whitby wood

SITE AT CARMOOR ROAD, MANCHESTER, M13 OFB

P451205-DOC-S-001

Phase 1 Desk Study

Client: TIGER DEVELOPMENTS LIMITED

18TH November 2022

WHITBY WOOD

91-94 Lower Marsh,
London SE1 7AB, United Kingdom

T +44 (0)20 7442 2216
E info@whitbywood.com

Whitby Wood Limited is a company registered in England and Wales with the registered number 07786822

Preface

The following report has been prepared by our subconsultant A-Squared for the use of Tiger Developments Limited.

This report should be read in conjunction with the Architect's, Building Services Engineer's and all other consultant reports, who are engaged in the project. This report is for the exclusive use of Tiger Developments Ltd and should not be used in whole or in part by any 3rd parties without the express permission in writing of Whitby Wood.

A-squared Studio

Rafters Garage, 88 to 90 Carmoor Road, Manchester

Phase I Desk Study

November 2022

Project Name	Rafters Garage, 88 to 90 Carmoor Road, Manchester
Project Number	2554
Client	Whitby Wood Ltd
Document Name	Phase I Desk Study

This document has been prepared for the sole benefit, use and information of Whitby Wood Ltd for the purposes set out in the document or instructions commissioning it. The liability of A-squared Studio Engineers Ltd in respect of the information contained in this document is as per the A-squared Terms & Conditions and will not extend to any third party. All concepts and proposals are copyright © November 2022. Issued in commercial confidence.

A-squared Studio Engineers Ltd
One Westminster Bridge Rd
London, SE1 7XW

020 7620 2868
contact@a2-studio.com
www.a2-studio.com

Prepared by	Checked by	Approved by
F. Campbell Msci(Hons)	F. Kennedy Msci(Hons) FGS	A. Nikolic BEng(Hons), MSc, DIC, CEng, MICE, MSt(Cantab)
Senior Geo-environmental Consultant	Associate	Director

Document Reference	Status	Notes	Revision	Issued by	Date
2554-A2S-XX-XX-RP-Y-0001-00	First Issue	-	00	FC	11/11/22

Contents

1. Introduction 1
2. Site Setting 3
3. Geological Setting 9
4. Site History 13
5. Environmental Setting 15
6. Proposed Development 18
7. Conceptual Site Model (CSM) and Preliminary Risk Assessment (PRA) 20
8. Closing Remarks 28

Appendices

Appendix A: Qualitative Risk Assessment Matrix

Appendix B: Envirocheck Report

Appendix C: Unexploded Ordnance Risk Assessment

Appendix D: Site Walkover Records

Appendix E: Regulatory Correspondence

Appendix F: Proposed Development Plan

Appendix G: Consultants Coal Mining Report

1. Introduction

A-squared Studio Engineers Ltd (A-squared) has been engaged by Whitby Wood Ltd(Whitby Wood) to prepare a Phase I Desk Study report for the proposed development site known as Rafters Garage located at 88 to 90 Carmoor Road in Manchester, M13 0FB, (herein called the 'site').

1.1. Study Aims and Objectives

The desk study develops an initial Conceptual Site Model (CSM) and provides a qualitative Preliminary Risk Assessment (PRA) for the proposed development in accordance with the principles set out in *Land Contamination Risk Management* (LCRM) guidance, published by the Environment Agency on the UK Government website. The desk study has also been prepared in the context of the *National Planning Policy Framework* (NPPF) and *The Building Regulations 2010, Approved Document C - Site preparation and resistance to contaminants and moisture (2004 Edition incorporating 2010 and 2013 amendments)*. The desk study includes an assessment of whether there are any unacceptable risks (ref. *LCRM* guidance) which require further geo-environmental investigation.

Potential historical and current sources of contamination have been identified based on information available in the public domain (including information sources referenced in Section 1.2).

The proposed development is described in more detail in Section 6 but can generally be described as the demolition and clearance of the existing buildings on site and the construction of a new residential building comprising student accommodation. Limited areas of open space and ornamental landscaping areas are proposed on site. No new basement has been proposed.

Preliminary geotechnical assessment is included in this desk study.

The outcomes of this desk study have been developed based on information current at the time of writing in November 2022.

1.2. Information Sources

The primary sources of information which have informed the assessments presented herein include the following:

- *Envirocheck Report* for Rafters Garage, 90 Carmoor Road, Manchester prepared by Landmark Information Group, dated October 2022 (ref. 303236239_1_1), included in Appendix B.
- *Preliminary Unexploded Ordnance (UXO) Threat Assessment* for Rafters Garage, 90 Carmoor Road, Manchester by 6 Alpha on behalf of the Landmark Information Group, dated November 2022 (ref. 10203), included in Appendix C.
- *Phase 1 Desk Study Report for Proposed Sui Generis Development for Carmoor Road, Manchester* prepared by Collins Hall, dated February 2021.
- Existing and Proposed Plans for the site provided by Host Student Housing Management (UK) Ltd (ref. LHA-A-SK-002 and LHA-A-SK-003) dated July 2022.
- Site walkover undertaken by a representative of A-squared on 3rd November 2022.
- British Geological Survey, GeoIndex Onshore GIS database (accessed 1st November 2022); https://mapapps2.bgs.ac.uk/geoindex/.
- Department for Environment, Food & Rural Affairs (DEFRA), Magic Map Application (accessed 1st November 2022); http://magic.defra.gov.uk/MagicMap.aspx.
- Historic England, online Aerial Photo Explorer (accessed 1st November 2022); https://historicengland.org.uk/images-books/archive/collections/aerial-photos/.
- Health Protection Agency and British Geological Survey Document Indicative Atlas of Radon in England and Wales, 2007.
- Google Earth (ref. earth.google.com/web/), accessed 3rd November 2022.
- Flood Maps for Planning (ref. https://flood-map-for-planning.service.gov.uk/), accessed 1st November 2022).

- Consultant Coal Mining Report (reference: 51003321486001) prepared by The Coal Authority dated 28th October 2022, included in Appendix G

2. Site Setting

2.1. Development Location and Current Site Use

The development site is known as Rafters Garage and is located at 90 Carmoor Road in Manchester, M13 0FB, as shown in Figure 2.1. The approximate National Grid reference for the site is 385520, 395930 and the site footprint covers approximately 0.02 hectares in size. The approximate ground surface elevation at the site is 43m above Ordnance Datum and ground surface levels in the surrounding area fall towards the west. The development site falls within the administrative boundaries of Manchester City Council.

The southern area of the site currently includes three buildings, single-storey warehouse style commercial buildings which operate as Rafters Garage. An associated forecourt and parking area is present at the front of the buildings on the western side of Carmoor Road. A three-storey brick-built residential property and a two-storey brick-built building which formerly operated as Catherine´s Little Angels Day Nursery are present within the northern area of the site. A small garden area is present to the rear of the former nursery on site and contains both soft landscaping and hardstanding areas.

Four of the existing buildings on site are brick structures with corrugated asbestos sheeted rooves (two of the warehouse style commercial buildings) and slate rooves (the residential property and former nursery). One of the warehouse style commercial buildings is a prefabricated metal structure. All five buildings on site have concrete floors. The foundations are expected to be shallow strip footings below the walls. No basements are present on site though a service.

The current land uses within a 250m radius surrounding the site are summarised in Table 2.1.

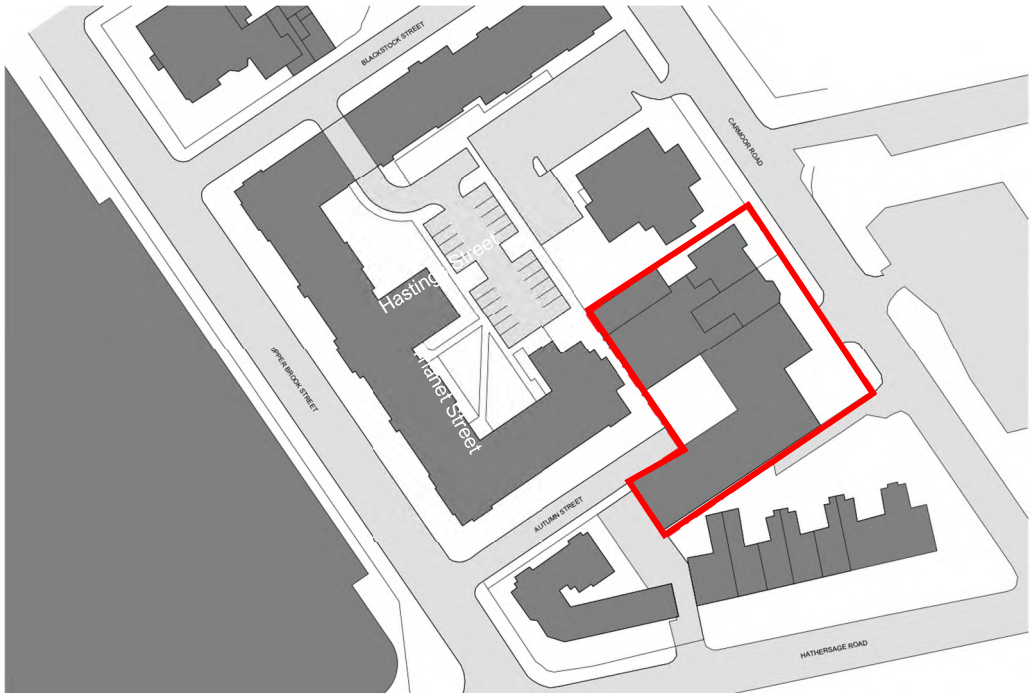


Figure 2.1 Location of the proposed development (red line reflects the site boundary used for this assessment)

Table 2.1 Surrounding land uses summary

Bearing from Site	Features directly adjacent to the site boundary	Other identified land uses and key structures
North	The West Indian Community Centre at 74 Carmoor Road.	Unite Students Brook Hall (Blocks H, J and K) on Blackstock Street with blocks of flats, residential houses, and Safire Indian restaurant beyond.

Bearing from Site	Features directly adjacent to the site boundary	Other identified land uses and key structures
South	Residential properties and their associated gardens on Hathersage Road. Commercial units present at ground level including a phone shop, a betting shop, two convenience stores, a barbers, eateries, a taxi office, and Bandbox Laundry (professional green garment care).	Blocks of flats and residential houses with Coniston Halls of Residence beyond the site.
East	Carmoor Road – a single carriageway road.	Octagon House office building and a series of new student accommodation blocks are under construction. A large electrical sub-station complex and a smaller sub-station are present to the north-east. A hospital staff car park, associated with the renal and kidney dialysis unit beyond is present to the east.
West	Autumn Street – a single carriageway dead-end road.	StayInn student accommodation and Unite Students Brook Hall on Autumn Street and the A34 road to the west. Multi-storey car park associated with the hospital beyond.

2.2. Site Walkover

A site walkover was undertaken by a representative of A-squared on the 3rd November 2022. A summary is presented in this Section 2.2. Walkover records are included as Appendix D and these should be reviewed alongside the summary details below.

Rafters Garage

The southern area of the site is occupied by Rafters Garage and comprises three single-storey, brick-built, warehouse-style commercial buildings. Two of the buildings are located along the eastern and southern sides of the site, accessed via Carmoor Road and one is located on the western side of the site, accessed via Autumn Street.

The two garage buildings at the east and south of the site are brick-built and appear to have been in-situ for at least 50 to 60 years based on their design and condition. They were noted to be in very poor condition and included sheeted corrugated asbestos rooves, with poor quality wooden timber beams, doors, and windows at the time of the site walkover. The internal frames of the buildings were noted to have been reinforced with metal and plastic sheeting.

The main garage operations were taking place within the middle of the three buildings on site, operating as the main garage centre. Signage displayed outside this building describes the business, known as Pat Rafters Garage, as offering ´motor repairs and MOT services´. The garage was in operation at the time of the site walkover and was busy, with six cars being worked on within the garage and over twenty other customer and staff vehicles parked across the site, mainly at the front of the buildings on Carmoor Road. Listed services include tyres, tracking, balancing, suspensions, steering, clutches, brakes, exhausts, radiators, de-coking, and water pumps. A service pit is present within the southern area of the building and four service bays, and a vehicle lift were present within the northern area of this building. A small customer waiting area was present at the east and a staff office at the west of the building. An array of sprays, lubricants, oils, varnishes, waxes, and other products were stored within the garage and appeared to be used regularly as part of day-to-day operations by site staff. Shelves and cupboards with overhead storage, lined the sides of the garage building.

The southernmost building on site was the largest of the three garage buildings and was used for car storage (including vintage cars) and was locked at the time of the site walkover. Staff on site indicated that this building was not used for garage operations / repairs.

The westernmost building on site was of relatively new construction, appearing to be less than 20 years old. The building was a prefabricated metal structure containing four garage doors opening into a large workshop space. Operations were very similar to those taking place within the main garage building, though the vehicles in this area were generally older, vintage cars that appeared to be being restored and renewed as opposed to the maintenance work that was taking place within the garage. Access to this

building is obtained via the yard area at the west of the site, accessed via Autumn Street or through the other older two garage buildings.

A small yard area is present at the west of the site, providing access into the three garage buildings, and is used for parking vehicles and for the storage of a large number of tyres, equipment, broken tools, and other materials including car parts, metal sheeting, scrap metal, plastic, empty oil, lubricant and other material containers, oil drums and plastic barriers. A waste oil tank was present directly to the rear of the main garage building and was noted to be in very poor condition. No drip trays or protection was in place and waste oil and rags were present on the floor around the tank. Visible oil leakage onto the adjacent tyre and concrete floor was visible and no efforts appear to be made to keep this tank contained and the area around it tidy. A strong hydrocarbon odour was noted next to and around the waste oil tank. Black staining on the walls and floor around the tank was indicating spillages had taken place.

Guttering on the buildings was poor quality and water was noted to be overflowing into the yard area at the time of the site walkover. Generally, hardstanding around the buildings and in the yard area on site was in poor condition and numerous cracks were noted. Puddles of standing water were pooled on site.

Residential Property

A large three-storey brick-built residential property is present within the northern area of the site. The property appears to date back to the late-1800s and was noted to be abandoned and in a state of severe disrepair at the time of the site walkover. The services to the property had been disconnected and the property was full of rubbish, old furniture, and abandoned household items. It appeared that the property had not been lived in for many years, though it is possible that squatters have inhabited the property since this time. The fixtures and fittings were in a very bad state and rot, damp and partial collapse of the plasterboard and wall fixtures was noted within the building.

The view from the upper floor of the residential property confirmed the presence of asbestos roofing within the adjacent main garage building which appeared to have repaired at several times over the last few decades.

Nursery

A building, which formerly operated as Catherine´s Little Angels Day Nursery was attached to the residential property and occupied the far northern area of the site. Signage outside the nursery indicates that the nursery was open Monday to Friday 7am to 6pm and catered for children from 3 months to 5 years old. The nursery still contained an array of toys, furniture and learning equipment and while the services had been disconnected, fridges, a cooker, and other appliances remained within the property. The small garden areas to the front and rear of the property contained outdoor play equipment, decorations, and toys and contained hardstanding with some false grass and peripheral shrubs and planters. It is considered unlikely that the property has been out of use for more than a year or two based on the condition of the rooms and their contents on site.

Surrounding Area

The area around the site is busy and was dominated by student and residential accommodation, offices, and the nearby hospital buildings and car parks. Some local shops, eateries and small businesses are present. The area was untidy with some fly tipped materials (household waste and furniture with no obvious evidence of contamination) and windblow litter present on Carmoor Road and within the surrounding streets. A large electrical sub-station complex and a smaller sub-station are present to the north-east of the site on the eastern side of Carmoor Road.

A site features plan is provided as Figure 2.2.

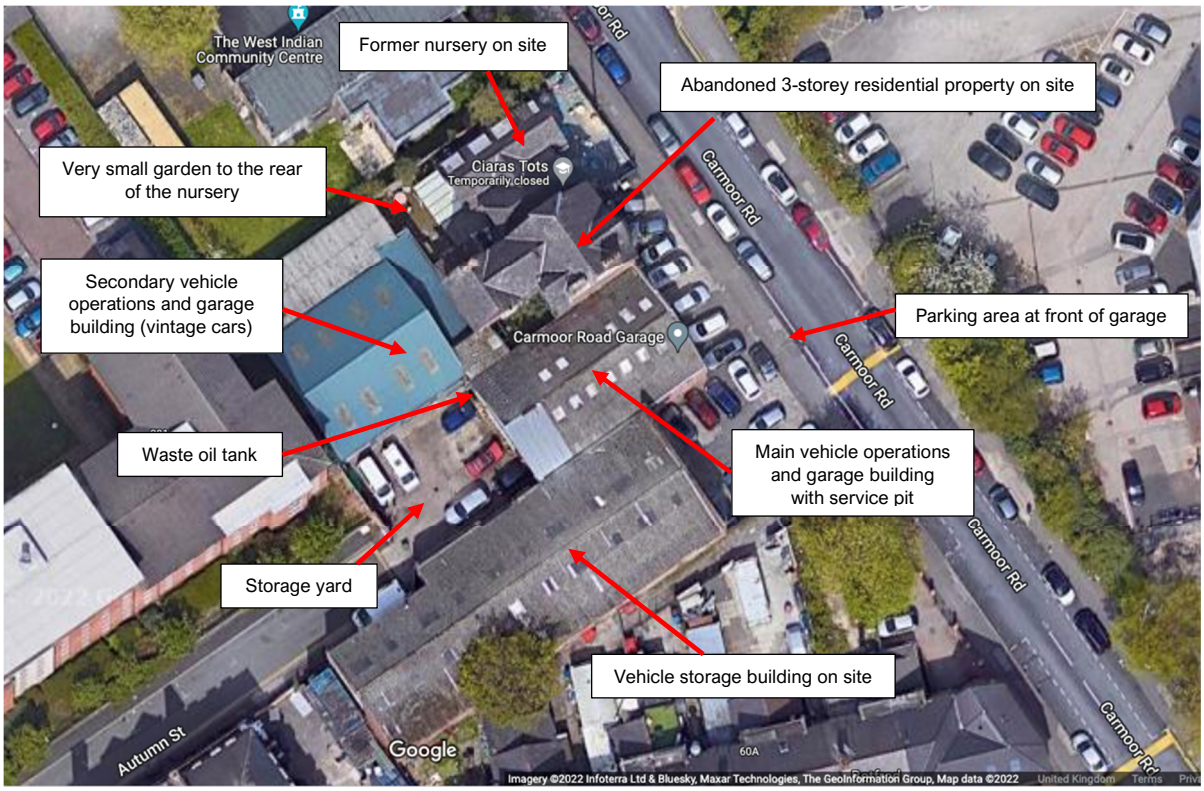


Figure 2.2 Site and surrounding area features plan

2.3. Planning Records

A review of the Local Authority, Manchester City Council planning portal has been searched for relevant records for the site. No planning application relating to the proposed scheme at the site had been submitted at the time of writing in November 2022.

The following planning reference numbers have been identified with respect to previous applications made for the site (listed in chronological order with the most recent applications first):

- Planning reference: 092271/VO/2010/N2 dated 29th January 2010 at Ciara´s Tots (former name of the day nursery on site) at 88 Carmoor Road. Application for the installation of a wall-mounted canopy to the rear elevation and conversion of existing window opening to door opening on front elevation. Application approved 25th March 2010.
- Planning reference: 063481/FO/NORTH2/01 dated 25th October 2001 at 88 Carmoor Road for the use of the premises as a children's day nursery for 32 children with single-storey rear extension and use of car parking in adjacent community centre (The West Indian Community Centre at 74 Carmoor Road to the north of the site).
- Planning reference: 031676 dated 27th May 1988 at the existing residential property at 90 Carmoor Road. Application for the conversion of the existing dwellinghouse into four self-contained flats. Application approved 14th July 1988.
- Planning reference: 022428 dated 25th July 1984 at 90 Carmoor Road for the change of use from a Sunday School to a house with an office in the ground floor rear room. Application approved 25th October 1984.

No relevant geo-environmental reports have been identified associated with the above planning applications.

2.4. Regulatory Consultation

Requests for information have been made to the following bodies:

- Environment Agency (EA), contacted via email on the 20th October (see Appendix E). A response is awaited.

- Manchester City Council, contacted via email on the 20th October (see Appendix E). A response was received on 27th October 2022 and is summarised below.

Information obtained from Manchester City Council included details on the elevation of the site and surrounding area. The approximate ground surface elevation at the site is 43m above Ordnance Datum and ground surface levels in the surrounding area fall towards the west as shown in Figure 2-3. The site is labelled on the mapping provided as a depot.

A list of contaminated land section records of contamination issues at the site and land adjacent to the site are recorded within the response. A request for further information on the listed sites has been requested. Four sites were recorded within 25m of the site boundary located at the following locations:

- Hathersage Road / Carmoor Road, Chorlton on Medlock (references: 087660 and 1007).
- Upper Brook Street and Blackstock Street (reference: 344).
- 70 Hathersage Road (reference: 725).

Manchester City Council have not recorded any landfill sites within a 250m radius of the site boundary.

Manchester City Council have not identified the site or surrounding area within a 250m radius as being contaminated land, as defined under Part 2a of the Environmental Protection Act.

Manchester City Council have identified one waste management facility within a 250m radius of the site, relating to a clinical waste transfer station and incinerator, located at Manchester Royal Infirmary. These details are in accordance with those provided by Envirocheck.

Copies of regulatory correspondence are included as Appendix E.

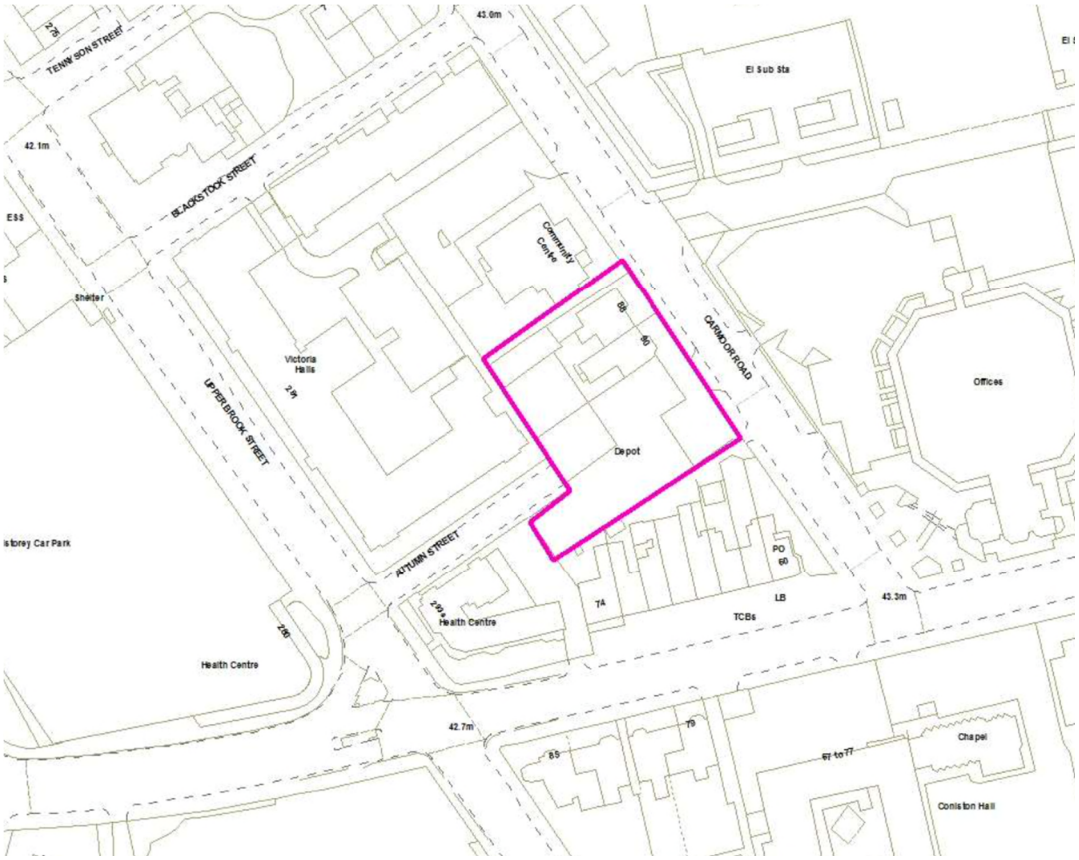


Figure 2.3 Local Authority elevation plan

2.5. Previous Desk Study

A Desk Study named '*Phase 1 Desk Top Study for proposed Sui Generis Development (Reference: G835)'* Prepared by Collinshallgreen issued in February 2021 was undertaken on the site and the property north adjacent as can be obsevred in Figure 2.4. The Desk Study produced by Collinshallgreen contains a Preliminary Risk Assessment (PRA) which has listed the potential sources of contamination associated with the site. These include Made Ground due to the historic and current use of the site as a garage, potential asbestos within the development, made ground associated with the infilling of former basements along the eastern boundary and contaminants in groundwater sourced from Made Ground.

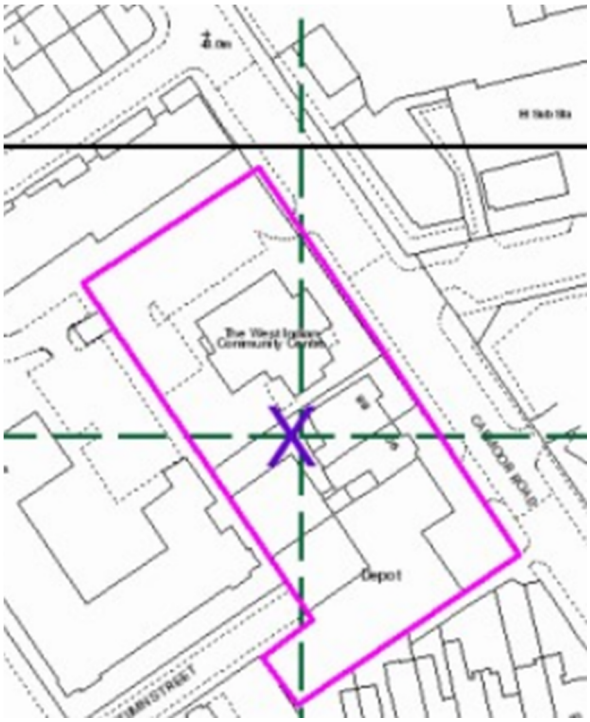


Figure 2.4 Site boundary provided within the Collinshallgreen Desk Study report.

2.6. Unexploded Ordnance

A preliminary unexploded ordnance (UXO) risk assessment has been carried out by 6 Alpha Associates (6 Alpha) on behalf of the Landmark Information Group, included in Appendix C. The assessment concluded that the potential for a UXO hazard to occur, and more specifically, the potential for unexploded (WWI and WWII) ordnance to exist at this site is unlikely. The site and the immediate surrounds have a high explosive bomb density of less than 15 bombs per 100 hectares, recorded as a very low level of bombing. No Luftwaffe primary bombing targets were recorded on site or within 1km of the site.

Despite recorded bombing within the wider area over 225m from the site, there was no bombing or bomb damage recorded in the vicinity and there is no evidence to suggest that further investigation into UXO is warranted. In accordance with CIRIA C681 Chapter 5 on managing UXO risks, 6 Alpha concluded that no further action is required to address the UXO risk at the site.

Details of risk management strategies are outlined in *CIRIA C681*.

The above provides a summary of the available UXO risk assessment. However, the full assessment provided in Appendix C must be referred to and takes precedence.

3. Geological Setting

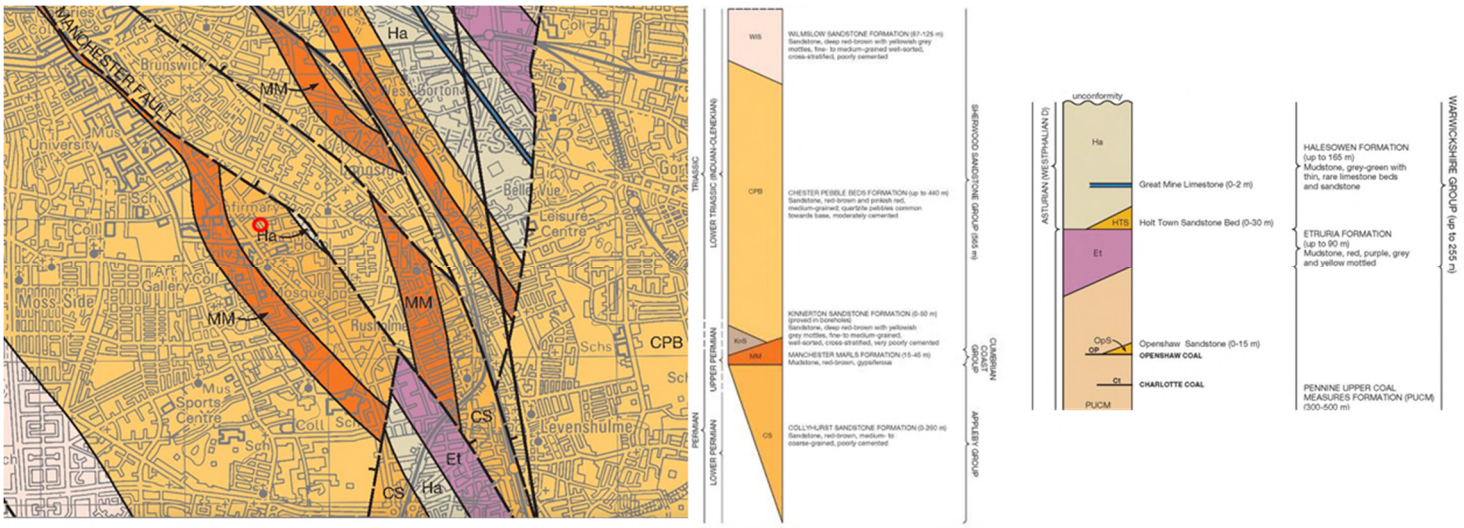
3.1. Site Geology and Anticipated Ground Conditions

Figure 3.1 illustrates the location of the development within the context of a regional geological map. The map extract has been taken from the British Geological Survey (BGS) map for Manchester (Sheet 85 1:50,000). The map illustrates the spatial distribution of superficial (drift) deposits and bedrock outcrops at the ground surface. Made Ground and Worked Ground are generally not shown on site or within a 1km radius of the site boundary. However, Made Ground is assumed to be present on site due to the nature of the site surface, which comprises the existing building footprint and hardstanding surfaces and due to previous demolition and construction works that have taken place at the site.

The geology map indicates the site is underlain by superficial deposits comprising Till (Diamicton) deposits, which were formed up to 2 million years ago during the Quaternary period. These Till deposits comprise Diamicton, which is an unsorted to poorly sorted deposit comprising Silt, Clay, Sand, Gravel, and Cobbles.

The bedrock at the site is the Collyhurst Sandstone Formation, which was formed 272 to 299 million years ago during the Permian period. The Collyhurst Sandstone Formation is a soft, red Sandstone with abundant beds of ´millet seed´ sand grains alternating with beds of fine-grained sharp sand with some interbedded grey Sandstones locally. It is typically up to 250m thick in this area of South Manchester. The lower boundary of the Collyhurst Sandstone Formation is a major plane of unconformity (due to the presence of fault lines as outlined below) and generally directly overlies the reddened Pennine Upper Carboniferous Coal Measures.

The West Manchester fault, trending north-west to south-east lies approximately 375m to the east of the site boundary. A further fault, known as the East Manchester fault, lies beyond to the east, approximately 700m to the east of the site. The Chester Formation bedrock is recorded to be present below the Till deposits directly east of the fault line. The Manchester Marls Formation is recorded to be present below the Till deposits from approximately 125m to the west of the site, beyond which the Chester Formation bedrock is recorded to be present below the Till deposits.



Approximate site location marked by red circle.

Figure 3.1 Geological context of the site

The British Geological Survey (BGS) Geology of Britain web map services provide access to the geographic locations and logs of historical borehole investigations and well installations. Historical boreholes surrounding the site are shown in Figure 3.2. The following historical records have been reviewed as part of this assessment: SJ89NE730, SJ89NE136 and SJ89NE813. Table 3.1 summarises the preliminary ground model adopted in this desk study, based on the information reviewed.

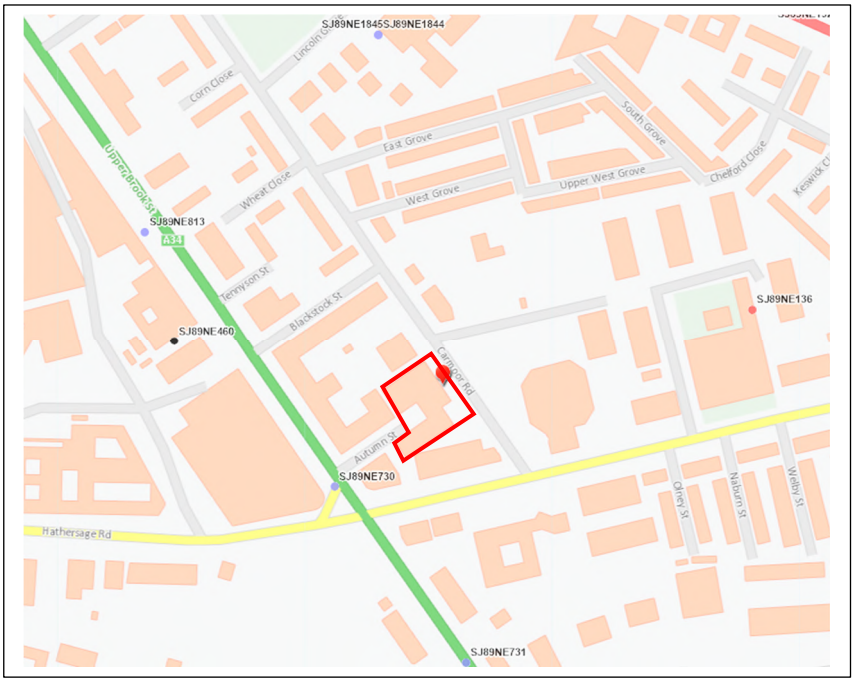


Figure 3.2 Locations of BGS boreholes in close proximity to the site boundary

Table 3.1 Preliminary ground model

Unit	Elevation[1] (mOD)	Depth[1] (m bgl)	Thickness (m)	Description
Made Ground	43.0	0.00	0.70 to 0.75m	Variable anthropogenic deposits comprising natural soils, asphalt and concrete surfacing, gravels, and potential ash.
Till deposits (Diamicton)	42.3	0.70 to 0.75m	Up to 12.00m	Soft to stiff, brown silty and sandy Clay, sand lenses and some fine to medium gravel. Becoming a sandy Clay with depth.
Collyhurst Sandstone Formation	30.3	From 12.70m bgl	>87.00 (Base Unproven)	Red Sandstone bedrock with abundant beds of ´millet seed´ sand grains alternating with beds of fine-grained sharp sand with some interbedded grey Sandstones locally.
Pennine Upper Carboniferous Coal Measures	Unproven	>100m bgl	Unproven	Interbedded grey Mudstone, Siltstone, and grey Sandstone, commonly with coal seams.

1. Estimated elevation and depth refer to top of stratum.

3.2. Groundwater and Hydrogeology

The preliminary groundwater regime evaluation is based on data regarding the site setting, general geomorphology, and relevant project experience in the area.

The groundwater model is unlikely to comprise a perched water table due to the high permeability of the underlying bedrock on site. It is possible that some perched groundwater will be present within the Till deposits above low permeability layers within the stratum. Data obtained from the historical BGS boreholes recorded no groundwater within the boreholes.

It is anticipated that the pore water pressure distribution within the Collyhurst Sandstone Formation is likely to be in hydrostatic equilibrium with an average or mean perched water table level, present at depth below the site.

The Groundwater Vulnerability Map of England and the Environment Agency website have been reviewed to determine the aquifer designations for the underlying geology at the site.

The Till deposits (Diamicton) are classified as a Secondary Undifferentiated Aquifer by the Envirocheck Agency and have a minor value. They are aquifers where it is not possible to apply either a Secondary A or B definition because of the variable characteristics

The Collyhurst Sandstone Formation is classified as a Principal Aquifer by the Environment Agency. Principal Aquifers are layers of rock or drift deposits that have high intergranular and / or fracture permeability, meaning they usually provide a high level of water storage and transmission. They may support water supply and / or baseflow on a strategic scale.

The Pennine Upper Carboniferous Coal Measures are classified as a Secondary A Aquifer, defined as containing permeable layers capable of supporting water supplies at a local rather than strategic scale, in some cases forming an important source of base flow to rivers. These strata are aquifers formerly classified as Minor Aquifers.

The combined groundwater vulnerability at the site is described within the Envirocheck Report as low. This is due to the presence of a low permeability stratum with low superficial recharge and a low pollutant speed affording protection to the underlying Principal A Aquifer, which contains well-connected fractures and has high permeability.

The dominant direction of groundwater flow with the bedrock on site is anticipated to be towards the south and south-west, towards the River Mersey which is the dominant watercourse in the region.

The site is not located within a Groundwater Source Protection Zone (SPZ)and there are no Groundwater Source Protection Zones within 250m. A Zone III Groundwater Source Protection Zone (total catchment: the total area needed to support the discharge from the protected groundwater source) is recorded 365m to the south-west of the site.

Localised perched water may also be present associated with any Made Ground at the site.

There is no recorded soluble rock risk at the site.

The closest groundwater abstractions to the site are recorded by Envirocheck 865m to the north of the site boundary on Devonshire Street, operated by GT Energy Limited. Groundwater is abstracted from the Lower Carboniferous Limestone for a heat pump (there are two entries under licence number: NW/069/0004/005). The abstraction permit was issued in 2013 and remains active. No further groundwater abstractions are recorded within 1.5km of the site boundary.

3.3. Hydrology

There are no surface water features within 250m of the site boundary. The closest water feature to the site is record 287m to the north-east of the site within the Envirocheck Report. This appears to relate to a land drain within Swinton Grove Park.

The River Mersey lies approximately 6km to the south-west of the site.

No surface water abstractions are recorded by Envirocheck within 1.5km of the site boundary.

3.4. Geological Hazards

The British Geological Survey and Environment Agency (EA) hazard mapping have identified the following potential geotechnical hazards at the site:

- *Very Low* potential for collapsible ground stability hazards.
- *No Hazard* from compressible ground stability hazards.
- *No Hazard* from ground dissolution stability hazards.
- *Very Low* potential for landslide ground stability hazards.
- *Very Low* potential for shrinking or swelling clay ground stability hazards.

- *Very Low* from running sand ground stability hazards.

3.5. Mining and Mineral Extraction

The site is listed within the Envirocheck Report as within an area which may be affected by coal mining activity.

The closest potential mining area to the site is recorded by Envirocheck 897m to the north-east of the site. A four-foot coal seam was worked historically, but all workings ceased in 1891.

There are no BGS Mineral Site entries listed within the Envirocheck Report within 500m of the site. No record of mining instability, man-made mining cavities or natural cavities have been recorded within 500m.

3.5.1. Coal Authority Report

The Envirocheck report lists the site as being within an area effected by coal mining and therefore, a Consultants Coal Mining Report (CCMR) was requested by The Coal Authority which can be viewed in Appendix G.

This report summarises that there are no past mining records, shallow workings, mine entries, abandoned mines, outcrops, geological faults or opencast mines on site.

With regards to any investigation or remedial activity, The Coal Authority have stated that there are no site investigation or remediation sites within 50m of the site boundary and that they have not received a damage notice or claims for the properties on site or any mine gas or mine water treatment issues on or within a 500m of the site boundary.

There is no record of future underground mining or coal mining licensing on site.

The above provides a summary of the available CCRM. However, the full assessment provided in Appendix G must be referred to and takes precedence.

3.6. Radon

The Envirocheck Report indicates that the site is within a Lower Probability Radon Area (with less than 1% of homes estimated to be at or above the Action Level). Radon risk mapping included in *BRE 211: Radon – Guidance on Protective Measures for New Buildings (2015)* indicates that without a site-specific Radon Risk Report the maximum requirement for radon protection is 'None'.

Since no new basement is to be incorporated for the proposed development, no further radon assessment is required, and no radon protection needs to be incorporated into the proposed building fabric.

4. Site History

Detailed historical maps, fire insurance plans and aerial photographs of the site and surrounding area dated between 1848 and 2022 (at scales of 1:500, 1:1,250, 1:2,500, 1:10,000 and 1:10,560), provided as part of the Envirocheck Report (Appendix B), have been reviewed as part of this study. This process has been undertaken to identify any former land uses at the site and within the surrounding area that may have geo-environmental implications for the proposed redevelopment.

The findings are summarised in Table 4.1. Only features considered to have a potential geo-environmental impact on the site and usually within a notional 250m radius of the site boundaries are presented and discussed, except for any potentially infilled land which is identified within 500m of the site. Any distances quoted for features remote from the site have been scaled from the maps and are approximate. Other information sources available in the public domain have also been reviewed to support this assessment, including the Historic England online Aerial Photo Explorer and historical aerial photographs available on Google Earth.

Table 4.1 History of the site and surrounding areas

Historical Feature	Distance and Bearing from Site	Date of First Map Appearance	Date of Last Map Appearance	Potential to Impact the Site
	On-Site			
Terraced buildings within the northern area of the site	-	1891	Present	Yes
Row of residential garages (to rear of houses on High Street, later Hathersage Road)	-	1950	1965	Yes
Depot on site (appearing to comprise two structures) which has reportedly operated as a garage since the mid-1960s	-	1965	Present	Yes
	Off-Site			
Nearby residential properties and	50m S	Pre-1848	Present	No (Due to nature of the land use.)
	Directly north and surrounding the site in all directions	Pre-1891		
Community Centre	15m N	1978	Present	No (Due to nature of the land use.)
Laundry (small operation with one chimney to the rear of existing residential properties)	25m NW	1933	1950	Yes
Tramway on Brooke Street and High Street	50m S and 50m W	1908	1933	No (Due to nature of the land use and the time elapsed since removal)
School and associated playground	50m N	Pre-1891	1976	No (Due to nature of the land use.)

Historical Feature	Distance and Bearing from Site	Date of First Map Appearance	Date of Last Map Appearance	Potential to Impact the Site
Garage	45m E	1967	1978	Yes
Garage	50m NW	1975	1978	Yes
Health Centre	65m SW	1967	2006	No (Due to nature of the land use.)
Octagon House office building	70m SE	1978	Present	No (Due to nature of the land use.)
Electricity mains depot (including electrical sub-stations)	80m N	1950	Present	Yes
Car Park	100m E	1978	Present	No Due to nature of the land use (entirely hardstanding) and distance from the site.
Hospital	>100m W	1923	Present	No (Due to nature of the land use.)
Blackstock Hotel and public house (later an Indian restaurant)	105m N	1950	Present	No (Due to nature of the land use and distance from the site.)
Depot associated with the adjacent electricity mains depot	120m NE	1963	Present	Yes
Public baths	200m E	1908	Present	No Due to nature of the land use and distance from the site.

5. Environmental Setting

5.1. Regulatory Data

Regulatory data from the Envirocheck Report in close proximity to the development site (generally within 250m of the site boundary, with the exception of landfill and infilled ground which is identified within 500m of the site) has been summarised in Table 5.1. The information provided for each item in Table 5.1 has been summarised from the Envirocheck Report for risk assessment purposes. For a full breakdown of the regulatory data refer to the Envirocheck Report in Appendix B.

Table 5.1 Summary of regulatory data

Item	Distance and Bearing from Site	Information	Potential to Impact the Site
Agency & Hydrogeological			
Discharge Consents *Records on site*: 0 *Records within 0-250m*: 2	188m S (both entries)	**Operator**: United Utilities Water Limited **Status**: Inactive (revoked in 2010 and 2016) **Discharge Type**: Public sewage: storm sewage outflow **Receiving water**: River Medlock	No (Due to age and type of discharge consent and the distance from the site)
Local Authority Pollution Prevention and Controls (LAPPC) *Records on site*: 0 *Records within 0-250m*: 2	187m and 212m NW	**Name**: Tesco Express Rusholme (Mancunian Service Station) **Status**: Authorised and Permitted **Type**: PG1/14 petrol filling station (dated to March 2003)	No (Due to the distance from the site, absence of recorded pollution incidents, age of construction (appears to be early-1990s) and stringent modern environmental controls and permitting)
Waste and Landfill			
Licensed Waste Management Facilities (Locations and Landfill Boundaries) *Records on site*: 0 *Records within 0-250m*: 1 *Records within 250-500m*: 0	117m W	**Name**: Manchester Royal Infirmary **Licence Status**: Surrendered in August 2012 **Licence Date Issued**: April 1990 **Site Category**: Clinical waste transfer station	No Due to closure of facility, the sensitivity of the former facility and the distance from the site.
Potentially Infilled Land (Water) *Records on site*: 0 *Records within 0-250m*: 5 *Records within 250-500m*: 11	92m NW 153m SW 188m E 193m NE 215m W	**Use**: 5 entries within a 250m radius of the site related to unknown filled ground (pond, marsh, river, stream, or dock. **Date of Mapping**: 1848	No (Due to the time at which backfilling took place [>170 years ago]).

