco Location: 68-68a, Port Street, Manchester, M1 2EG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	800	8	384787 398408
367	**Points of Interest - Commercial Services** Name: Scrap Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	823	8	386177 398809
367	**Points of Interest - Commercial Services** Name: Scrap Yard Location: M40 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A14SE (E)	824	8	386177 398806
368	**Points of Interest - Commercial Services** Name: Scrap Yard Location: M4 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A17SW (NW)	839	8	384508 399482
368	**Points of Interest - Commercial Services** Name: Tym Ltd Location: 4 Hargreaves Street, Manchester, M4 4EJ Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A17SW (W)	845	8	384469 399415
368	**Points of Interest - Commercial Services** Name: T Y M Ltd Location: 4 Hargreaves Street, Manchester, M4 4EJ Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A17SW (W)	845	8	384469 399415
368	**Points of Interest - Commercial Services** Name: Scrap Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	856	8	384490 399483
368	**Points of Interest - Commercial Services** Name: Scrap Yard Location: M4 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	862	8	384483 399483
369	**Points of Interest - Commercial Services** Name: The Great British Car Wash Location: 121 Dantzic St, Manchester, Lancashire, M4 4DW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NW (W)	843	8	384438 399320
369	**Points of Interest - Commercial Services** Name: Smart Claims Location: 121 Dantzic St, Manchester, Lancashire, M4 4DW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NW (W)	843	8	384438 399320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
370	**Points of Interest - Commercial Services** Name: McR Engines Location: 10 Pigeon Street, Manchester, M1 2JX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	856	8	384955 398231
371	**Points of Interest - Commercial Services** Name: Scrap Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	860	8	386084 398528
372	**Points of Interest - Commercial Services** Name: Ancoats Autos Ltd Location: Unit 1-5 Chancel Place, Store Street, Manchester, M1 2WB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	862	8	385128 398161
373	**Points of Interest - Commercial Services** Name: The Audience Agency Location: 46-50 Oldham Street, Manchester, M4 1LE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (SW)	866	8	384569 398551
374	**Points of Interest - Commercial Services** Name: S G Transport & Plant Hire Ltd Location: 240-248 Collyhurst Road, Manchester, M40 7RQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NW (N)	882	8	385058 399982
374	**Points of Interest - Commercial Services** Name: Alpha Motor Engineering Location: 240-248 Collyhurst Road, Manchester, M40 7RQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	883	8	385058 399983
375	**Points of Interest - Commercial Services** Name: Aa Autos Location: 29 Honey St, Manchester, Lancashire, M8 8RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	915	8	384558 399688
375	**Points of Interest - Commercial Services** Name: United Location: 25b Honey Street, Manchester, M8 8RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	925	8	384534 399674
375	**Points of Interest - Commercial Services** Name: J D Robinson Ironwork Location: 25a Honey Street, Manchester, M8 8RG Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A17SW (NW)	930	8	384533 399681
375	**Points of Interest - Commercial Services** Name: United Garage Location: 25b Honey Street, Manchester, M8 8RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	930	8	384533 399681
375	**Points of Interest - Commercial Services** Name: Quick Start Location: Unit 5, Collingham Street, Manchester, M8 8RQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	946	8	384520 399690
375	**Points of Interest - Commercial Services** Name: Quick Start Garage Location: Unit 5, Collingham Street, Manchester, M8 8RQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	946	8	384520 399690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
375	**Points of Interest - Commercial Services** Name: D Best Car Commerical Garage Location: Unit 4, Collingham Street, Manchester, M8 8RQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	953	8	384506 399684
375	**Points of Interest - Commercial Services** Name: Z Cars Auto Services Location: Unit 3, Collingham Street, Manchester, M8 8RQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	960	8	384492 399679
375	**Points of Interest - Commercial Services** Name: Z Cars Auto Services Location: Unit 3, Collingham Street, Manchester, M8 8RQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	960	8	384492 399678
376	**Points of Interest - Commercial Services** Name: Carriages Location: Arch 5, Corporation Street, Manchester, M4 4DG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11NE (W)	954	8	384301 399198
376	**Points of Interest - Commercial Services** Name: Carriages Location: Arch 5, Corporation Street, Manchester, M4 4DG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11NE (W)	961	8	384294 399194
377	**Points of Interest - Commercial Services** Name: Transporter Location: 5 Roger Street, Manchester, M4 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (W)	956	8	384347 399407
378	**Points of Interest - Commercial Services** Name: Autocraft Location: Collingham Street, Manchester, M8 8RQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NW (NW)	961	8	384605 399800
379	**Points of Interest - Commercial Services** Name: 1a A Abbey Rapid Kill Pest Control Services Location: 48 Harrowby Drive, Manchester, M40 8LP Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A19NW (N)	966	8	385665 400045
380	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	0	8	385308 399052
380	**Points of Interest - Manufacturing and Production** Name: Factory Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	0	8	385308 399052
381	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	83	8	385165 399091
381	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	83	8	385165 399091

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
382	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	156	8	385275 398854
382	**Points of Interest - Manufacturing and Production** Name: Factory Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	161	8	385266 398853
383	**Points of Interest - Manufacturing and Production** Name: Crown Industrial Estate Location: M4 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	179	8	385139 398939
383	**Points of Interest - Manufacturing and Production** Name: Poland Street Industrial Estate Location: M4 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	186	8	385169 398894
384	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	181	8	385556 398974
384	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	182	8	385557 398974
384	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	188	8	385568 398992
384	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	203	8	385585 399008
385	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	264	8	385151 398802
385	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	267	8	385154 398795
385	**Points of Interest - Manufacturing and Production** Name: Factories Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	279	8	385108 398822
385	**Points of Interest - Manufacturing and Production** Name: Factories Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A13SW (SW)	286	8	385104 398816

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
385	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	302	8	385121 398777
385	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	306	8	385116 398776
385	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	314	8	385173 398727
385	**Points of Interest - Manufacturing and Production** Name: Factory Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	321	8	385167 398722
385	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	332	8	385113 398745
385	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	336	8	385108 398744
385	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	348	8	385065 398767
385	**Points of Interest - Manufacturing and Production** Name: Beehive Mill Location: Unit 2j Beehive Mill, Jersey Street, Manchester, M4 6JG Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A8NW (SW)	364	8	385093 398720
386	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	335	8	385004 398857
386	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	348	8	384994 398850
386	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	351	8	384990 398849
387	**Points of Interest - Manufacturing and Production** Name: Sudell Street Industrial Estate Location: M4 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	431	8	384822 399150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
388	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	435	8	385006 398703
388	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	451	8	384989 398697
388	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	454	8	384985 398696
389	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	438	8	385108 398621
389	**Points of Interest - Manufacturing and Production** Name: Factories Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	470	8	385054 398617
390	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	505	8	384792 399303
390	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	573	8	384737 399345
390	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	575	8	384734 399344
391	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	532	8	385785 398678
391	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	606	8	385833 398620
391	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A9NW (SE)	608	8	385836 398621
392	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	577	8	384843 399497