Item	Distance and Bearing from Site	Information	Potential to Impact the Site
Registered Waste Treatment or Disposal Sites *Records on site*: 0 *Records within 0-250m*: 1 *Records within 250-500m*: 0	223m W	**Operator**: Central Manchester Area Health Authority **Licence Status**: Operational (as far as is known) **Licence Date Issued**: April 1990 **Site Category**: Storage **Max Input Rate**: Undefined **Waste Source**: Only waste produced on site **Authorised Waste**: Contaminated rubbish / bags / sacks, domestic and commercial waste from hospital sources, clinical wastes, medical, surgical, and veterinary wastes.	No (Due to the sensitivity of the facility and waste handled and the distance from the site)
Facilities Registered as using Hazardous Substances			
No relevant records			
Industrial Land Uses and Points of Interest *(potential sources are identified within 100m of the site, and more distant potential sources of contamination are identified where a potentially significantly source has been identified)*			
Contemporary Trade Directories and Points of Interest *Records on site*: 4 *Records within 0-250m*: 10 (only records based on the criteria in the section heading are shown opposite for risk assessment purposes. See Appendix B for all records)	On site	**Type:** Garage services (3 entries relating to Carmoor Road Garage and Rafters Garage) **Status:** Active (and two previous inactive entries)	Yes
	On site	**Type:** Car body repairs (Automach) **Status:** Inactive	Yes
	30m S and 34m SE	**Type:** Dry cleaners, laundries, and laundrettes (2 entries relating to Spender Cleaners Ltd and Bandbox Laundry) **Status:** Inactive	Yes
	66m W	**Type:** Leisure and sportswear manufacturers and wholesalers (Jason Wang Ltd) **Status:** Inactive	No
	132m S From 187m NW	**Type:** Petrol filling station (5 entries relating to Tesco Express Rusholme / Mancunian Service Station operated by Esso) **Status:** Active (some former inactive entries for the same petrol filling station)	No
	218m SE	**Type:** Hospitals (2 entries relating to Victoria Park Hospital for fertility care and lifestyle) **Status:** Inactive	No
Fuel Station Entries *Records on site*: 0 *Records within 0-500m*: 1	230m NW	**Name:** Tesco Express Rusholme / Mancunian Service Station **Location:** Shown as a contemporary trade directory entry from 130m S and 187m NW. **Status:** Open	No

5.2. Flood Risk

The site is classified as having a limited potential for groundwater flooding to occur on site.

Flood Maps for Planning (ref. https://flood-map-for-planning.service.gov.uk/, accessed 1st November 2022) indicates that the site is located in a Flood Zone 1 i.e. there is a low probability of flooding. There are no flood water storage areas or flood defences recorded within a 1km radius of the site.

No further consideration of flood risk is given in this report. Specialist flood risk advice should be sought with regards to drainage and flooding.

5.3. Ecology, Flora, and Fauna

No records of potentially sensitive ecological receptors as defined by the *Environmental Protection Act (1990) Part 2a (as amended)* have been identified.

An assessment of potential invasive species is not included in this report. However, no evidence of invasive species was observed on site during the site walkover.

6. Proposed Development

The scheme for the proposed development comprises the demolition of the existing buildings and the complete clearance of the site, followed by the construction of a new residential building comprising student accommodation along with a fitness suite, amenity space and a small sub station. Small areas of soft landscaping are proposed in the central region and along the boards of the site. Raised roof gardens are also proposed on the 1st, 3rd, 4th floor. The plans do not indicate any proposed basement. The Ground floor plan and overall proposed site plan can be observed in Figure 6.1 and Figure 6.2 respectively. All proposed floor plans can be observed in Appendix F.

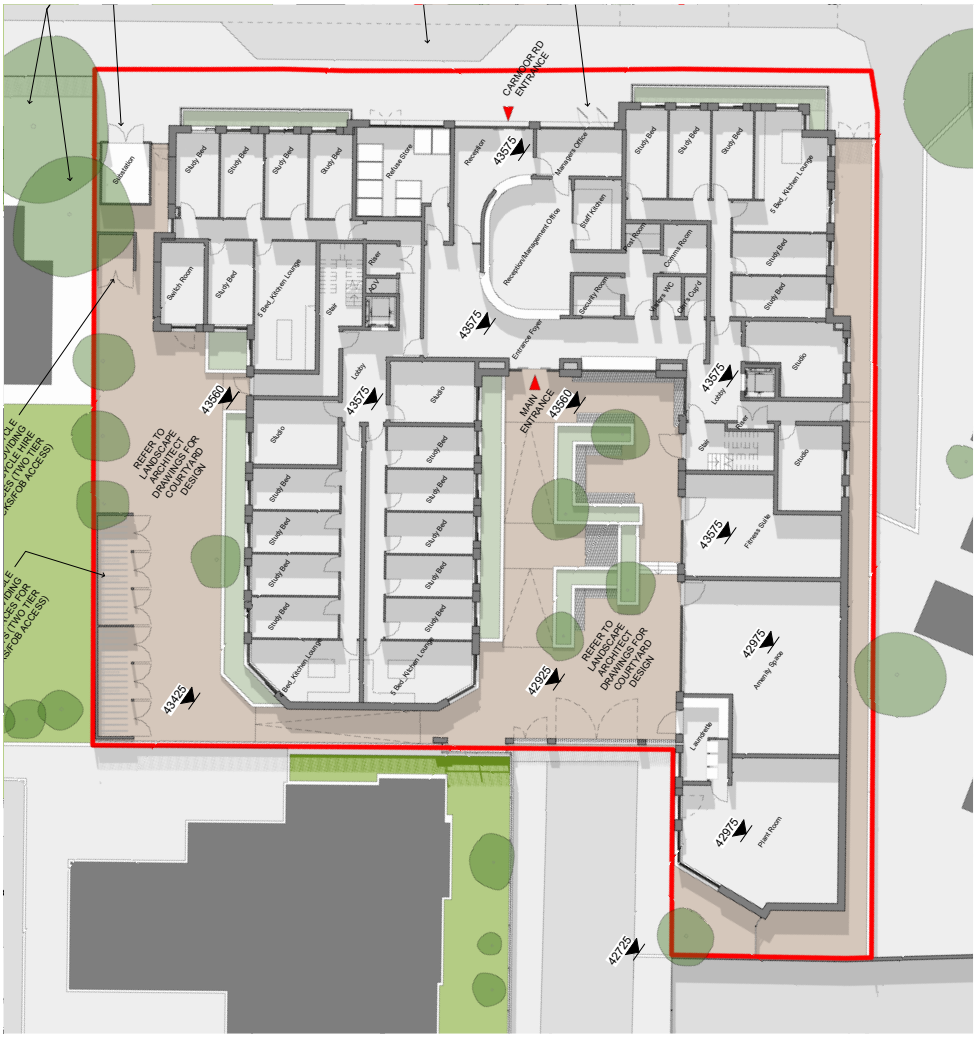


Figure 6.1 Proposed Ground floor plan

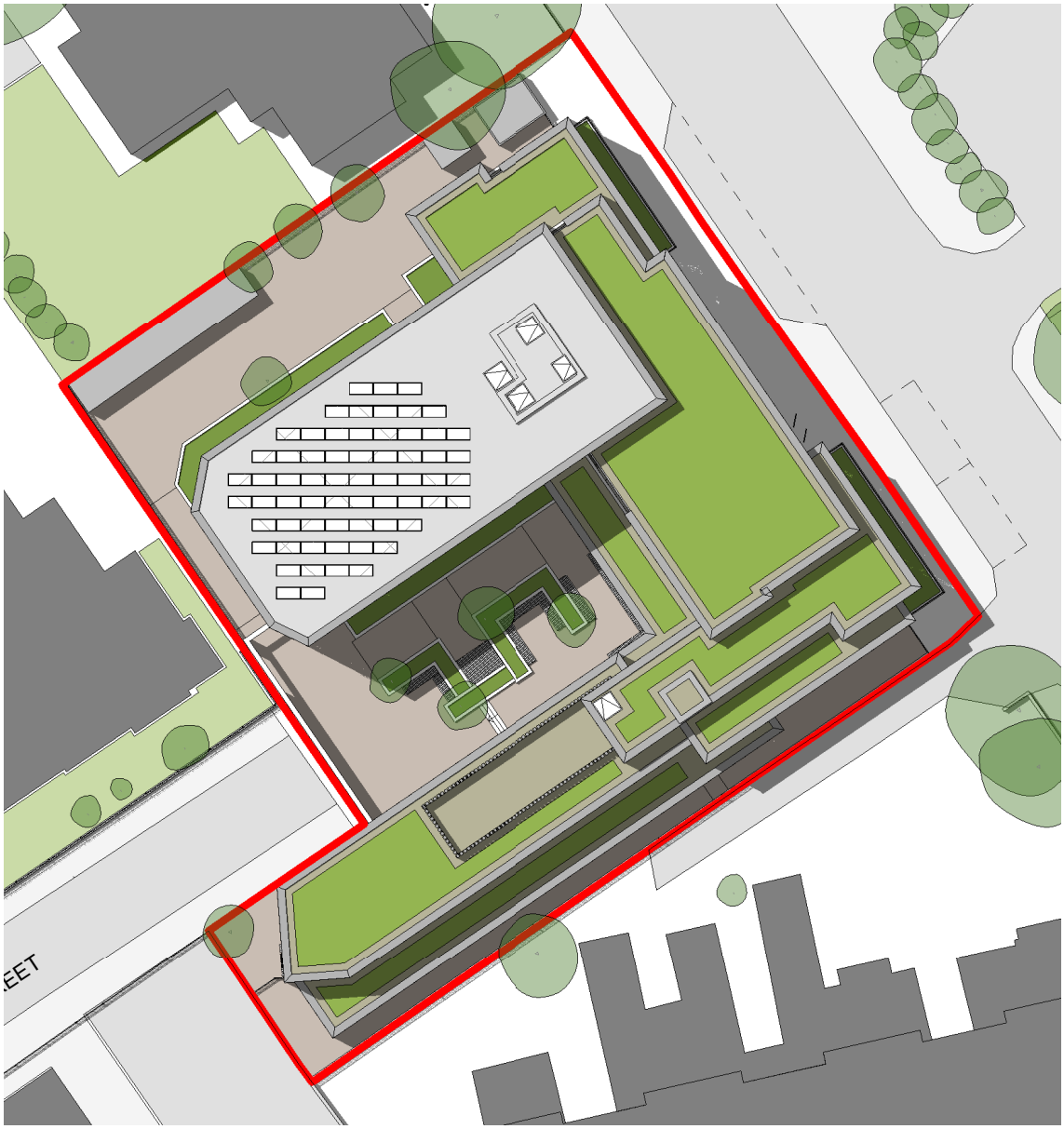


Figure 6.1 Overall Proposed development plan

7. Conceptual Site Model (CSM) and Preliminary Risk Assessment (PRA)

A means to qualitatively assess the risk posed by potential land contamination to a proposed development is to prepare an initial CSM and carry out a PRA. An initial CSM represents the characteristics of the site which influence the possible relationships between identified potential contaminant sources, pathways, and receptors. A PRA is undertaken for each potentially complete south-pathway-receptor linkage (potential contaminant linkage). The PRA assessment matrix used in this report is included as Appendix A. The risk assessment approach is in accordance with the principles set out in the *Land Contamination Risk Management* (LCRM) guidance, published by the Environment Agency on the UK Government website.

An initial CSM and PRA for the proposed development is set out below in consideration of all the information detailed in the earlier sections of this report. Should any changes be made to the proposed development compared to the details presented herein, or should any new information become available, then the PRA must be updated.

7.1. Potential Contaminants of Concern

The potential contamination sources identified as part of this assessment are summarised in this section. Off-site potential sources of contamination within 100m of the site boundary are identified and considered further, as well as potential sources of contamination within 250m of the site where the anticipated groundwater flow direction towards the south-west indicates a pathway to the site may be present. Relevant potential ground gas sources are identified within 500m of the site.

Current and former residential land-uses, retail units, offices, and other general commercial uses (non-industrial) are not considered potential sources of contamination unless stated otherwise.

Naturally occurring radon risks are discussed in Section 3.

Please be aware that the nature of historical records mean that every potential source of contamination may not be detailed in the available documents. Therefore, there is potential for additional sources of contamination to be present.

7.1.1. On-Site Sources

- Made Ground associated with the construction of the existing buildings on site and the demolition of the former row of residential garages (to rear of houses on High Street, later Hathersage Road – heavy metals and metalloids, acids / alkalis, PAHs, TPH (including fuels and oils), asbestos, elevated sulphate, VOC, SVOC, vapours, and ground gases.
- Current and historical use of the site as a garage, specialising in repairs, refurbishment and renovation and providing MOT services and including a poorly managed waste oil tank on site and parked vehicles – heavy metals and metalloids, PAHs, TPH (including BTEX and MTBE), asbestos, phenol, VOC and SVOC.

Potentially Asbestos containing materials (ACMs) have been identified within the roofing materials of at least two of the buildings on site and may also be present in remainder of the current building fabrics. Mitigation measures are described below separate to Table 7.1.

A potential on-site source location plan is included as Figure 7.1.

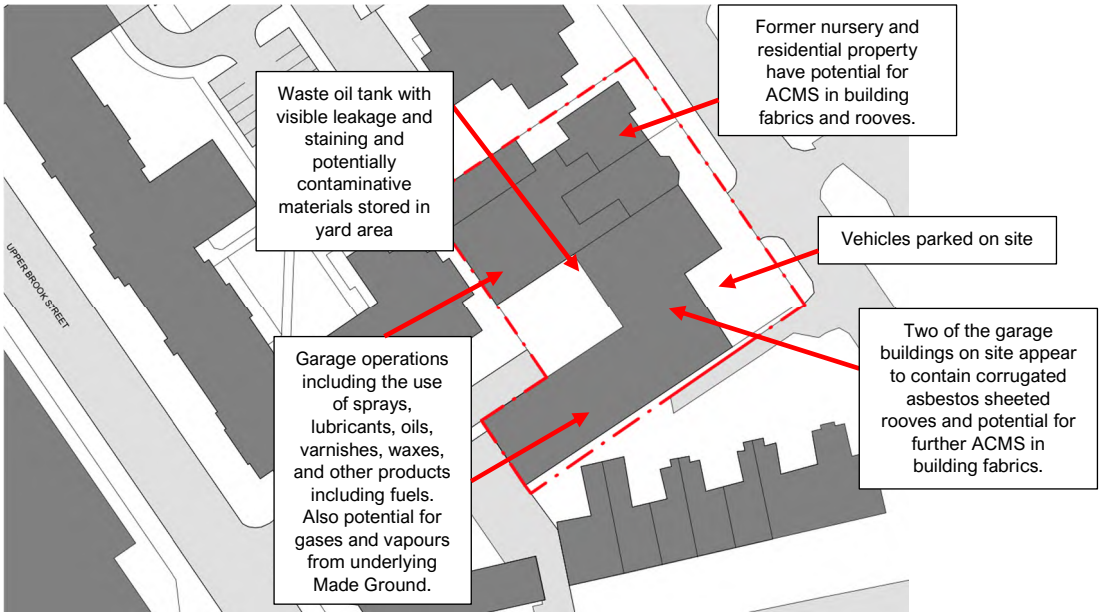


Figure 7.1 Potential on-site contamination sources

7.1.2. Off-Site Sources

- Bandbox Laundry (professional green garment care) approximately 30m south. Small-scale operation with modern environmental controls and permitting significantly reducing risk – phenols, heavy metals, TPH, PAH, VOC and SVOC.
- Electricity mains depot and sub-station from approximately 80m to 120m north – heavy metals, TPH and PCBs.
- Former garages approximately 45m east and 50m north-west – heavy metals, PAHs, TPH, phenols, VOC and SVOC.

The former small-scale laundry located approximately 25m north-west of the site, dating back to the early-1930s is not considered to pose a risk to the site, despite its proximity to the site boundary. The laundry had been removed by 1950 and this area was redeveloped as the West Indian Community Centre in the mid-1970s. It is assumed that appropriate clearance and remediation of this area was carried out, should contamination have been identified. It is also likely that any soluble contaminants associated with the former laundry have dispersed since removal around 70 years ago.

The above bullet-points are a summary list of the most pertinent potential off-site sources. Other potential off-site sources are identified in the earlier sections of this desk study have been excluded due to the absence of a realistic pathway to the site.

Asbestos has not been indicated for potential off-site sources as there is no relevant pathway for asbestos to migrate through the ground towards the site.

Notes

TPH – total petroleum hydrocarbons (inc. BTEX)

PAH – polycyclic aromatic hydrocarbons

VOC – volatile organic compounds

SVOC – semi-volatile organic compounds

BTEX – benzene, toluene, ethylbenzene, xylenes

PCBs – polychlorinated biphenyls

Asbestos – potential free fibres, debris and / or fragments of asbestos containing material (ACM).

Ground gas – methane, carbon dioxide, carbon monoxide and / or hydrogen sulphide (excludes soil vapour).

7.2. Potential Pathways

The potential pathways identified as part of this assessment include:

7.2.1. On-Site Human Health

- Dermal contact or ingestion of soils at the site.
- Inhalation of ground gas, soil vapour or soils at the site.
- Consumption of water from impacted water supply pipes installed as part of the proposed redevelopment.

7.2.2. Off-Site Human Health

- Inhalation of wind-blown soil derived from the site.
- Migration off-site at shallow depth via preferential pathways and / or shallow perched groundwater followed by direct contact / inhalation / ingestion of contaminated soils.
- Off-site migration of ground gas or soil vapour followed by accumulation and inhalation within neighbouring properties.
- Migration off-site at shallow depth via preferential pathways and / or shallow perched groundwater followed by impact to water supply pipes and ingestion.

7.2.3. On-Site Buildings and Below Ground Structures

- Direct contact of 'aggressive' ground and / or grossly impacted soils with building structures / foundations.
- Accumulation of ground gas or soil vapour within buildings followed by ignition.

7.2.4. Off-Site Buildings and Below Ground Structures

- Migration off-site via preferential pathways, shallow groundwater and / or shallow perched groundwater followed by direct contact with building structures / foundations.
- Off-site migration of ground gas or soil vapour followed by accumulation within buildings and ignition.

7.2.5. Controlled Waters

- Leaching from the unsaturated zone.
- Perched water percolation and / or lateral migration.
- Migration via advection and diffusion in the saturated zone.
- Vertical and lateral migration of free-phase product in the unsaturated and saturated zones.

7.2.6. Sensitive Ecology, Flora, and Fauna

- On-site ingestion / dermal contact / inhalation / root uptake.
- Off-site migration at shallow depth via preferential pathways and / or shallow perched groundwater followed by ingestion / dermal contact / inhalation / root uptake.
- Off-site migration via controlled waters pathways followed by ingestion / dermal contact / inhalation / root uptake.

7.3. Potential Receptors

The potential receptors identified as part of this assessment include:

- Human health of proposed site end users (students, visitors and staff living, working, and visiting within the student accommodation and occasional maintenance workers).
- Human health of off-site residential end users (directly north and west) and off-site commercial end users (from directly north, approximately 25m to the east and approximately 30m south of the site) and within the wider area around the site. The closest areas of open space are located approximately 25m west of the site and 10m north of the site, associated with the nearby student accommodation and the West Indian Community Centre respectively.

- Property including on-site (proposed) and off-site buildings and below ground structures (buried concrete and underground services).
- Controlled waters (groundwater) – Collyhurst Sandstone (Principal Aquifer) and its associated Zone III SPZ
- Controlled waters (groundwater) – Superficial Till (Secondary Undifferentiated Aquifer)

New foundation systems associated with the proposed redevelopment are anticipated to be founded within the Collyhurst Principal Aquifer. On this basis, this could create preferential pathways via piling. The Client should inform A-squared of the foundation termination depths once final designs have been prepared so that the requirement for a foundation works risk assessment can be confirmed and an assessment undertaken.

It is unlikely that on-site contamination is to migrate to the depths of the Pennine Upper Carboniferous Coal Measures (Secondary A Aquifer) and therefore, this unit has not been assessed further as a potential receptor.

The dominant direction of groundwater flow with the bedrock on site is anticipated to be towards the south and south-west, towards the River Mersey which is the dominant watercourse in the region. Despite this, no watercourses are recorded within the site vicinity and it is considered that there is no viable pathway to surface water receptors or abstraction points

Risks to site workers and the environment (from potential land contamination) during the construction phase of the proposed redevelopment can be appropriately managed by successful implementation of construction phase risk assessments and method statements (RAMS). The associated construction phase risks from potential contamination are not considered further in this document but should be appropriately considered and mitigated by the Principal Contractor in their preparation and implementation of construction phase RAMS and Construction Phase Plan (CPP).

7.4. Summary of Potential Contaminant Linkages

The information presented in this assessment has been compiled to produce a summary of the identified potential contaminant linkages, based on the initial CSM presented herein. Table 7.1 presents a PRA for the proposed redevelopment based on the identified potential contaminant linkages. This assessment has been performed considering the details of the proposed development presented in this report. Qualitative risk classifications are provided in accordance with *CIRIA C552: Contaminated Land Risk Assessment, A Guide to Good Practice (Rudland et al., 2001)* (see summary in Appendix A). Where no potentially complete contaminant linkage is identified then no risk classification is provided.

Table 7.1 Preliminary Risk Assessment (PRA)

Potential Contaminant Source	Potential Pathway	Potential Receptor	Potential Contaminant Linkage	Risk Level Classification
On-site See Section 7.1.1	Direct contact with soil	Human health of proposed site end users (see Section 7.3)	Yes (However, only in areas of new proposed soft landscaping)	Low to moderate †
	Inhalation of windblown soil			Low to moderate †
	Ingestion of soil			Low to moderate †
	Impact to water supply pipes followed by ingestion of contaminated water supply		Yes (New pipes may be laid in impacted soils)	Low to moderate †
	Ground gas generation and inhalation		Yes (Made Ground and any contamination on site	Low to moderate †

Potential Contaminant Source	Potential Pathway	Potential Receptor	Potential Contaminant Linkage	Risk Level Classification
			represent a potential source of ground gas)	
	Soil vapour generation and inhalation		Yes (Volatile contaminants are potentially present)	Low to moderate †
	Inhalation of windblown soil from the site		Yes (Proposed site is predominantly sealed which prevent it acting as a viable source)	Very low
	Off-site migration and direct contact with impacted soil	Off-site human health (See Section 7.3)	Yes (Open ground areas associated with student accommodation and the community centre present in the vicinity)	Low to moderate †
	Off-site migration and ingestion of impacted soil			Low to moderate †
	Impact to water supply pipes followed by ingestion of contaminated water supply		Yes (Pipes may be laid in nearby soils impacted by potential contamination)	Low to moderate †
	Ground gas generation, off-site migration, and inhalation		Yes (Made Ground and current site use represents a potential source of ground gas)	Low to moderate †
	Soil vapour generation, off-site migration, and inhalation		Yes (Volatile contaminants are potentially present)	Low to moderate †
	Direct contact	On-site below ground structures (proposed)	Yes (Structures may be constructed in impacted soils)	Low to moderate †
	Migration followed by ignition of ground gas		Yes (Made Ground and current site use represents a potential source of ground gas)	Low to moderate †
	Migration followed by ignition of soil vapour		Yes (Volatile contaminants are potentially present)	Low to moderate †
	Off-site migration followed by direct contact	Off-site below ground structures	Yes (Onsite contamination unlikely to migrate off site	Low

Potential Contaminant Source	Potential Pathway	Potential Receptor	Potential Contaminant Linkage	Risk Level Classification
			and cause damage to adjacent foundations)	
	Off-site migration followed by ignition of ground gas		Yes (Made Ground and current site use represents a potential source of ground gas)	Low to moderate †
	Off-site migration followed by ignition of soil vapour		Yes (Volatile contaminants are potentially present)	Low to moderate †
	Leaching and migration to groundwater via the unsaturated zone; Perched water percolation or lateral migration; Migration via advection and diffusion in the saturated zone; and Vertical and lateral migration of free-phase product in the unsaturated and saturated zones.	Controlled waters - Underlying Collyhurst Sandstone Formation (Principal Aquifer and associated SPZ) and Superficial Till (Secondary Undifferentiated)	Yes (Limited shallow groundwater likely to be present within the Till and groundwater likely to be present at depth within the Collyhurst Sandstone Formation)	Low to moderate †
	On-site ingestion / dermal contact / inhalation / root uptake	Flora and fauna in proposed soft-landscaped areas at the site	Yes (Very limited soft-landscaping is proposed and it is of low sensitivity)	Low
	Off-site migration at shallow depth followed by ingestion / dermal contact / inhalation / root uptake	Off-site flora and fauna in soft-landscaped areas nearby	Yes (Very limited soft-landscaping is in the immediately surrounding area and it is of low sensitivity)	Low
Off-site See Section 7.1.2	On-site migration followed by direct contact or ingestion of soil	Human health of proposed site end users (See Section 7.3)	Yes (However, the site predominantly appears to have a completely sealed surface)	Very low
	Inhalation of windblown soil from off-site		No (Surrounding area predominantly sealed surfaces, therefore a viable source of contaminated windblown soil is not present)	No pathway

Potential Contaminant Source	Potential Pathway	Potential Receptor	Potential Contaminant Linkage	Risk Level Classification
	On-site migration followed by impact to water supply pipes and ingestion of the water supply		Yes (Pipes may be laid in soils impacted by potential off-site sources)	Low to moderate †
	Ground gas generation, on-site migration, and inhalation		No (No sources of off-site ground gas have been identified)	No classification
	Soil vapour generation, on-site migration, and inhalation		Yes (Potential sources of volatile contamination have been identified in the vicinity of the site)	Low to moderate †
	On-site migration followed by direct contact	On-site below ground structures (proposed)	Yes (Unlikely that gross contamination with potential to damage structures is migrating onto site)	Low
	On-site migration followed by ignition of ground gas		No (No sources of off-site ground gas have been identified)	No classification
	On-site migration followed by ignition of soil vapour		Yes (Potential sources of volatile contamination have been identified)	Low to moderate †
	On-site ingestion / dermal contact / inhalation / root uptake	Flora and fauna in proposed soft-landscaped areas at the site	Yes (very limited soft-landscaping is proposed and it is of low sensitivity)	Very low

† - unacceptable risk (ref. *LCRM* guidance)

The PRA has identified potential contaminant linkages with a maximum ‘low to moderate’ risk classification.

Based on the results of the PRA, it is considered that there are unacceptable risks (ref. *LCRM* guidance) which have been identified with respect to human health, controlled waters and property including on-site (proposed) and off-site buildings and below ground structures (buried concrete and underground services). The key source of contamination at the site is the Made Ground and current and historical activities that have and are taking place including garage operations. Visible evidence of hydrocarbon contamination was observed during the site walkover and the use of products, car dismantling, repairs, and servicing, as well as the parking and potential fuelling / oil changing on site is likely to have results in some spills and leaks and impacted the underlying soils and potentially any groundwater present. There is also a risk from ground gas and vapours on site associated with these activities and any underlying Made Ground.

Therefore, it is recommended that appropriately targeted ground investigation is undertaken for geo-environmental purposes to enable a refinement of the CSM and geo-environmental assessments for the specifically identified unacceptable risks. The next stage of geo-environmental assessment should include a generic quantitative risk assessment (GQRA) for human health and controlled waters purposes. Appropriate assessments should also be made with respect to the proposed on-site buildings and structures, including an assessment of the risk from sulphate 'attack' to foundations. The recommended ground investigation and assessments should be undertaken and presented in a 'Phase II' type geo-environmental interpretive report in accordance with *BS10175:2011 Investigation of Potentially Contaminated Sites – Code of Practice* and *LCRM* guidance. A programme of groundwater and ground gas monitoring will be required as part of the ground investigation.

The ground investigation should be undertaken following the clearance of the site.

The risk represented by potential ACMs in the current building fabric can be addressed by commissioning an Asbestos Demolition Survey for the relevant areas of the current buildings to be demolished. If ACMs are identified then their onward management should be informed by an asbestos specialist, but it is considered that appropriate ACM removal will be required prior to any phases of demolition.

Design of a future geo-environmental site investigation is outside the scope of this document.

8. Closing Remarks

A-squared was appointed by the Client, Whitby Wood Ltd to prepare a phase I desk study for the proposed development at Rafters Garage located at 90 Carmoor Road in Manchester. The desk study provides an initial CSM and qualitative PRA for the proposed development in accordance with the principles set out in *LCRM* guidance, published by the Environment Agency on the UK Government website. The desk study has also been prepared in the context of the *NPPF* and *The Building Regulations 2010, Approved Document C - Site preparation and resistance to contaminants and moisture (2004 Edition incorporating 2010 and 2013 amendments)*.

The southern area of the site currently includes three buildings, single-storey warehouse style commercial buildings which operate as Rafters Garage. An associated forecourt and parking area is present at the front of the buildings on the western side of Carmoor Road. A three-storey brick-built residential property and a brick-built building which formerly operated as Catherine´s Little Angels Day Nursery are present within the northern area of the site. A small garden area is present to the rear of the former nursery on site and contains both soft landscaping and hardstanding areas. The complete clearance of the site and the demolition of all five of the existing buildings is proposed on site.

The ground conditions at the site indicate the presence of Till deposits (Diamicton) underlain by the Collyhurst Sandstone Formation bedrock. Made Ground of variable thickness is anticipated to be present across the site based on the identified site history and current site use.

An *Unlikely* UXO hazard rating was identified for the project site from a preliminary UXO assessment. The site and the immediate surrounds have a high explosive bomb density of less than 15 bombs per 100 hectares, recorded as a very low level of bombing. No Luftwaffe primary bombing targets were recorded on site or within 1km of the site. There is no evidence to suggest that further investigation into UXO is warranted.

The PRA has identified potential contaminant linkages with a maximum ‘moderate’ risk classification. Based on the results of the PRA, it is considered that there are unacceptable risks (ref. *LCRM* guidance) to human health, controlled waters and property. The key source of contamination at the site is the Made Ground and current and historical activities that have and are taking place including garage operations. Visible evidence of hydrocarbon contamination was observed during the site walkover and the use of products, car dismantling, repairs, and servicing, as well as the parking and potential fuelling / oil changing on site is likely to have results in some spills and leaks and impacted the underlying soils and potentially any groundwater present. There is also a risk from ground gas and vapours on site associated with these activities and any underlying Made Ground.

Therefore, it is recommended that appropriately targeted ground investigation is undertaken for geo-environmental purposes to enable a refinement of the CSM and geo-environmental assessments for the specifically identified unacceptable risks. The next stage of geo-environmental assessment should include a generic quantitative risk assessment (GQRA) for human health and controlled waters purposes. Appropriate assessments should also be made with respect to the proposed on-site buildings and structures, including an assessment of the risk from sulphate ‘attack’ to foundations. The recommended ground investigation and assessments should be undertaken and presented in a ‘Phase II’ type geo-environmental interpretive report in accordance with *BS10175:2011 Investigation of Potentially Contaminated Sites – Code of Practice* and *LCRM* guidance. A programme of groundwater and ground gas monitoring will be required as part of the ground investigation.

The ground investigation should be undertaken following the clearance of the site.

The risk represented by potential ACMs in the current building fabrics can be addressed by commissioning an Asbestos Demolition Survey for the buildings to be demolished. It is considered that appropriate ACM removal will be required prior to any phases of demolition. If ACMs are identified, then their onward management should be informed by an asbestos specialist.

No further radon assessment is required, and no radon protection needs to be incorporated into the proposed building fabric.

Risks to site workers and the environment (from potential land contamination) during the construction phase of the proposed redevelopment can be appropriately managed by successful implementation of construction phase RAMS. The associated construction phase risks from potential contamination should be appropriately considered and mitigated by the Principal Contractor in their preparation and implementation of construction phase RAMS and CPP.

This desk study should be made available to those preparing the operational site Health & Safety File for the proposed development.

The final specification for newly installed water supply pipes should be based on the risk assessments and recommendations presented herein and agreed with the utility provider.

Should any changes be made to the proposed development compared to the details presented herein, or should any new information become available, then the assessments included in this desk study must be updated.

The Client should inform A-squared of the foundation termination depths once final designs have been prepared so that a foundation works risk assessment can be undertaken if required.

Appendix A: Qualitative Risk Assessment Matrix

A-squared Studio Engineers Ltd. qualitative risk assessment for geo-environmental purposes is undertaken in accordance with *CIRIA C552: Contaminated Land Risk Assessment, A Guide to Good Practice (Rudland et al., 2001)*. The CIRIA C552 risk categories and the assessment methodology are summarised below in Table A.1, Table A.2 and Table A.3. Potential magnitude and potential likelihood are both classified to enable a risk rating to be assessed.

Potential magnitude takes into account the potential consequences should a complete source–pathway–receptor linkage be present. Potential magnitude is classified as per Table A.1.

Table A.1 Definition of potential magnitude of consequence

Category	Definition
Severe	Acute risks to human health, catastrophic damage to buildings / property, major pollution to controlled waters.
Medium	Chronic risk to human health, pollution of sensitive controlled waters, significant effects on sensitive ecosystems or species, significant damage to buildings or structures.
Mild	Pollution of non-sensitive waters, minor damage to buildings or structures.
Minor	Damage to non-sensitive ecosystems or species.

Potential likelihood takes into account the presence of the hazard and receptor as well as the integrity of the pathway for exposure, i.e., whether a source-pathway-receptor linkage is present or not. Potential likelihood is classified as per Table A.2.

Table A.2 Definition of potential likelihood of exposure

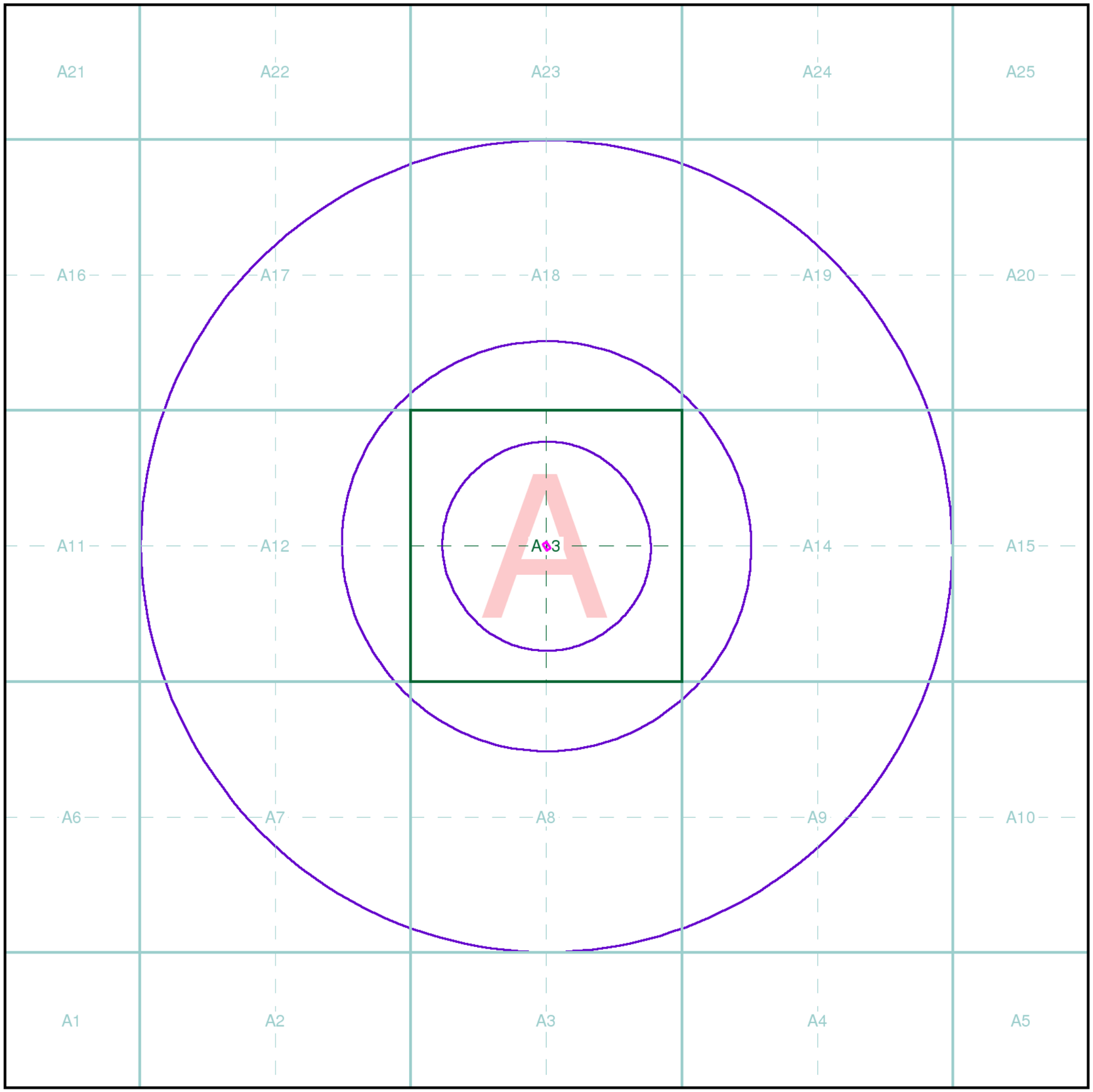
Category	Definition
High Likelihood	Pollutant linkage may be present and is almost certain to occur in the long-term. Or there is evidence of harm to the receptor.
Likely	Pollutant linkage may be present, and it is probable that it will occur over the long-term.
Low Likelihood	Pollutant linkage may be present, and there is a possibility that it will occur, although there is no certainty that it will do so.
Unlikely	Pollutant linkage may be present, but it is improbable that it will occur.

The potential magnitude of consequence and the potential likelihood of exposure are assessed in accordance with the risk matrix presented in Table A.3.

Table A.3 Geo-environmental risk assessment matrix

		Potential Magnitude of Consequence			
		Severe	Medium	Mild	Minor
Potential Likelihood of Exposure	High Likelihood	Very High	High	Moderate	Low to Moderate
	Likely	High	Moderate	Low to Moderate	Low
	Low Likelihood	Moderate	Low to Moderate	Low	Very Low
	Unlikely	Low to Moderate	Low	Very Low	Very Low

Appendix B: Envirocheck Report



Envirocheck®

LANDMARK INFORMATION GROUP®

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 A Fasano, A-squared Studio, 66 Church Road,
Richmond, TW10 6LN

Order Details

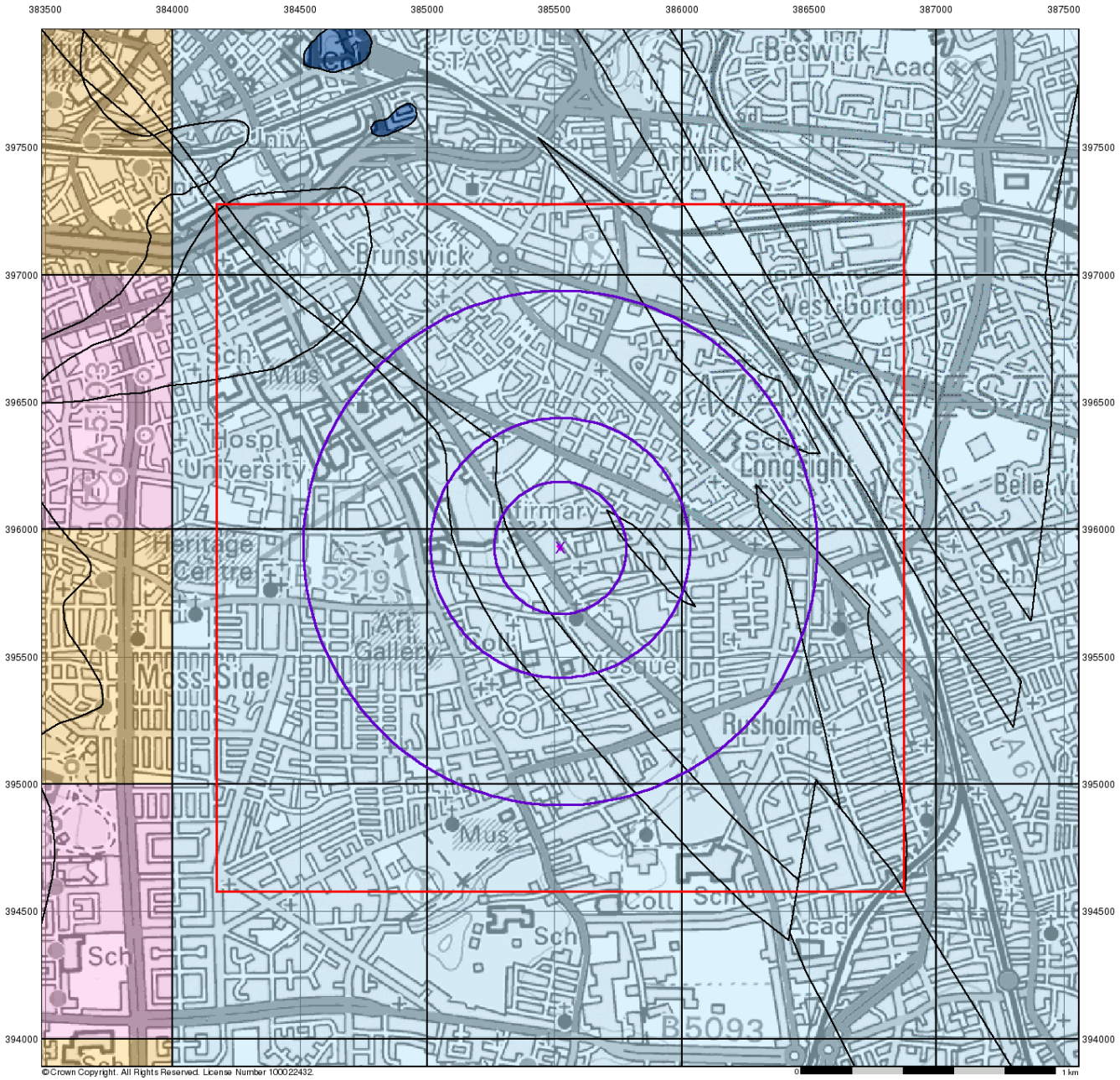
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

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

Landmark® INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

LANDMARK INFORMATION GROUP®

Groundwater Vulnerability

General

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

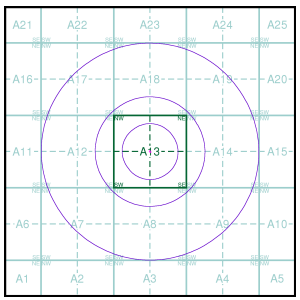
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

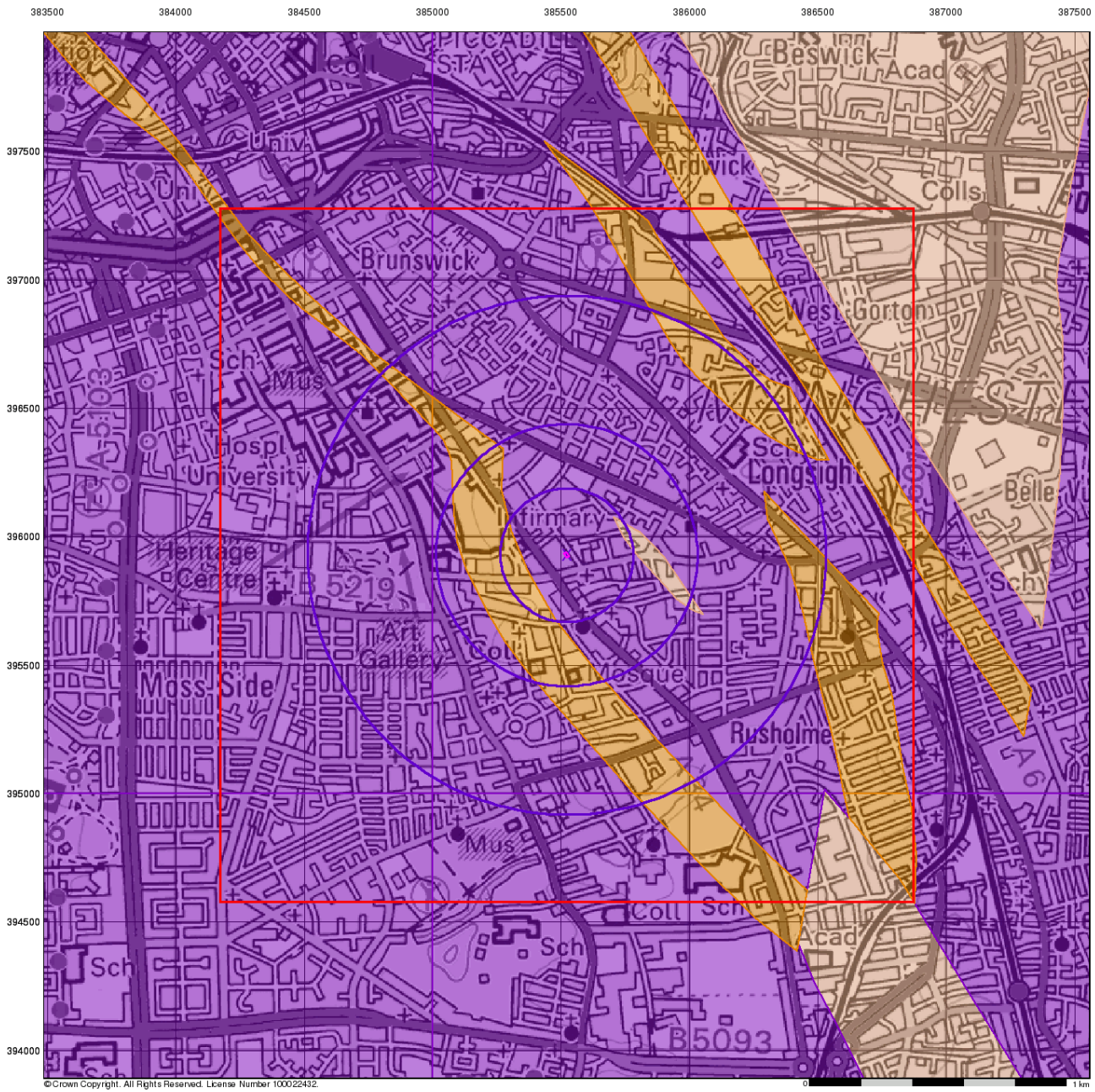
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

Bedrock Aquifer Designation

General

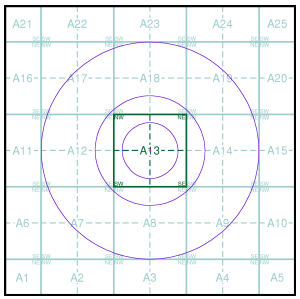
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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

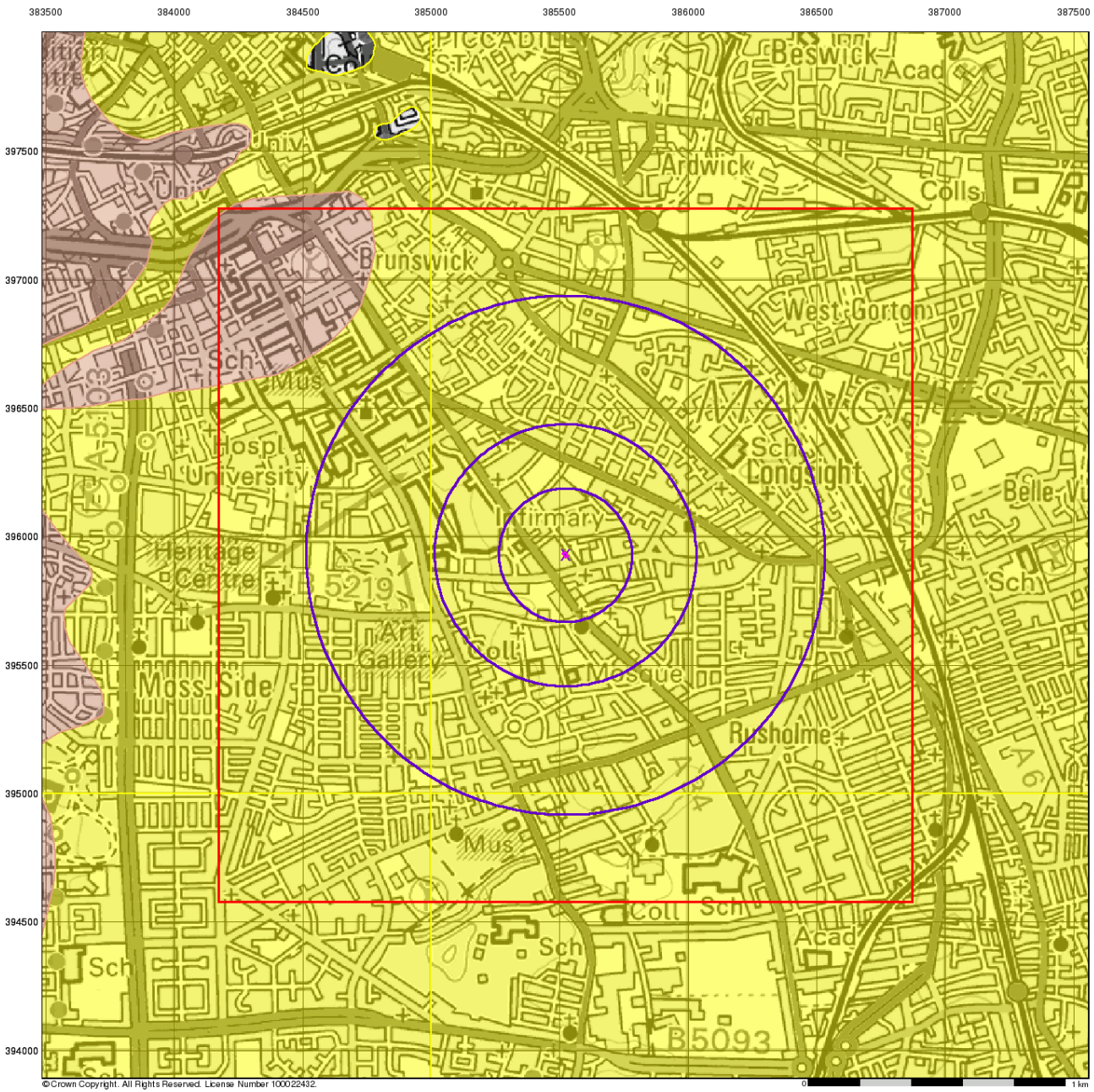
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

Superficial Aquifer Designation

General

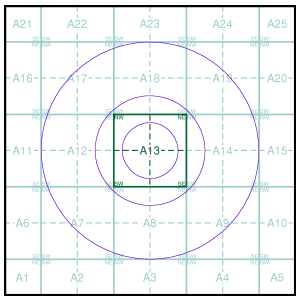
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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



Order Details

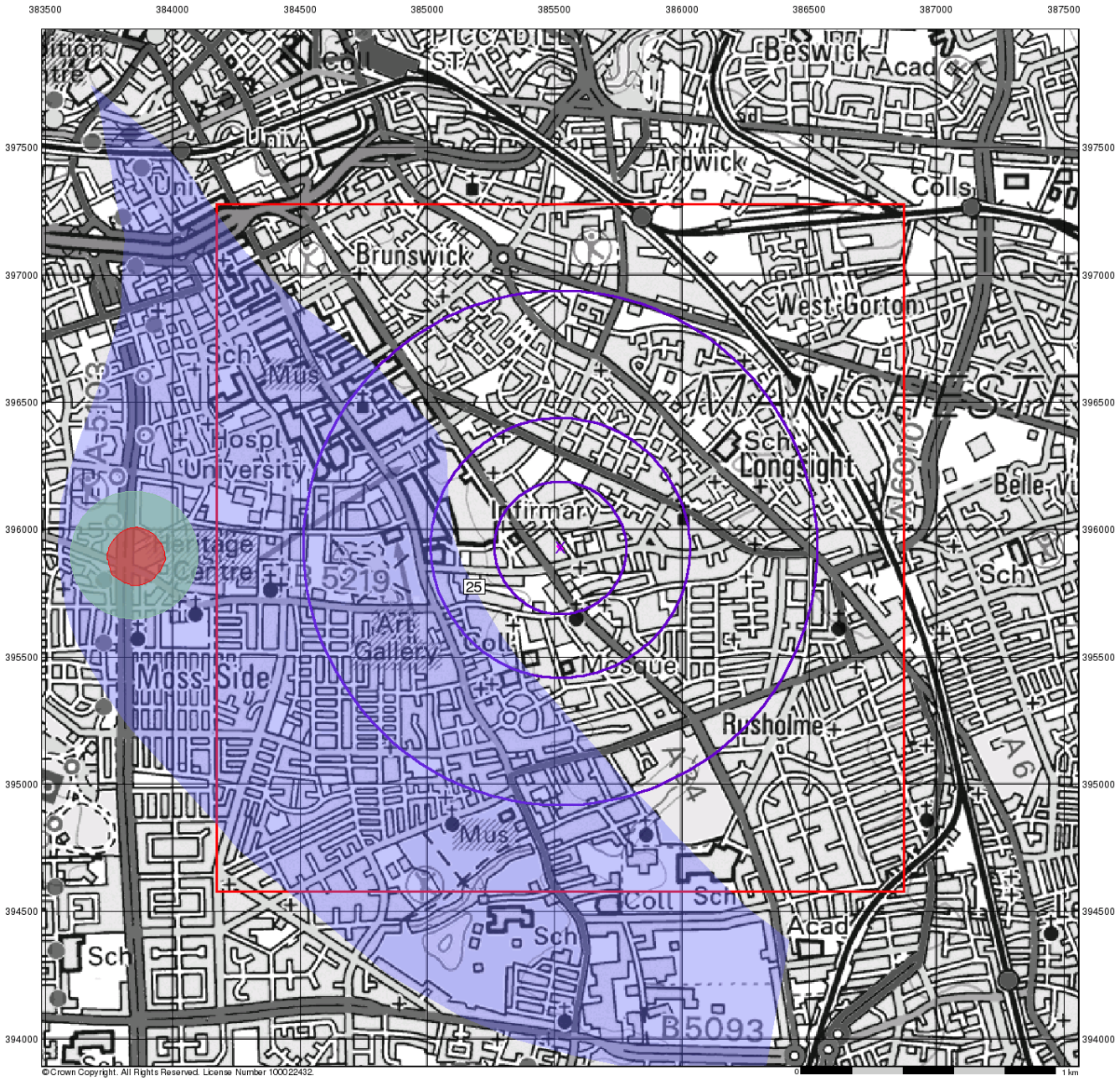
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

Source Protection Zones

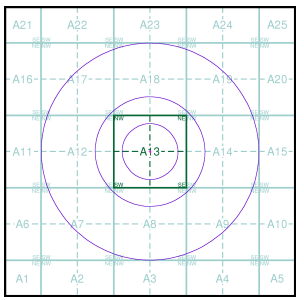
General

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)

Site Sensitivity Context Map - Slice A



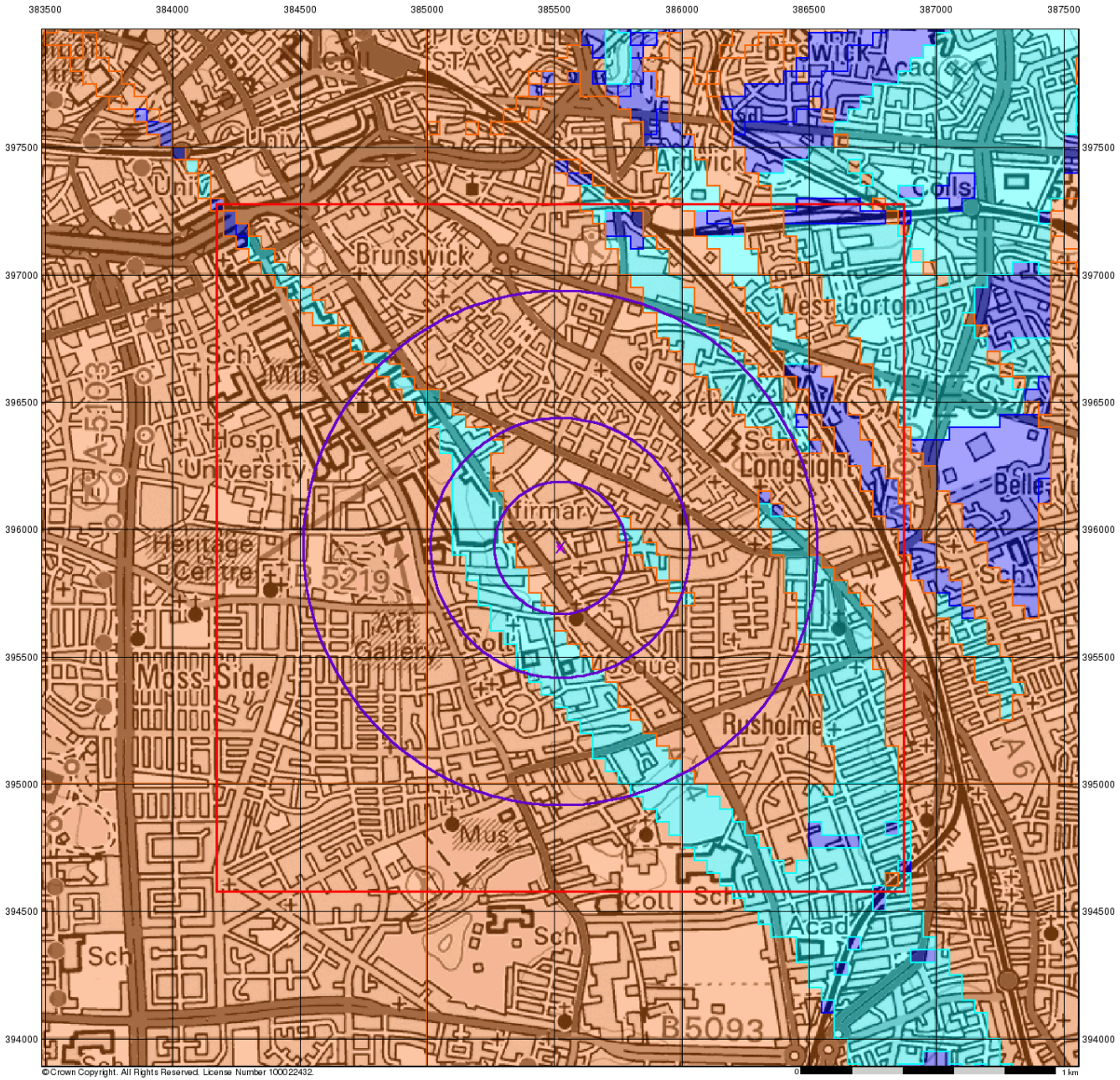
Order Details

Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

LANDMARK INFORMATION GROUP®

BGS Flood GFS Data

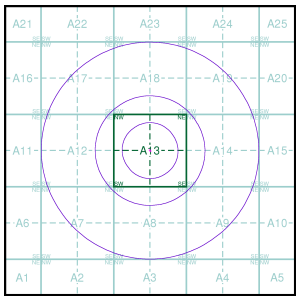
General

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

Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303236239_1_1

Customer Reference:
2554

National Grid Reference:
385520, 395930

Slice:
A

Site Area (Ha):
0.02

Search Buffer (m):
1000

Site Details:

Rafters Garage, 90
Carmoor Road
MANCHESTER
M13 0FB

Client Details:

Mr A Fasano
A-squared Studio
66 Church Road
Richmond
TW10 6LN

Envirocheck®
LANDMARK INFORMATION GROUP®

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	18
Hazardous Substances	-
Geological	22
Industrial Land Use	27
Sensitive Land Use	-
Data Currency	54
Data Suppliers	61
Useful Contacts	62

Introduction

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

Copyright Notice

© Landmark Information Group Limited 2022. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency/Natural Resources Wales and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer.
A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.
© Environment Agency & United Kingdom Research and Innovation 2022. © Natural Resources Wales & United Kingdom Research and Innovation 2022.

Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and Intellectual Property Rights for the data.

Scottish Natural Heritage Copyright

Contains SNH information licensed under the Open Government Licence v3.0.

Ove Arup Copyright Notice

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Stantec Copyright Notice

The cavity data presented has been extracted from the PBA (now Stantec UK Ltd) enhanced version of the original DEFRA national cavity databases. Stantec UK Ltd retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by Stantec UK Ltd. In no event shall Stantec UK Ltd or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Natural Resources Wales Copyright Notice

Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Contains Ordnance Survey Data. Ordnance Survey Licence number 100019741. Crown Copyright and Database Right. Contains Natural Resources Wales information © Natural Resources Wales and Database Right. All rights Reserved. Some features of this information are based on digital spatial data licensed from the Centre for Ecology & Hydrology © NERC (CEH). Defra, Met Office and DARD Rivers Agency © Crown copyright. © Cranfield University. © James Hutton Institute. Contains OS data © Crown copyright and database right 2022. Land & Property Services © Crown copyright and database right.

Report Version v53.0

Envirocheck®
LANDMARK INFORMATION GROUP®

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 1		2		12
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4		2	3	6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6			Yes	
Pollution Incidents to Controlled Waters	pg 6				1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 6				35
River Quality	pg 12				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 12				2 (*16)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 16	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Source Protection Zones	pg 16			1	
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 17				3

Envirocheck®
LANDMARK INFORMATION GROUP®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 18		1		
Local Authority Landfill Coverage	pg 18	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 18		5	11	40
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 21		1		
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Envirocheck®
LANDMARK INFORMATION GROUP®

Summary

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 22	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 22	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 23			Yes	Yes
BGS Urban Soil Chemistry Averages	pg 26	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 26	Yes	n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 26	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 27	1	13	8	139
Fuel Station Entries	pg 41		1		7
Points of Interest - Commercial Services	pg 42	2	2	1	40
Points of Interest - Education and Health	pg 46		4	7	6
Points of Interest - Manufacturing and Production	pg 47		2	5	18
Points of Interest - Public Infrastructure	pg 49		7		11
Points of Interest - Recreational and Environmental	pg 51			4	20
Gas Pipelines					
Underground Electrical Cables					

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					
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	A13NE (NW)	0	1	385522 395928
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	140	1	385400 395850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	221	1	385750 395950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	340	1	385200 395800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	437	1	385950 395800
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Butler Street/Woodward Street Cso 112-130 Butler Street, ., Manchester, Greater Manchester, M4 7jj Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0038 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 4th February 2016 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 (S)	188	2	385580 395740
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Butler Street/Woodward Street Cso 112-130 Butler Street, ., Manchester, Greater Manchester, M4 7jj Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0038 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 (S)	188	2	385580 395740
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Walmer St/Wilmslow Rd, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0382 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	638	2	385150 395400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Oxford Road Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982917 Permit Version: 3 Effective Date: 8th November 1995 Issued Date: 8th November 1995 Revocation Date: 13th July 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Malkin Brook Trib Corn Bk **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A12SE (W)	674	2	384850 395810
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Oxford Road Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982917 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 10th May 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Malkin Brook Trib Corn Bk **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A12SE (W)	674	2	384850 395810
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Oxford Road Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982917 Permit Version: 2 Effective Date: 11th May 1995 Issued Date: Not Supplied Revocation Date: 7th November 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Malkin Brook Trib Corn Bk **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A12SE (W)	674	2	384850 395810
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 161 A Dickenson Road Cso 161 A Dickenson Road, Manchester, ., Greater Manchester, M14 5de Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016942046 Permit Version: 1 Effective Date: 6th October 1986 Issued Date: 6th October 1986 Revocation Date: 4th May 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Gore Brook **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	983	2	386110 395130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 161 A Dickenson Road Cso 161 A Dickenson Road, Manchester, ., Greater Manchester, M14 5de Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982725 Permit Version: 2 Effective Date: 4th December 2019 Issued Date: 4th December 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Gore Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	984	2	386105 395125
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Birchfields Rd Cso, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982996 Permit Version: 1 Effective Date: 23rd June 1995 Issued Date: Not Supplied Revocation Date: 27th March 2015 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Gore Brook **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	987	2	386130 395140
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 161 A Dickenson Road Cso 161 A Dickenson Road, Manchester, ., Greater Manchester, M14 5de Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0297 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: Gore Brook **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	987	2	386110 395125
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Thoresway Road/Birchfields Road Cso, Thoresway Road/Birchfields Road, Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016942046 Permit Version: 2 Effective Date: 5th May 2006 Issued Date: 5th May 2006 Revocation Date: 27th March 2015 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Gore Brook **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	989	2	386120 395130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 161 A Dickenson Road Cso 161 A Dickenson Road, Manchester, ., Greater Manchester, M14 5de Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982725 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 3rd December 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Gore Brook **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	990	2	386115 395125
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Thorsway/Birchfield Rd, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0242 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: Gore Brook **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	997	2	386120 395120
5	**Discharge Consents** Operator: Cariocca Enterprises (Manchester) Ltd Property Type: CONSTRUCTION OF BUILDINGS Location: Cariocca Development Swo, Hyde Road/Devonshire Street, Ardwick, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991353 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: Cornbrook Culvert **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A18NE (N)	997	2	385620 396930
6	**Local Authority Pollution Prevention and Controls** Name: Tesco Express Rusholme Location: 257 Upper Brook Street, Rusholme, MANCHESTER, Lancashire, M13 0HL Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/031/06 Dated: 3rd March 2003 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status:** **Authorised** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	187	3	385371 396054
6	**Local Authority Pollution Prevention and Controls** Name: Tesco Express (Mancunian Service Station) Location: 257 Upper Brook Street, Victoria Park, Rusholme, Manchester, M13 0hl Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/031/06 Dated: 3rd March 2003 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status:** **Permitted** Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	212	3	385353 396071

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Local Authority Pollution Prevention and Controls** Name: Manchester Royal Infirmary Location: Central Services Complex, off Hathersage Road, Rusholme, MANCHESTER, Lancashire, M13 9WL Authority: Manchester City Council, Environmental Health Department Permit Reference: Not Given Dated: 22nd May 1996 Process Type: Local Authority Air Pollution Control Description: PG5/1Clinical waste incineration processes under 1 tonne an hour **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	374	3	385178 396099
8	**Local Authority Pollution Prevention and Controls** Name: Green Brothers Ltd Location: Condor Works, Rusholme Place, MANCHESTER, Lancashire, M14 5GB Authority: Manchester City Council, Environmental Health Department Permit Reference: 47/93 Dated: 31st August 1993 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic **Status: Authorisation revoked** Positional Accuracy: Automatically positioned to the address	A12SE (W)	410	3	385131 395784
9	**Local Authority Pollution Prevention and Controls** Name: Manchester Road Garages Location: Oxford Road, Rusholme, Manchester, Greater Manchester, M13 0jd Authority: Manchester City Council, Environmental Health Department Permit Reference: N/A Dated: 4th November 1993 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A12SE (W)	469	3	385069 395780
10	**Local Authority Pollution Prevention and Controls** Name: Tcs Rushome Location: 25-33 Wilmslow Road, Rusholme, MANCHESTER, Lancashire, M14 5TB Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/39/98-99 Dated: 21st June 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revoked** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	511	3	385118 395606
10	**Local Authority Pollution Prevention and Controls** Name: Tcs - Rusholme Location: 25-33 Wilmslow Road, Rusholme, M14 5tb Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/024/06 Dated: 22nd December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	517	3	385110 395607
11	**Local Authority Pollution Prevention and Controls** Name: Moss Side Service Station Location: Wilmslow Road, Rusholme, MANCHESTER, Lancashire, M14 5AQ Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/8/98 Dated: 22nd December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	585	3	385071 395547
12	**Local Authority Pollution Prevention and Controls** Name: Save Service Station Whitworth Park Location: 490 Moss Lane East, Rusholme, MANCHESTER, Lancashire, M14 4PA Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/36/98/02 Dated: 16th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revoked** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	665	3	384909 395655

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Local Authority Pollution Prevention and Controls** Name: Mercury Filling Station Location: 353 Stockport Road, Longsight, MANCHESTER, M13 0LF Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/012/06 Dated: 20th December 2001 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	828	3	386341 396096
14	**Local Authority Pollution Prevention and Controls** Name: Wilmslow Service Station Location: 261 Wilmslow Road, Rusholme, MANCHESTER, Lancashire, M14 5NL Authority: Manchester City Council, Environmental Health Department Permit Reference: Pfs/19/98 Dated: 7th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	968	3	385391 394960
	Nearest Surface Water Feature	A13NE (NE)	287	-	385710 396154
15	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Gore Brook, Platt Fields And Birchfield Park Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Cloudy Incident Date: 26th January 1998 Incident Reference: SO980171 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	863	2	386000 395200
16	**Registered Radioactive Substances** Name: National Blood Authority Location: Manchester Blood Centre, Plymouth Grove, MANCHESTER, Greater Manchester, M13 9LL Authority: Environment Agency, North West Region Permit Reference: AQ9634 Dated: 30th March 1995 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Unknown	A18SW (NW)	508	2	385300 396395
17	**Registered Radioactive Substances** Name: Central Manchester University Hospitals Nhs Foundation Trust Location: Nuclear Medecine Department, Manchester Royal Infirmary, Oxford Road, Manchester, Greater Manchester, M13 9WL Authority: Environment Agency, North West Region Permit Reference: Bz4675 Dated: 19th September 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	584	2	385004 396218
17	**Registered Radioactive Substances** Name: Central Manchester University Hospitals Nhs Foundation Trust Location: Nuclear Medecine Department, Manchester Royal Infirmary, Oxford Road, Manchester, Greater Manchester, M13 9WL Authority: Environment Agency, North West Region Permit Reference: Bw6051 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	584	2	385004 396218

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Registered Radioactive Substances** Name: Central Manchester University Hospitals Nhs Foundation Trust Location: Nuclear Medecine Department, Manchester Royal Infirmary, Oxford Road, Manchester, Greater Manchester, M13 9WL Authority: Environment Agency, North West Region Permit Reference: Bm2926 Dated: 19th November 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	584	2	385004 396218
17	**Registered Radioactive Substances** Name: Central Manchester University Hospitals Nhs Foundation Trust Location: Nuclear Medecine Department, Manchester Royal Infirmary, Oxford Road, Manchester, Greater Manchester, M13 9WL Authority: Environment Agency, North West Region Permit Reference: AS1266 Dated: 29th March 1995 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	584	2	385004 396218
17	**Registered Radioactive Substances** Name: Manchester Central Hospitals Nhs Trust Location: Nuclear Medecine Department, Manchester Royal Infirmary, Oxford Road, Manchester, Greater Manchester, M13 9WL Authority: Environment Agency, North West Region Permit Reference: AB9712 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	584	2	385004 396218
17	**Registered Radioactive Substances** Name: Central Manchester University Hospitals Nhs Foundation Trust Location: Manchester Royal Infirmary, Oxford Road, MANCHESTER, M13 9WL Authority: Environment Agency, North West Region Permit Reference: Bz5027 Dated: 19th September 2005 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	603	2	384979 396212
17	**Registered Radioactive Substances** Name: Central Manchester University Hospitals Nhs Foundation Trust Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9wl Authority: Environment Agency, North West Region Permit Reference: CD4508 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Application has been determined by the EA** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	603	2	384979 396212
17	**Registered Radioactive Substances** Name: Central Manchester University Hospitals Nhs Foundation Trust Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9wl Authority: Environment Agency, North West Region Permit Reference: CD4486 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Application has been determined by the EA** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	603	2	384979 396212

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Registered Radioactive Substances** Name: Central Manchester And Manchester Childrens Nhs Trust Location: Manchester Royal Eye Hospital, Nelson Street, MANCHESTER, Greater Manchester, M13 9WH Authority: Environment Agency, North West Region Permit Reference: AP9353 Dated: 1st April 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 variation** Positional Accuracy: Unknown	A12NE (NW)	636	2	384932 396191
19	**Registered Radioactive Substances** Name: Renovo Ltd Location: Manchester Incubator Building, Grafton Street, MANCHESTER, M13 9XX Authority: Environment Agency, North West Region Permit Reference: BI1959 Dated: 27th July 2001 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 either revoked or cancelled** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	678	2	384984 396357
19	**Registered Radioactive Substances** Name: Renovo Ltd Location: Manchester Incubator Building, Grafton Street, MANCHESTER, M13 9XX Authority: Environment Agency, North West Region Permit Reference: BI1967 Dated: 27th July 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	678	2	384984 396357
19	**Registered Radioactive Substances** Name: University Of Manchester Innovation Centre (Umic) Location: 48 Grafton Street, Manchester, M13 9xx Authority: Environment Agency, North West Region Permit Reference: TB3139DJ Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Application has been determined by the EA** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	722	2	384952 396387
20	**Registered Radioactive Substances** Name: Syngenta Ltd Location: Manchester Incubator Building, Grafton Street, MANCHESTER, M13 9XX Authority: Environment Agency, North West Region Permit Reference: BI2955 Dated: 27th July 2001 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 either revoked or cancelled** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	693	2	384953 396341
20	**Registered Radioactive Substances** Name: Syngenta Ltd Location: Manchester Incubator Building, Grafton Street, MANCHESTER, M13 9XX Authority: Environment Agency, North West Region Permit Reference: BI2963 Dated: 27th July 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	693	2	384953 396341

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Registered Radioactive Substances** Name: Manchester Incubator Co Ltd Location: Manchester Incubator Building, Grafton Street, MANCHESTER, M13 9XX Authority: Environment Agency, North West Region Permit Reference: BI1932 Dated: 27th July 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	696	2	384946 396336
20	**Registered Radioactive Substances** Name: Motac Neuroscience Ltd Location: Manchester Incubator Building, Grafton Street, MANCHESTER, M13 9XX Authority: Environment Agency, North West Region Permit Reference: BI1924 Dated: 27th July 2001 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 either revoked or cancelled** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	702	2	384934 396330
20	**Registered Radioactive Substances** Name: Motac Neuroscience Ltd Location: Manchester Incubator Building, Grafton Street, MANCHESTER, M13 9XX Authority: Environment Agency, North West Region Permit Reference: BI1916 Dated: 27th July 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	702	2	384934 396330
21	**Registered Radioactive Substances** Name: Renovo Ltd Location: Manchester Incubator Building, Grafton Street, Manchester, M13 9xx Authority: Environment Agency, North West Region Permit Reference: By5196 Dated: 19th October 2004 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	796	2	384859 396386
21	**Registered Radioactive Substances** Name: Manchester Incubator Co Ltd Location: Manchester Incubator Building, Grafton Street, Manchester, M13 9xx Authority: Environment Agency, North West Region Permit Reference: Bw6175 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	816	2	384853 396412
21	**Registered Radioactive Substances** Name: The University Of Manchester Location: South Campus, Oxford Road, Manchester, M13 9pl Authority: Environment Agency, North West Region Permit Reference: NP3893SR Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied **Status: Application has been determined by the EA** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	831	2	384840 396420
21	**Registered Radioactive Substances** Name: Manchester Incubator Co Ltd Location: Incubator Building, 48, Grafton Street, MANCHESTER, M13 9XX Authority: Environment Agency, North West Region Permit Reference: Bz3075 Dated: 23rd June 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Application has been authorised and any conditions apply to the operator** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	833	2	384843 396428

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Registered Radioactive Substances** Name: Manchester Incubator Co Ltd Location: Manchester Incubator Building, Grafton Street, Manchester, M13 9XX Authority: Environment Agency, North West Region Permit Reference: By9248 Dated: 4th February 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	833	2	384843 396427
21	**Registered Radioactive Substances** Name: Renovo Ltd Location: Manchester Incubator Building, Grafton Street, Manchester, M13 9XX Authority: Environment Agency, North West Region Permit Reference: By9264 Dated: 4th February 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	833	2	384843 396427
22	**Registered Radioactive Substances** Name: Renovo Ltd Location: Manchester Incubator Building, Grafton Street, Manchester, M13 9xx Authority: Environment Agency, North West Region Permit Reference: Bw6183 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	804	2	384914 396469
23	**Registered Radioactive Substances** Name: Central Manchester University Hospitals Nhs Foundation Trust Location: 327, Oxford Road, Manchester, M13 9PG Authority: Environment Agency, North West Region Permit Reference: CA6121 Dated: 26th October 2006 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	965	2	384720 396482
23	**Registered Radioactive Substances** Name: University Of Manchester Location: 327 Oxford Road, MANCHESTER, Lancashire, M13 9PG Authority: Environment Agency, North West Region Permit Reference: Bw5900 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	965	2	384720 396482
23	**Registered Radioactive Substances** Name: University Of Manchester Location: 327 Oxford Road, MANCHESTER, Greater Manchester, M13 9PG Authority: Environment Agency, North West Region Permit Reference: Br5949 Dated: 28th February 2002 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	965	2	384720 396482
23	**Registered Radioactive Substances** Name: University Of Manchester Location: 327 Oxford Road, MANCHESTER, Greater Manchester, M13 9PG Authority: Environment Agency, North West Region Permit Reference: Bl5954 Dated: 11th September 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Initial variation to an authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	965	2	384720 396482

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Registered Radioactive Substances** Name: University Of Manchester Location: 327 Oxford Road, MANCHESTER, Greater Manchester, M13 9PG Authority: Environment Agency, North West Region Permit Reference: AY6961 Dated: 10th July 1997 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	965	2	384720 396482
23	**Registered Radioactive Substances** Name: University Of Manchester Location: 327 Oxford Road, MANCHESTER, Greater Manchester, M13 9PG Authority: Environment Agency, North West Region Permit Reference: AU1097 Dated: 16th February 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	965	2	384720 396482
23	**Registered Radioactive Substances** Name: University Of Manchester Location: 327 Oxford Road, MANCHESTER, Greater Manchester, M13 9PG Authority: Environment Agency, North West Region Permit Reference: AO5492 Dated: 20th October 1994 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	965	2	384720 396482
23	**Registered Radioactive Substances** Name: University Of Manchester Location: Health And Safety Services, Radiological Protection, 327 Oxford Road, MANCHESTER, Lancashire, M13 9PG Authority: Environment Agency, North West Region Permit Reference: AG3983 Dated: 12th February 1993 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA dated pre April 1991 **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	965	2	384720 396482
23	**Registered Radioactive Substances** Name: University Of Manchester Location: Radiological Protection Service, 327 Oxford Road, MANCHESTER, Greater Manchester, M13 9PG Authority: Environment Agency, North West Region Permit Reference: AD0180 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	965	2	384720 396482
23	**Registered Radioactive Substances** Name: Central Manchester University Hospitals Nhs Foundation Trust Location: Radiological Protection Service, 327 Oxford Road, MANCHESTER, Greater Manchester, M13 9PL Authority: Environment Agency, North West Region Permit Reference: BA0536 Dated: 6th March 1998 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a 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 variation** Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	970	2	384706 396470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Corn Bk GQA Grade: River Quality C Reach: Qsl At Openshaw To Msc Estimated Distance (km): 5.6 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A18NW (N)	862	2	385492 396799
24	**Water Abstractions** Operator: G T Energy Uk Limited Licence Number: Nw/069/0004/005 Permit Version: 2 Location: Area Of Abstraction - Lower Carboniferous Limestone Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Heat Pump Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Devonshire Street, Manchester Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 11th June 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	865	2	385729 396778
24	**Water Abstractions** Operator: Gt Energy Limited Licence Number: Nw/069/0004/005 Permit Version: 1 Location: Area Of Abstraction - Lower Carboniferous Limestone Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Heat Pump Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 17th January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	865	2	385729 396778
	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 102 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: 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 Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SW (W)	1613	2	383900 395900
	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 102 Location: Borehole At Premises Moss Side 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: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SW (W)	1613	2	383900 395900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Scottish And Newcastle Uk Ltd Licence Number: 2569007007 Permit Version: 101 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: 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 Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SW (W)	1613	2	383900 395900
	Water Abstractions Operator: Scottish And Newcastle Uk Ltd Licence Number: 2569007007 Permit Version: 101 Location: Borehole At Premises Moss Side 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: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SW (W)	1613	2	383900 395900
	Water Abstractions Operator: Scottish Courage Brewing Ltd Licence Number: 2569007007 Permit Version: 100 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 900 Yearly Rate (m3): 227000 Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SW (W)	1613	2	383900 395900
	Water Abstractions Operator: Scottish Courage Brewing Ltd Licence Number: 2569007007 Permit Version: 100 Location: Borehole At Premises Moss Side 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: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11SW (W)	1613	2	383900 395900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A23NW (N)	1626	2	385240 397540
	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 103 Location: Borehole At Premises Moss Side 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: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11SW (W)	1648	2	383865 395909
	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 103 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: 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 Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11SW (W)	1648	2	383865 395909
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 2 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1766	2	384180 397091

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 2 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1766	2	384180 397091
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 1 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1766	2	384180 397091
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 1 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1766	2	384180 397091
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0004/003 Permit Version: 1 Location: Borehole At Manchester Metropolitan University Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NW)	1973	2	383715 396746

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0004/003 Permit Version: 1 Location: Borehole At Manchester Metropolitan University Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(NW)	1973	2	383715 396746
	Water Abstractions Operator: Dunlop Rubber Co Limited Licence Number: 2569007027 Permit Version: Not Supplied Location: Borehole, Cambridge Street, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1811 Yearly Rate (m3): 154564 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1974	2	384000 397200
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13NE (NW)	0	4	385522 395928
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (NW)	0	4	385522 395928
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (NW)	0	4	385522 395928
25	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SW (SW)	365	2	385184 395774
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences None				
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6195.1 Watercourse Level: Underground Permanent: True Watercourse Name: Corn Brook Catchment Name: Mersey Primacy: 1	A17NE (NW)	946	5	385021 396741
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 291.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gore Brook Catchment Name: Mersey Primacy: 1	A9SW (SE)	984	5	386079 395107
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 966.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Gore Brook Catchment Name: Mersey Primacy: 1	A9SW (SE)	985	5	386081 395107

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Licensed Waste Management Facilities (Locations)** Licence Number: 53906 Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Operator Name: Central Manchester University Hospitals N H S Foundation Trust Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Clinical Waste Transfer Stations **Licence Status: Surrendered** Issued: 18th April 1990 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 24th August 2012 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (W)	117	2	385400 395900
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	6	385522 395928
30	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (NW)	92	-	385428 395968
31	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SW (SW)	153	-	385381 395856
32	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (E)	188	-	385708 395985
33	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (NE)	193	-	385632 396096
34	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SW (W)	215	-	385312 395856
35	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (SE)	257	-	385651 395696
36	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (NE)	284	-	385734 396126
37	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (NE)	293	-	385758 396111
38	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (NW)	362	-	385292 396220
39	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (E)	409	-	385934 395989
40	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A12NE (NW)	442	-	385105 396104
41	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (N)	455	-	385596 396387
42	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (SE)	459	-	385945 395726
43	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (NE)	472	-	385877 396249
44	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (SE)	475	-	385942 395687

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	484	-	385512 396422
46	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	510	-	385502 396448
47	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (NW)	513	-	385242 396368
48	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NE (SE)	536	-	385855 395498
49	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (N)	550	-	385727 396448
50	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	566	-	385973 396280
51	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	587	-	385977 396309
52	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	595	-	385985 395539
53	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SE (W)	597	-	384936 395779
54	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	615	-	385983 395508
55	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	621	-	385385 396543
56	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1895	A9NW (SE)	624	-	385973 395483
57	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	656	-	385446 396589
58	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (E)	660	-	386166 395747
59	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	662	-	385293 396560
60	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	718	-	386094 396372
61	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SE (NW)	729	-	384943 396388
62	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A9NW (SE)	738	-	386069 395419
63	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	741	-	386123 396371
64	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (NE)	746	-	386195 396264
65	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SW (W)	755	-	384767 395810

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	769	-	386212 396282
67	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	810	-	386209 396367
68	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	817	-	386246 396319
69	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1895	A9NE (SE)	817	-	386228 395497
70	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	819	-	384740 395662
71	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NW (W)	821	-	384714 396122
72	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SE (S)	831	-	385655 395098
73	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7NW (SW)	838	-	384792 395504
74	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	844	-	385047 395221
75	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19NW (NE)	890	-	385998 396689
76	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	892	-	385013 395187
77	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18NE (N)	913	-	385541 396851
78	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	919	-	384601 395813
79	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SW (NW)	932	-	384663 396316
80	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17NE (NW)	944	-	385067 396766
81	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	945	-	384880 395225
82	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NE (SE)	978	-	386419 395513
83	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A9SW (SE)	990	-	386082 395102
84	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A9SW (SE)	992	-	386128 395132
85	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	994	-	386379 396443

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	**Registered Waste Treatment or Disposal Sites** Licence Holder: Central Manchester Area Health Auth Licence Reference: 00589/M01 Site Location: Manchester Royal Infirmary, Oxford Road, Manchester, Greater Manchester, M13 9wl Operator Location: Cobbett House, Manchester, Greater Manchester Authority: Environment Agency - North West Region, South Area Site Category: Storage Max Input Rate: Undefined Waste Source Restrictions: Only waste produced on site Licence Status: Operational as far as is knownOperational Dated: 1st April 1990 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 Rubbish/Bags/Sacks Domestic/Com. From Hospital Sources Hospital Clinical Wastes Medical, Surgical, Veterinary Wastes	A13NW (W)	223	2	385300 396000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	A13NE (NW)	0	1	385522 395928
	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	A13NE (NW)	0	1	385522 395928
	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)	156	1	385380 395849
	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	A13NE (NE)	206	1	385622 396119
	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 (NE)	223	1	385728 396029
	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	A14NW (E)	469	1	386000 395928
	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	A14NE (E)	788	1	386305 396068

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	847	1	386096 396561
	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	A14NE (E)	925	1	386453 396000
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385800, 395730 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 25.50 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 77.20 mg/kg Lead Measured Concentration: 327.90 mg/kg Nickel Measured Concentration: 30.50 mg/kg	A13SE (SE)	332	1	385800 395730
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385220, 395710 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 35.50 mg/kg Cadmium Measured Concentration: 1.00 mg/kg Chromium Measured Concentration: 172.40 mg/kg Lead Measured Concentration: 579.80 mg/kg Nickel Measured Concentration: 36.30 mg/kg	A13SW (SW)	367	1	385220 395710
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385730, 396260 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 22.20 mg/kg Cadmium Measured Concentration: 1.40 mg/kg Chromium Measured Concentration: 52.90 mg/kg Lead Measured Concentration: 178.90 mg/kg Nickel Measured Concentration: 24.90 mg/kg	A13NE (NE)	383	1	385730 396260

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: 385180, 396250 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 16.10 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 113.70 mg/kg Lead Measured Concentration: 124.30 mg/kg Nickel Measured Concentration: 27.40 mg/kg	A12NE (NW)	460	1	385180 396250
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 386140, 395780 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 25.50 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 63.00 mg/kg Lead Measured Concentration: 445.30 mg/kg Nickel Measured Concentration: 28.40 mg/kg	A14SW (E)	626	1	386140 395780
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385740, 395280 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 33.60 mg/kg Cadmium Measured Concentration: 1.50 mg/kg Chromium Measured Concentration: 107.60 mg/kg Lead Measured Concentration: 261.90 mg/kg Nickel Measured Concentration: 101.00 mg/kg	A8NE (S)	675	1	385740 395280
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384830, 395870 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 26.80 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 74.20 mg/kg Lead Measured Concentration: 291.00 mg/kg Nickel Measured Concentration: 30.00 mg/kg	A12SW (W)	686	1	384830 395870
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385330, 395260 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 10.30 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 40.70 mg/kg Lead Measured Concentration: 78.80 mg/kg Nickel Measured Concentration: 16.70 mg/kg	A8NW (S)	686	1	385330 395260

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: 385270, 396620 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 16.60 mg/kg Cadmium Measured Concentration: 1.20 mg/kg Chromium Measured Concentration: 70.10 mg/kg Lead Measured Concentration: 411.70 mg/kg Nickel Measured Concentration: 33.30 mg/kg	A18NW (N)	727	1	385270 396620
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 386210, 396280 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 13.90 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 54.90 mg/kg Lead Measured Concentration: 80.80 mg/kg Nickel Measured Concentration: 16.70 mg/kg	A19SE (NE)	767	1	386210 396280
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384760, 396320 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 36.70 mg/kg Cadmium Measured Concentration: 1.70 mg/kg Chromium Measured Concentration: 88.30 mg/kg Lead Measured Concentration: 690.30 mg/kg Nickel Measured Concentration: 42.60 mg/kg	A17SW (NW)	847	1	384760 396320
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 385770, 396770 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 15.10 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 80.20 mg/kg Lead Measured Concentration: 96.20 mg/kg Nickel Measured Concentration: 37.40 mg/kg	A18NE (N)	868	1	385770 396770
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384830, 395220 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 18.10 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 106.60 mg/kg Lead Measured Concentration: 165.80 mg/kg Nickel Measured Concentration: 22.70 mg/kg	A7SW (SW)	984	1	384830 395220