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
392	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	597	8	384792 399472
393	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	589	8	384844 398653
393	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	590	8	384841 398655
393	**Points of Interest - Manufacturing and Production** Name: Factory Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A7NE (SW)	615	8	384849 398607
393	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	617	8	384850 398603
394	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	589	8	385493 398429
394	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	617	8	385526 398410
394	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	632	8	385492 398385
394	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	642	8	385498 398376
395	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	608	8	385702 398507
395	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	610	8	385707 398508
396	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	618	8	385527 399725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
396	**Points of Interest - Manufacturing and Production** Name: Factory Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A18SE (N)	629	8	385530 399736
397	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	619	8	384761 398705
398	**Points of Interest - Manufacturing and Production** Name: Enterprise Centre Location: 14-16 Rochdale Road, Manchester, M4 4JR Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A12SW (W)	619	8	384635 399008
399	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	620	8	385795 398562
399	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	620	8	385795 398562
399	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	625	8	385784 398546
399	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	628	8	385788 398546
400	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	633	8	384964 399660
401	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	646	8	385971 398759
401	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (SE)	670	8	386004 398774
401	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (SE)	673	8	386007 398774
402	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	650	8	385679 399686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
402	**Points of Interest - Manufacturing and Production** Name: Factory Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A19SW (NE)	651	8	385682 399686
403	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	667	8	384582 399069
403	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	687	8	384562 399112
403	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	694	8	384556 399133
403	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	699	8	384549 399094
403	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	722	8	384527 399118
404	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	677	8	385955 398663
404	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	681	8	385960 398664
404	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	684	8	385972 398678
404	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	688	8	385977 398679
404	**Points of Interest - Manufacturing and Production** Name: Factory Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A14SE (SE)	710	8	386030 398733
404	**Points of Interest - Manufacturing and Production** Name: Factory Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A9NW (SE)	710	8	385979 398640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
404	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	713	8	386029 398725
404	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	727	8	386009 398656
404	**Points of Interest - Manufacturing and Production** Name: Factory Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A9NE (SE)	729	8	386011 398655
404	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	756	8	386012 398607
404	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	756	8	386012 398607
405	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	678	8	385367 398320
406	**Points of Interest - Manufacturing and Production** Name: The Victoria Industrial Estate Location: M4 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A8SE (SE)	678	8	385643 398392
407	**Points of Interest - Manufacturing and Production** Name: Cariocca Enterprise Park Location: M40 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	685	8	385965 399445
407	**Points of Interest - Manufacturing and Production** Name: Cariocca Enterprises Location: Unit 1 Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A19SW (NE)	701	8	385979 399452
407	**Points of Interest - Manufacturing and Production** Name: Cariocca Enterprises Location: Unit 1 Cariocca Business Park, Sawley Road, Miles Platting, Manchester, M40 8BB Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A19SW (NE)	701	8	385979 399452
407	**Points of Interest - Manufacturing and Production** Name: Enterprise Park Cariocca Location: M40 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	733	8	386005 399471

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
408	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	721	8	384894 399719
408	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	721	8	384894 399719
409	**Points of Interest - Manufacturing and Production** Name: River Park Estate Ltd Location: 25 Rochdale Road, Manchester, M4 4HT Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A12SW (W)	738	8	384517 398985
409	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	787	8	384464 399022
410	**Points of Interest - Manufacturing and Production** Name: Stone Superstore Location: 79 Tib Street, Manchester, M4 1LS Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A7NW (SW)	744	8	384609 398707
411	**Points of Interest - Manufacturing and Production** Name: Advantage Business Centre Location: 132-134 Great Ancoats Street, Manchester, M4 6DE Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A8SW (S)	748	8	385093 398291
411	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	812	8	385087 398225
411	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	815	8	385080 398224
412	**Points of Interest - Manufacturing and Production** Name: Tank Location: M40 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	748	8	386094 399302
412	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	799	8	386127 399368
412	**Points of Interest - Manufacturing and Production** Name: Tanks Location: M40 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	821	8	386153 399360
412	**Points of Interest - Manufacturing and Production** Name: Tanks Location: M40 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	838	8	386160 399391

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
413	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (NW)	752	8	384560 399389
414	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	758	8	384823 398432
415	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (SE)	763	8	386094 398749
415	**Points of Interest - Manufacturing and Production** Name: Factory Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A14SE (SE)	763	8	386093 398746
415	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	793	8	386123 398740
415	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	793	8	386123 398740
415	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	868	8	386208 398757
415	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	868	8	386208 398757
416	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	765	8	385988 398558
416	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	768	8	385993 398559
416	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	791	8	386015 398550
417	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (SW)	809	8	384982 398269

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
417	**Points of Interest - Manufacturing and Production** Name: Factory Location: M1 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A8SW (SW)	809	8	384982 398270
417	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	857	8	385035 398196
417	**Points of Interest - Manufacturing and Production** Name: Works Location: M1 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	861	8	385029 398194
417	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	884	8	384993 398183
417	**Points of Interest - Manufacturing and Production** Name: Junction Works Location: M1 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	919	8	384909 398183
418	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	810	8	385493 398202
418	**Points of Interest - Manufacturing and Production** Name: Vulcan Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	813	8	385535 398209
418	**Points of Interest - Manufacturing and Production** Name: Vulcan Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	816	8	385540 398207
419	**Points of Interest - Manufacturing and Production** Name: Vale Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	841	8	384470 399405
419	**Points of Interest - Manufacturing and Production** Name: Vale Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	841	8	384470 399406
419	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	891	8	384412 399393
419	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	893	8	384409 399393

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
420	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	844	8	385450 398161
421	**Points of Interest - Manufacturing and Production** Name: The Studio Location: The Hive 51, Lever Street, Manchester, M1 1FN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A7NW (SW)	852	8	384615 398517
422	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	856	8	384940 399905
422	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	856	8	384937 399904
423	**Points of Interest - Manufacturing and Production** Name: Tanks Location: M40 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	863	8	386234 398882
424	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	891	8	386149 398571
425	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	901	8	384537 399640
425	**Points of Interest - Manufacturing and Production** Name: Works Location: M8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	901	8	384537 399640
426	**Points of Interest - Manufacturing and Production** Name: Works Location: M4 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	909	8	385782 398204
426	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	911	8	385786 398204
427	**Points of Interest - Manufacturing and Production** Name: Holtown Industrial Estate Location: M11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NE (E)	914	8	386246 398724
428	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	919	8	385262 398082