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	A13NE (NW)	0	1	385522 395928
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (NW)	0	7	385522 395928
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	385522 395928
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	385522 395928
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	385522 395928
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	385522 395928
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	385522 395928
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	385522 395928
	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	A13NE (NW)	0	1	385522 395928
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	385522 395928

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	**Contemporary Trade Directory Entries** Name: Carmoor Road Garage Location: 90, Carmoor Road, Manchester, M13 0FB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	0	-	385521 395938
87	**Contemporary Trade Directory Entries** Name: Automach Location: 90a, Carmoor Road, Manchester, M13 0FB Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	1	-	385528 395922
87	**Contemporary Trade Directory Entries** Name: Carmoor Road Garage Location: 90, Carmoor Road, Manchester, M13 0FB Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (N)	1	-	385522 395939
87	**Contemporary Trade Directory Entries** Name: P Rafter Location: 90, Carmoor Road, Manchester, M13 0FB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	1	-	385522 395939
87	**Contemporary Trade Directory Entries** Name: Band Box Laundry Location: 72, Hathersage Road, Manchester, M13 0FN Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (S)	30	-	385523 395889
87	**Contemporary Trade Directory Entries** Name: Spencer Cleaners (Manchester) Ltd Location: 64, Hathersage Road, Manchester, M13 0FN Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	34	-	385547 395895
88	**Contemporary Trade Directory Entries** Name: Jason Wang Ltd Location: Victoria Hall, 281, Upper Brook Street, Manchester, Lancashire, M13 0FZ Classification: Leisure & Sportswear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	66	-	385447 395931
89	**Contemporary Trade Directory Entries** Name: Tesco Petrol Station Location: Upper Brook Street, Manchester, Greater Manchester, M13 0HL Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (S)	132	-	385489 395791
90	**Contemporary Trade Directory Entries** Name: Mancunian Service Station Location: 257, Upper Brook Street, Manchester, M13 0HL Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	187	-	385371 396054
90	**Contemporary Trade Directory Entries** Name: Tesco Express Location: 257, Upper Brook Street, Manchester, M13 0HL Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	187	-	385371 396054
90	**Contemporary Trade Directory Entries** Name: Esso Location: 257, Upper Brook Street, Manchester, M13 0HL Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	227	-	385343 396083
90	**Contemporary Trade Directory Entries** Name: Esso Location: 257, Upper Brook Street, Manchester, M13 0HL Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	227	-	385343 396083

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	**Contemporary Trade Directory Entries** Name: Care Fertility Manchester Location: Victoria Park Hospital, 110-112, Daisy Bank Road, Manchester, M14 5QH Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	218	-	385709 395799
91	**Contemporary Trade Directory Entries** Name: Manchester Lifestyle Hospital Location: Victoria Park Hospital, 110-112, Daisy Bank Road, Manchester, M14 5QH Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	218	-	385709 395799
92	**Contemporary Trade Directory Entries** Name: Central Manchester Foundation Trust Location: Manchester Royal Infirmary, Oxford Road, MANCHESTER, M13 9WL Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	292	-	385228 395997
93	**Contemporary Trade Directory Entries** Name: Baby Britain Location: First Floor Flat, Plymouth Court Business Centre, 164, Plymouth Grove, Manchester, M13 0AF Classification: Children & Babywear - Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	298	-	385641 396211
93	**Contemporary Trade Directory Entries** Name: New Motor Repair Zone Ltd Location: Unit 7-8 166a Plymouth Grove, Manchester, Greater Manchester, M13 0AF Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	311	-	385660 396217
93	**Contemporary Trade Directory Entries** Name: Corporate Identity Ltd Location: 166, Plymouth Grove, Manchester, M13 0AF Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	317	-	385681 396212
93	**Contemporary Trade Directory Entries** Name: Shannon & Sons Ltd Location: 166, Plymouth Grove, Manchester, M13 0AF Classification: Children & Babywear - Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	317	-	385681 396212
94	**Contemporary Trade Directory Entries** Name: Buy A Hog Roaster Location: 160 Plymouth Grove, Manchester, Greater Manchester, M13 0AF Classification: Catering Equipment **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	351	-	385744 396210
95	**Contemporary Trade Directory Entries** Name: The Rennie Tool Co Ltd Location: 227, Upper Brook Street, Manchester, M13 0HB Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	411	-	385248 396246
96	**Contemporary Trade Directory Entries** Name: Andrology Laboratory Within Old St Marys Hospital Location: St. Marys Hospital, Hathersage Road, Manchester, M13 0JH Classification: Laboratories **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	461	-	385053 395906
97	**Contemporary Trade Directory Entries** Name: Rusholme Service Station Location: 25-33, Wilmslow Road, Manchester, M14 5TB Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	511	-	385118 395606

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	**Contemporary Trade Directory Entries** Name: Photolink Location: 55, Wilmslow Road, Manchester, M14 5TB Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	548	-	385131 395535
98	**Contemporary Trade Directory Entries** Name: Photo Zone Location: 69, Wilmslow Road, Manchester, M14 5TB Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	559	-	385139 395512
98	**Contemporary Trade Directory Entries** Name: Photozone Location: 69, Wilmslow Road, Manchester, Lancashire, M14 5TB Classification: Photo & Digital Imaging Bureaus **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	559	-	385139 395512
99	**Contemporary Trade Directory Entries** Name: Shell Location: 8, Wilmslow Road, Manchester, M14 5TP Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	554	-	385059 395615
99	**Contemporary Trade Directory Entries** Name: Mail Boxes Etc Location: 6, WILMSLOW ROAD, MANCHESTER, M14 5TP Classification: Freight Forwarders **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	554	-	385056 395619
99	**Contemporary Trade Directory Entries** Name: Mail Boxes Etc Location: 6, Wilmslow Road, Manchester, M14 5TP Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	562	-	385056 395604
99	**Contemporary Trade Directory Entries** Name: United Halal Centre Location: 6, Wilmslow Road, Manchester, M14 5TP Classification: Meat - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	562	-	385056 395604
99	**Contemporary Trade Directory Entries** Name: Scrap Car Now Today Cash Rusholme Location: Wilmslow Road, Manchester, Lancashire, m14 5tp Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12SE (SW)	563	-	385056 395604
99	**Contemporary Trade Directory Entries** Name: Manchester Flatpack Location: Suite 611,6 Wilmslow Road, Manchester, Greater Manchester, M14 5TP Classification: Boxes & Cartons **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12SE (SW)	563	-	385056 395604
100	**Contemporary Trade Directory Entries** Name: Oxford Garage Location: Unit 3, Dagenham Road Industrial Estate, Manchester, M14 5ED Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	565	-	385179 395470
100	**Contemporary Trade Directory Entries** Name: Star Snacks Location: Unit 4, Dagenham Road Industrial Estate, Manchester, M14 5ED Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	571	-	385182 395461

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	**Contemporary Trade Directory Entries** Name: Shisha House Ltd Location: Unit 7 Walmer Street East, Rusholme, Manchester, Greater Manchester, M14 5SS Classification: Catering Equipment **Status:** **Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8NW (SW)	582	-	385208 395429
101	**Contemporary Trade Directory Entries** Name: Nuffield Health Manchester Diagnostic Suite Location: Nelson Street, Manchester, Greater Manchester, M13 9NQ Classification: Hospitals **Status:** **Active** Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	575	-	385043 396265
102	**Contemporary Trade Directory Entries** Name: Euro Testing Station Location: Walmer St East, Rusholme, Manchester, Lancashire, M14 5SS Classification: Garage Services **Status:** **Inactive** Positional Accuracy: Manually positioned to the address or location	A8NW (SW)	593	-	385204 395418
102	**Contemporary Trade Directory Entries** Name: Euro Testing Station Location: 5-7, Walmer Street East, Manchester, M14 5SS Classification: Mot Testing Centres **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	598	-	385197 395416
102	**Contemporary Trade Directory Entries** Name: Mona Lisa (Manchester) Ltd Location: Unit 2, Walmer Street East, Rusholme, Manchester, M14 5SS Classification: Food Products - Manufacturers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	637	-	385198 395370
103	**Contemporary Trade Directory Entries** Name: Manchester Royal Infirmary Location: MANCHESTER ROYAL INFIRMARY, OXFORD ROAD, MANCHESTER, M13 9WL Classification: Hospitals **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	603	-	384979 396212
103	**Contemporary Trade Directory Entries** Name: Central Manchester Healthcare Trust Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Classification: Hospitals **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	603	-	384979 396212
103	**Contemporary Trade Directory Entries** Name: Manchester Royal Eye Hospital Location: Manchester Royal Infirmary,Oxford Rd, Manchester, Lancashire, M13 9WL Classification: Hospitals **Status:** **Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	603	-	384979 396212
103	**Contemporary Trade Directory Entries** Name: St Mary'S Hospital Location: Manchester Royal Infirmary,Oxford Rd, Manchester, Lancashire, M13 9WL Classification: Hospitals **Status:** **Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	603	-	384979 396212
103	**Contemporary Trade Directory Entries** Name: Manchester Royal Infirmary Location: K20, Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Classification: Hospitals **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	603	-	384979 396212
103	**Contemporary Trade Directory Entries** Name: Manchester Childrens Hospital Location: Manchester Royal Infirmary,Oxford Rd, Manchester, Lancashire, M13 9WL Classification: Hospitals **Status:** **Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	603	-	384979 396212

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	**Contemporary Trade Directory Entries** Name: Royal Manchester Childrens Hospital Location: Manchester, M13 9WL Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	641	-	384944 396228
103	**Contemporary Trade Directory Entries** Name: Central Manchester Hospital Location: The Lodge Atm, Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	641	-	384944 396228
103	**Contemporary Trade Directory Entries** Name: Manchester Royal Infirmary Location: The Lodge Atm, Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	641	-	384944 396228
103	**Contemporary Trade Directory Entries** Name: The Kellgren Centre Location: Manchester Royal Infirmary,Oxford Road, Manchester, Greater Manchester, M13 9WL Classification: Hospitals **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	641	-	384944 396228
104	**Contemporary Trade Directory Entries** Name: Rusholme Service Station Location: 10 Wilmslow Road, Manchester, Greater Manchester, M14 5TQ Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	611	-	385115 395464
105	**Contemporary Trade Directory Entries** Name: Richard Kelly Location: 20, Richmond Grove, Manchester, M13 0DP Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	641	-	386170 395957
105	**Contemporary Trade Directory Entries** Name: East To West Car Sales Location: 20, Richmond Grove, Manchester, M13 0DP Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	641	-	386170 395957
106	**Contemporary Trade Directory Entries** Name: Save Service Station Location: 490, Moss Lane East, Manchester, M14 4PA Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	665	-	384909 395655
106	**Contemporary Trade Directory Entries** Name: Whitworth Autos Location: 6 Heald Gro, Manchester, M14 4PB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	678	-	384918 395608
107	**Contemporary Trade Directory Entries** Name: Nazirs Ltd Location: 324-328, Stockport Road, Manchester, M13 0LE Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	688	-	386146 396232
108	**Contemporary Trade Directory Entries** Name: K & C Cleaning Location: 76, Wilmslow Road, Manchester, Lancashire, M14 5AL Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	699	-	385147 395329

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	**Contemporary Trade Directory Entries** Name: H & M Location: 76, Conyngham Road, Manchester, M14 5EA Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	699	-	385816 395284
110	**Contemporary Trade Directory Entries** Name: Nuffield Health Diagnostic Location: Nelson Street, Manchester, Greater Manchester, M13 9NQ Classification: Hospitals **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A12NE (NW)	704	-	384870 396219
111	**Contemporary Trade Directory Entries** Name: Eastern Gold Location: 161, Wilmslow Road, Manchester, M14 5AP Classification: Jewellery Manufacturers & Repairers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	708	-	385234 395272
112	**Contemporary Trade Directory Entries** Name: Manchester Incubator Building Ltd Location: 48, Grafton Street, Manchester, M13 9XX Classification: Laboratories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	722	-	384952 396387
112	**Contemporary Trade Directory Entries** Name: Nanoco Technologies Ltd Location: 48, Grafton Street, Manchester, M13 9XX Classification: Laboratories **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	722	-	384952 396387
112	**Contemporary Trade Directory Entries** Name: Genedrive Diagnostics Location: 48 Grafton Street, Manchester, Greater Manchester, M13 9XX Classification: Medical Equipment Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	722	-	384952 396387
113	**Contemporary Trade Directory Entries** Name: Outreach Hygiene Ltd Location: 27, Tagore Close, Manchester, M13 0YS Classification: Cleaning Materials & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	741	-	386163 395538
114	**Contemporary Trade Directory Entries** Name: W & S Mcewen Location: Stockport Rd, Manchester, M13 0LF Classification: Engineers - General **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	747	-	386238 396164
114	**Contemporary Trade Directory Entries** Name: Car Campus Location: Stockport Rd, Manchester, Lancashire, M13 0LF Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	766	-	386266 396139
115	**Contemporary Trade Directory Entries** Name: Graviss Uk Pvt Ltd Location: 191, WILMSLOW ROAD, MANCHESTER, M14 5AQ Classification: Ice Cream Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	756	-	385287 395200
115	**Contemporary Trade Directory Entries** Name: Amee Location: 195-197, Wilmslow Road, Manchester, M14 5AQ Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	760	-	385298 395192
116	**Contemporary Trade Directory Entries** Name: K Azmeh Textiles Ltd Location: RICHMOND HOUSE, 9-11, RICHMOND GROVE, MANCHESTER, M13 0LN Classification: Knitting Yarn Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	759	-	386286 395996

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	**Contemporary Trade Directory Entries** Name: Dimensions Knitwear Ltd Location: 13-15, Richmond Grove, Manchester, M13 0LN Classification: Knitwear Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	763	-	386293 395960
117	**Contemporary Trade Directory Entries** Name: M S Launderette Location: 40, Laindon Road, Manchester, M14 5DP Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	763	-	386126 395446
118	**Contemporary Trade Directory Entries** Name: Campus Print Ltd Location: Linac Building,Wilton St, Manchester, M13 9LN Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18NW (N)	792	-	385380 396717
119	**Contemporary Trade Directory Entries** Name: Alloys Direct Ltd Location: Unit 3, Daisy Mill Yard, 345, Stockport Road, Manchester, M13 0LF Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	797	-	386283 396187
119	**Contemporary Trade Directory Entries** Name: Premier Code Ltd Location: Unit 5, Daisy Mill Yard, 345, Stockport Road, Manchester, M13 0LF Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	797	-	386283 396187
119	**Contemporary Trade Directory Entries** Name: R & Q Ltd Location: 345, Stockport Road, MANCHESTER, M13 0LF Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	797	-	386283 396187
119	**Contemporary Trade Directory Entries** Name: David Conrad International Ltd Location: Daisy Works, 345, Stockport Road, Manchester, Lancashire, M13 0LF Classification: Leather Merchants & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	797	-	386283 396187
120	**Contemporary Trade Directory Entries** Name: Zain Cargo & Travel Location: 145, Dickenson Road, Manchester, Lancashire, M14 5HZ Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	802	-	385958 395246
120	**Contemporary Trade Directory Entries** Name: Roniloid Co Ltd Location: 145a, Dickenson Road, Manchester, M14 5HZ Classification: Refrigerators & Freezers - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	806	-	385976 395252
121	**Contemporary Trade Directory Entries** Name: Thuf Plc Location: Hathersage Road, Manchester, M13 0EH Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	821	-	385576 396757
122	**Contemporary Trade Directory Entries** Name: Epistem Ltd Location: 48, Grafton Street, Manchester, M13 9XX Classification: Laboratories **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	833	-	384843 396428
123	**Contemporary Trade Directory Entries** Name: El Rached Import & Export Ltd Location: 8, Rusholme Grove West, Manchester, M14 5BT Classification: Coal & Smokeless Fuel Merchants & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	837	-	385353 395099

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	**Contemporary Trade Directory Entries** Name: Rusholme Pharmacy Location: 239, Wilmslow Road, Manchester, M14 5LW Classification: Chemists' & Pharmacists' Suppliers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	857	-	385335 395082
123	**Contemporary Trade Directory Entries** Name: Baloche M O T Centre Location: Manchester, Greater Manchester, M14 5lw Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	862	-	385338 395077
124	**Contemporary Trade Directory Entries** Name: Gorton Bros Ltd Location: 72-76, Laindon Road, Manchester, M14 5DG Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	839	-	386124 395331
124	**Contemporary Trade Directory Entries** Name: Appliance Repairs & Spares Location: 183, Dickenson Road, Manchester, M13 0YN Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	855	-	386113 395298
125	**Contemporary Trade Directory Entries** Name: Globe Motors Location: Unit 3, Devonshire Street Industrial Estate, Manchester, M12 6AG Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	846	-	385679 396769
126	**Contemporary Trade Directory Entries** Name: Manchester Autoz Ltd Location: Manchester, M13 0LF Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	856	-	386354 396158
126	**Contemporary Trade Directory Entries** Name: Brantingham Motor Center Location: 351, Stockport Road, Manchester, M13 0LF Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	856	-	386354 396158
126	**Contemporary Trade Directory Entries** Name: Brantingham Auto Centre Ltd Location: 351, Stockport Road, Manchester, M13 0LF Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	856	-	386354 396158
126	**Contemporary Trade Directory Entries** Name: Jac Motors Ltd Location: 351, Stockport Road, Manchester, M13 0LF Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	856	-	386354 396158
126	**Contemporary Trade Directory Entries** Name: Limitless Customs Ltd Location: 351, Stockport Road, Manchester, M13 0LF Classification: Car Customisation & Conversion Specialists **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	856	-	386354 396158
126	**Contemporary Trade Directory Entries** Name: S A Autos Location: 351, Stockport Road, Manchester, Lancashire, M13 0LF Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	856	-	386354 396158
126	**Contemporary Trade Directory Entries** Name: Manchester Auto Mall Location: 351, Stockport Road, Manchester, Lancashire, M13 0LF Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	856	-	386354 396158

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	**Contemporary Trade Directory Entries** Name: Kar & Car Location: Manchester, M13 0LF Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	856	-	386354 396158
126	**Contemporary Trade Directory Entries** Name: Sinclair Autos Location: 116a, South Street, Longsight, Manchester, M12 4DT Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	866	-	386351 396200
127	**Contemporary Trade Directory Entries** Name: Rubbish Removals Location: 52, Viscount Street, Manchester, M14 5UH Classification: Rubbish Clearance **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	857	-	385038 395212
128	**Contemporary Trade Directory Entries** Name: Bicycle Doctor Location: 68-70, Dickenson Road, Manchester, M14 5HF Classification: Cycle Accessories, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	857	-	385499 395062
129	**Contemporary Trade Directory Entries** Name: B Barsetti & Son Ltd Location: A, 42, Clarence Road, Manchester, M13 0YE Classification: Plaster Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	874	-	386377 395705
129	**Contemporary Trade Directory Entries** Name: M K Motors Location: 58 Clarence Road, Manchester, Greater Manchester, M13 0YE Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	877	-	386368 395664
130	**Contemporary Trade Directory Entries** Name: Diamond Plus Cleaning Location: 309, Great Western Street, Manchester, M14 4BZ Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	878	-	384731 395533
130	**Contemporary Trade Directory Entries** Name: Domestic Care Location: 352, Great Western Street, Manchester, M14 4BY Classification: Washing Machines - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	894	-	384728 395503
130	**Contemporary Trade Directory Entries** Name: Domestic Care Appliance Ltd Location: 352, Great Western Street, Manchester, M14 4BY Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	894	-	384728 395503
131	**Contemporary Trade Directory Entries** Name: Road Runners Removals Location: Kreativ House,2 Acker St, Rochdale, Lancashire, OL16 1HZ Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	885	-	384773 396418
132	**Contemporary Trade Directory Entries** Name: Longside Mot Centre Location: Clarence Rd, Manchester, Lancashire, M13 0YF Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	895	-	386420 395819
132	**Contemporary Trade Directory Entries** Name: Wing On Foods Ltd Location: 14, Birch Lane, Manchester, M13 0NN Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	916	-	386437 395796

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	**Contemporary Trade Directory Entries** Name: Wok Master Location: 14, Birch Lane, Manchester, Lancashire, M13 0NN Classification: Food Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	916	-	386437 395796
133	**Contemporary Trade Directory Entries** Name: Northern 14 Dust Fairies & Handyman Services Location: 133, Heald Place, Manchester, M14 4AT Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	899	-	384908 395262
134	**Contemporary Trade Directory Entries** Name: Taxi Maintenance Mot Center Location: Clarence Rd, Manchester, Lancashire, M13 0YF Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	911	-	386397 395642
134	**Contemporary Trade Directory Entries** Name: Beds Direct Location: 75, Clarence Road, Manchester, M13 0YF Classification: Bed & Mattress Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	924	-	386414 395653
135	**Contemporary Trade Directory Entries** Name: Khc Cleaning Contractors Location: Unit 5, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	912	-	385644 396842
135	**Contemporary Trade Directory Entries** Name: Ship 4 U Location: Unit 8, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	919	-	385614 396852
136	**Contemporary Trade Directory Entries** Name: Fireco Location: Unit 118, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, Lancashire, M12 4AH Classification: Firefighting Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	914	-	385671 396840
136	**Contemporary Trade Directory Entries** Name: Pearl Chemist Sundries Location: Unit 117, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Chemists' & Pharmacists' Suppliers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	917	-	385666 396843
136	**Contemporary Trade Directory Entries** Name: A B D Transport Services Ltd Location: Unit 40, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	922	-	385711 396841
137	**Contemporary Trade Directory Entries** Name: Charles Wilson Auto Engineers Location: 160-164, Wilmslow Road, Manchester, M14 5LQ Classification: Car Breakdown & Recovery Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	915	-	385301 395031
137	**Contemporary Trade Directory Entries** Name: Strand Location: 172, Wilmslow Road, Manchester, M14 5LQ Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	936	-	385330 395003

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	**Contemporary Trade Directory Entries** Name: Selco Builders Warehouse Location: STOCKPORT ROAD, MANCHESTER, M12 6AJ Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	929	-	385487 396867
139	**Contemporary Trade Directory Entries** Name: Coolaquest Ltd Location: Unit 48, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Water Coolers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	941	-	385710 396860
139	**Contemporary Trade Directory Entries** Name: C D E S Office Equipment Location: Cariocca Business Pk,Hellidon Cl, Ardwick, Manchester, M12 4AH Classification: Office Equipment Servicing & Maintenance **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	942	-	385660 396870
139	**Contemporary Trade Directory Entries** Name: Direct Slatwall Location: Unit 75, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Shop Fittings Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	946	-	385667 396873
139	**Contemporary Trade Directory Entries** Name: Sfoyz'S Location: Unit 74, Cariocca Business Park, Hellidon Close, Ardwick, MANCHESTER, M12 4AH Classification: Soft Furnishings - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	946	-	385667 396873
139	**Contemporary Trade Directory Entries** Name: Mere Services Location: Unit 50-51, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, Lancashire, M12 4AH Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	947	-	385712 396866
139	**Contemporary Trade Directory Entries** Name: Go Window Blinds Location: Unit 35, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	951	-	385720 396869
139	**Contemporary Trade Directory Entries** Name: Kwik Print Location: Unit 35, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	951	-	385720 396869
139	**Contemporary Trade Directory Entries** Name: Alert 2 Media Location: Hellidon Cl, Ardwick, Manchester, Lancashire, M12 4AH Classification: Digital Printing **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	952	-	385669 396879
139	**Contemporary Trade Directory Entries** Name: Euphonic Location: Unit 80, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	953	-	385665 396880

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	**Contemporary Trade Directory Entries** Name: Utilities International Location: Unit 82, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Electricity Companies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	957	-	385666 396885
139	**Contemporary Trade Directory Entries** Name: Pestaxe Location: Unit 53, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	957	-	385713 396876
139	**Contemporary Trade Directory Entries** Name: Net Computers Location: Unit 70, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Computer Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	960	-	385673 396886
139	**Contemporary Trade Directory Entries** Name: Printsign Location: Unit 33, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	963	-	385720 396881
139	**Contemporary Trade Directory Entries** Name: Manchester Print Communications Location: Unit 33 Cariocca Business Park,Hellidon Close, Ardwick, Manchester, Greater Manchester, M12 4AH Classification: Printers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	963	-	385720 396881
139	**Contemporary Trade Directory Entries** Name: O G P Digital Printing Location: Unit 52, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	964	-	385723 396881
139	**Contemporary Trade Directory Entries** Name: Johnston Hewitt Location: Unit 58-61,Cariocca Business Pk,Hellidon Cl, Ardwick, Manchester, Lancashire, M12 4AH Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	966	-	385708 396886
139	**Contemporary Trade Directory Entries** Name: Chambers Electrical Location: Unit 64, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Washing Machines - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	968	-	385695 396891
139	**Contemporary Trade Directory Entries** Name: Pro Designs Location: Unit 65,Cariocca Business Pk,Hellidon Cl, Ardwick, Manchester, Lancashire, M12 4AH Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	968	-	385692 396891
139	**Contemporary Trade Directory Entries** Name: Exclusive Mobiles Location: Unit 63, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Mobile Phone Accessories and Car Kits **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	968	-	385698 396890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
139	**Contemporary Trade Directory Entries** Name: Peak Mobility & Handling Location: Unit 68, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, Lancashire, M12 4AH Classification: Mechanical Handling Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	970	-	385683 396895
139	**Contemporary Trade Directory Entries** Name: Mecer Location: Unit 58,Cariocca Business Pk,Hellidon Cl, Ardwick, Manchester, Lancashire, M12 4AH Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	970	-	385708 396890
139	**Contemporary Trade Directory Entries** Name: P T I Body Massagers Location: Unit 85, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Chemists' & Pharmacists' Suppliers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	973	-	385667 396900
139	**Contemporary Trade Directory Entries** Name: Adrenalin Brands Location: Unit 30, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, Lancashire, M12 4AH Classification: Sports Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	973	-	385695 396896
139	**Contemporary Trade Directory Entries** Name: Helidon Services Location: Unit 86, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Cleaning Materials & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	974	-	385659 396903
139	**Contemporary Trade Directory Entries** Name: Luxclean Location: Unit 89,Cariocca Enterprises ,2 Hellidon Close, Ardwick, Manchester, Lancashire, M12 4AH Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	975	-	385656 396904
139	**Contemporary Trade Directory Entries** Name: Macs Location: Unit 27, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Automation Systems & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	977	-	385679 396903
139	**Contemporary Trade Directory Entries** Name: Dam Express Location: Unit 27, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Bus & Coach Operators & Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	977	-	385679 396903
139	**Contemporary Trade Directory Entries** Name: Mcl Photo Lab Location: Unit 27, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	977	-	385679 396903
140	**Contemporary Trade Directory Entries** Name: Ers Location: Cariocca Business Pk,Hellidon Cl, Ardwick, Manchester, Lancashire, M12 4AH Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	944	-	385638 396875

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	**Contemporary Trade Directory Entries** Name: Deeny Manufacturing Location: Unit 102, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	954	-	385624 396886
140	**Contemporary Trade Directory Entries** Name: T Moe Location: Unit 101, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	959	-	385626 396892
140	**Contemporary Trade Directory Entries** Name: Jaymac Mechanical Engineers Location: Unit 101, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Mechanical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	959	-	385626 396892
140	**Contemporary Trade Directory Entries** Name: Stick Up Media Location: Unit 16, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	973	-	385624 396906
140	**Contemporary Trade Directory Entries** Name: James Ashcroft Ltd Location: Unit 16, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Shirt Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	973	-	385624 396906
140	**Contemporary Trade Directory Entries** Name: Enviro-Mental Location: Unit 94, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Recycling Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	976	-	385642 396907
140	**Contemporary Trade Directory Entries** Name: Quality Clean Location: Unit 93,Cariocca Business Pk,Hellidon Cl, Ardwick, Manchester, Lancashire, M12 4AH Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	976	-	385644 396906
140	**Contemporary Trade Directory Entries** Name: Booze Manchester Location: Unit 96, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	978	-	385637 396909
140	**Contemporary Trade Directory Entries** Name: Browns Electrical Installations Location: Unit 19, Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	983	-	385634 396914
141	**Contemporary Trade Directory Entries** Name: Longsight M O T Centre Ltd Location: 61, Clarence Road, Manchester, M13 0YF Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	957	-	386451 395662

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	**Contemporary Trade Directory Entries** Name: Car Care Centre Location: 46-48, Birch Lane, Manchester, M13 0NN Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	990	-	386478 395633
141	**Contemporary Trade Directory Entries** Name: Car Care Centre Location: 46-48, Birch Lane, Manchester, M13 0NN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	990	-	386478 395633
142	**Contemporary Trade Directory Entries** Name: U Print Location: Manchester Students Union Oxford Road, Manchester, Greater Manchester, M13 9PR Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	969	-	384681 396429
142	**Contemporary Trade Directory Entries** Name: U-Print Location: Steve Biko Building, Oxford Road, Manchester, M13 9PR Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	974	-	384676 396430
143	**Contemporary Trade Directory Entries** Name: Euro Testing Station Location: A, 80, Greville Street, Manchester, M13 0YG Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	985	-	386421 395502
143	**Contemporary Trade Directory Entries** Name: Euro Testing Station Location: 78-80, Greville Street, Manchester, Lancashire, M13 0YG Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	985	-	386421 395502
144	**Fuel Station Entries** Name: Rusholme Express Location: 257, Upper Brook Street , Rusholme , Manchester, Greater Manchester, M13 0HL Brand: Esso Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	230	-	385343 396087
145	**Fuel Station Entries** Name: Rusholme Service Station Location: 25-33, Wilmslow Road , Rusholme , Manchester, Greater Manchester, M14 5TB Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A12SE (SW)	509	-	385119 395608
146	**Fuel Station Entries** Name: Mfg Rusholme Location: 10, Wilmslow Road , Rusholme , Manchester, Greater Manchester, M14 5TQ Brand: Shell Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	576	-	385069 395564
147	**Fuel Station Entries** Name: Save Whitworth Park Location: 490, Moss Lane East Heald Grove & Heald Place, Rusholme , Manchester, Greater Manchester, M14 4PA Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	644	-	384957 395608

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	**Fuel Station Entries** Name: Save Don Location: 205, Wilmslow Road , Handforth , Wilmslow, Cheshire East, SK9 3JX Brand: Obsolete Premises Type: Not Applicable **Status:** **Obsolete** Positional Accuracy: Automatically positioned to the address	A8SW (S)	777	-	385307 395172
149	**Fuel Station Entries** Name: Mercury Filling Station Location: 353, Stockport Road , Longsight , Manchester, Greater Manchester, M13 0LF Brand: Unbranded Premises Type: Not Applicable **Status:** **Obsolete** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	830	-	386342 396097
150	**Fuel Station Entries** Name: Cordingley Service Station Location: 353, Moss Lane East , , Manchester, Greater Manchester, M14 4PY Brand: OBSOLETE Premises Type: Not Applicable **Status:** **Obsolete** Positional Accuracy: Approximate location provided by supplier	A12SW (W)	925	-	384612 395722
151	**Fuel Station Entries** Name: Wilmslow Service Station Location: 261-263, Wilmslow Road , Rusholme , Manchester, Greater Manchester, M14 5LN Brand: Obsolete Premises Type: Not Applicable **Status:** **Obsolete** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	967	-	385392 394960
152	**Points of Interest - Commercial Services** Name: Carmoor Road Garage Location: 90 Carmoor Road, Manchester, M13 0FB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (N)	0	8	385521 395938
152	**Points of Interest - Commercial Services** Name: Carmoor Road Garage Location: 90 Carmoor Road, Manchester, M13 0FB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (N)	0	8	385521 395938
152	**Points of Interest - Commercial Services** Name: Pat Rafter Location: 90 Carmoor Road, Manchester, M13 0FB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (N)	1	8	385522 395939
152	**Points of Interest - Commercial Services** Name: P Rafter Location: 90 Carmoor Road, Manchester, M13 0FB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (N)	1	8	385522 395939
153	**Points of Interest - Commercial Services** Name: Motor Repair Zone Location: 166 Plymouth Grove, Manchester, M13 0AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	317	8	385681 396212
154	**Points of Interest - Commercial Services** Name: Mail Boxes Etc Location: 6 Wilmslow Road, Manchester, M14 5TP Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SE (SW)	563	8	385056 395604
154	**Points of Interest - Commercial Services** Name: Car Wash Location: 10 Wilmslow Road, Rusholme, Manchester, Lancashire, M14 5TQ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NE (SW)	576	8	385069 395564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
154	**Points of Interest - Commercial Services** Name: Shell Rusholme Location: 10 Wilmslow Road, Rusholme, Manchester, M14 5TQ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NE (SW)	595	8	385059 395545
155	**Points of Interest - Commercial Services** Name: Euro Testing Station Location: Unit 4a, Walmer Street East, Rusholme, Manchester, M14 5SS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	617	8	385218 395382
156	**Points of Interest - Commercial Services** Name: Richard Kelly Location: 20 Richmond Grove, Manchester, M13 0DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	641	8	386170 395957
157	**Points of Interest - Commercial Services** Name: Auto-Chip Windscreen Location: 111 Devonshire Street South, Manchester, M13 9HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	726	8	385640 396655
158	**Points of Interest - Commercial Services** Name: Zain Cargo & Travel Location: 145 Dickenson Road, Manchester, M14 5HZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9SW (SE)	802	8	385958 395246
158	**Points of Interest - Commercial Services** Name: Zain Cargo & Travel Location: 145 Dickenson Road, Manchester, M14 5HZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9SW (SE)	802	8	385958 395246
159	**Points of Interest - Commercial Services** Name: Globe Motors Location: Unit 3, Devonshire Street Industrial Estate, Manchester, M12 6AG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	846	8	385679 396769
159	**Points of Interest - Commercial Services** Name: Globe Motors Location: Unit 3 Devonshire Industrial Estate, Stockport Road, Manchester, M12 6AG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	846	8	385680 396769
160	**Points of Interest - Commercial Services** Name: Sinclair Autos Location: 116a South Street, Longsight, Manchester, M12 4DT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	850	8	386337 396193
160	**Points of Interest - Commercial Services** Name: Sinclair Autos Location: 116a South Street, Longsight, Manchester, M12 4DT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	850	8	386337 396193
160	**Points of Interest - Commercial Services** Name: Brantingham Motor Center Location: 351 Stockport Road, Manchester, M13 0LF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	856	8	386354 396158
160	**Points of Interest - Commercial Services** Name: Limitless Customs Ltd Location: 351 Stockport Road, Manchester, M13 0LF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	856	8	386354 396158

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
160	**Points of Interest - Commercial Services** Name: Central Car Wash Location: 351 Stockport Road, Manchester, M13 0LF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NE (E)	856	8	386354 396158
160	**Points of Interest - Commercial Services** Name: S A Autos Location: 351 Stockport Road, Manchester, M13 0LF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	856	8	386354 396158
160	**Points of Interest - Commercial Services** Name: Central Auto Clean Location: 351 Stockport Road, Manchester, M13 0LF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NE (E)	856	8	386354 396158
160	**Points of Interest - Commercial Services** Name: S A Autos Location: 351 Stockport Road, Manchester, M13 0LF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	856	8	386354 396158
160	**Points of Interest - Commercial Services** Name: Brantingham Auto Centre Ltd Location: 351 Stockport Road, Manchester, M13 0LF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	856	8	386354 396158
160	**Points of Interest - Commercial Services** Name: Kar & Car Location: 351 Stockport Road, Manchester, M13 0LF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	856	8	386354 396158
161	**Points of Interest - Commercial Services** Name: Baloche M O T Centre Location: 1 Dickinson Road, Manchester, M14 5LW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	858	8	385358 395076
161	**Points of Interest - Commercial Services** Name: Charles Wilson Location: 160-164 Wilmslow Road, Manchester, M14 5LQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	879	8	385302 395068
161	**Points of Interest - Commercial Services** Name: Chas Wilson Location: 160-164 Wilmslow Road, Manchester, M14 5LQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	879	8	385302 395068
162	**Points of Interest - Commercial Services** Name: M K Motors Location: 58 Clarence Road, Manchester, M13 0YE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	877	8	386368 395664
163	**Points of Interest - Commercial Services** Name: Ship 4 U Location: Unit 8 Cariocca Enterprises 2, Hellidon Close, Manchester, M12 4AH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	919	8	385614 396852
163	**Points of Interest - Commercial Services** Name: S & S Location: Unit 102 Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	953	8	385624 396886

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
163	**Points of Interest - Commercial Services** Name: S & S Power Transmission Location: Unit 102 Cariocca Enterprises 2, Hellidon Close, Manchester, M12 4AH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	954	8	385626 396886
163	**Points of Interest - Commercial Services** Name: T Moe Location: Unit 101 Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	959	8	385626 396892
163	**Points of Interest - Commercial Services** Name: Pak UK Cargo Location: Unit 27 Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	977	8	385679 396903
163	**Points of Interest - Commercial Services** Name: Booze Manchester Location: Unit 96 Cariocca Enterprises 2, Hellidon Close, Manchester, M12 4AH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	977	8	385636 396908
163	**Points of Interest - Commercial Services** Name: T Moe Location: Unit 19 Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NE (N)	983	8	385634 396914
164	**Points of Interest - Commercial Services** Name: Longsight M O T Centre Ltd Location: 61 Clarence Road, Manchester, M13 0YF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	957	8	386451 395662
164	**Points of Interest - Commercial Services** Name: Car Care Centre Location: Vehicle Repair Workshop Rear of 48, Birch Lane, Manchester, M13 0NN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	969	8	386454 395631
164	**Points of Interest - Commercial Services** Name: Car Care Centre Location: 46-48 Birch Lane, Manchester, M13 0NN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	990	8	386478 395633
165	**Points of Interest - Commercial Services** Name: Enviro-Mental Waste Recycling Location: Unit 52 Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A18NE (N)	964	8	385723 396881
166	**Points of Interest - Commercial Services** Name: Super Quick Shine (Manchester) Ltd Location: 263 Wilmslow Road, Manchester, M14 5LN Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8SW (S)	968	8	385392 394960
167	**Points of Interest - Commercial Services** Name: Euro Testing Station Location: A 80 Greville Street, Manchester, M13 0YG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	985	8	386421 395502

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	**Points of Interest - Commercial Services** Name: Longsight Garages Location: 78-80 Greville Street, Manchester, M13 0YG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	985	8	386421 395502
167	**Points of Interest - Commercial Services** Name: Euro Testing Station Location: A 80 Greville Street, Manchester, M13 0YG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	985	8	386421 395502
167	**Points of Interest - Commercial Services** Name: Euro Testing Station Location: Longsight Garage, 78-80, Greville Street, Manchester, M13 0YG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	990	8	386428 395505
168	**Points of Interest - Education and Health** Name: CARE Fertility Manchester Location: Care Fertility Group Limited 108-112, Daisy Bank Road, Manchester, M14 5QH Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SE (SE)	218	8	385708 395798
168	**Points of Interest - Education and Health** Name: Manchester Lifestyle Hospital Location: Victoria Park Hospital 110-112, Daisy Bank Road, Manchester, M14 5QH Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SE (SE)	218	8	385709 395799
168	**Points of Interest - Education and Health** Name: BMI - the Manchester Lifestyle Hospital Location: Manchester Lifestyle Hospital 108-112, Daisy Bank Road, Manchester, M14 5QH Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SE (SE)	218	8	385709 395799
169	**Points of Interest - Education and Health** Name: Edale House Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13SW (W)	235	8	385282 395889
170	**Points of Interest - Education and Health** Name: Paediatric Emergency Department - Royal Manchester Children's Hospital Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A13NW (NW)	283	8	385260 396060
171	**Points of Interest - Education and Health** Name: St Mary's Hospital Location: St. Marys Hospital, Hathersage Road, Manchester, M13 0JH Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A13NW (NW)	341	8	385208 396085
171	**Points of Interest - Education and Health** Name: Manchester Royal Eye Hospital Location: Manchester Royal Eye Hospital, Nelson Street, Manchester, M13 9WH Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	374	8	385178 396099
171	**Points of Interest - Education and Health** Name: Royal Manchester Children's Hospital Location: Royal Manchester Children's Hospital, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	374	8	385178 396099

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	**Points of Interest - Education and Health** Name: St Mary's Hospital Location: Oxford Road, (Access From Hathersage Road), Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	374	8	385178 396099
171	**Points of Interest - Education and Health** Name: Manchester Royal Eye Hospital Location: Manchester Royal Eye Hospital, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	374	8	385178 396099
172	**Points of Interest - Education and Health** Name: Royal Manchester Children's Hospital Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (W)	375	8	385147 396013
173	**Points of Interest - Education and Health** Name: York House Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (W)	503	8	385010 395956
174	**Points of Interest - Education and Health** Name: Manchester Royal Infirmary Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	536	8	385081 396250
174	**Points of Interest - Education and Health** Name: Manchester Royal Infirmary Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A17SE (NW)	555	8	385103 396306
175	**Points of Interest - Education and Health** Name: Royal Manchester Children's Hospital Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	603	8	384979 396212
175	**Points of Interest - Education and Health** Name: Manchester Royal Infirmary Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A12NE (NW)	603	8	384979 396212
175	**Points of Interest - Education and Health** Name: Manchester Royal Infirmary Location: Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12NE (NW)	603	8	384979 396212
176	**Points of Interest - Manufacturing and Production** Name: Tank Location: M13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	224	8	385312 396032
176	**Points of Interest - Manufacturing and Production** Name: Tank Location: M13 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	233	8	385309 396045
177	**Points of Interest - Manufacturing and Production** Name: Works Location: M13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	291	8	385637 396205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	**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	A13NE (NE)	292	8	385637 396206
178	**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 (NW)	406	8	385281 396265
178	**Points of Interest - Manufacturing and Production** Name: Works Location: M13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	408	8	385276 396264
179	**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	A12SE (W)	413	8	385131 395776
180	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: M14 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	545	8	385191 395486
180	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: M14 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	554	8	385178 395485
181	**Points of Interest - Manufacturing and Production** Name: Peoples Republic of China Location: M14 Category: Extractive Industries Class Code: Sand, Gravel and Clay Extraction and Merchants Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	611	8	385513 395308
182	**Points of Interest - Manufacturing and Production** Name: Works Location: M14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	626	8	385191 395387
182	**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)	628	8	385193 395384
182	**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)	656	8	385201 395347
182	**Points of Interest - Manufacturing and Production** Name: Works Location: M14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	658	8	385197 395347
183	**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	A12SE (SW)	639	8	384953 395625

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	**Points of Interest - Manufacturing and Production** Name: Factory Location: M14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	645	8	384947 395624
184	**Points of Interest - Manufacturing and Production** Name: Daisy Works Location: M13 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	784	8	386264 396201
184	**Points of Interest - Manufacturing and Production** Name: Daisy Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	794	8	386274 396202
185	**Points of Interest - Manufacturing and Production** Name: Tank Location: M12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	905	8	385571 396842
186	**Points of Interest - Manufacturing and Production** Name: Cariocca Enterprises Ltd Location: Unit 2 Cariocca Business Park, Hellidon Close, Ardwick, Manchester, M12 4AH Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A18NE (N)	909	8	385667 396835
186	**Points of Interest - Manufacturing and Production** Name: Cariocca Enterprises Location: Unit 55 Cariocca Enterprises 2, Hellidon Close, Manchester, M12 4AH Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A18NE (N)	909	8	385666 396836
186	**Points of Interest - Manufacturing and Production** Name: Cariocca Business Park Location: M12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	940	8	385681 396865
186	**Points of Interest - Manufacturing and Production** Name: Cariocca Business Park Location: M12 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	944	8	385687 396868
187	**Points of Interest - Manufacturing and Production** Name: Factory Location: M14 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A7NW (SW)	985	8	384699 395377
187	**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	A7NW (SW)	990	8	384697 395371
188	**Points of Interest - Public Infrastructure** Name: Tesco Petrol Station Location: Upper Brook Street, Manchester, M13 0HL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (S)	132	8	385489 395791
189	**Points of Interest - Public Infrastructure** Name: Tesco Express Location: 257 Upper Brook Street, Manchester, M13 0HL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (NW)	187	8	385371 396054