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
428	**Points of Interest - Manufacturing and Production** Name: Factory Location: M1 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A3NW (S)	964	8	385183 398046
428	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	969	8	385185 398040
428	**Points of Interest - Manufacturing and Production** Name: Crusader Works No 1 Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A3NW (S)	995	8	385128 398025
429	**Points of Interest - Manufacturing and Production** Name: Tanks Location: M40 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	937	8	386237 399463
429	**Points of Interest - Manufacturing and Production** Name: Tanks Location: M40 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SE (E)	977	8	386281 399462
430	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NW (NW)	943	8	384578 399750
430	**Points of Interest - Manufacturing and Production** Name: Factory Location: M8 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A17NW (NW)	944	8	384579 399752
430	**Points of Interest - Manufacturing and Production** Name: Dar Marble & Granite Ltd Location: 61 Collingham Street, Manchester, M8 8RQ Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A17NW (NW)	946	8	384579 399755
430	**Points of Interest - Manufacturing and Production** Name: D A R Marble & Granite Ltd Location: 61 Collingham Street, Manchester, M8 8RQ Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A17NW (NW)	946	8	384578 399754
431	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	965	8	384283 399096
432	**Points of Interest - Manufacturing and Production** Name: Tank Location: M40 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	988	8	386371 399002
433	**Points of Interest - Manufacturing and Production** Name: Works Location: M40 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	990	8	385016 400081

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
433	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	992	8	385011 400082
434	**Points of Interest - Public Infrastructure** Name: Collyhurst Police Station Location: Collyhurst Police Station, Rochdale Road, Manchester, M4 4JA Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	462	8	384847 399316
435	**Points of Interest - Public Infrastructure** Name: Manchester Central Fire Station Location: Fire Station, Thompson Street, Manchester, M4 5FP Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A12SE (W)	466	8	384801 398958
435	**Points of Interest - Public Infrastructure** Name: Fire Station S16 Greater Manchester Fire Civil Defence Authority Location: Fire Station, Thompson Street, Manchester, M4 5FP Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A12SE (W)	466	8	384801 398958
436	**Points of Interest - Public Infrastructure** Name: Weir Location: M40 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	493	8	385860 399185
437	**Points of Interest - Public Infrastructure** Name: Weir Location: M4 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	646	8	384971 398461
438	**Points of Interest - Public Infrastructure** Name: Weir Location: M40 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	689	8	384861 399657
439	**Points of Interest - Public Infrastructure** Name: Farlam Waste Management Ltd Location: Dantzic Street, Manchester, M4 4DD Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A17SE (NW)	709	8	384657 399479
440	**Points of Interest - Public Infrastructure** Name: Weir Location: M40 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	711	8	386046 399332
441	**Points of Interest - Public Infrastructure** Name: Sluice Location: M4 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	756	8	385415 398245
442	**Points of Interest - Public Infrastructure** Name: Bus Station Location: M1 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	840	8	384616 398535
443	**Points of Interest - Public Infrastructure** Name: Weir Location: M40 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	910	8	384981 399983

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
444	**Points of Interest - Public Infrastructure** Name: Weir Location: M11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	985	8	386324 398734
445	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	76	8	385215 399009
445	**Points of Interest - Recreational and Environmental** Name: Playground Location: Portugal Street, M4 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	76	8	385215 399009
445	**Points of Interest - Recreational and Environmental** Name: Playground Location: Wadeford Close, M4 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SW (SW)	87	8	385227 398978
446	**Points of Interest - Recreational and Environmental** Name: Playground Location: Oldbury Close, M40 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13NE (E)	146	8	385521 399104
447	**Points of Interest - Recreational and Environmental** Name: Playground Location: Troutbeck Avenue, M4 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8NE (SE)	344	8	385543 398719
448	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	456	8	385834 398961
448	**Points of Interest - Recreational and Environmental** Name: Playground Location: Marcer Road, M40 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SW (E)	457	8	385836 398963
449	**Points of Interest - Recreational and Environmental** Name: Playground Location: Lower Vickers Street, M40 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14NW (E)	474	8	385832 399221
449	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	477	8	385842 399195
450	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	521	8	385684 399519
451	**Points of Interest - Recreational and Environmental** Name: Playground Location: Kirkwood Drive, M40 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SE (N)	523	8	385349 399664

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
451	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	527	8	385347 399668
452	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	620	8	385994 399137
453	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	696	8	384783 399605
453	**Points of Interest - Recreational and Environmental** Name: Playground Location: Collyhurst Road, M40 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	701	8	384775 399604
454	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	725	8	385170 399849
455	**Points of Interest - Recreational and Environmental** Name: Playground Location: Danson Street, M40 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14NE (E)	797	8	386168 399176
455	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	800	8	386171 399176
456	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	802	8	386075 398621
456	**Points of Interest - Recreational and Environmental** Name: Playground Location: Cyrus Street, M40 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9NE (SE)	804	8	386075 398617
457	**Points of Interest - Recreational and Environmental** Name: Playground Location: Iron Street, M40 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14NE (E)	931	8	386293 399250
457	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	932	8	386294 399251
458	**Points of Interest - Recreational and Environmental** Name: Playground Location: Gurney Street, M4 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	971	8	385949 398237

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
458	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	975	8	385957 398237
459	**Points of Interest - Recreational and Environmental** Name: Playground Location: Kirkhaven Square, M40 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	978	8	386112 399740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
460	**Nitrate Vulnerable Zones** Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SE (SW)	0	9	385323 399069

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Stockport Metropolitan Borough Council - Environment Team (Land & Water)	December 2014	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	March 2015	Annually
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
Bury Metropolitan Borough Council - Environmental Health Department	October 2013	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	September 2013	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	October 2016	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	January 2017	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Annual Rolling Update
Salford City Council - Environmental Health Department	March 2015	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	July 2015	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Annual Rolling Update
Salford City Council - Environmental Health Department	March 2015	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Annual Rolling Update
Salford City Council - Environmental Health Department	March 2015	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	September 2013	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	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
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable

Agency & Hydrological	Version	Update Cycle
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	January 2017	Quarterly
Water Abstractions Environment Agency - North West Region	October 2016	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	January 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	February 2017	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2016	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2016	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2016	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2016	Quarterly
Flood Defences Environment Agency - Head Office	November 2016	Quarterly
Detailed River Network Lines Environment Agency - Head Office	September 2014	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	January 2017	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	August 2016	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	October 2016	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
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	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	July 2016	Bi-Annually
Explosive Sites		
Health and Safety Executive	September 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Trafford Metropolitan Borough Council	April 2016	Annual Rolling Update
Bury Metropolitan Borough Council	February 2016	Annual Rolling Update
Manchester City Council - Planning Department	February 2016	Annual Rolling Update
Oldham Metropolitan Borough Council	February 2016	Annual Rolling Update
Rochdale Metropolitan Borough Council	February 2016	Annual Rolling Update
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Annual Rolling Update
Tameside Metropolitan Borough Council - Planning and Building Control	February 2016	Annual Rolling Update
Salford City Council	June 2016	Annual Rolling Update
Planning Hazardous Substance Consents		
Trafford Metropolitan Borough Council	April 2016	Annual Rolling Update
Bury Metropolitan Borough Council	February 2016	Annual Rolling Update
Manchester City Council - Planning Department	February 2016	Annual Rolling Update
Oldham Metropolitan Borough Council	February 2016	Annual Rolling Update
Rochdale Metropolitan Borough Council	February 2016	Annual Rolling Update
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Annual Rolling Update
Tameside Metropolitan Borough Council - Planning and Building Control	February 2016	Annual Rolling Update
Salford City Council	June 2016	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2016	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	October 2015	As notified
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	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	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2017	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2016	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	December 2016	Quarterly
Points of Interest - Education and Health PointX	December 2016	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2016	Quarterly
Points of Interest - Public Infrastructure PointX	December 2016	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2016	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	August 2016	Bi-Annually
Areas of Adopted Green Belt		
Bury Metropolitan Borough Council	November 2016	As notified
Manchester City Council	November 2016	As notified
Oldham Metropolitan Borough Council	November 2016	As notified
Rochdale Metropolitan Borough Council	November 2016	As notified
Salford City Council	November 2016	As notified
Stockport Metropolitan Borough Council	November 2016	As notified
Tameside Metropolitan Borough Council	November 2016	As notified
Trafford Metropolitan Borough Council	November 2016	As notified
Areas of Unadopted Green Belt		
Bury Metropolitan Borough Council	November 2016	As notified
Manchester City Council	November 2016	As notified
Oldham Metropolitan Borough Council	November 2016	As notified
Rochdale Metropolitan Borough Council	November 2016	As notified
Salford City Council	November 2016	As notified
Stockport Metropolitan Borough Council	November 2016	As notified
Tameside Metropolitan Borough Council	November 2016	As notified
Trafford Metropolitan Borough Council	November 2016	As notified
Areas of Outstanding Natural Beauty		
Natural England	January 2017	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	January 2017	Bi-Annually
Marine Nature Reserves		
Natural England	January 2017	Bi-Annually
National Nature Reserves		
Natural England	January 2017	Bi-Annually
National Parks		
Natural England	February 2017	Bi-Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites		
Natural England	January 2017	Bi-Annually
Sites of Special Scientific Interest		
Natural England	January 2017	Bi-Annually
Special Areas of Conservation		
Natural England	January 2017	Bi-Annually
Special Protection Areas		
Natural England	January 2017	Bi-Annually
World Heritage Sites		
English Heritage - National Monument Record Centre	September 2015	Bi-Annually

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

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: 03708 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	**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
6	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
7	**The Coal Authority - Property Searches** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk
8	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	**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
10	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	**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 / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

APPENDIX J

(i) Conceptual Model

The report aims to identify land which could potentially be affected by contamination, such that it could affect the value or re-use of the land, or such that mitigation would be required for certain proposed end uses of the land.

The assessment also aims to identify land which would be regarded as 'contaminated land' under the terms of the Environmental Protection Act 1990, Part IIa. This act includes a stricter test for contaminated land than that outlined above. Land is considered to be contaminated if either:

- the land is causing significant harm to people, ecosystems or infrastructure; or
- there is a significant possibility that such harm could be caused; or
- Pollution of controlled waters is being, or is likely to be, caused.

The following situations are defined as being where harm is to be regarded as significant:

- chronic or quite toxic effect, serious injury or death to humans;
- irreversible or other adverse harm to the ecological system;
- substantial damage to or failure of buildings;
- death of, or disease or other physical damage affecting, livestock or crops;
- Pollution of controlled waters.

The risk assessment uses a 'Source-Pathway-Receptor' methodology for assessing whether a source of contamination could potentially lead to harmful consequences. This means that there needs to be a pollutant linkage from source to receptor for harm to be caused, this linkage consisting of:

- a source of pollution;
- a pathway for the pollutant to move along;
- A receptor that is affected by the pollutant.

As an example, the pollutant source could be an identified leak of oil or an area of dumped waste.



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The pathways could include transport of the contaminant by groundwater, surface water, windblown dust, or vapours, and for human receptors will include the means, by which contaminants enter the body, for example skin contact, ingestion and inhalation.

Receptors include people, other living organisms, the built environment and groundwater and surface waters (these latter two also being contaminant pathways).

The source-pathway-receptor methodology relationship allows an assessment of the environmental risk to be determined, based on the nature of the source, the degree of exposure of the receptor to the source and the sensitivity of the receptor.

This section of the report is based on the information set out in the previous sections of the report and should not be read independently of such sections.

Initial Conceptual Model

From the available information the preliminary conceptual model is visualised as follows:

Target (Receptor)	POTENTIAL SOURCE-PATHWAY LINKAGE
Site Users / Residents	Inhalation of soil gas, odours or dust.
	Ingestion of, and skin contact with, contaminated soil.
	Ingestion of contaminants in vegetables etc. or in soils adhering to vegetables, etc.
Construction/ Maintenance Workers.	Inhalation of soil gas, odours or dust
	Ingestion of, and skin contact with, contaminated soil
Plants	Adverse effects on growth caused by presence of contaminants in soil
Buildings and Structures	Flow of ground gas into buildings. Asphyxiation, toxicity, explosion and fire hazards
	Sulphate attack of foundations
	Hydrocarbons penetrating plastic water supply pipes
Groundwater	Migration of soluble contaminants into groundwater on or off site. Migration of oils into groundwater on or off site.
Surface Water	Migration of soluble contaminants and/or direct run-off of contaminants. Migration of oils into groundwater on or off site.

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Initial Environmental Risk Assessment

General

It is accepted that an environmental risk assessment can be based on a source-pathway-target model. An examination is carried out as to whether a target will be at risk from a contamination source, that a source exists, and whether there are any pathways (routes of exposure) which might actually link the source to the target.

Environmental risk assessments rely heavily on numerical trigger concentrations or guidelines because exposure of targets to contamination is difficult to quantify directly. Quantification of risk is therefore mainly undertaken for general scenarios in order to derive trigger levels. These are derived for various contaminants for particular targets and routes of exposure. An example of a sensitive target would be users of a domestic back garden, where routes of exposure might be skin contact, dust inhalation, direct ingestion and indirect ingestion via cultivation and consumption of fruit and vegetables.

In March 2002, the first parts of the new CLEA risk assessment guidance were released by DEFRA/Environment Agency.

The risk assessment approach is an extension of the 'fit for use' concept whereby land is cleaned up to a standard fit for the proposed use, that is, so all remaining risks are acceptable. However, as well as being 'fit for use', the environmental risk assessment approach also addresses the soil and water environment so that these are also safeguarded where necessary. For example if a site was contaminated with heavy metals and the development comprised the proposed construction of hard standings and buildings only, the fit-for-use approach might require no remediation for the site. However, consideration of the wider environment needs to address whether groundwater is being contaminated, and if so whether remediation is required for this reason.

The following classification presented by CIRIA has been used in the assessment of risk:

Estimation of risk from consideration of magnitude, consequences and probabilities				
Probability	**Consequences**			
	Severe	**Moderate**	**Mild**	**Minor**
High	Very high	High	Moderate	Moderate / Low
Medium	High	Moderate	Moderate / Low	Low
Low	Moderate	Moderate / Low	Low	Very Low
Unlikely	Moderate / Low	Low	Very Low	Very Low

Reference: Contaminated Land Risk Management; A Guide to Good Practice, CIRIA C552:2001.

CIRIA C665 Situation A Ground Gas Conceptual Model

The risk table contained in C665 is basically a modified risk assessment from CIRIA 152 1995, by which a conceptual model and semi-quantitative risk assessment can be made.

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APPENDIX K

(i) Notes on Ground Gas

Ground Gas

The Building Regulations and BRE Report 212 state that precautions are not mandatory against carbon dioxide unless 5.0% volume is exceeded. These documents do not give a threshold level for methane, but Baker suggests that this level is 0.1% volume. For methane up to 1.0% volume, and carbon dioxide above 5.0% volume, the Building Regulations and BRE Report state that passive measures may be adopted. Above 1.0% methane further specific guidance must be sought.

CIRIA Report 149 gives further guidance on the appropriate precautions for various gas regimes, called characteristic situations in this report. In the DETR Guide for Design by Ove Arup, various types of passive measures are assessed for performance with different gas regimes. The assessments used computational fluid dynamic (CFD) modelling.

A gas regime is essentially defined by two parameters:

i) The concentration of the gas (e.g. % methane)

ii) The emission rate of the gas from the ground.

The fact that two parameters are used is problematic if the site is to be classified on the basis of Table 28 in CIRIA Report 149. This is because high gas concentrations are often encountered which fall into an onerous gas regime; whereas the low flow rates which are also frequently encountered fall into less onerous gas regimes.

In order to use the Guide for Design to decide if passive measures are suitable, it is necessary to combine the gas concentration and the emission rate.

Three recent publications are used for ground gas risk assessment:

- CIRIA C665 (2007) for high rise residential / flats,
- 'Guidance on Evaluation of Development Proposals on Sites Where Methane and Carbon Dioxide are Present' Report Edition No.04 March 2007 NHBC – designed for use with low rise residential properties,
- BS8485:2015 (June 2015) 'Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings'

These documents improve upon the approach used in previous CIRIA and Wilson /Card Papers, by placing emphasis on gas flow rates, but still retain some reliance on the gas concentrations themselves.

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CIRIA C665 Situation A Ground Gas Conceptual Model

The risk table contained in C665 is basically a modified risk assessment from CIRIA 152 1995, by which a conceptual model and semi-quantitative risk assessment can be made.

High Rise / Flats (CIRIA 665 Table 8.5)

Characteristic Situation (CIRIA Report 149)	Risk Classification	Gas Screening Value (CH_4 or CO_2) (l/hr) [1]	Additional Factors	Typical Source of Generation
1	Very Low Risk	**<0.07**	Typically methane ≤1%v/v and/or carbon dioxide ≤5%v/v. Otherwise consider increase to Situation 2	Natural soils with low Organic content. "Typical" Made Ground
2	Low risk	**<0.7**	Borehole flow rate not to exceed 70l/hr. Otherwise consider increase to Situation 3	Natural soil, high peat/organic content. "Typical" Made Ground
3	Moderate Risk	**<3.5**		Old landfill, inert waste, Mine working flooded
4	Moderate to High Risk	**<15**	Quantitative risk assessment required to evaluate scope of protective measures	Mine working susceptible to flooding, completed landfill (WMP 26B criteria)
5	High Risk	**<70**		Mine working unflooded inactive with shallow workings near surface
6	Very High Risk	**>70**		Recent landfill site

Notes:

1. Gas screening value: litres of gas/hour is calculated by multiplying the gas concentration (%) by the measured borehole flow rate (l/hr);
2. Site characterisation should be based on gas monitoring of concentrations and borehole flow rates for the minimum periods as defined within within CIRIA Report 665;
3. Source of gas and generation potential/performance must be identified;
4. Soil gas investigation to be in accordance with guidance contained within CIRIA Report 665;
5. If there is no detectable flow, use the limit of detection of the instrument;
6. The boundaries between the Partners in Technology classifications do not fit exactly with the boundaries for the above classification.

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Typical scope of protective measures (extract from CIRIA Report 665 Table 8.6)

Characteristic Situation (from Table 8.5)	Number of Levels of Protection	Typical Scope of Protective Measures for Residential Building (not low-rise traditional housing)[1]
1	None	No special precautions
2	2	a) Reinforced concrete cast in situ floor slab (suspended, non-suspended or raft) with at least 1200g DPM and under-floor venting b) Beam and block or pre-cast concrete and 2000 g DPM/reinforced gas membrane and under-floor venting. All joints and penetrations sealed.
3	2	All types of floor slab as above. All joints and penetrations sealed. Proprietary gas resistant membrane and passively ventilated or positively pressurised under-floor sub-space.
4	3	All types of floor slab as above. All joints and penetrations sealed. Proprietary gas resistant membrane and passively ventilated under-floor subspace or positively pressurised under-floor sub-space, over-site capping or blinding and in ground venting layer
5	4	Reinforced concrete cast in situ floor slab (suspended, non-suspended or raft). All joints and penetrations sealed. Proprietary gas resistant membrane and ventilated or positively pressurised under-floor sub-space, over-site capping and in ground venting layer and in ground venting wells or barriers.
6	5	Not suitable unless gas regime is reduced first and quantitative risk assessment carried out to assess design of protection measures in conjunction with foundation design.

Notes:

1. Not suitable for use with low rise traditional housing. (Use the NHBC document instead);
2. Typical scope of protective measures may be rationalised for specific developments on the basis of quantitative risk assessments;
3. Note the type of protection is given for illustration purposes only. Information on the detailing and construction of passive protection measures is given in BR414 (Johnson, 2001). Individual site specific designs should provide the same number of separate protective methods for any given characteristic situation. See CIRIA Report 49;
4. In all cases there should be minimum penetration of ground slabs by services and minimum number of confined spaces such as cupboards above the ground slab. Any confined spaces should be ventilated;
5. Foundation design must minimise differential settlement particularly between structural elements and ground-bearing slabs;
6. Commercial buildings with basement car parks, provided with ventilation in accordance with the Building Regulations, may not require gas protection for Characteristic Situations 3 and 4;
7. Floor slabs should provide an acceptable formation on which to lay the gas membrane. If a block beam floor is used it should be well detailed so it has no voids in it that membranes have to span, and all holes for service penetrations should be filled. The minimum density of the blocks should be 600kg/m3 and the top surface should have a 4:1 ratio sand to cement grout brushed into all joints before placing any membrane (this is also good practice to stabilise the floor and should be carried out regardless of the need for ground gas membranes);
8. The ground gas-resistant membrane can also act as the damp-proof membrane;
9. Based on Building Regulations Approved Document C (Office of the Deputy Prime Minister, 2004a),which states that "a membrane below the concrete could be formed with a sheet of polyethylene, which should be at least 300mu thick (1200 gauge)". Please note the alteration from 300mm (as stated in the Approved Document C) to 300mu, as 300mm is a typographical error that has been recognised and corrected for within this report and CIRIA Report 665.