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	**Points of Interest - Public Infrastructure** Name: Esso Location: 257 Upper Brook Street, Manchester, M13 0HL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (NW)	227	8	385342 396082
189	**Points of Interest - Public Infrastructure** Name: Esso Location: 257 Upper Brook Street, Manchester, M13 0HL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (NW)	228	8	385343 396085
189	**Points of Interest - Public Infrastructure** Name: Esso Location: 257 Upper Brook Street, Manchester, M13 0HL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (NW)	229	8	385343 396086
189	**Points of Interest - Public Infrastructure** Name: Rusholme Express Location: 257 Upper Brook Street, Manchester, Lancashire, M13 0HL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (NW)	229	8	385342 396084
189	**Points of Interest - Public Infrastructure** Name: Rusholme Express Location: 257 Upper Brook Street, Manchester, M13 0HL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (NW)	230	8	385343 396087
190	**Points of Interest - Public Infrastructure** Name: Tcs Rusholme Location: Wilmslow Road, Rusholme, Greater Manchester, M14 5TQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	574	8	385070 395566
190	**Points of Interest - Public Infrastructure** Name: Shell Rusholme Service Station Location: 10 Wilmslow Road, Rusholme, Manchester, M14 5TQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	576	8	385069 395564
190	**Points of Interest - Public Infrastructure** Name: Shell Location: 10 Wilmslow Road, Manchester, M14 5TQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	576	8	385069 395564
190	**Points of Interest - Public Infrastructure** Name: Shell Rusholme Location: 10 Wilmslow Road, Rusholme, Manchester, M14 5TQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	576	8	385069 395564
191	**Points of Interest - Public Infrastructure** Name: Longsight Police Station Location: Longsight Police Station 2, Grindlow Street, Manchester, M13 0LL Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A14NE (E)	730	8	386250 396049
191	**Points of Interest - Public Infrastructure** Name: Greater Manchester Police Location: Longsight Police Station 2, Grindlow Street, Manchester, M13 0LL Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A14NE (E)	743	8	386262 396056
191	**Points of Interest - Public Infrastructure** Name: Greater Manchester Police Location: Longsight Police Station 2, Grindlow Street, Manchester, M13 0LL Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A14NE (E)	743	8	386262 396056

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	**Points of Interest - Public Infrastructure** Name: Mercury Filling Station Location: 351 Stockport Road, Manchester, M13 0LF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	830	8	386342 396097
192	**Points of Interest - Public Infrastructure** Name: Graveyard Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	779	8	385062 396568
192	**Points of Interest - Public Infrastructure** Name: Graveyard Location: M13 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	783	8	385055 396567
193	**Points of Interest - Public Infrastructure** Name: Rubbish Removals Location: 52 Viscount Street, Manchester, M14 5UH Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A7SE (SW)	857	8	385038 395212
194	**Points of Interest - Recreational and Environmental** Name: Playground Location: Swinton Grove, M13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13NW (N)	302	8	385418 396222
194	**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	A13NW (N)	304	8	385419 396224
195	**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	A18SW (N)	373	8	385458 396306
195	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Swinton Grove, M13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	374	8	385451 396305
196	**Points of Interest - Recreational and Environmental** Name: Playground Location: Markfield Avenue, M13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SE (N)	502	8	385709 396404
197	**Points of Interest - Recreational and Environmental** Name: Playground Location: Markfield Avenue, M13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19SW (NE)	551	8	385914 396325
198	**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)	610	8	385528 396548
199	**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	A14NW (E)	660	8	386158 396129

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
199	**Points of Interest - Recreational and Environmental** Name: Playground Location: Plymouth Avenue, M13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	660	8	386158 396129
199	**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)	689	8	386187 396133
199	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Plymouth Avenue, M13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	689	8	386187 396133
199	**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)	721	8	386229 396103
200	**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)	678	8	385772 396568
201	**Points of Interest - Recreational and Environmental** Name: Adventure Playground Location: Lauderdale Crescent, M13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18NW (N)	713	8	385294 396614
201	**Points of Interest - Recreational and Environmental** Name: Adventure Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	720	8	385302 396624
202	**Points of Interest - Recreational and Environmental** Name: Play Area Location: M15 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	799	8	384715 395894
202	**Points of Interest - Recreational and Environmental** Name: Playground Location: Denmark Road, M15 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A12NW (W)	802	8	384711 395956
202	**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	A12NW (W)	803	8	384710 395957
203	**Points of Interest - Recreational and Environmental** Name: Playground Location: South Street, M12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	841	8	386257 396348
203	**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	A19SE (NE)	842	8	386259 396346

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
204	**Points of Interest - Recreational and Environmental** Name: Playground Location: Birch Polygon, M14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9SW (SE)	965	8	385969 395063
204	**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)	967	8	385971 395062
205	**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	A17NE (NW)	969	8	384982 396743
205	**Points of Interest - Recreational and Environmental** Name: Playground Location: Glenbarry Close, M13 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17NE (NW)	969	8	384982 396743

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Trafford Metropolitan Borough Council - Renewal and Environmental Protection	November 2013	Annual Rolling Update
Manchester City Council - Environmental Health Department	October 2017	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Salford City Council - Environmental Health Department	October 2017	Annual Rolling Update
Stockport Metropolitan Borough Council - Environment Team (Land & Water)	October 2017	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	July 22	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	July 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Variable
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Variable
Salford City Council - Environmental Health Department	March 2015	Variable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Variable
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls		
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 Control Enforcements		
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Variable
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Variable
Salford City Council - Environmental Health Department	March 2015	Variable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Variable
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	August 2022	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	
Registered Radioactive Substances		
Environment Agency - North West Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	July 2022	Quarterly
Water Abstractions Environment Agency - North West Region	October 2022	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	July 2022	Quarterly
Local Authority Landfill Coverage		
Manchester City Council - Planning Department	February 2003	Not Applicable
Oldham Metropolitan Borough Council	February 2003	Not Applicable
Salford City Council - Environmental Health Department	February 2003	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	February 2003	Not Applicable
Tameside Metropolitan Borough Council	February 2003	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Manchester City Council - Planning Department	October 2018	
Oldham Metropolitan Borough Council	October 2018	
Salford City Council - Environmental Health Department	October 2018	
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2018	
Tameside Metropolitan Borough Council	October 2018	
Trafford Metropolitan Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Trafford Metropolitan Borough Council	April 2016	Variable
Manchester City Council - Planning Department	February 2016	Variable
Oldham Metropolitan Borough Council	February 2016	Variable
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Variable
Tameside Metropolitan Borough Council - Planning and Building Control	February 2016	Variable
Salford City Council	June 2016	Variable
Planning Hazardous Substance Consents		
Trafford Metropolitan Borough Council	April 2016	Variable
Manchester City Council - Planning Department	February 2016	Variable
Oldham Metropolitan Borough Council	February 2016	Variable
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Variable
Tameside Metropolitan Borough Council - Planning and Building Control	February 2016	Variable
Salford City Council	June 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	December 2015	As notified
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	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	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Data Currency

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	September 2022	Quarterly
Points of Interest - Education and Health PointX	September 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2022	Quarterly
Points of Interest - Public Infrastructure PointX	September 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt		
Manchester City Council	July 2022	Quarterly
Oldham Metropolitan Borough Council	July 2022	Quarterly
Salford City Council	July 2022	Quarterly
Stockport Metropolitan Borough Council	July 2022	Quarterly
Tameside Metropolitan Borough Council	July 2022	Quarterly
Trafford Metropolitan Borough Council	July 2022	Quarterly
Areas of Unadopted Green Belt		
Manchester City Council	July 2022	Quarterly
Oldham Metropolitan Borough Council	July 2022	Quarterly
Salford City Council	July 2022	Quarterly
Stockport Metropolitan Borough Council	July 2022	Quarterly
Tameside Metropolitan Borough Council	July 2022	Quarterly
Trafford Metropolitan Borough Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	February 2021	Bi-Annually
Marine Nature Reserves		
Natural England	July 2019	Bi-Annually
National Nature Reserves		
Natural England	January 2021	Bi-Annually
National Parks		
Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	June 2017	Bi-Annually
Ramsar Sites		
Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest		
Natural England	February 2021	Bi-Annually
Special Areas of Conservation		
Natural England	July 2020	Bi-Annually
Special Protection Areas		
Natural England	February 2021	Bi-Annually

Data Suppliers

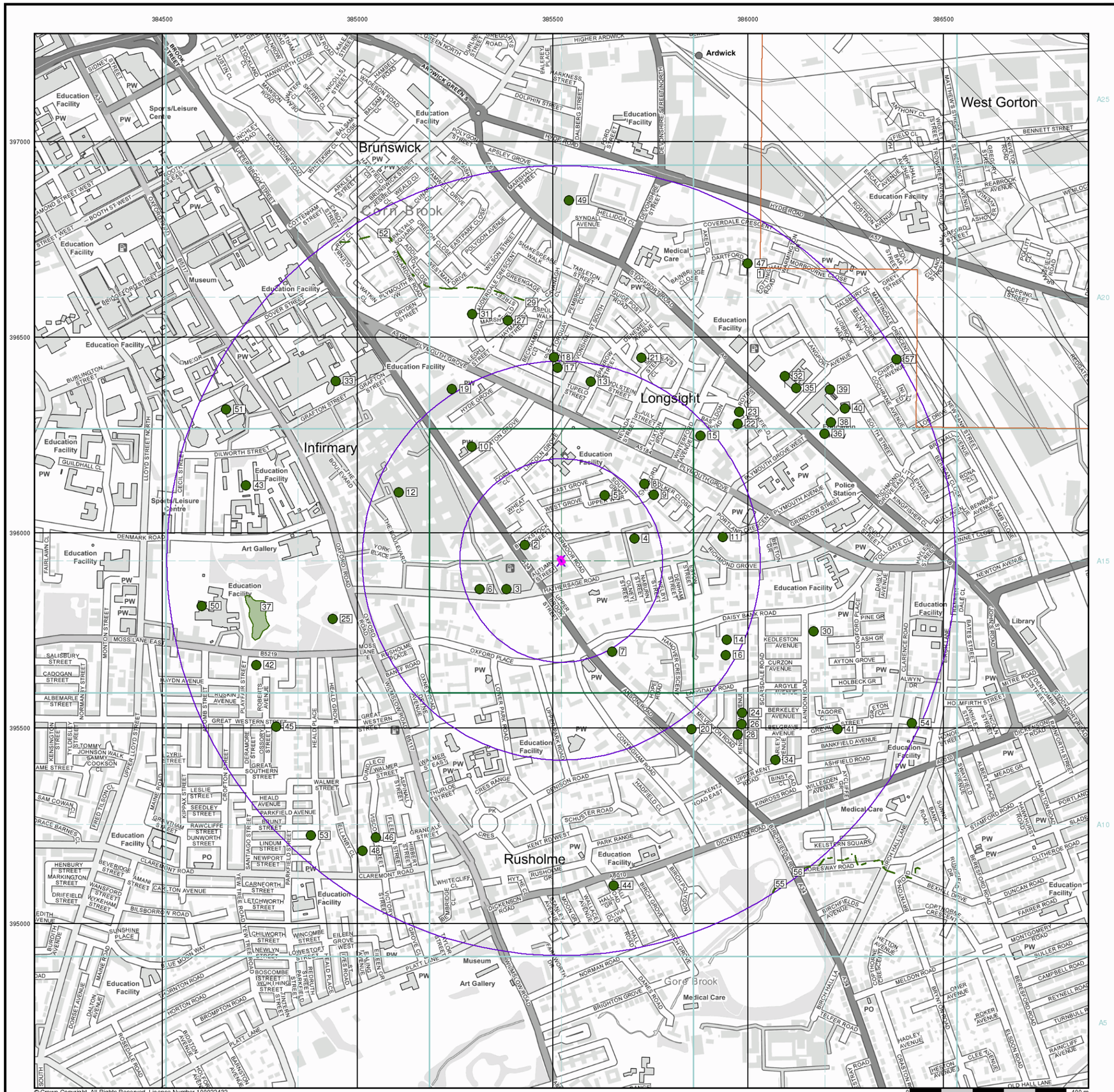
A selection of organisations who provide data within this report

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	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**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
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**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
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 Website: www2.groundstability.com
8	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Land Use Information (1:10,000)

General

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

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

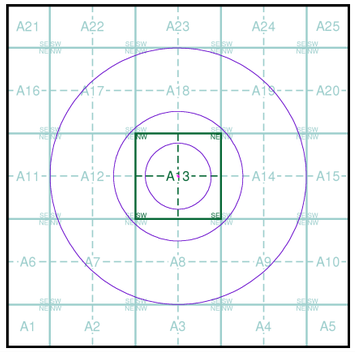
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



Order Details

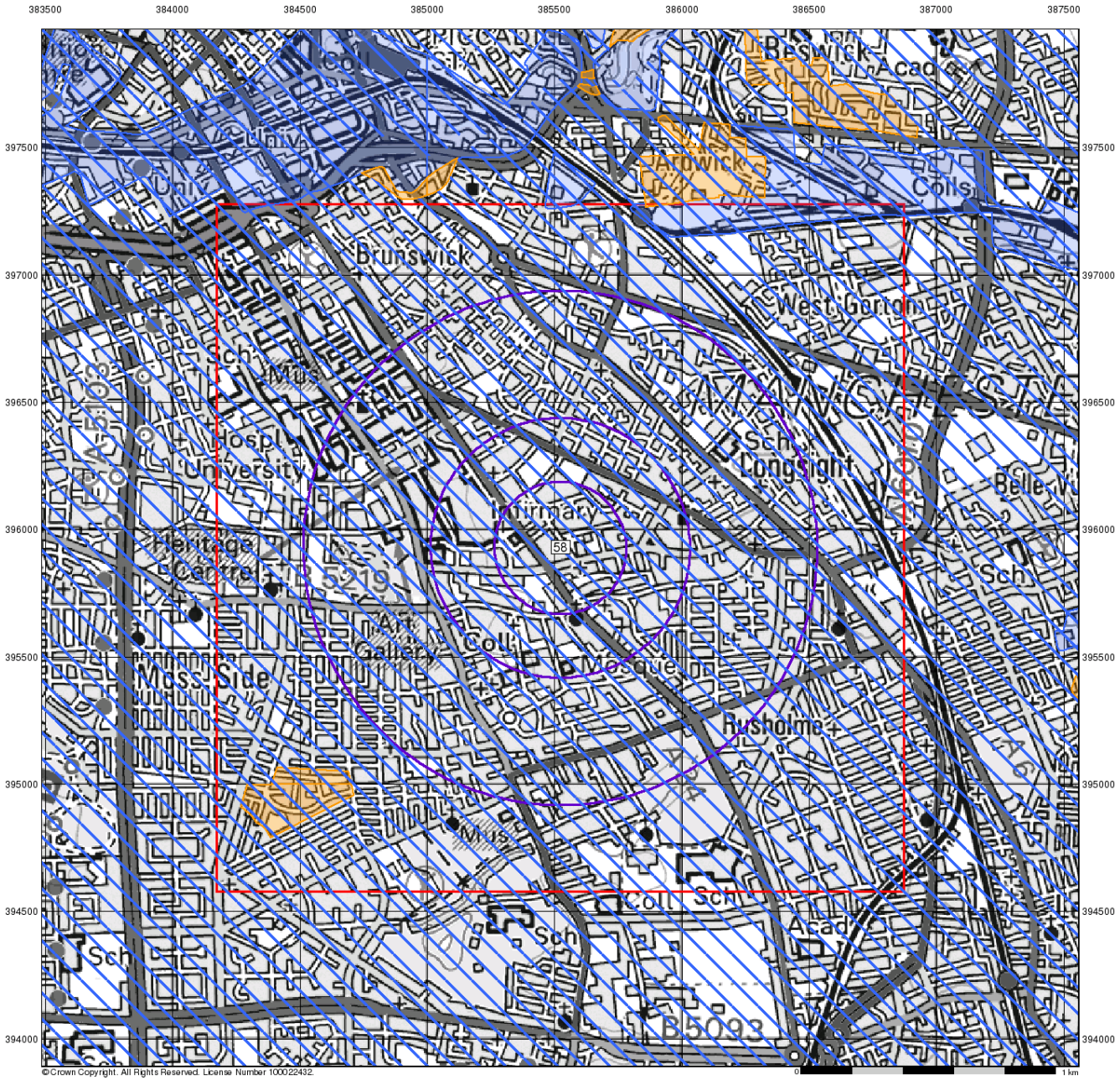
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



©Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

Ground Stability Data (1:50,000)

General

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

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

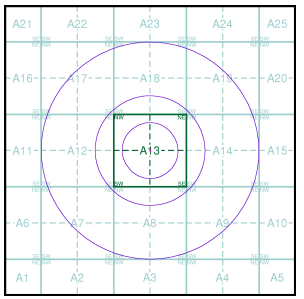
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice A



Order Details

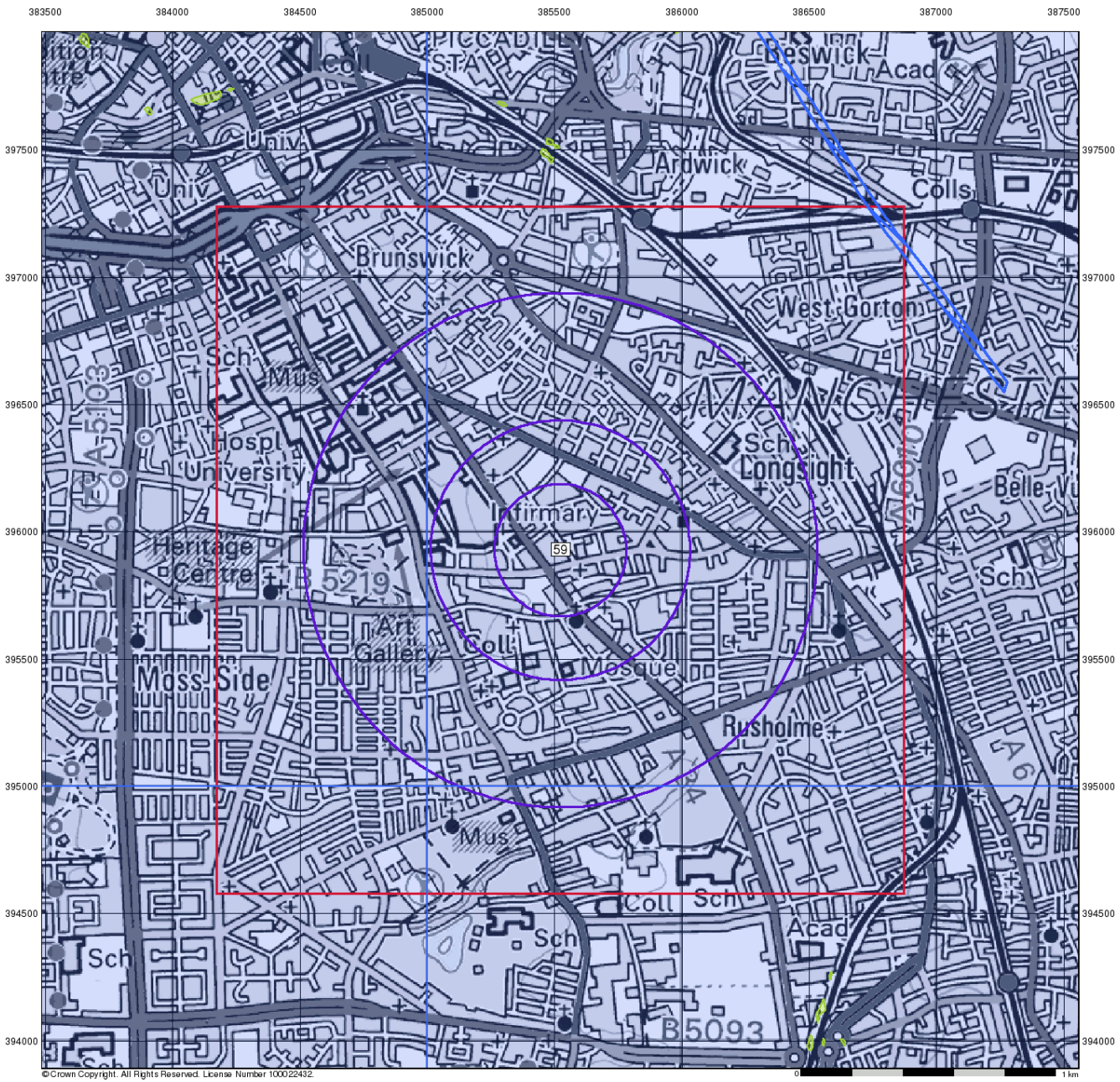
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

Ground Stability Data (1:50,000)

General

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

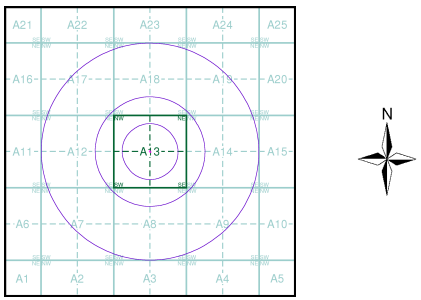
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice A



Order Details

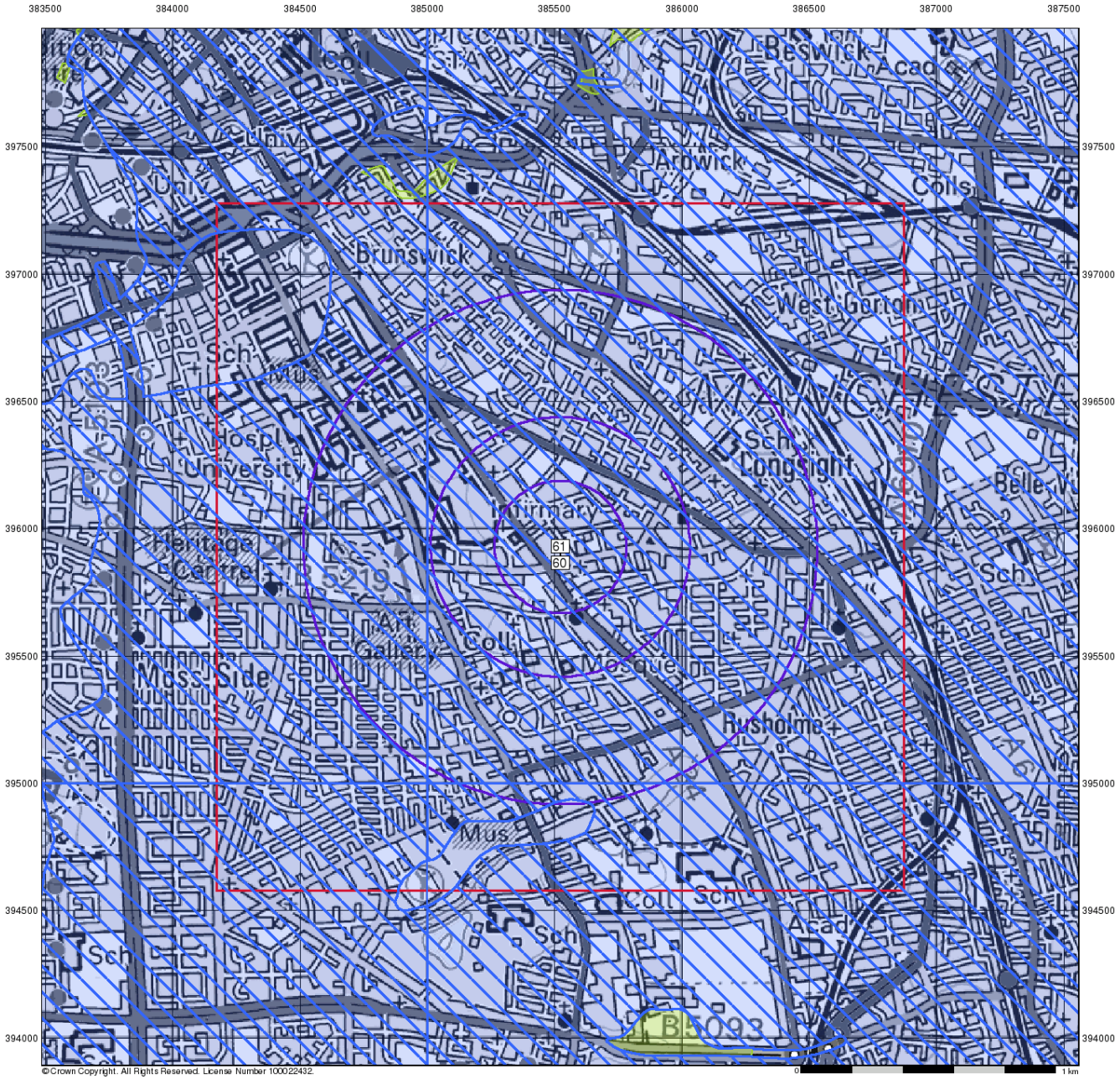
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

Ground Stability Data (1:50,000)

General

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

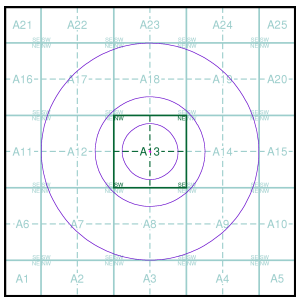
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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

Envirocheck®
LANDMARK INFORMATION GROUP®

Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
303236239_1_1

Customer Reference:
2554

National Grid Reference:
385520, 395930

Slice:
A

Site Area (Ha):
0.02

Search Buffer (m):
1000

Site Details:

Rafters Garage, 90
Carmoor Road
MANCHESTER
M13 0FB

Client Details:

Mr A Fasano
A-squared Studio
66 Church Road
Richmond
TW10 6LN

Envirocheck®
LANDMARK INFORMATION GROUP®

Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	-
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	2
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	5
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	6
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	7
Data Suppliers	8
Useful Contacts	9

Copyright Notice

© Landmark Information Group Limited 2022. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, and the Environment Agency/Natural Resources Wales, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

© Copyright Stantec UK Limited. All rights reserved.

The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

Envirocheck®
LANDMARK INFORMATION GROUP®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas	pg 1	Yes	n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas	pg 1				1
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 2		5	11	40
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 5	Yes		n/a	n/a
Salt Mining Related Features					

Envirocheck®
LANDMARK INFORMATION GROUP®

Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (NW)	0	1	385522 395928
	Non Coal Mining Areas of Great Britain No Hazard				
1	**Potential Mining Areas** Name: Bradford and Clayton Ceased Operation: 1891 Commodity: Coal; Four Foot Reference: 2655 Alternate Name/Mine: Forge Custodian: Not Supplied	A19NW (NE)	897	3	386031 396676

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (NW)	92	-	385428 395968
3	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SW (SW)	153	-	385381 395856
4	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (E)	188	-	385708 395985
5	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (NE)	193	-	385632 396096
6	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SW (W)	215	-	385312 395856
7	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (SE)	257	-	385651 395696
8	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (NE)	284	-	385734 396126
9	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (NE)	293	-	385758 396111
10	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (NW)	362	-	385292 396220
11	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (E)	409	-	385934 395989
12	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A12NE (NW)	442	-	385105 396104
13	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (N)	455	-	385596 396387
14	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (SE)	459	-	385945 395726
15	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (NE)	472	-	385877 396249
16	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (SE)	475	-	385942 395687
17	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	484	-	385512 396422
18	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	510	-	385502 396448
19	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (NW)	513	-	385242 396368
20	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NE (SE)	536	-	385855 395498
21	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (N)	550	-	385727 396448
22	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	566	-	385973 396280

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	587	-	385977 396309
24	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	595	-	385985 395539
25	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SE (W)	597	-	384936 395779
26	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	615	-	385983 395508
27	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	621	-	385385 396543
28	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1895	A9NW (SE)	624	-	385973 395483
29	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	656	-	385446 396589
30	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (E)	660	-	386166 395747
31	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	662	-	385293 396560
32	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	718	-	386094 396372
33	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SE (NW)	729	-	384943 396388
34	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A9NW (SE)	738	-	386069 395419
35	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	741	-	386123 396371
36	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (NE)	746	-	386195 396264
37	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SW (W)	755	-	384767 395810
38	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	769	-	386212 396282
39	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	810	-	386209 396367
40	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	817	-	386246 396319
41	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1895	A9NE (SE)	817	-	386228 395497
42	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	819	-	384740 395662
43	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NW (W)	821	-	384714 396122

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SE (S)	831	-	385655 395098
45	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7NW (SW)	838	-	384792 395504
46	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	844	-	385047 395221
47	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19NW (NE)	890	-	385998 396689
48	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	892	-	385013 395187
49	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18NE (N)	913	-	385541 396851
50	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	919	-	384601 395813
51	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SW (NW)	932	-	384663 396316
52	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17NE (NW)	944	-	385067 396766
53	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	945	-	384880 395225
54	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NE (SE)	978	-	386419 395513
55	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A9SW (SE)	990	-	386082 395102
56	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A9SW (SE)	992	-	386128 395132
57	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	994	-	386379 396443

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
58	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	4	385522 395928
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	4	385522 395928
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	4	385522 395928
59	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	4	385522 395928
60	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	4	385522 395928
61	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	4	385522 395928

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Lancashire And Furness	104_15	1893
Lancashire And Furness	104_15	1908
Lancashire And Furness	104_15	1933

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lancashire And Furness	104_00	1848
Lancashire And Furness	111_00	1848
Cheshire	003A_00	1882
Cheshire	010_00	1882
Lancashire And Furness	111_NE	1894
Lancashire And Furness	111_NW	1894
Lancashire And Furness	104_SE	1895
Lancashire And Furness	104_SW	1896
Lancashire And Furness	111_NE	1908
Lancashire And Furness	111_NW	1908
Lancashire And Furness	104_SE	1909
Lancashire And Furness	104_SW	1909
Lancashire And Furness	104_SE	1923
Lancashire And Furness	111_NE	1923
Lancashire And Furness	111_NW	1933
Lancashire And Furness	104_SW	1938
Ordnance Survey Plan	SJ89SE	1955
Ordnance Survey Plan	SJ89SW	1955
Ordnance Survey Plan	SJ89NE	1956
Ordnance Survey Plan	SJ89NW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	SJ89SW	1989
Ordnance Survey Plan	SJ89SE	1990
Ordnance Survey Plan	SJ89NE	1993
Ordnance Survey Plan	SJ89NW	1994

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

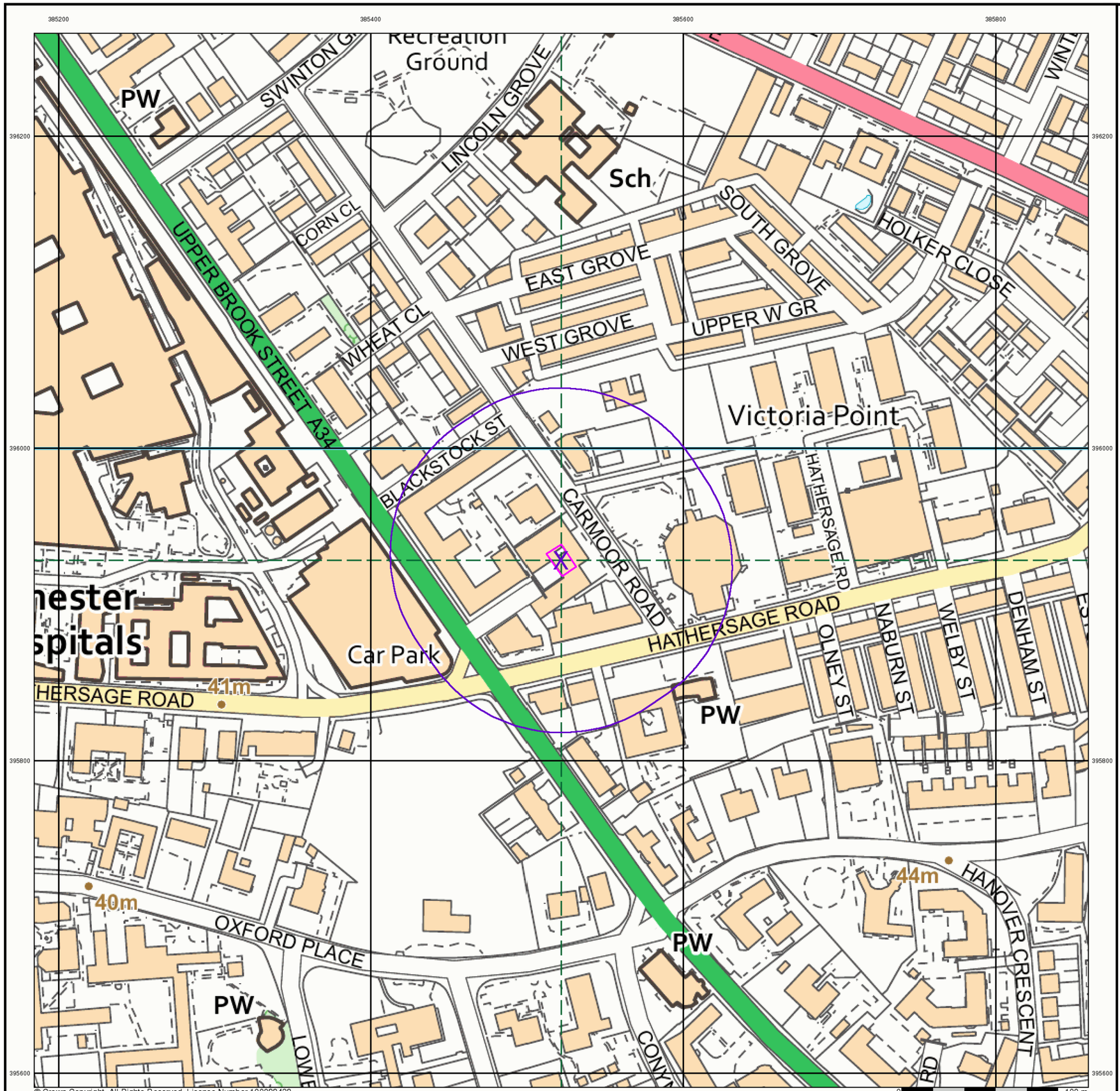
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey, NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong, your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**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 Website: www2.groundstability.com
2	**Ove Arup & Partners** Central Square, Forth Street, Newcastle upon Tyne, Tyne and Wear, NE1 3PL	Telephone: 0191 261 6080 Fax: 0191 261 7879
3	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9960 Fax: 0844 844 9951 Email: customerservice@promap.co.uk Website: www.landmarkinfo.co.uk
4	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

Historical Land Use Information (1:2,500)

General

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

Several of Type at Location

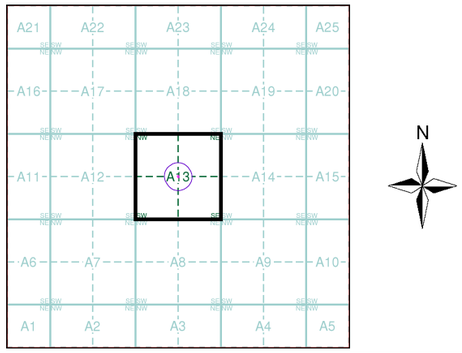
Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	▭
Extractive Industries Activity from 1893 - 1915	▲	—	▨
Extractive Industries Activity from 1906 - 1937	▲	—	▦
Extractive Industries Activity from 1924 - 1949	▲	—	▨
Extractive Industries Activity from 1950 - 1980	▲	—	▥

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	▭

Mining and Ground Stability - Segment A13



Order Details

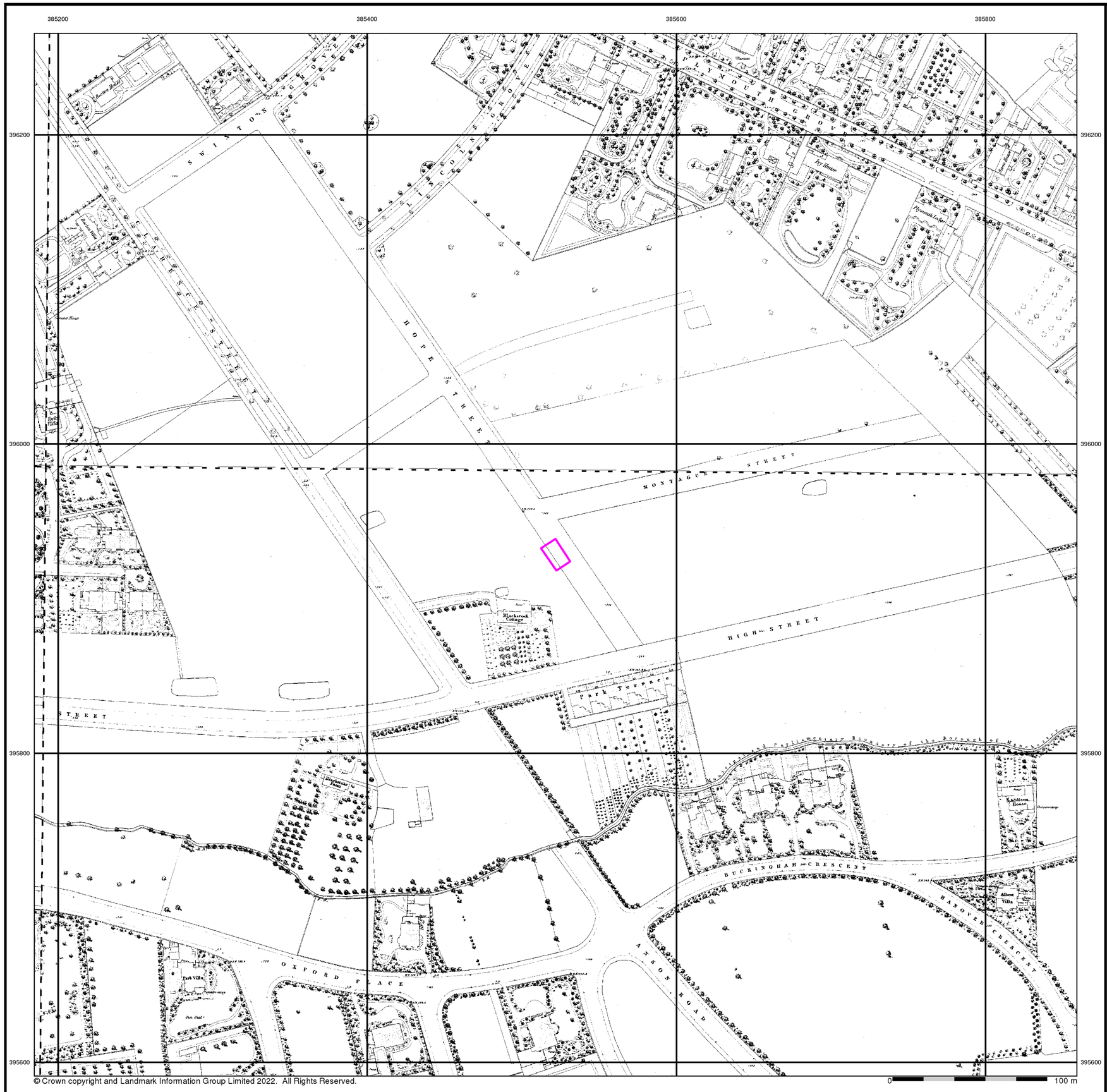
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Plot Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

Lancashire And Furness

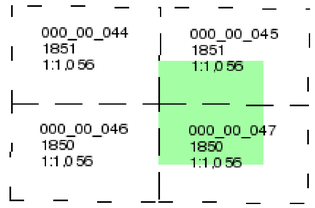
Published 1850 - 1851

Source map scale - 1:1,056

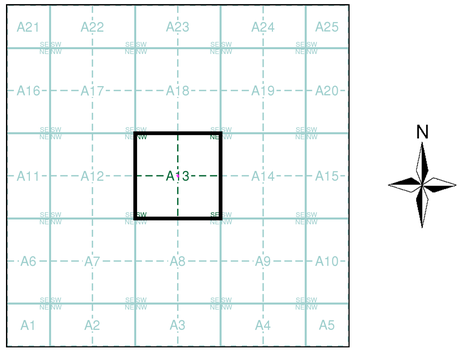
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the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

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

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



Order Details

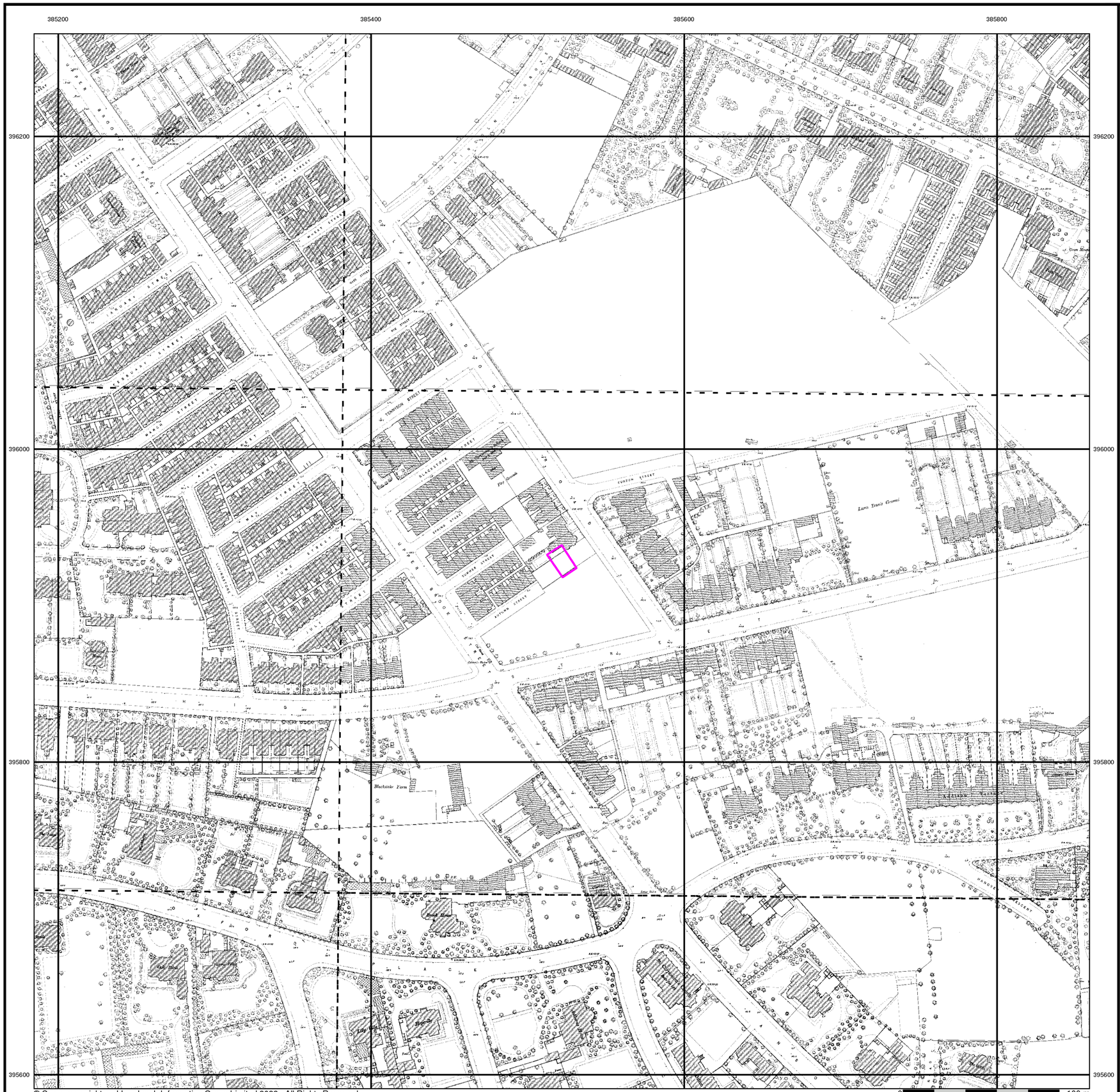
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	0

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

Lancashire And Furness

Published 1891

Source map scale - 1:500

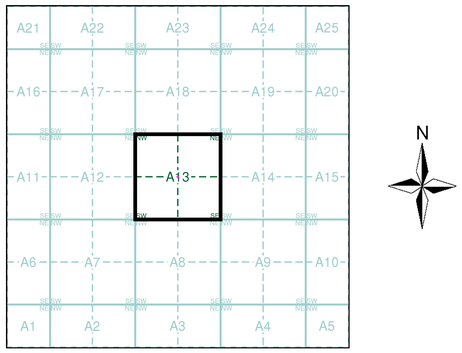
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped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

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

Map Name(s) and Date(s)

104_15_007 1891 1:500
104_15_008 1891 1:500
104_15_012 1891 1:500
104_15_013 1891 1:500
104_15_017 1891 1:500
104_15_018 1891 1:500