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Low Rise Residential (NHBC)

Table 14.1: Gas Risk Assessment - Traffic Lights with Typical Maximum Concentrations and Gas Screening Values

	Methane [1]		Carbon Dioxide [1]	
Classification	**Typical Maximum Concentration** [3] (%v/v)	**Gas Screening Value** [2,4] (l/hr)	**Typical Maximum Concentration** [3] (%v/v)	**Gas Screening Value** [2,4] (l/hr)
Green				
	1	**0.13**	5	**0.78**
Amber 1				
	5	**0.63**	10	**1.60**
Amber 2				
	20	**1.60**	30	**3.10**
Red				

Notes:

1. The worst-case ground gas regime identified on the site, either methane or carbon dioxide, at the worst case temporal conditions that the site may be expected to encounter will be the decider as to what Traffic Light is allocated;
2. Borehole Gas Volume Flow Rate, in litres per hour as defined in Wilson and Card (1999), is the borehole flow rate multiplied by the concentration in the air stream of the particular gas being considered;
3. The Typical Maximum Concentrations can be exceeded in certain circumstances should the Conceptual Site Model indicate it is safe to do so;
4. The Gas Screening Value thresholds should not generally be exceeded without the completion of a detailed ground gas risk assessment taking into account site-specific conditions.

Table 14.2: Ground Gas Protection Measures Required for the Traffic Lights

Traffic Light	Ground Gas Protection Measures Required
Green	Ground gas protection measures are not required. (note based on standard NHBC house detail with 150mm void space under suspended floor)
Amber 1	Low-level ground gas protection measures are required, using a membrane and ventilated sub-floor void that creates a permeability contrast to limit the ingress of gas into buildings. Gas protection measures are to be installed as prescribed in BRE 414. Ventilation of the sub-floor void should be designed to provide a minimum of one complete volume change per 24 hours.
Amber 2	High-level ground gas protection measures are required, creating a permeability contrast to prevent ingress of gas into buildings. Gas protection measures are to be installed as prescribed in BRE 414. **Membranes used should always be fitted by a specialist contractor and should be fully certified (see Appendix G).** As with Amber 1, ventilation of the sub-floor void should be designed to provide a minimum of one complete volume change per 24 hours.
Red	Standard residential housing is not normally acceptable without further Ground Gas Risk Assessment and/or possible remedial mitigation measures to reduce/remove the source of the ground gases. In certain circumstances, active protection methods could be applied, but only when there is a legal agreement assuring the management and maintenance of the system for the life of the property.

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BS8485:2015 Code of Practice for design of protective measures for CH_4 and CO_2 ground gases for new buildings

Table 3 page 21: Building Types

	Type A	Type B	Type C	Type D
Ownership	Private	Private or commercial/public, possible multiple	Commercial/Public	Commercial/Industrial
Control (change of use, structural alterations,ventilation)	None	Some but not all	Full	Full
Room Sizes	Small	Small/medium	Small to large	large industrial/retail park style

Type A) Private ownership with no building management controls on alterations to the internal structure, the use of rooms, the ventilation of the rooms or the structural fabric of the building. Some small rooms present. Probably conventional building construction (rather than civil engineering). Examples include private housing and some retail premises.

Type B) Private or commercial property with central building management control of any alterations to the buildings or its uses but limited or no central building management control of the maintenance of the building, including gas protection measures. Multiple occupancy. Small to medium size rooms with passive ventilation of rooms and other internal spaces throughout the ground floor and basement areas. May be conventional building or civil engineering construction. Examples include managed apartments, multiple occupancy offices, some retail premises and parts of public buildings (such as schools, hospitals and leisure centres) and parts of hotels.

Type C) Commercial building with central building management control of any alterations to the building or its uses and central building management control of the maintenance of the building, including the gas protection measures. Small to large rooms with active ventilation or good passive ventilation of all rooms and other internal spaces throughout ground floor and basement areas. Probably civil engineering construction. Examples include offices, some retail premises and parts of some public buildings (such as schools, hospitals, leisure centres and parts of hotels).

Type D) Industrial style building having large volume internal spaces that are well ventilated. Corporate ownership with building management controls on alterations to the ground floor and basement of the building and on maintenance of ground gas protective measures. Probably civil engineering construction. Examples are retail park sales buildings, factory shop floors, warehouses. (Small rooms within these style buildings should be separately categorised as Type B or Type C).

Table 4 page 22: Gas Protection Score by CS and Type of Building

Characteristic Gas Situation, CS	NHBC Traffic Light	Required Gas Protection High Risk			
		High Risk		Medium Risk	Low Risk
		Type A Building	Type B Building	Type C Building	Type D Building
1	Green	0	0	0	0
2	Amber 1	3.5	3.5	2.5	1.5
3	Amber 2	4.5	4	3	2.5
4	Red	6.5 A)	5.5 A)	4.5	3.5
5		- B)	6.5 A)	5.5	4.5
6		- B)	- B)	7.5	6.5

NOTE Traffic light indications are taken from NHBC Report No: 10627-R01 (04) [3] and are mainly applicable to low-rise residential housing. These are for comparative purposes but the boundaries between the traffic light indications and CS values do not coincide.

A) Residential buildings should not be built on CS4 or higher sites unless the type of construction or site circumstances allow additional levels of protection to be incorporated e.g. high performance ventilation or pathway intervention measures, and an associated sustainable system of management of maintenance of the gas control system e.g. in institutional and/or fully service contractual situations.

B) The gas hazard is too high for this empirical method to be used to define the gas protection measures.

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Selection of Appropriate Measures Section 7.2 BS8485:2015

Structural Barriers - Table 5 Gas Protection Scores for Structural Barriers pg 23

Floor and Substructure Design (Annex A)	Score A)
Precast suspended segmental subfloor (i.e. beam and block)	**0**
Cast in situ ground bearing floor slab (with nominal mesh reinforcement)	**0.5**
Cast in situ monolithic reinforced ground bearing raft or reinforced cast in situ suspended floor slab with minimal penetrations	**1 or 1.5** B)
Basement floor and walls conforming to BS 8210:2009 Grade 2 waterproofing C)	**2**
Basement floor and walls conforming to BS 8210:2009 Grade 3 waterproofing C)	**2.5**
A) the scores are conditional on breaches of floor slabs etc being effectively sealed **B)** to acheieve the score of 1.5 the raft or suspended slab should be well reinforced to control cracking and have mininal pentrations in cast in (A2.2.2) **C)** the score is conditional on the waterproofing not being used on the use of geosynthetic clay liner waterproofing product (seeC3 Note 4)	

Ventilation Measures

Ventilation protection measures should be one of five types and points can only be scored for one of these measures;

a) Pressure relief pathway only (no effective dispersal layer)
b) Passive dispersal layer
c) Active dispersal layer (fan suction)
d) Active positive pressurisation (air blanket)
e) Ventilated basement substructure present.

Note 1 - for Type A buildings active ventilation measures are inappropriate
Note 2 – There are a wide range of different media used to form gas dispersal layer for both passive and active systems, and are more likely to be developed
Note 3 – The types of media include expanded polystyrene void formers, geocomposite void formers, no (low) fines gravel and drains formed by perforated pipes or geocomposites.
Note 4 – The continuity of the media beneath the floor slab might be interrupted by ground beams, pile caps, edge beams and other intrusions extending below the level of the media blanket, which might significantly reduce the effectiveness of the dispersal layer.
Note 5 – The effective volume of the gas dispersal layer might be reduced by its placement on a soft layer (for example sand binding) which reduces its gas permeability and dispersal effectiveness. The effective volume would also be reduced or eliminated if the media became flooded with groundwater or clay heave.
Note 6 – The performance of passive systems can be significantly affected by the number and type of side ventilation terminals. Common side terminals are airbricks, low level vents and high level vent stacks. Guidance on side ventilation is given in Annex B

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Table 6 Gas Protection Measures for Ventilation Protection Measures

Protection Element/System	Score	Comments
a) Pressure relief pathway (usually formed of low fines gravel or with a thin geocomposite blanket or strips terminating in a gravel trench external to the building).	**0.5**	Whenever possible a pressure relief pathway (as a min) should be installed in all gas protection measures systems. If the layer has a low perm and/or is not terminated in a venting trench (or similar) then the score is zero.
b) Passive sub floor dispersal layer: Very good performance Good performance Media used to provide dispersal layer are ***Clear void** ***Polystyrene void former blanket** ***Geocomposite void former blanket** ***No fines gravel layer with gas drains** ***No fines gravel layer**	 **2.5** **1.5**	Performance criteria for methane and carbon dioxide are shown in Fig B.6 and B.7 respectively. The ventilation effectiveness of different media depends on the number of different factors including the transmissivity of the medium, the width of the building ,the side ventilation spacing and type and thickness of the layer. The selected score should be assigned taking into account the recommendatons in Annex B. Passive ventilation should be designed to meet at least good performance, see Annex B.
c) Active dispersal layer, usually comprising fans with active abstraction (suction) from a subfloor dilution layer, with roof level vents. The dilution layer may comprise a clear void or be formed of geocomposite or polystyrene void formers.	**1.5-2.5**	This system relies on continued serviceability of the pumps, therefore alarm and response systems should be in place. There should be a robust management systems in place to ensure the continued maintenance of the system, incluidng pumps and vents. Active ventilation should always be designed for good performance as described in Annex B.
d) Active pressurisation by the creation of a blanket of external fresh air beneath the building floor slab by pumps supplying air to the points across the central footprint of the building into a permeable layer, usually formed of a thin geocompsite blanket.	**1.5-2.5**	This system relies on continued operation of the pumps, therefore alarm and response systems in place. The score assigned should be based on the coverage of the building footprint and the redundancy of the system.Active ventilation should always be desinged to meet at least good performance.

Gas Membranes

Gas resistant membranes should be;

a) Sufficiently impervious to methane (CH^4) and carbon dioxide (CO^2)
b) Capable after installation of providing a complete barrier to the entry of the relevant gas
c) Sufficiently durable to remain serviceable for the anticipated life of the building and duration of gas emissions
d) Sufficiently strong to withstand in service stresses (e.g. due to ground settlement if placed below floor slab)
e) Sufficiently strong to withstand the installation process and following construction activities until covered (e.g. penetration from steel fibres in fibre reinforced concrete, penetration of reinforcement ties, tearing due to working above it and dropping of tools
f) Chemically resistant to degradation by other contaminants that might be present

Note 1 – a methane gas transmission rate of <40ml/day/m^2latm(avg) for sheets and joints (BSISO15105-1) usually considered sufficient
Note 2 – Guidance on the relevant properties of a), c) and e) is provided in CIRIA C748 [10]
Note 3 – Advice on membrane selection is in Annex C.
Note 4 – The installation and subsequent protection of the membrane are key factors in its performance. A poorly installed membrane cannot perform, however a well detailed and irrespective of the performance of the material. Historically ref was made to verification and integrity testing without any referenced documents against which to judge. The verification process is now described in CIRIA C735 [N1] and as such confidence in the installation can be measured. The process removes the uncertainty of unqualified or inexperienced installation operatives by requiring a ***verification plan*** to be drawn up prior to installation, with frequency and type of verification being dependent on the qualifications of the operatives, site risk and design criteria. (see 8.3.2 pg 30)
Note 5 – Current guidance on verification recommendations takes in account the risk of the overall design and confidence of installation and sets a frequency and level of verification appropriate.

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Protection Element/System	Score	Comments
Gas resistant membrane meeting all of the following criteria:	2	The performance of the membranes is heavily dependent on the quality and design of the installation, resistance to damage after installation and integrity of joints. For example a minimum 0.4mm thickness (equivalent 370g/m^2 for polyethelene) reinforced membrane (virgin polymer) meets performance in Table 7 (see C3). If a membrane is isntalled that does not meet all the criteria in Column 1 the score is Zero
* sufficiently impervious tp the gases with a methane gas transmission rate <40ml/day/m2latm(avg) for sheet and joints BS ISO15105-1		
*sufficiently durable to remain servicable for the anticipated life of the building and duration of gas emissions		
*sufficiently strong to withstand in-serivce stresses (eg settlement if placed below floor slab)		
*e) Sufficiently strong to withstand the installation process and following construction activities until covered (e.g. penetration from steel fibres in fibre reinforced concrete, penetration of reinforcement ties, tearing due to working above it and dropping of tools		
*capable after installation of providing a complete barrier to the entry of relevant gases		
*verified in accordance with CIRIA C735 [N1]		

In-Ground Pathway Intervention - A sites in-ground pathways from offsite sources should be investigated for migratory gases – ***Note 1*** methods of pathway intervention include simple vertical membrane installations, vent trenches, rows of stone columns, activated trenches and proprietary systems. ***Note 2*** – for residential dwellings, management and maintenance is only acceptable where pathway intervention measures (e.g. venting trenches) are beyond the extent of the buildings, on or close to the boundary of the property in a positon where access can be guaranteed.