Historical Town Plan - Segment A13



Order Details

Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	0

Site Details

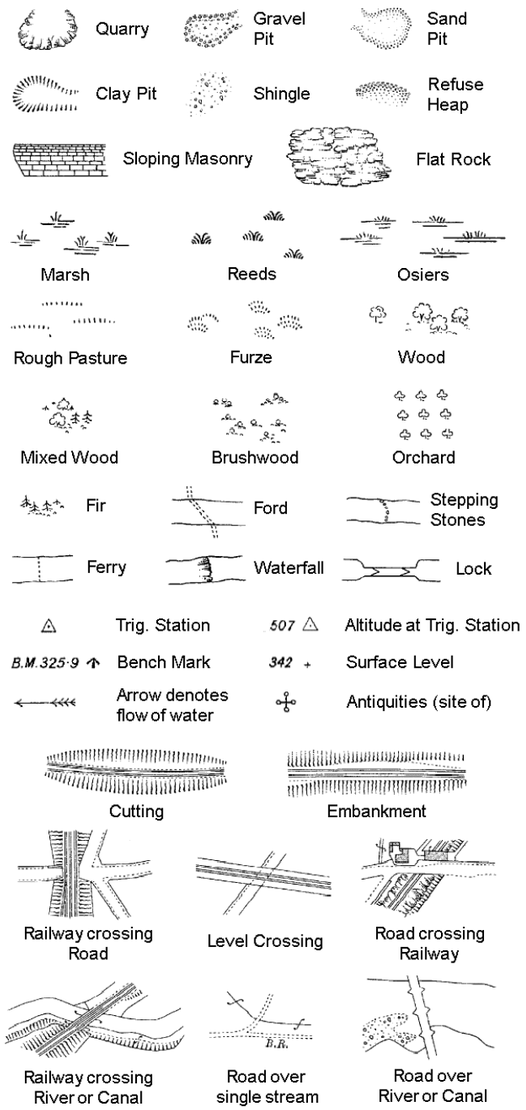
Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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

Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

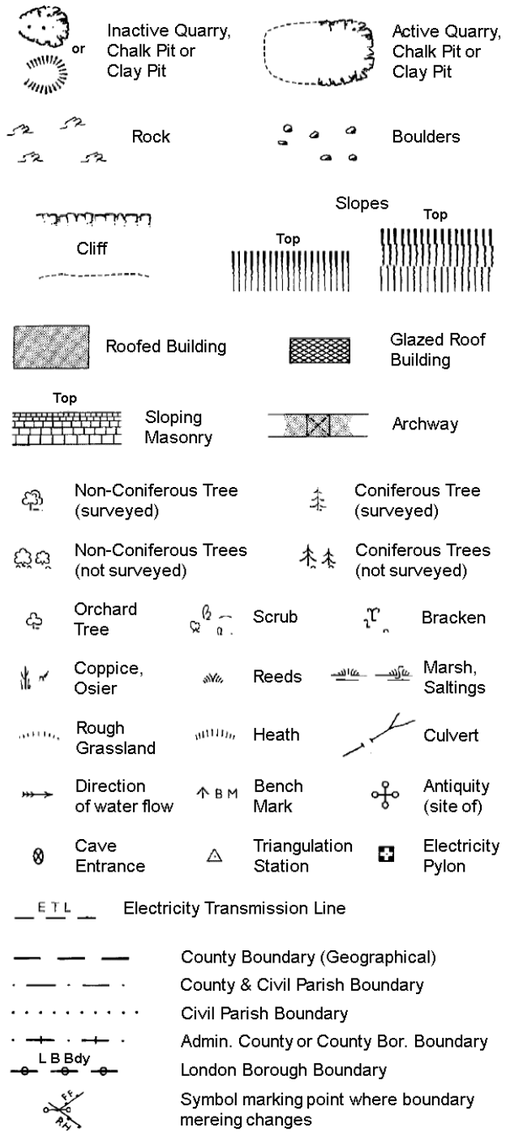
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

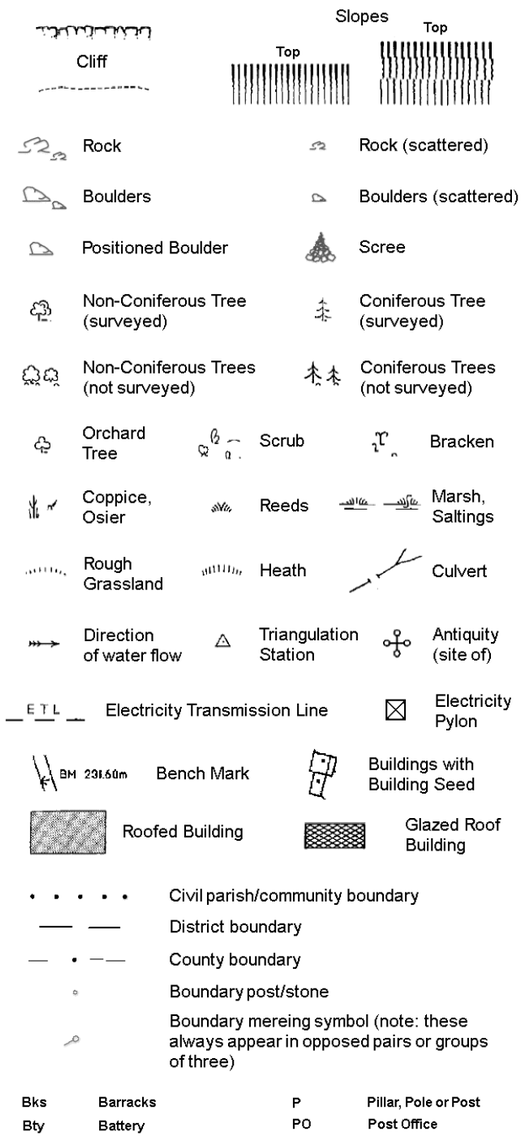
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

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

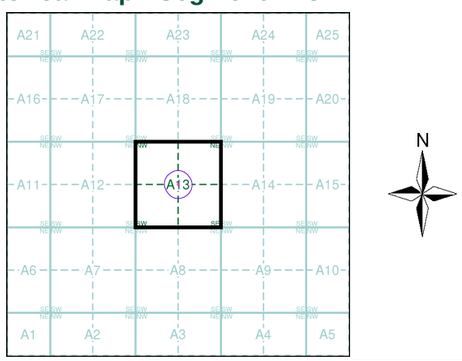
Envirocheck®

LANDMARK INFORMATION GROUP®

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	1933	4
Ordnance Survey Plan	1:1,250	1950 - 1951	5
Ordnance Survey Plan	1:2,500	1951 - 1952	6
Ordnance Survey Plan	1:2,500	1963	7
Ordnance Survey Plan	1:1,250	1967 - 1976	8
Additional SIMs	1:1,250	1978 - 1986	9
Additional SIMs	1:1,250	1984 - 1992	10
Additional SIMs	1:1,250	1986	11
Additional SIMs	1:1,250	1991	12
Ordnance Survey Plan	1:1,250	1992	13
Large-Scale National Grid Data	1:1,250	1992	14
Large-Scale National Grid Data	1:1,250	1993 - 1994	15
Large-Scale National Grid Data	1:1,250	1996	16
Historical Aerial Photography	1:2,500	2000	17

Historical Map - Segment A13



Order Details

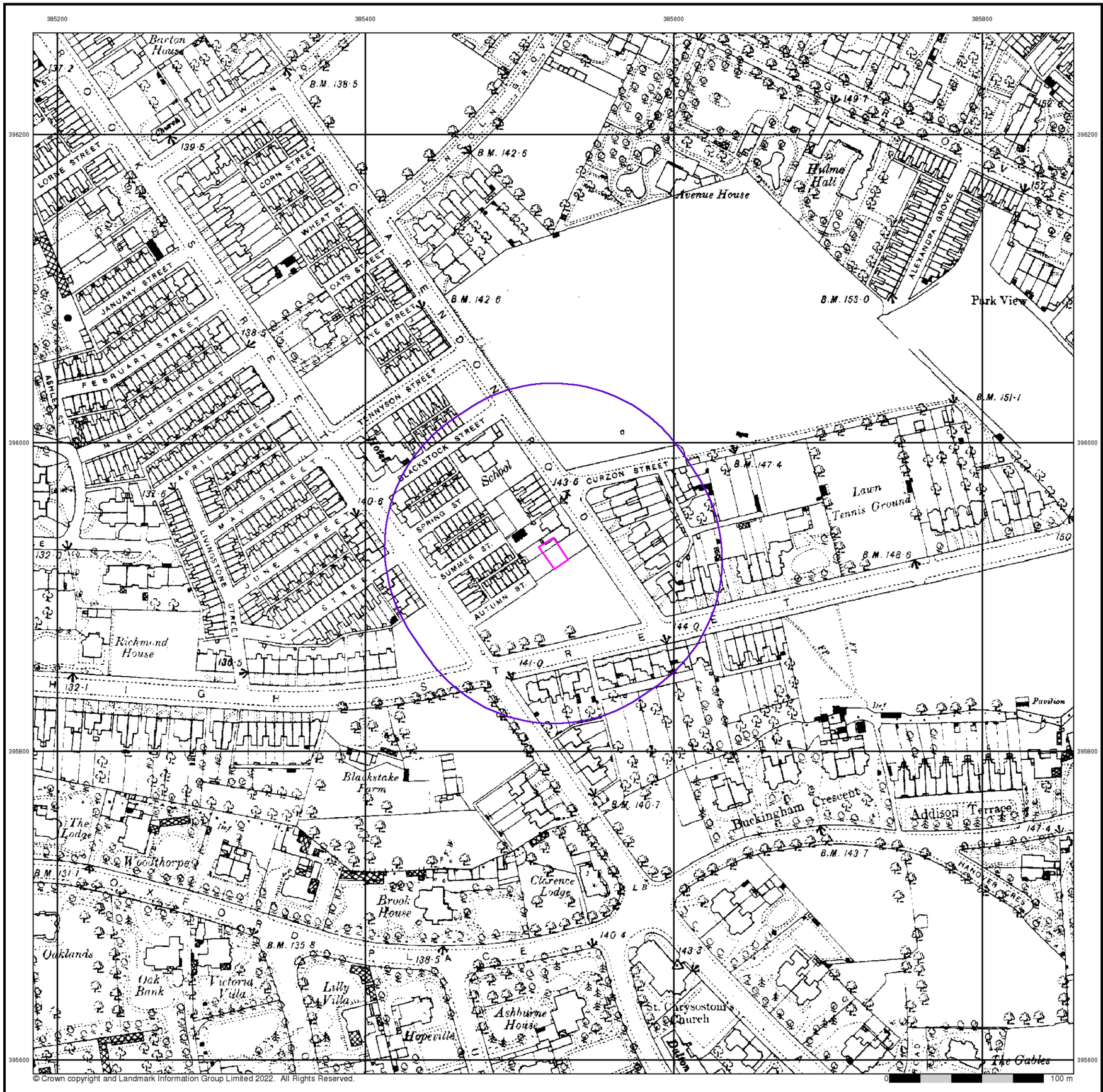
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

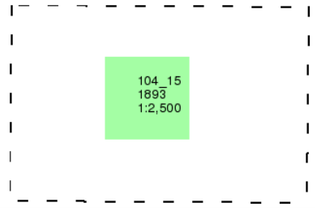
Lancashire And Furness

Published 1893

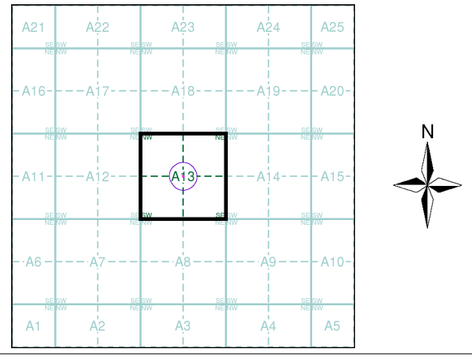
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

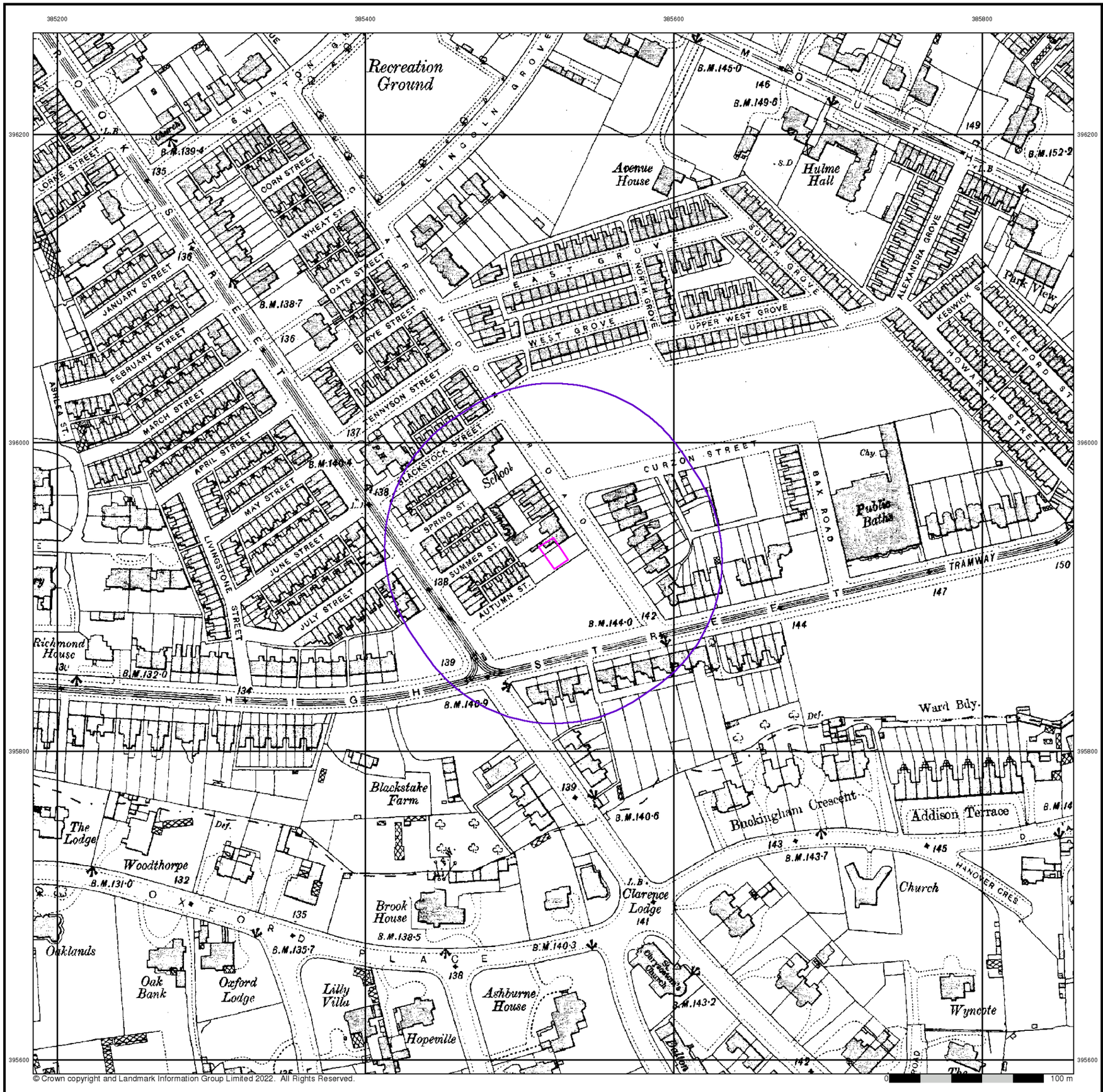
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

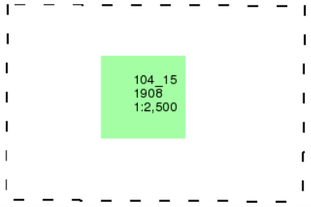
Lancashire And Furness

Published 1908

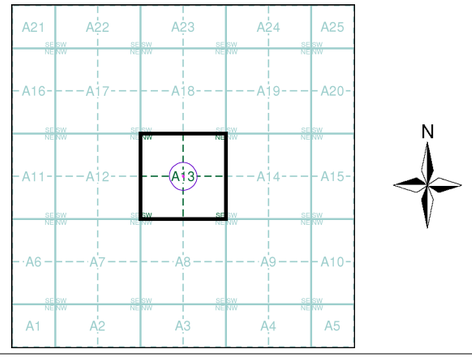
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

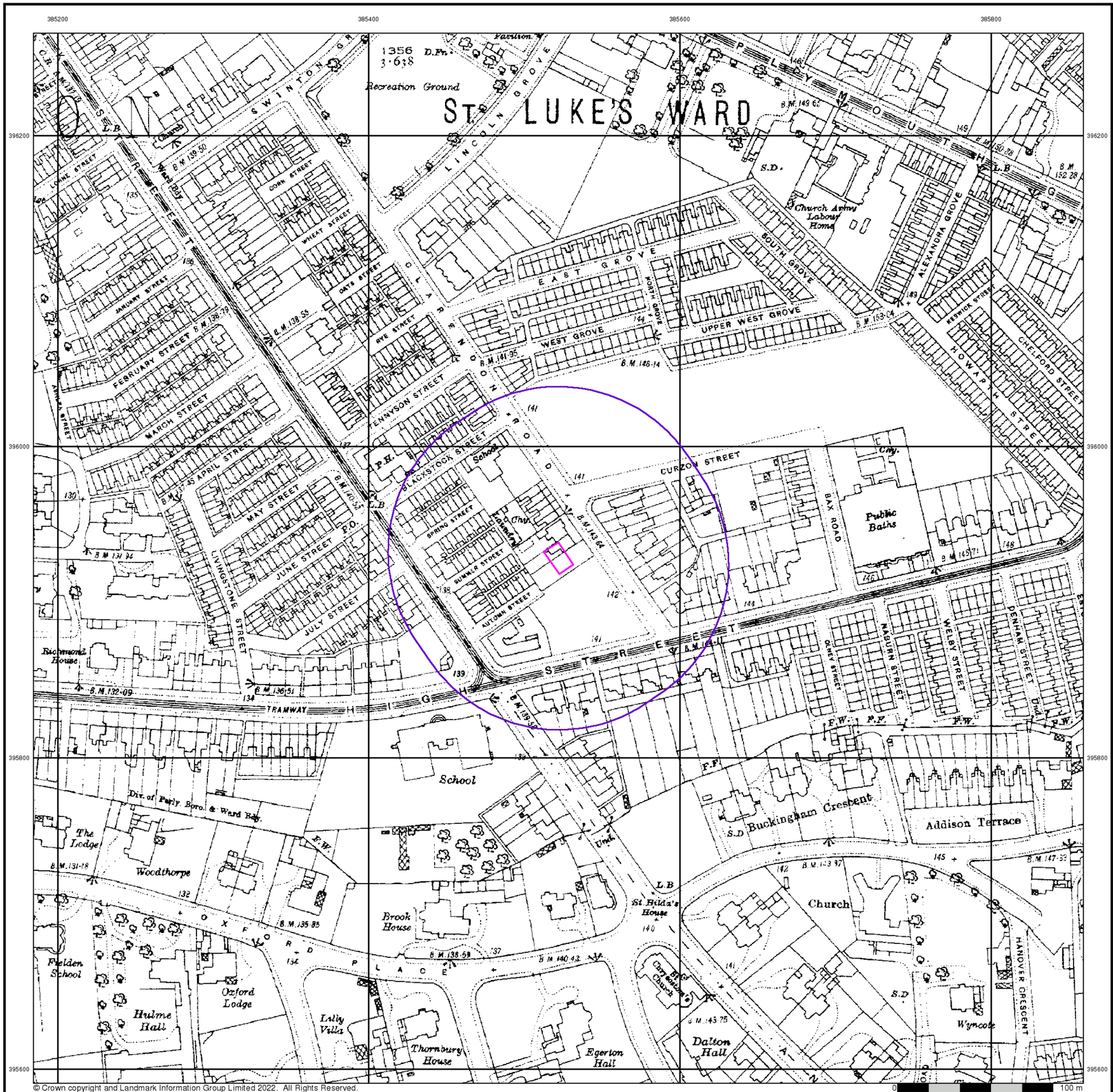
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

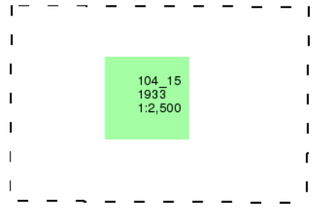
Lancashire And Furness

Published 1933

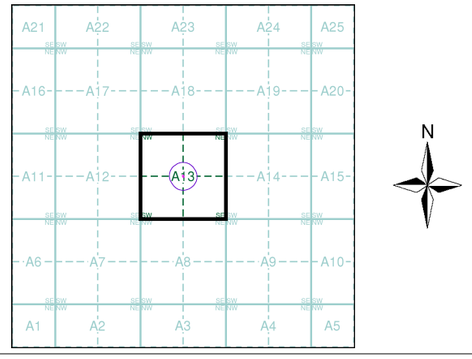
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

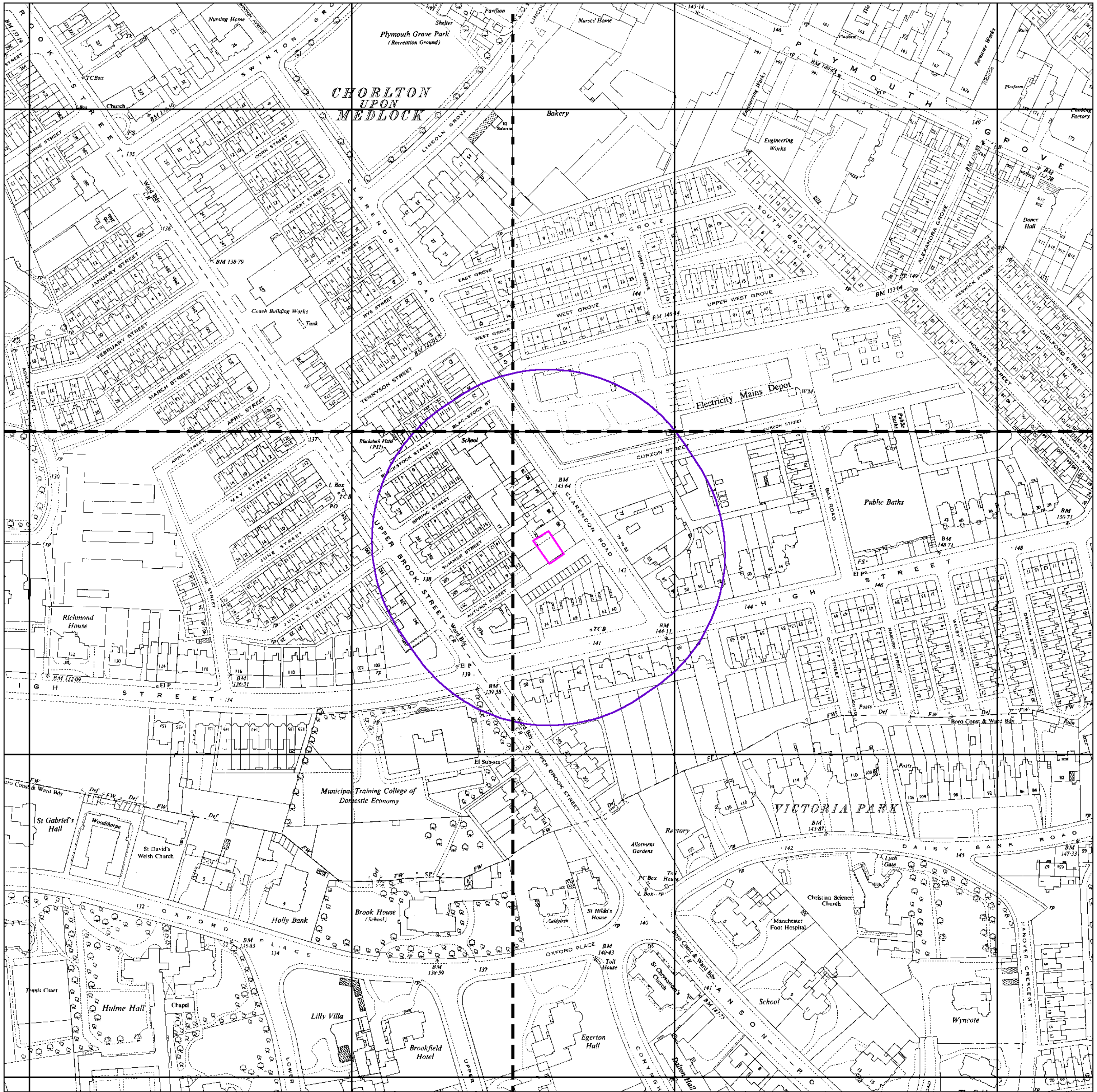
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

Ordnance Survey Plan

Published 1950 - 1951

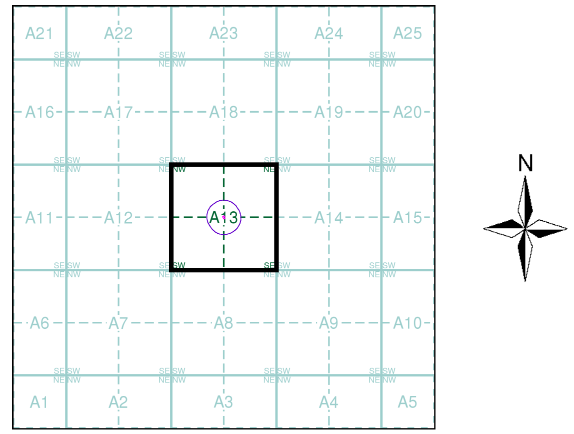
Source map scale - 1:1,250

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)

SJ8596SW 1950 1:1,250	SJ8596SE 1950 1:1,250
SJ8595NW 1951 1:1,250	SJ8595NE 1951 1:1,250

Historical Map - Segment A13



Order Details

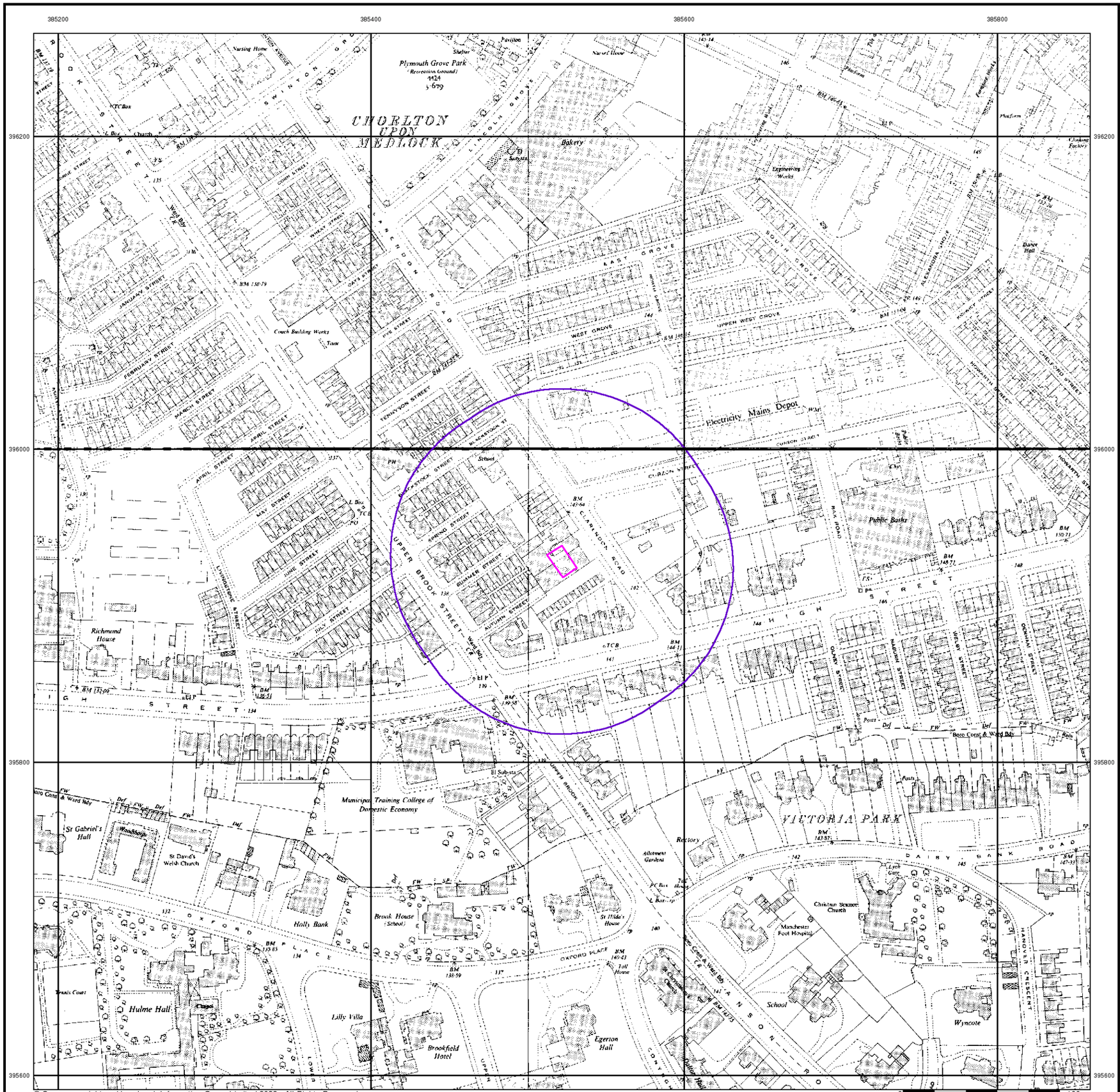
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

Ordnance Survey Plan

Published 1951 - 1952

Source map scale - 1:2,500

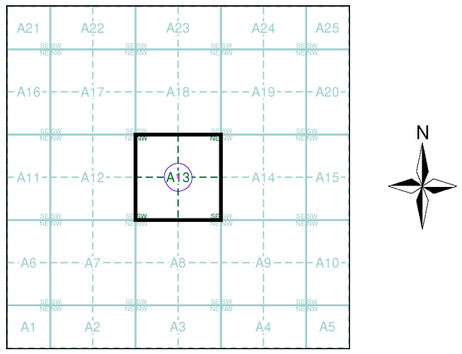
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

SJ8596
1951
1:2,500

SJ8595
1952
1:2,500

Historical Map - Segment A13



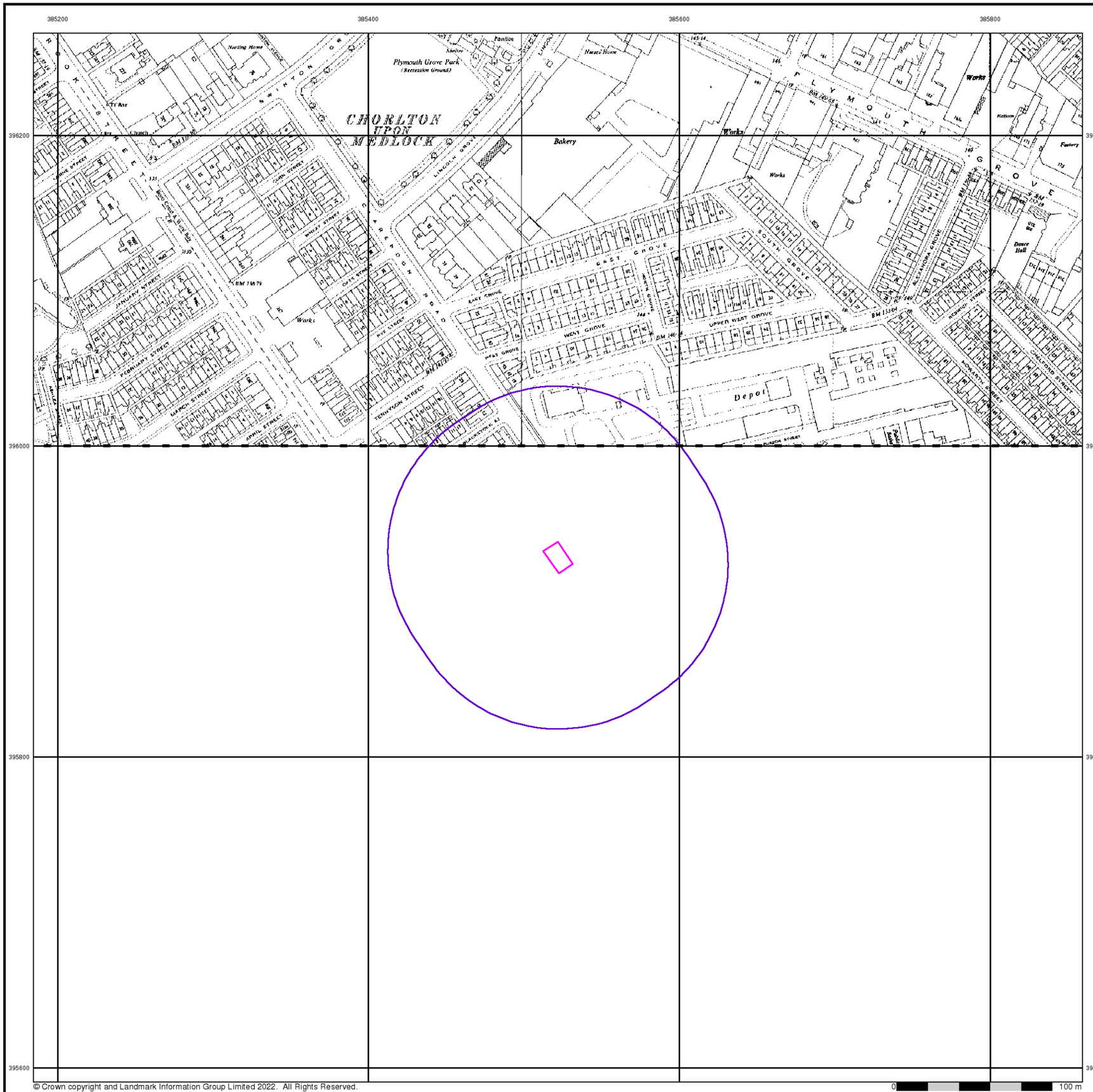
Order Details

Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

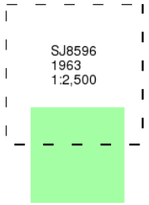
Ordnance Survey Plan

Published 1963

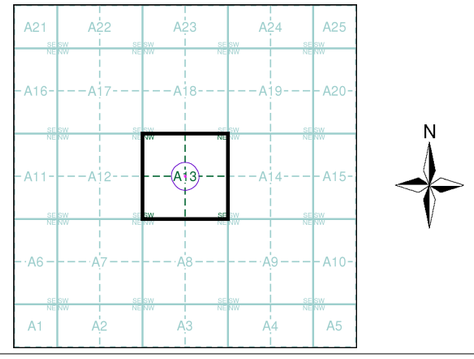
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

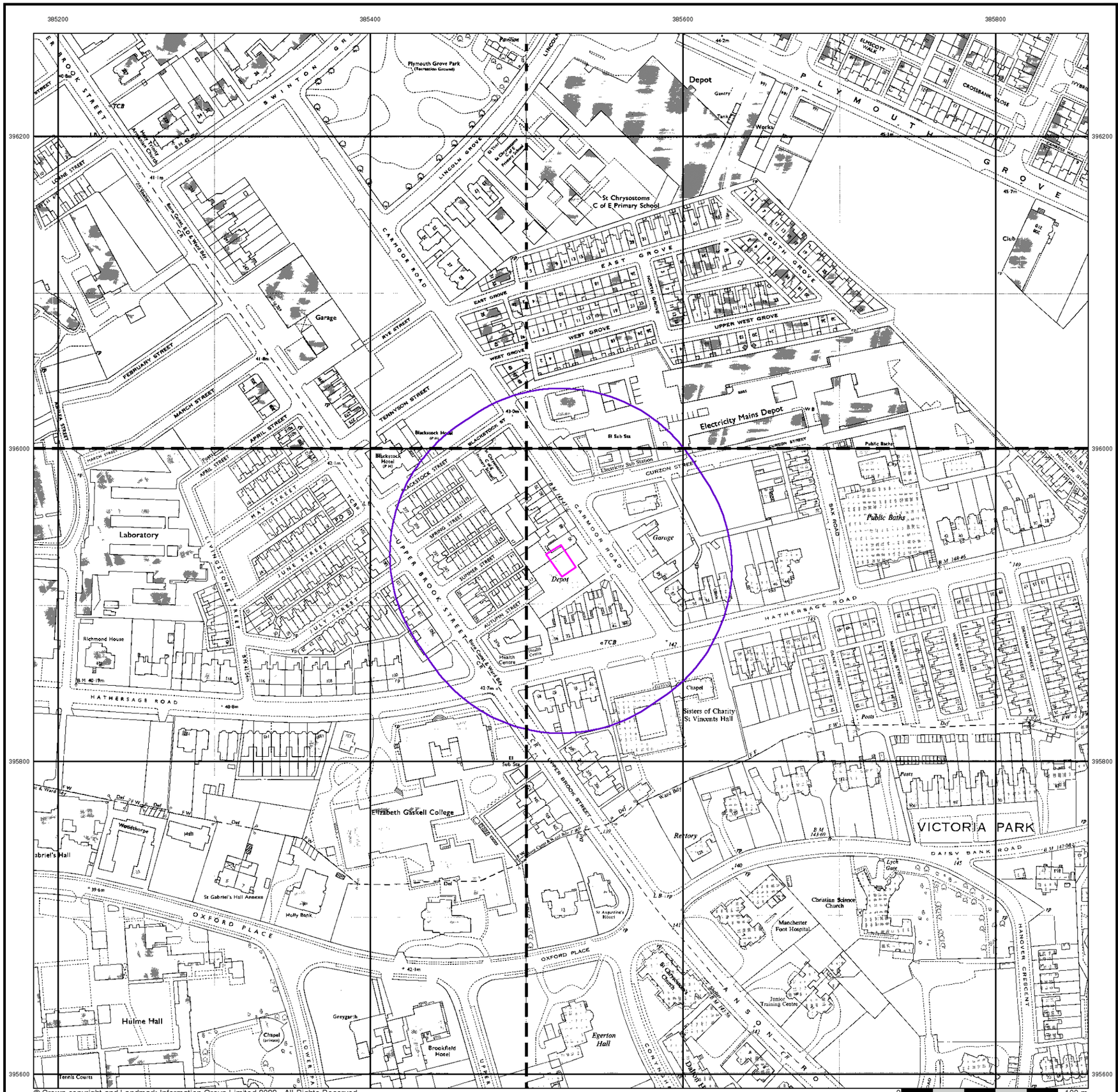
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

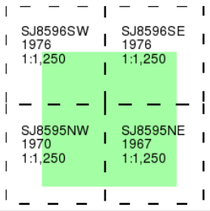
Ordnance Survey Plan

Published 1967 - 1976

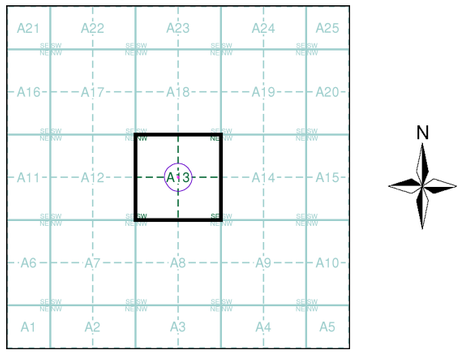
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

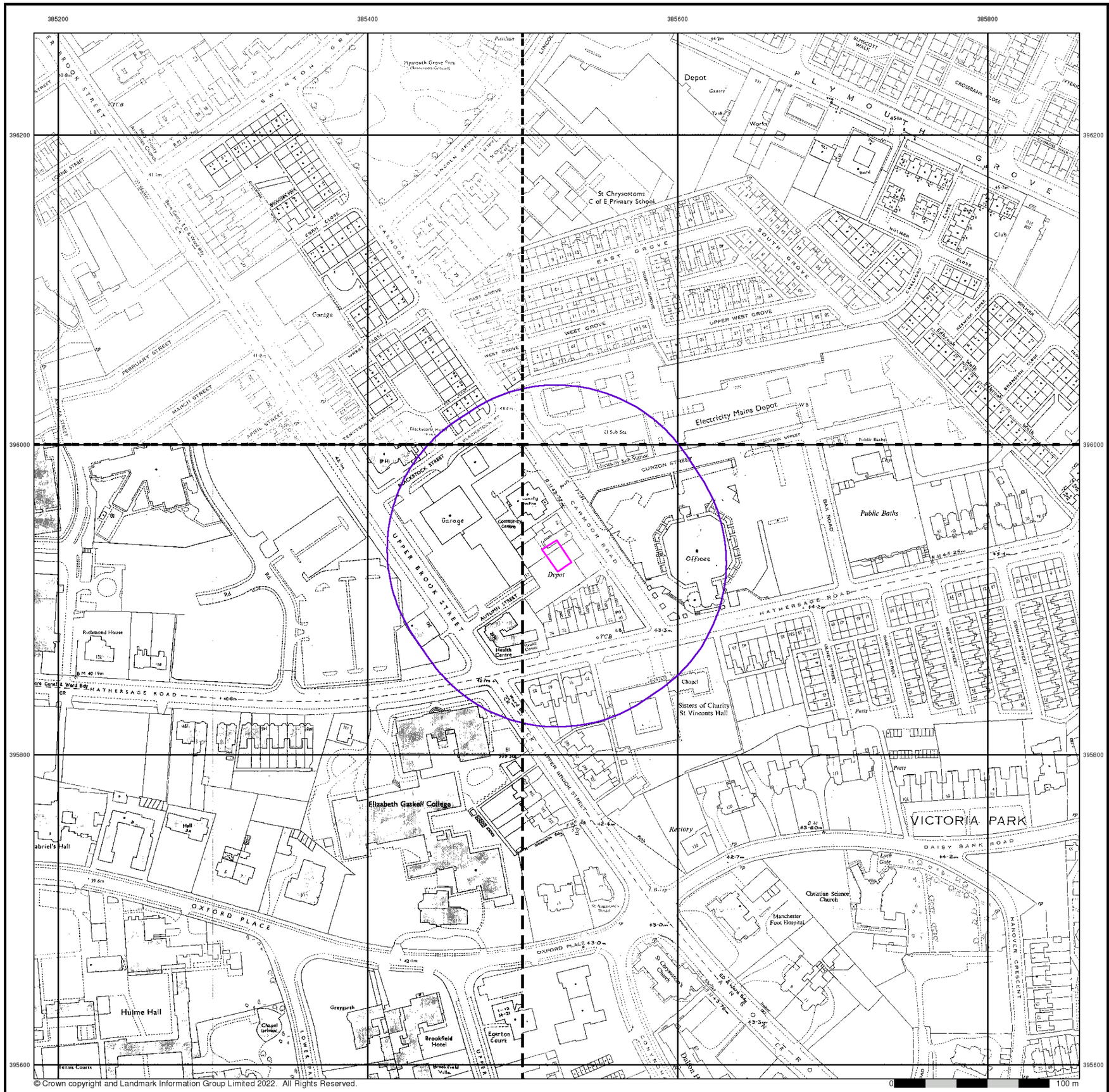
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

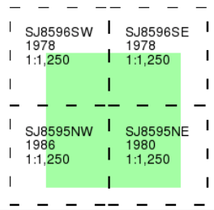
Additional SIMs

Published 1978 - 1986

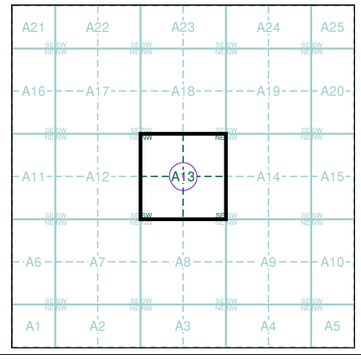
Source map scale - 1:1,250

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

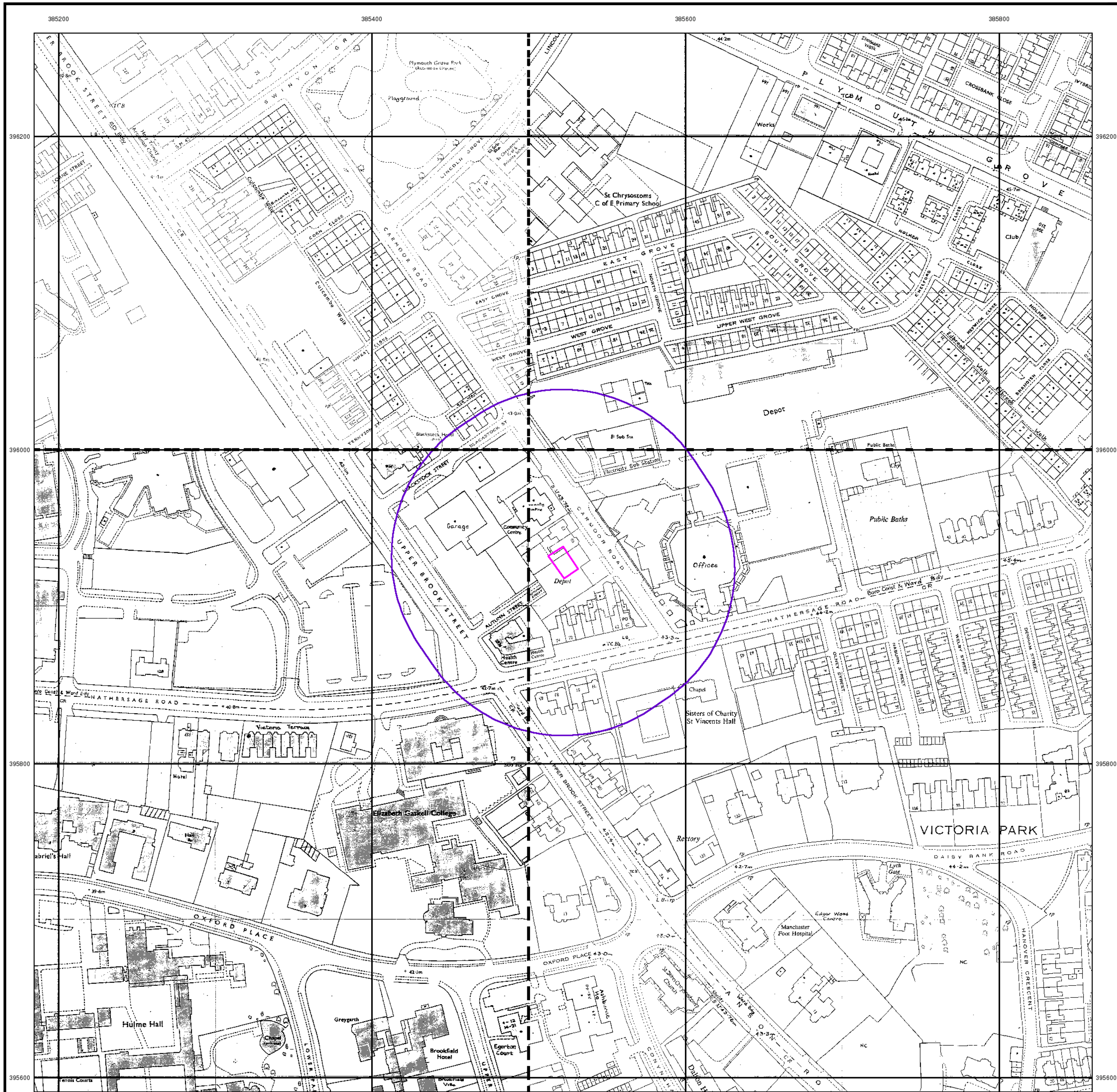
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