Detailed Design – Once the design measures have been selected in accordance with Section 7.2, these should be developed into a detailed design supported by detailed drawings and specifications. The design should bd described in the design report Section 8.3.

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APPENDIX L

(i) Off-site Disposal of Surplus Soil Guidance Notes

The disposal of waste (including surplus soils and contaminated soils) to landfill sites is governed by the *Landfill (England & Wales) Regulations 2002*, the *Hazardous Waste Technical Guidance document WM2 (2003)* and associated legislation.

One of the aims of the above legislation is to encourage waste producers (including developers disposing of surplus soils etc) to reduce their waste (and not just discard and disown it). This can be achieved by recycling or reusing the waste. In the case of contaminated sites where leaving contaminated material in-situ poses a risk to a potential receptor such as groundwater resources, further testing and assessment for such risk could reduce the quantities requiring disposal. If there is still unacceptable risk from contaminated soil being left in place, then it may be possible to reduce the risk to an acceptable level (such that the material can be left in place) by in-situ or ex-situ clean-up of the soils.

Before waste can be disposed of, the producer of the waste must undertake a number of steps. '*Initial Waste Testing and Characterisation'* is firstly undertaken to determine whether the waste is non-hazardous or hazardous. The exceptions are that some wastes such as coal tars, 'tank bottom sludge's', etc are immediately classed as hazardous, regardless of any testing or threshold concentrations.

Any inert or hazardous waste destined for landfill must undergo '*Compliance Testing'* using the Waste Acceptance Criteria (WAC). There are different inert and hazardous WAC limits relating to landfill sites that are correspondingly licensed to accept inert or hazardous waste.

If the '*Initial Waste Testing and Characterisation'* shows a waste to be hazardous, then it is a requirement that the material be tested against the WAC-hazardous suite of tests. If it *passes* the WAC-hazardous testing, then it can be taken to a hazardous waste landfill site. If the material *fails* the WAC-hazardous testing, then the material must be treated before undergoing re-characterisation, further WAC-hazardous testing and then potential disposal at a hazardous waste disposal site.

If the '*Initial Waste Testing and Characterisation'* shows a waste to be non-hazardous, then it can be taken to a non-hazardous waste landfill site, without further testing. The producer may however decide to undertake WAC-inert testing, in an attempt to reclassify the waste as inert, in which case the waste could then go to an inert landfill site.

The volumes of soils associated with potential hotspots on a site (be they hazardous or non-hazardous) which might require off-site disposal, could potentially be reduced by further on-site sampling and subsequent testing.

With regard to the *Compliance Testing*, it should be noted that some landfill sites are permitted to increase the standard WAC-hazardous/inert limit concentrations, such that they might accept waste that would normally fail such limits.

We would recommend that the contamination testing results (including the history of the site) be presented to the proposed landfills, to determine if they will accept waste generated at the site and what classification they would impose.

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APPENDIX M

(i) Validation Report Guidance Notes

Unforeseen Hotspots of Contamination

Given the existence of made ground on the site it would be prudent to maintain vigilance during site clearance and construction, in case any further areas of suspected contamination are encountered.

If areas are found then a suitably qualified person should undertake appropriate sampling, testing and further risk assessment.

Any hotspots encountered during site clearance, not previously encountered in the ground investigation, are to be removed to a suitably licensed landfill site.

A validation report (see below) will be produced on completion of these works. This report will serve to confirm that the works were undertaken in accordance with the relevant legislation, the method statement, specification and planning conditions.

Validation Report Recommendations

It is suggested that the following records will be kept on site to provide a basis for the validation report:

- Daily record sheets of the remediation works to include a summary of the day's activities
- Weather conditions
- Plant, personnel and visitors to the remediation site
- Aspects relating to Health & Safety, environmental control or non-compliance with the specification or the Method Statements.
- All in situ and laboratory testing results.

All requirements of the remediation specification should be complied with; on completion of the remediation a validation report should be provided. This report will comprise the relevant site records and act as certification that the remedial and ground preparation works have been carried out in accordance with the specification.

The validation report will include the following:

- A description of the works undertaken.
- Records of any remediation works, including daily diary sheets.
- Progress photographs.
- Any chemical and geotechnical validation test results.
- As built surveys, including base excavations and top and bottom of capping layer.
- A statement that the works have been undertaken in accordance with the agreed specification

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APPENDIX N

(i) Notes on Limitations

This report does not consider ecological impacts (e.g. bats) or botanical risks (e.g. Japanese knotweed). It is recommended that these are considered as part of the assessment of development constraints for the site.

The ground conditions described in the above reports relate only to the points of investigation and do not necessarily guarantee a continuation of the ground conditions throughout the non-inspected area of the site. Whilst such exploratory holes would usually provide a reasonable indication as to the general ground conditions, these cannot be determined with complete certainty. Betts Geo has endeavoured to assess all information provided to them, but makes no guarantees or warranties as to the accuracy or completeness of this information.

The assessment and judgements given in this report are directed by both the finite data on which they are based and the proposed works to which they are addressed. The data essentially comprised a study of available documented information from various sources (including Client Furnished reports) together with discussions with relevant authorities and other interested parties. There may also be circumstances at the site that are not documented. The information reviewed is not exhaustive and has been accepted in good faith as providing representative and true data pertaining to site conditions. If additional information becomes available which might impact our environmental conclusions, we request the opportunity to review the information, reassess the potential concerns and modify our opinion if warranted.

It should be noted that any risks identified in this report are perceived risks based on the available information. Actual risks can only be assessed following a physical investigation of the site.

The site investigation has been carried out to provide information concerning the type and degree of contamination, and ground and groundwater conditions to allow a reasonable risk assessment to be made. Betts Geo Environmental Ltd undertake to exercise all reasonable skill, care and due diligence in the exercise of the investigation with respect to sampling techniques, sample storage and report interpretation.

The assessments and judgement given in this report are directed by both the finite data on which they are based and the proposed works to which they are addressed. Data acquisition is subject to the limitations of the methods of investigation used. Exploratory holes undertaken during fieldwork investigate small a small volume of ground in relation to the size of the site and as such can only provide an indication of site conditions. There may be conditions pertaining to the site and the proposed development i.e. localised “hotspots” of contamination, which have not been disclosed by the investigations.

The findings and opinions are relevant to the dates of our site works and should not be relied upon to represent conditions at substantially later dates. Conditions at the site will change over time due to natural variations and anthropogenic activities. Groundwater, surface water and soil gas conditions should be anticipated to change with diurnal, seasonal and meteorological variations.

The opinions expressed in this report regarding any contamination are based on simple statistical analysis and comparison with available guidance values. No liability can be accepted for the retrospective effects of any changes or amendments to these values.

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