0 100 m

Envirocheck®

LANDMARK INFORMATION GROUP®

Additional SIMs

Published 1984 - 1992

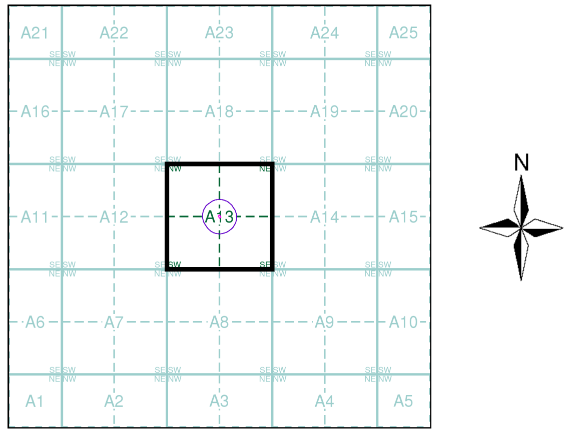
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8596SW 1984 1:1,250	SJ8596SE 1991 1:1,250
SJ8595NW 1991 1:1,250	SJ8595NE 1992 1:1,250

Historical Map - Segment A13



Order Details

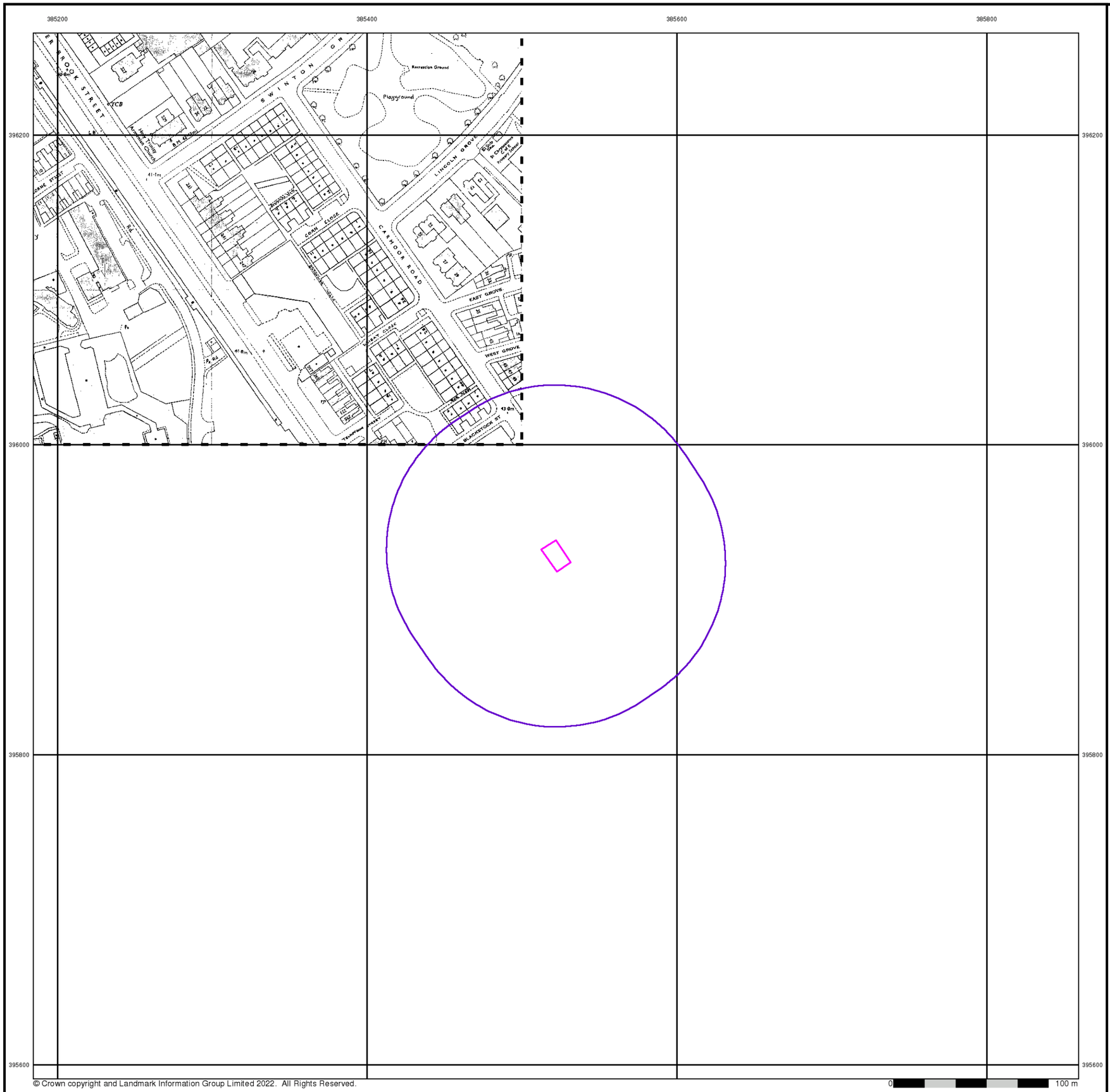
Order Number: 303236239_1_1
Customer Ref: 2554
National Grid Reference: 385520, 395930
Slice: A
Site Area (Ha): 0.02
Search Buffer (m): 100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

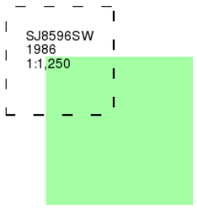
Additional SIMs

Published 1986

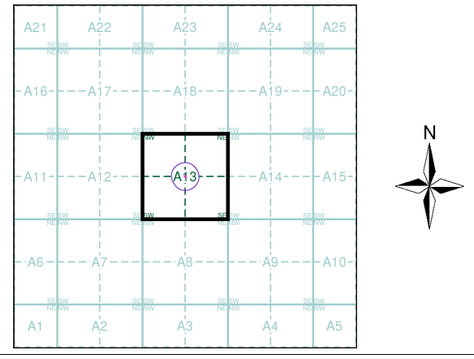
Source map scale - 1:1,250

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

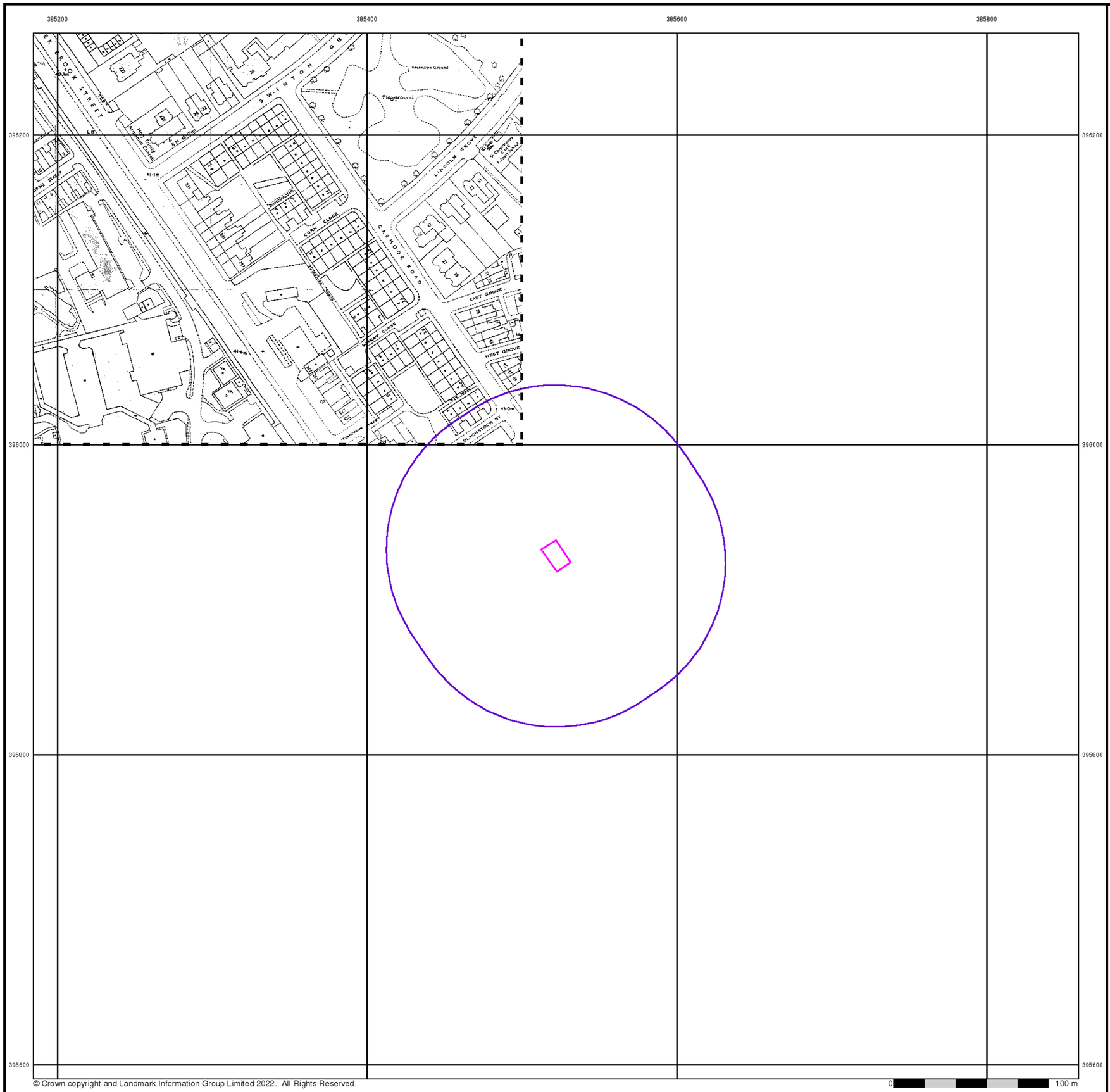
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

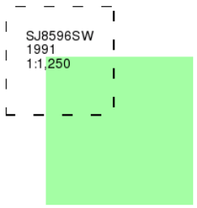
Additional SIMs

Published 1991

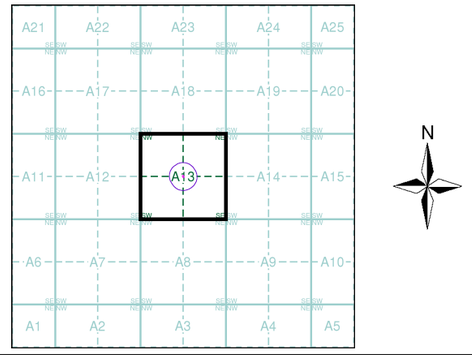
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

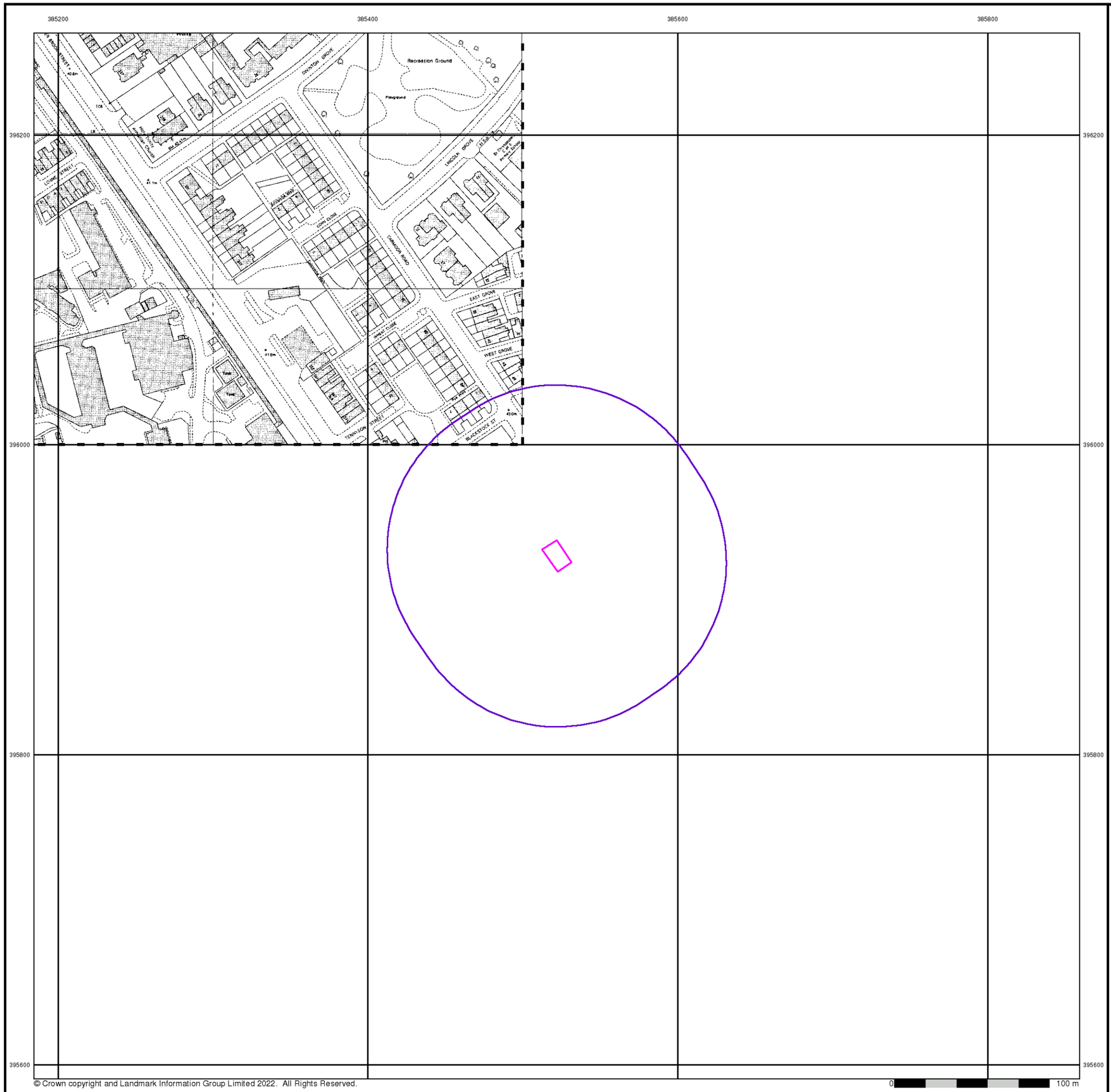
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

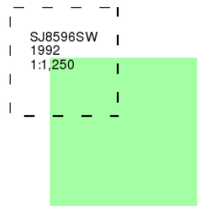
Ordnance Survey Plan

Published 1992

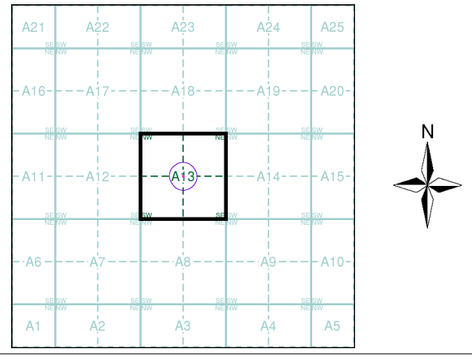
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

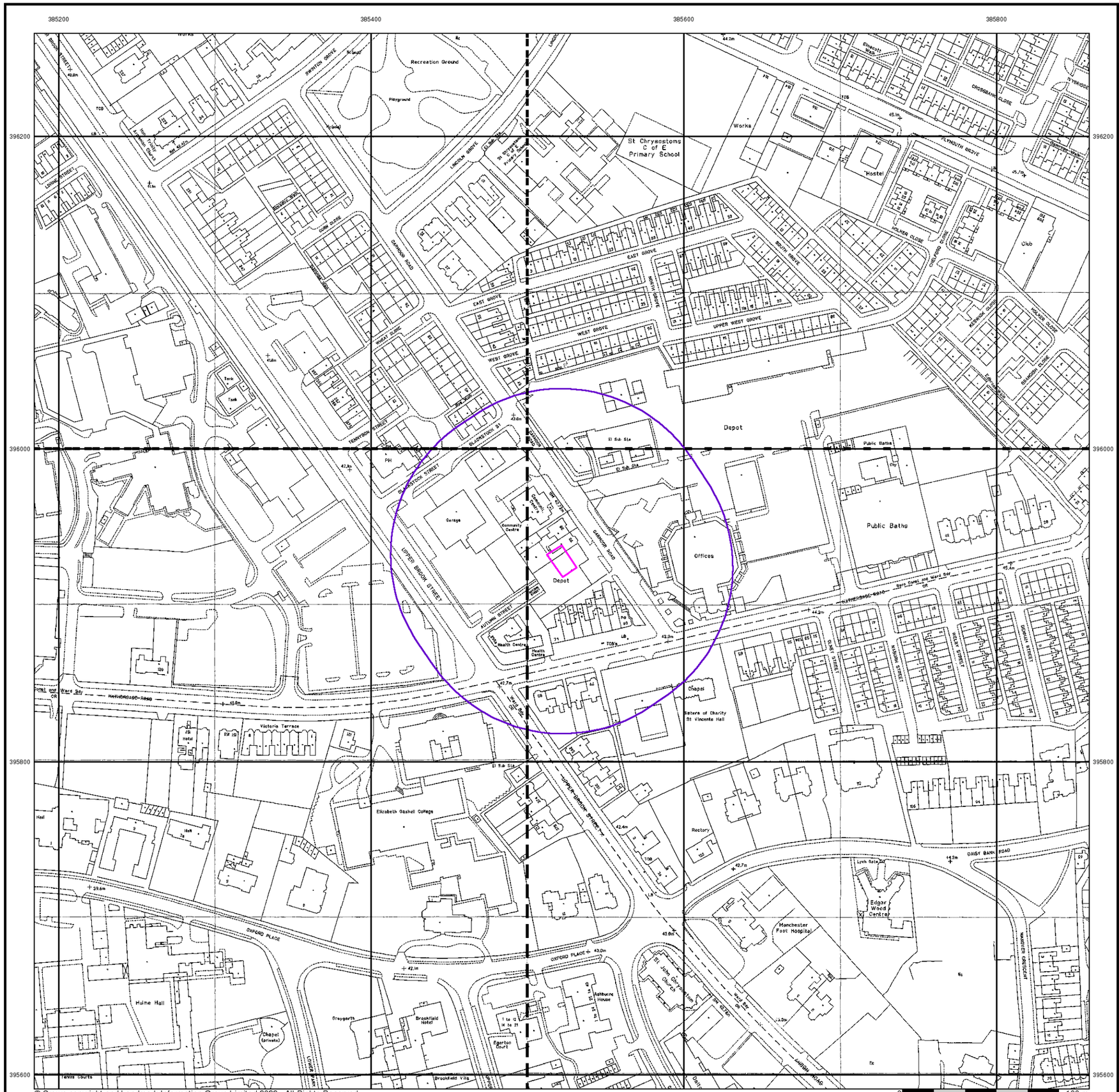
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

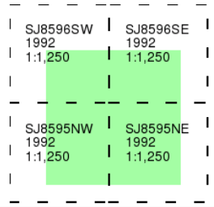
Large-Scale National Grid Data

Published 1992

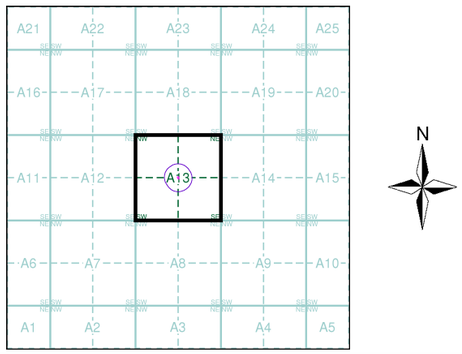
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

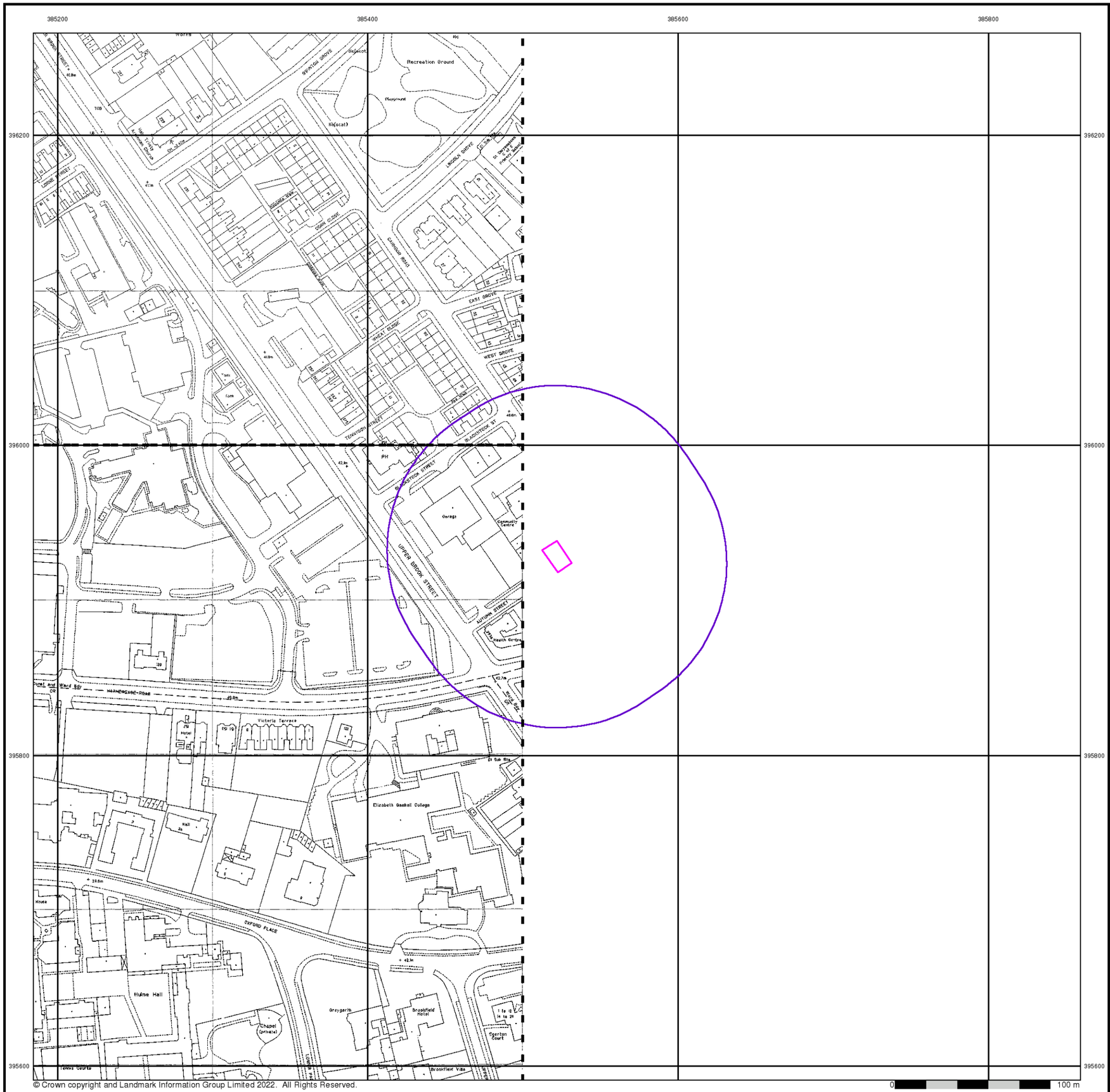
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

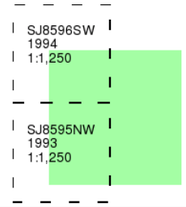
Large-Scale National Grid Data

Published 1993 - 1994

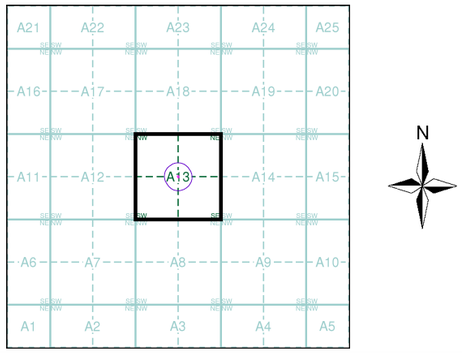
Source map scale - 1:1,250

'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

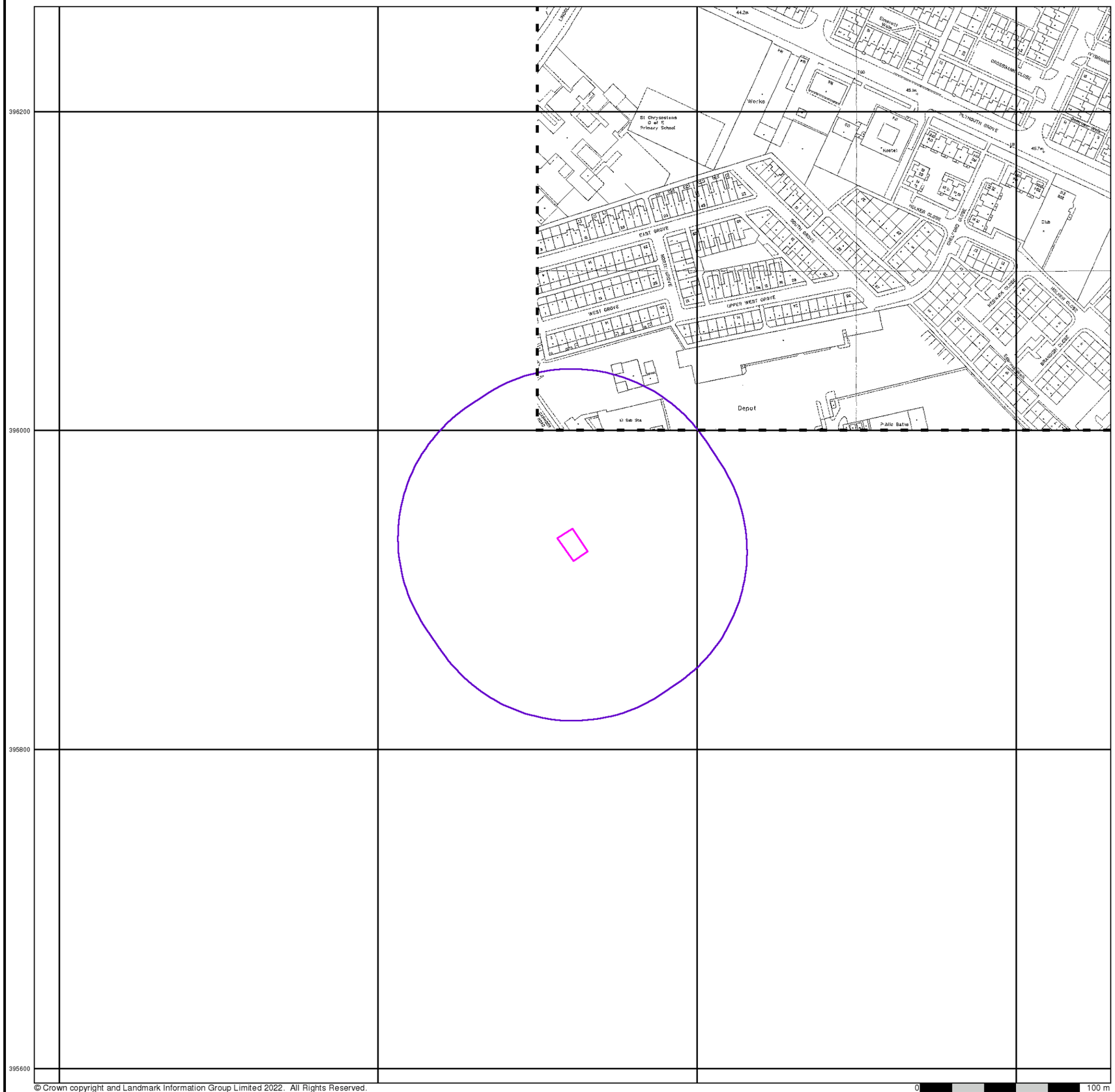
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP®

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

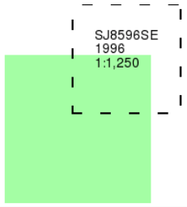
Large-Scale National Grid Data

Published 1996

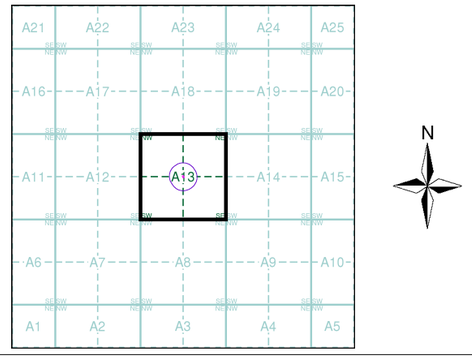
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

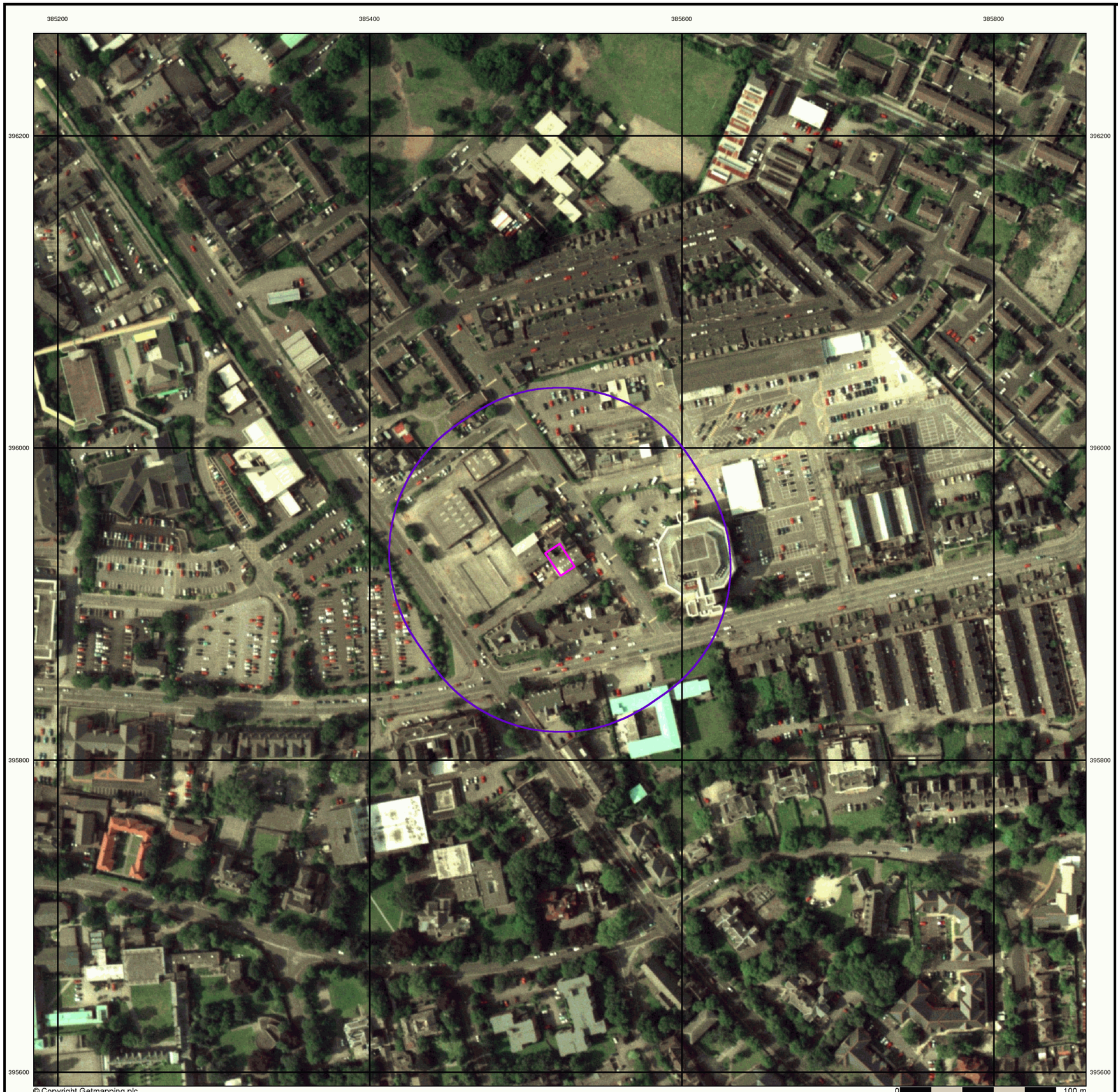
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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

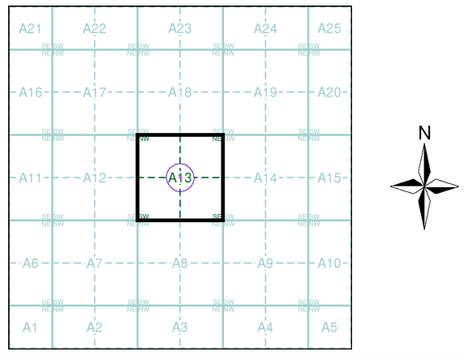


Historical Aerial Photography

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:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

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

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
Electricity Transmission Line
Pole
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

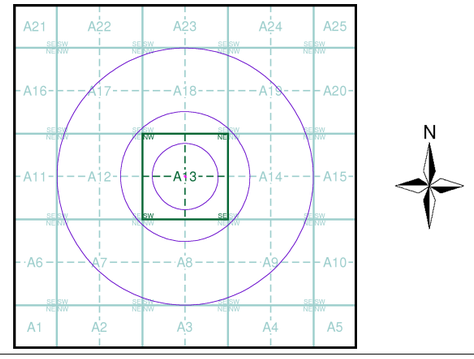
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

Envirocheck®
LANDMARK INFORMATION GROUP®

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	1908 - 1909	6
Lancashire And Furness	1:10,560	1923	7
Lancashire And Furness	1:10,560	1932 - 1934	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1955 - 1956	10
Ordnance Survey Plan	1:10,000	1965 - 1968	11
Ordnance Survey Plan	1:10,000	1972 - 1976	12
Manchester	1:25,000	1975	13
Ordnance Survey Plan	1:10,000	1980 - 1985	14
Ordnance Survey Plan	1:10,000	1985 - 1989	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	2021	20

Historical Map - Slice A



Order Details

Order Number: 303236239_1_1
Customer Ref: 2554
National Grid Reference: 385520, 395930
Slice: A
Site Area (Ha): 0.02
Search Buffer (m): 1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

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

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
- Direction and velocity of current
- 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

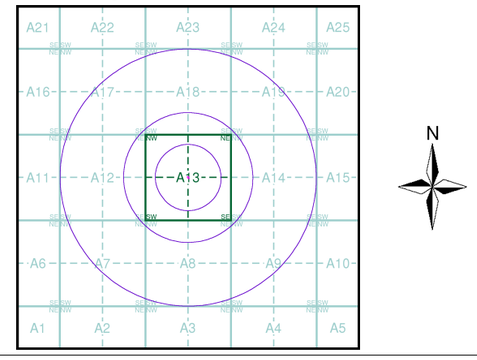
Envirocheck®

LANDMARK INFORMATION GROUP®

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	1908 - 1909	6
Lancashire And Furness	1:10,560	1923	7
Lancashire And Furness	1:10,560	1932 - 1934	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1955 - 1956	10
Ordnance Survey Plan	1:10,000	1965 - 1968	11
Ordnance Survey Plan	1:10,000	1972 - 1976	12
Manchester	1:25,000	1975	13
Ordnance Survey Plan	1:10,000	1980 - 1985	14
Ordnance Survey Plan	1:10,000	1985 - 1989	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	2021	20

Russian Map - Slice A



Order Details

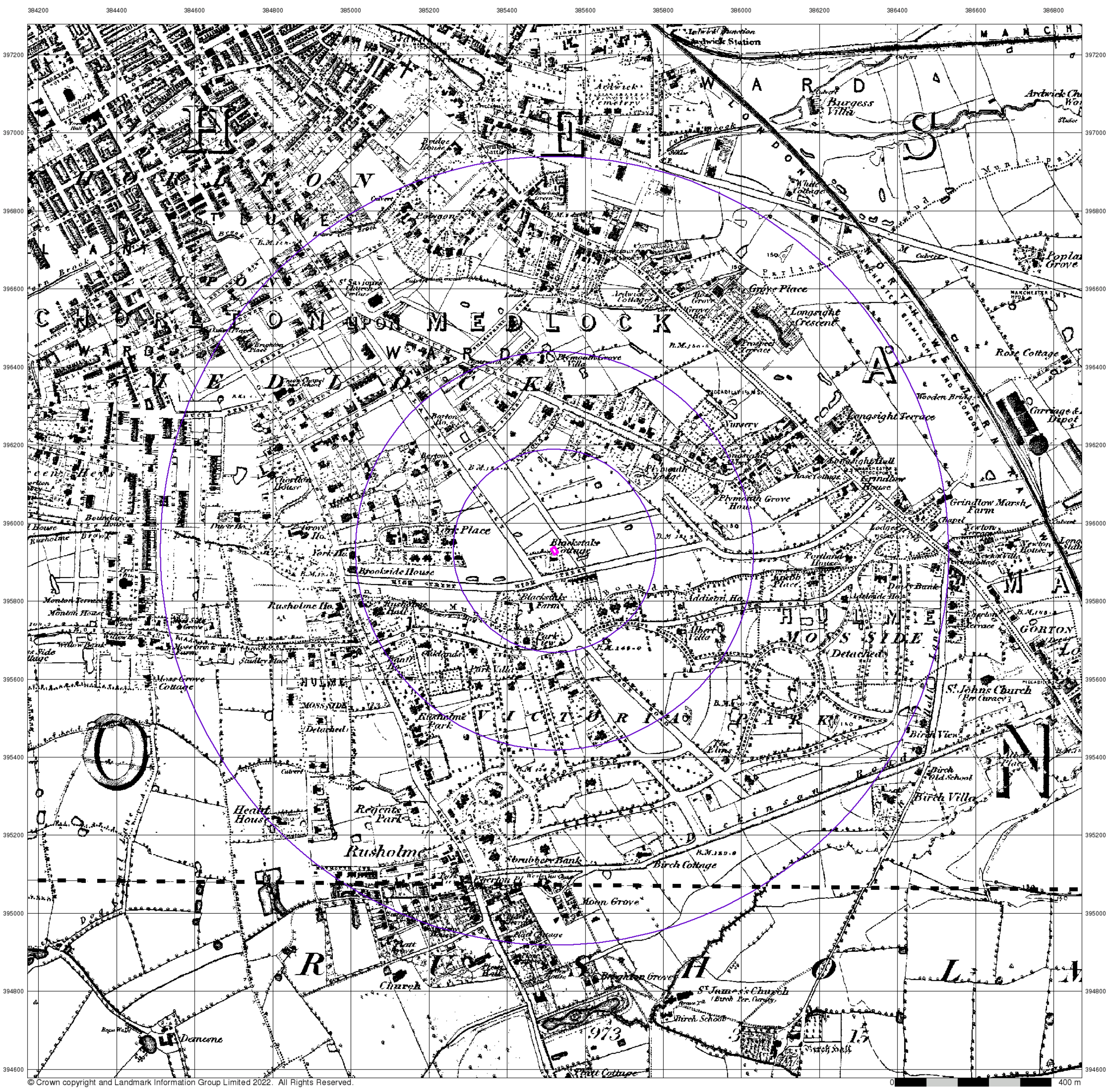
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

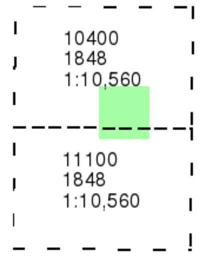
Lancashire And Furness

Published 1848

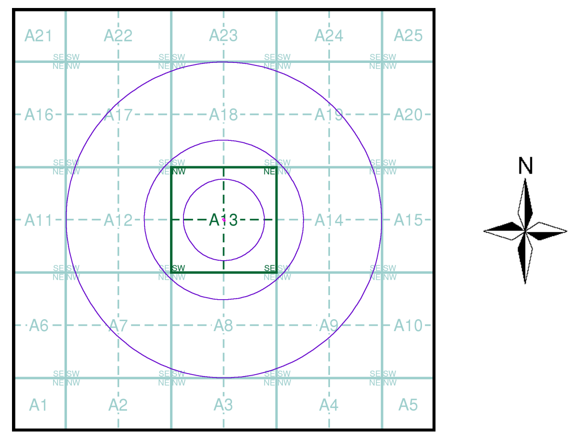
Source map scale - 1:10,560

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

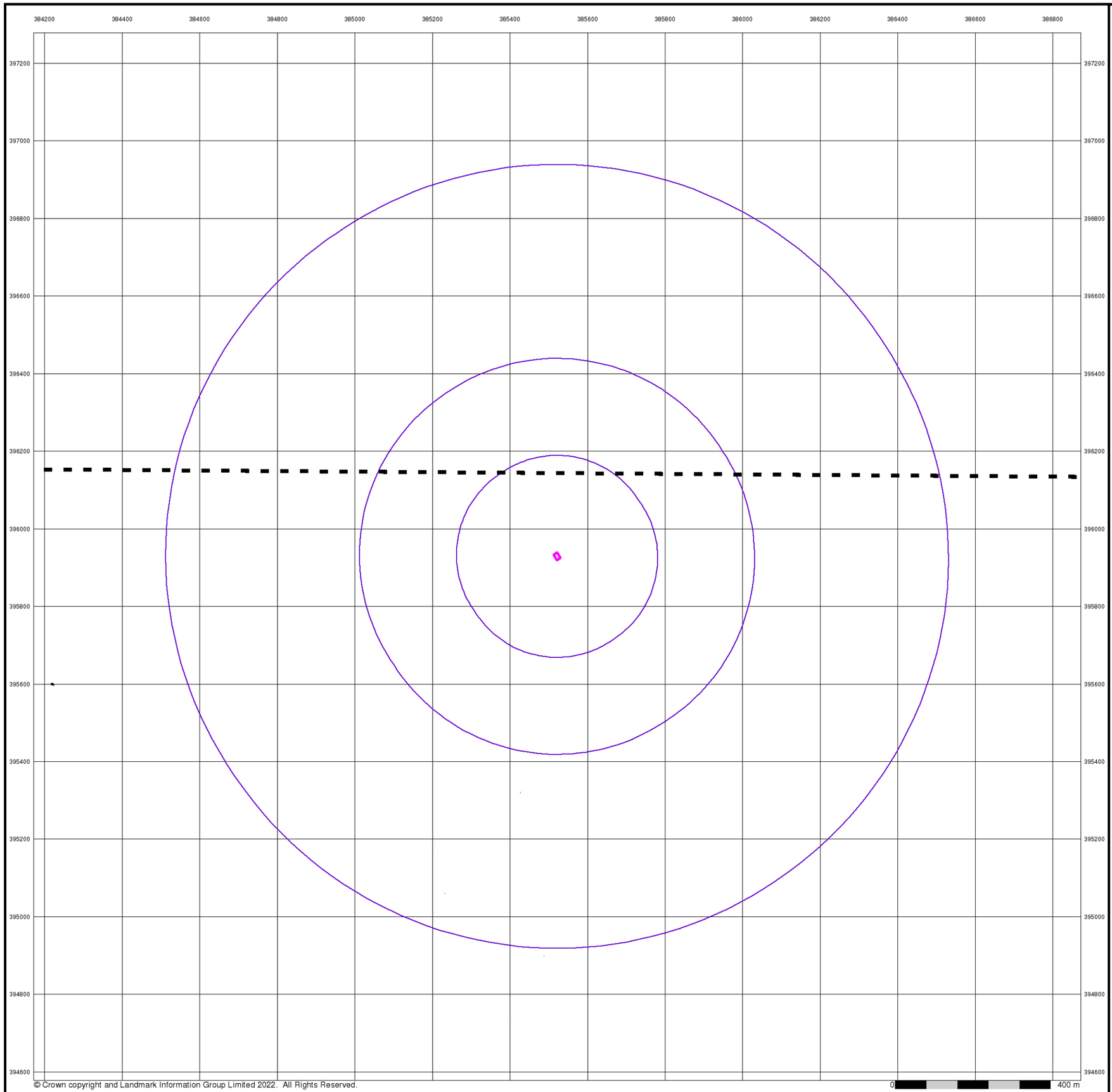
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

0 400 m

Envirocheck®

LANDMARK INFORMATION GROUP®

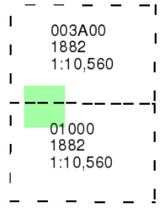
Cheshire

Published 1882

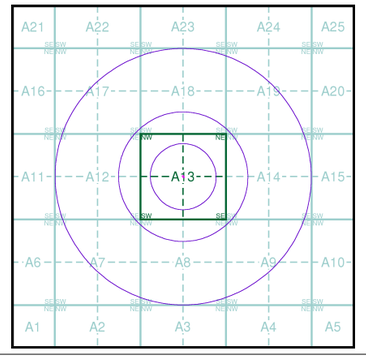
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

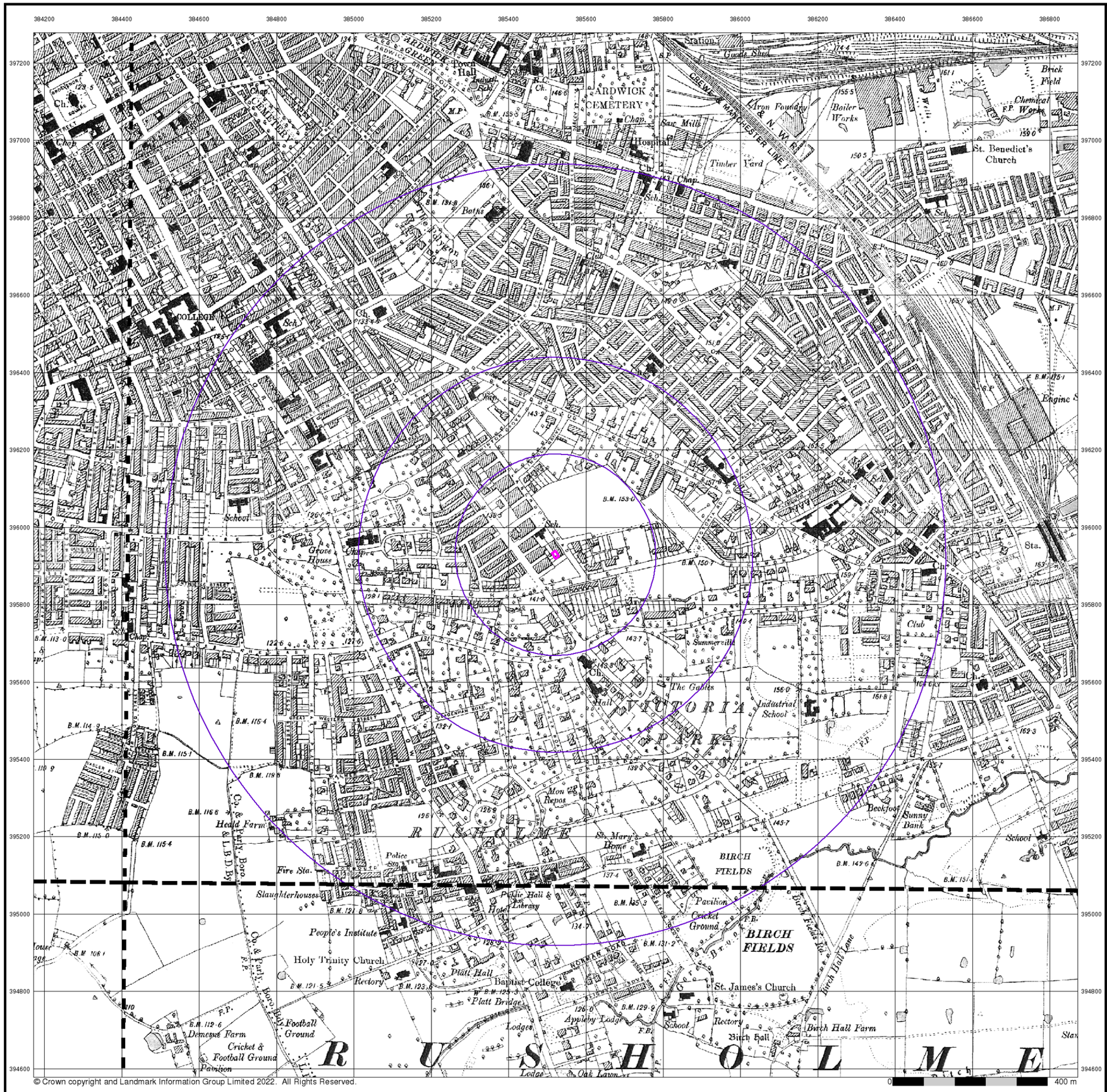
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

Lancashire And Furness

Published 1894 - 1896

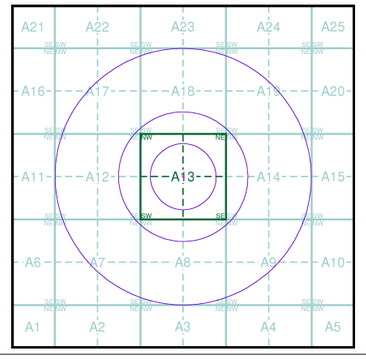
Source map scale - 1:10,560

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)

104SW 1896 1:10,560	104SE 1894 1:10,560
111NW 1894 1:10,560	111NE 1894 1:10,560

Historical Map - Slice A



Order Details

Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

Lancashire And Furness

Published 1908 - 1909

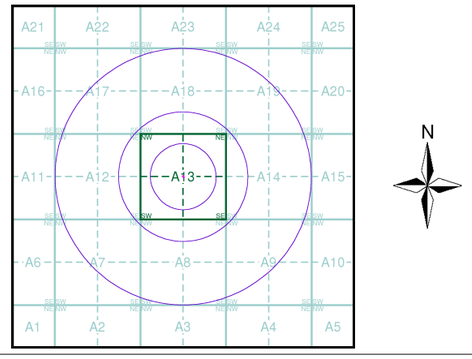
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

104SW 1909 1:10,560	104SE 1909 1:10,560
111NW 1908 1:10,560	111NE 1908 1:10,560

Historical Map - Slice A



Order Details

Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

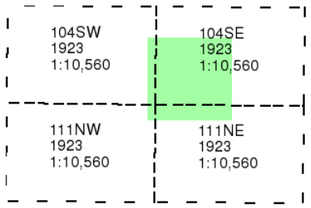
Lancashire And Furness

Published 1923

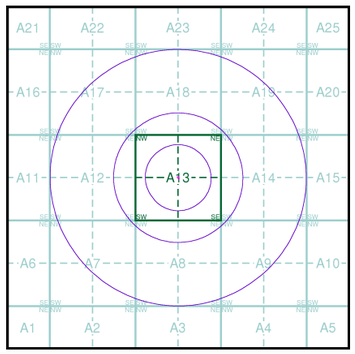
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

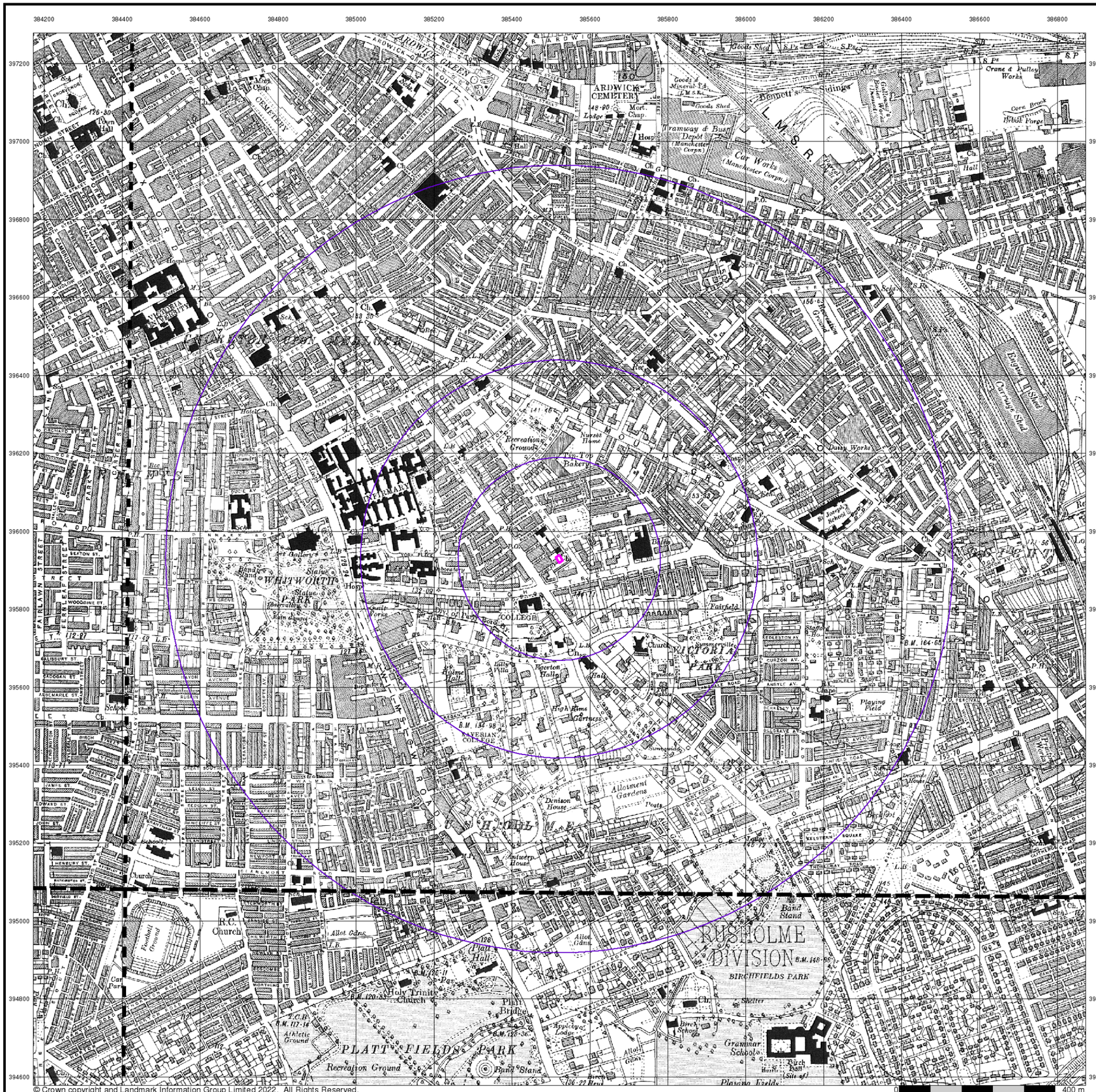
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

Lancashire And Furness

Published 1932 - 1934

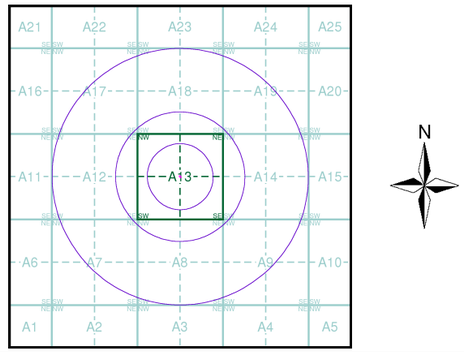
Source map scale - 1:10,560

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)

104SW 1932 1:10,560	104SE 1933 1:10,560
111NW 1934 1:10,560	111NE 1934 1:10,560

Historical Map - Slice A



Order Details

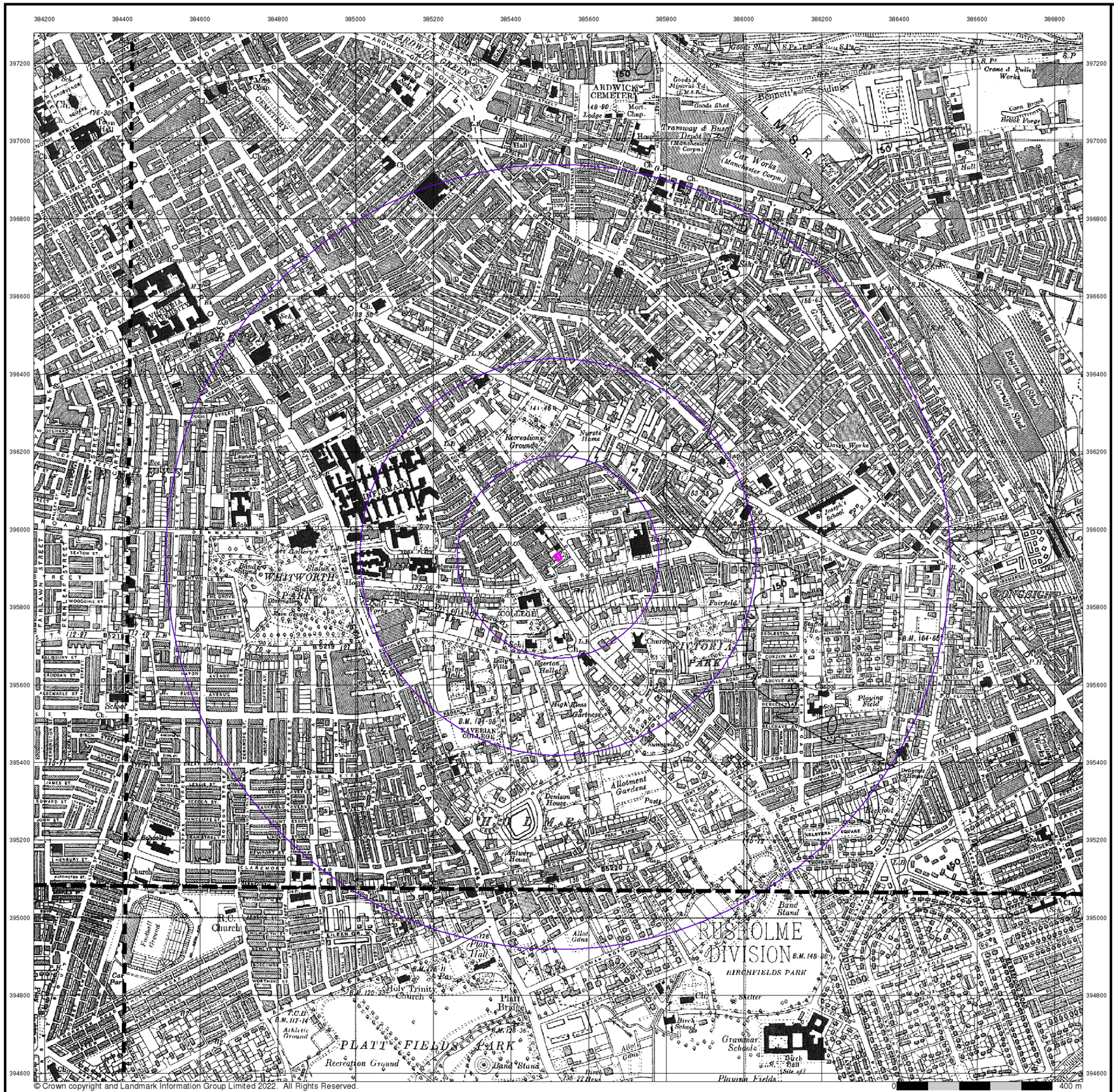
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

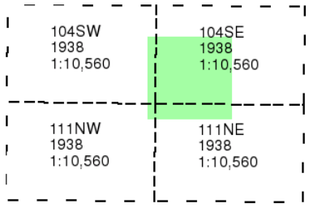
Lancashire And Furness

Published 1938

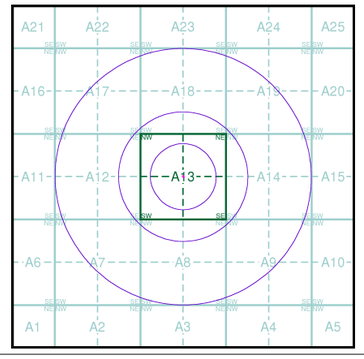
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

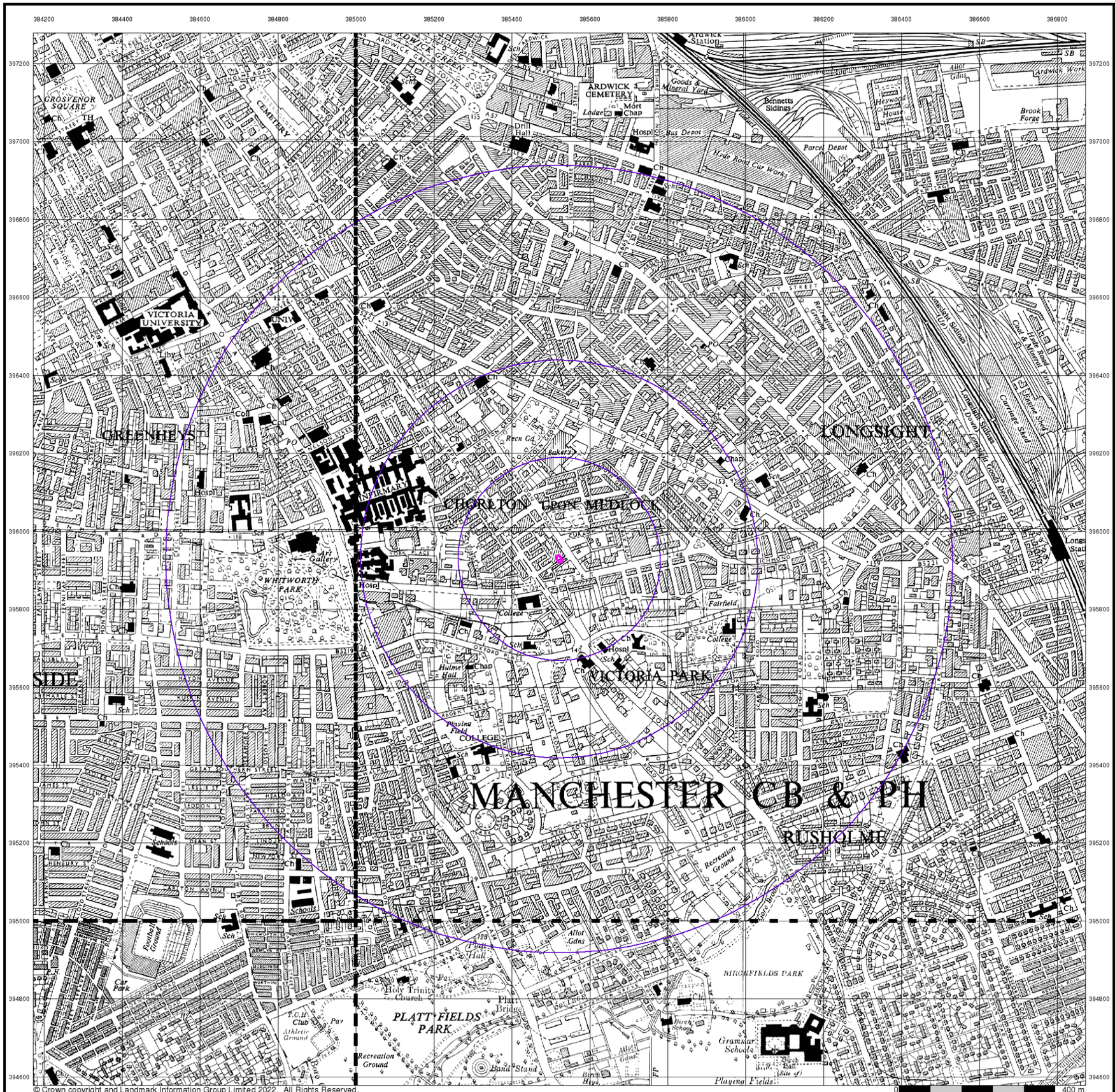
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

Ordnance Survey Plan

Published 1955 - 1956

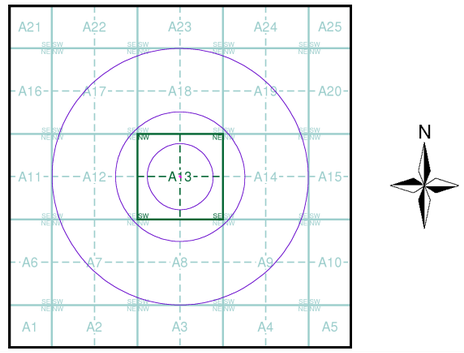
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SJ89NW 1956 1:10,560	SJ89NE 1956 1:10,560
SJ89SW 1955 1:10,560	SJ89SE 1955 1:10,560

Historical Map - Slice A



Order Details

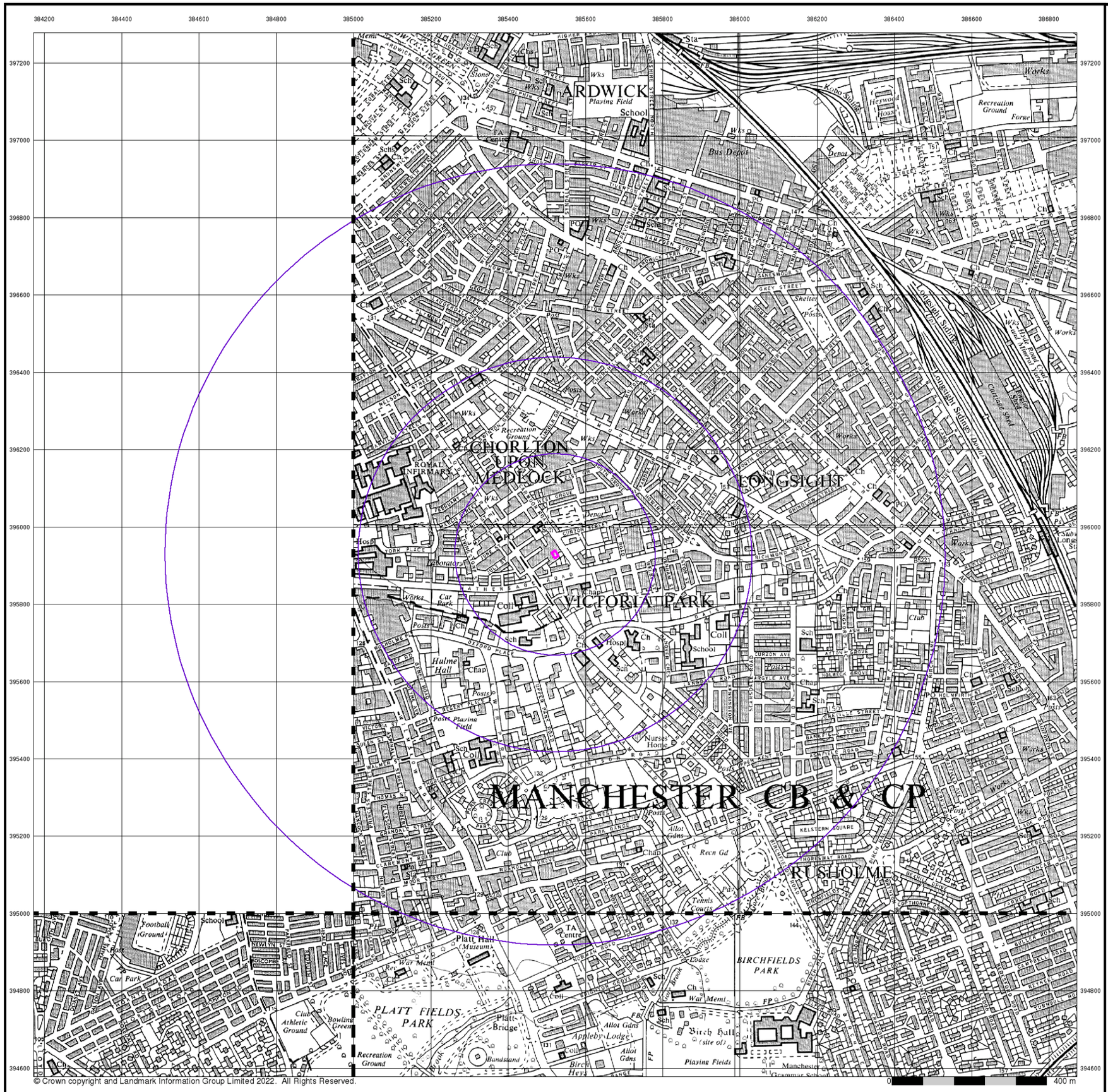
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

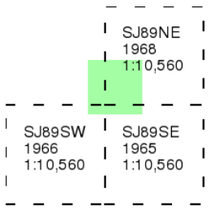
Ordnance Survey Plan

Published 1965 - 1968

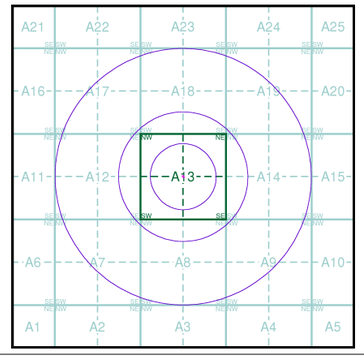
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



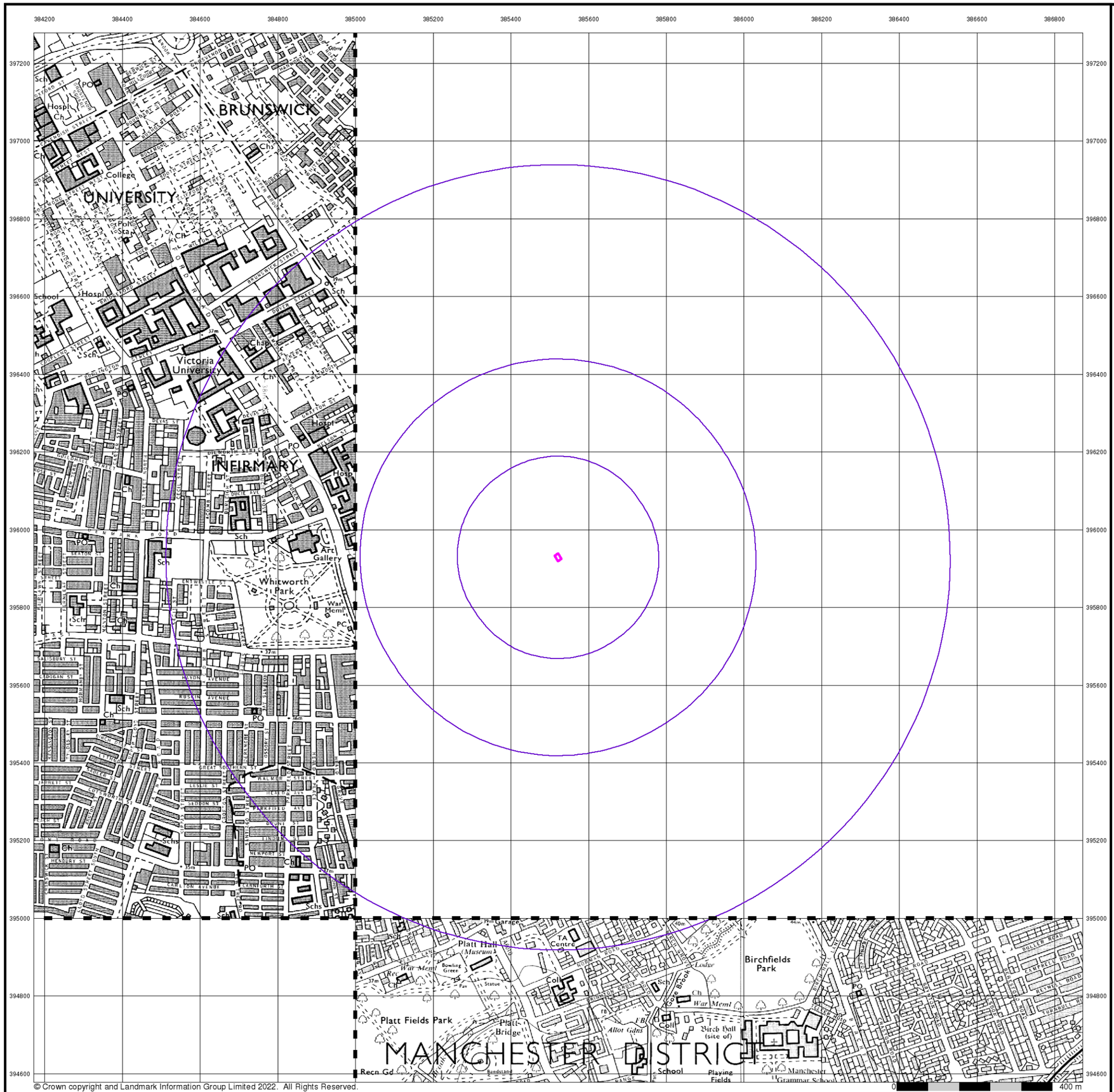
Order Details

Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

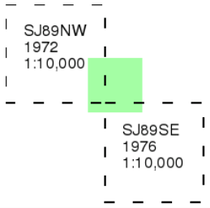
Ordnance Survey Plan

Published 1972 - 1976

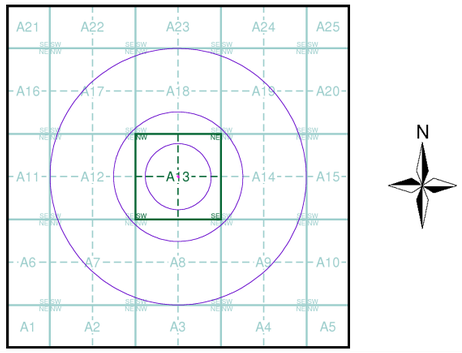
Source map scale - 1:10,000

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

Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Copyright Landmark Information Group Ltd. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

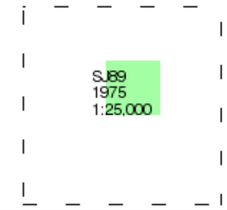
Manchester

Published 1975

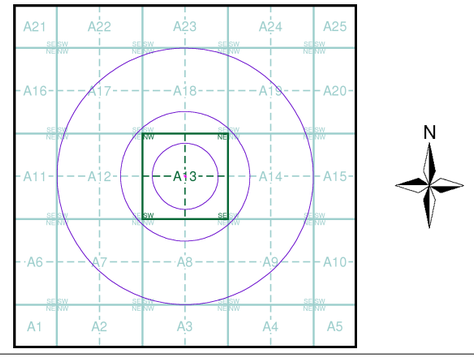
Source map scale - 1:25,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

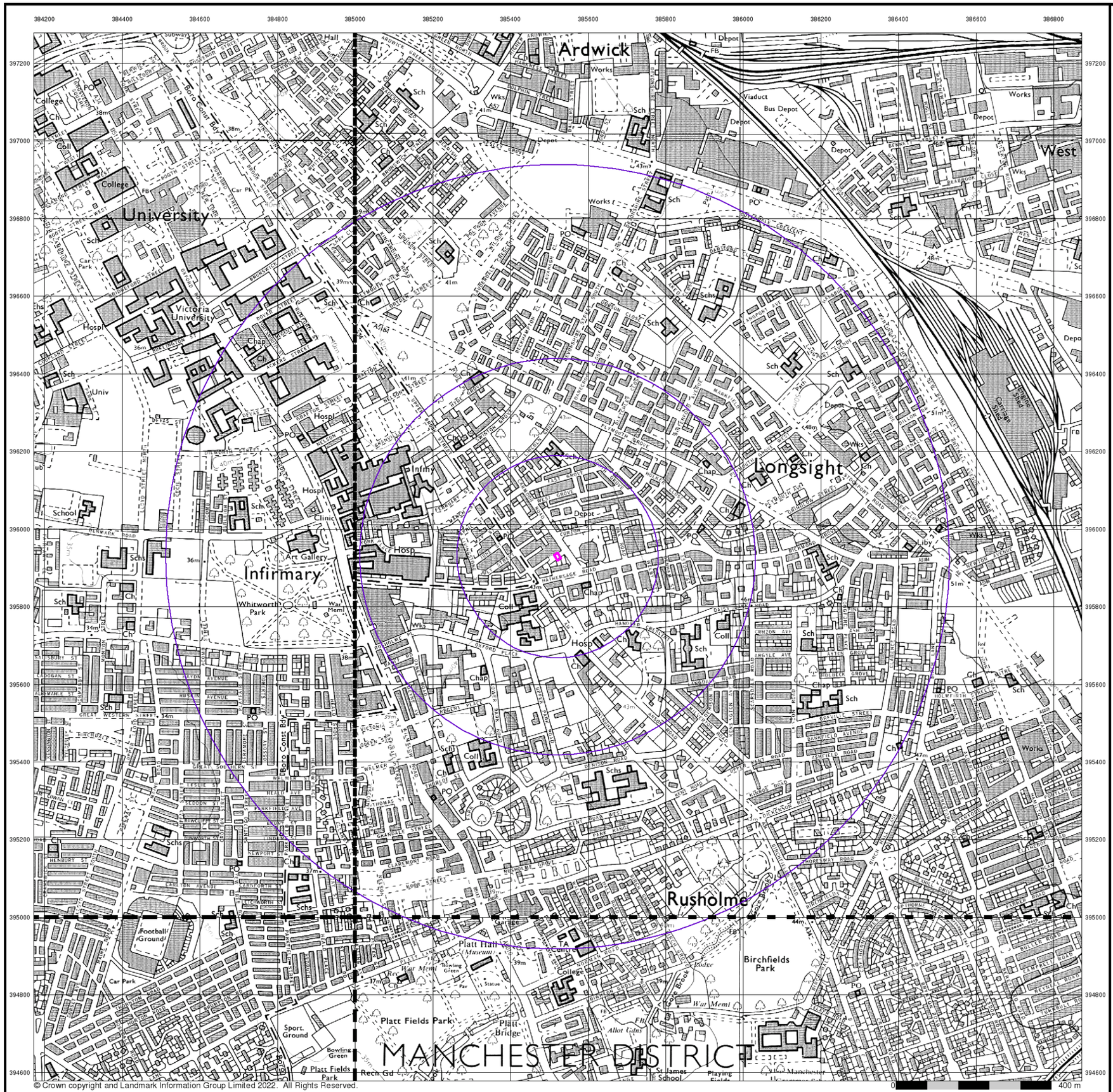
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

Ordnance Survey Plan

Published 1980 - 1985

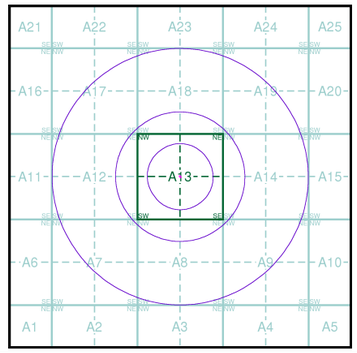
Source map scale - 1:10,000

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)

SJ89NW 1980 1:10,000	SJ89NE 1981 1:10,000
SJ89SW 1981 1:10,000	SJ89SE 1985 1:10,000

Historical Map - Slice A



Order Details

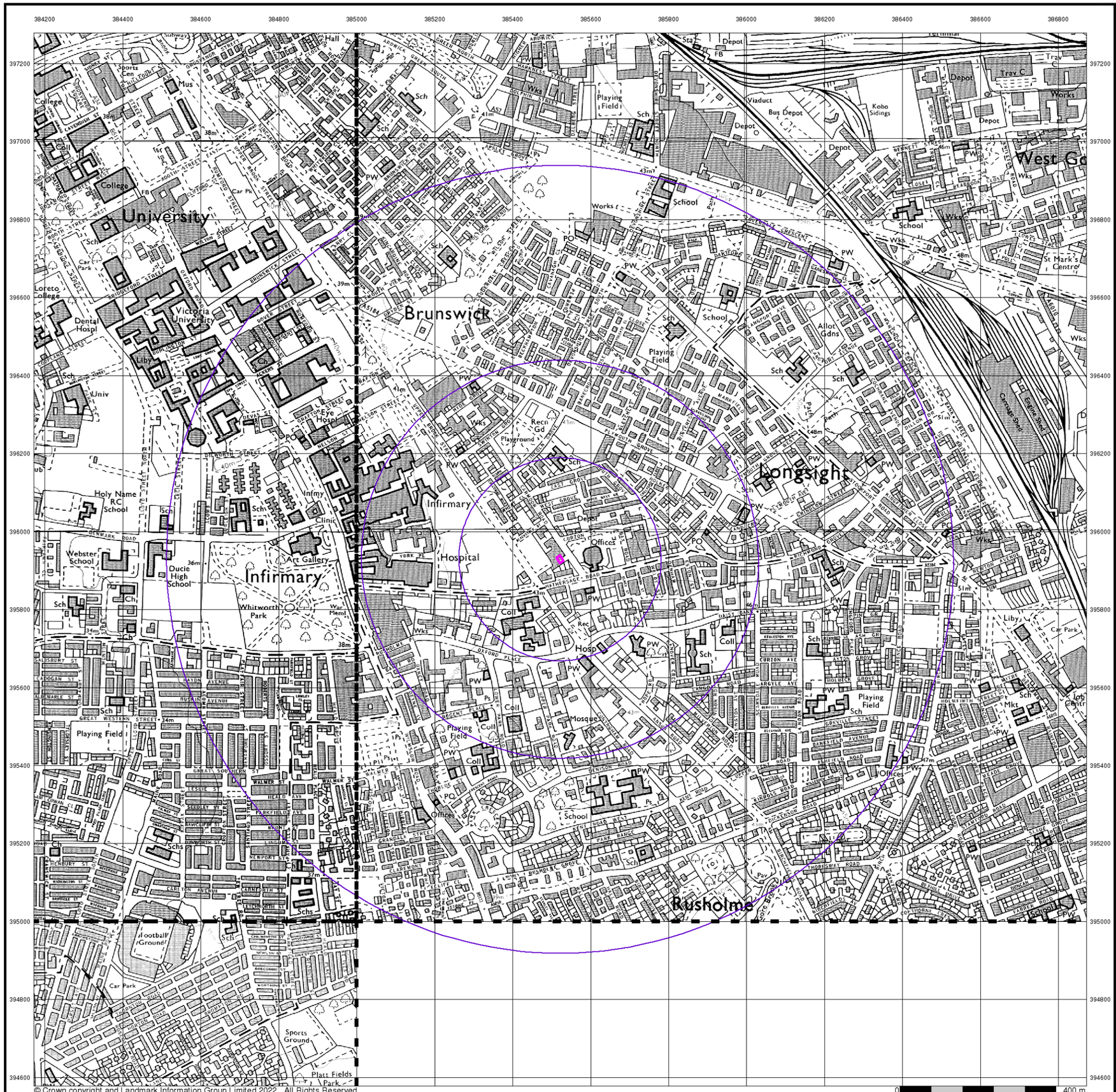
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

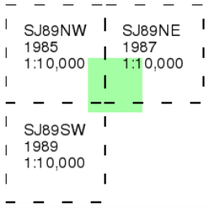
Ordnance Survey Plan

Published 1985 - 1989

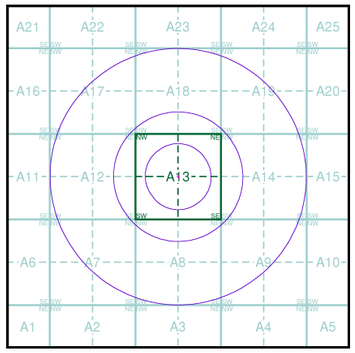
Source map scale - 1:10,000

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

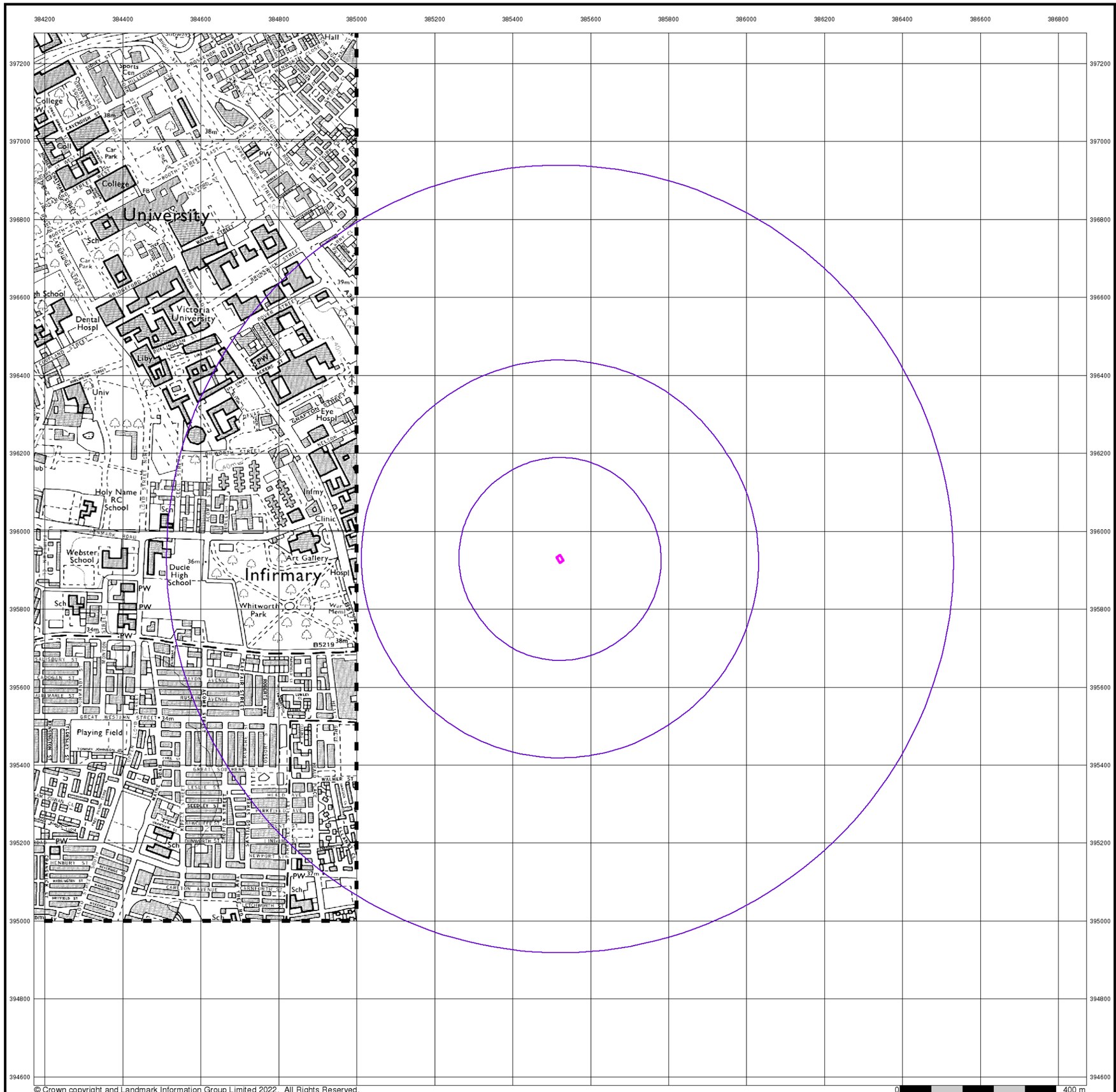
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

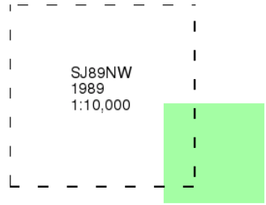
Ordnance Survey Plan

Published 1989

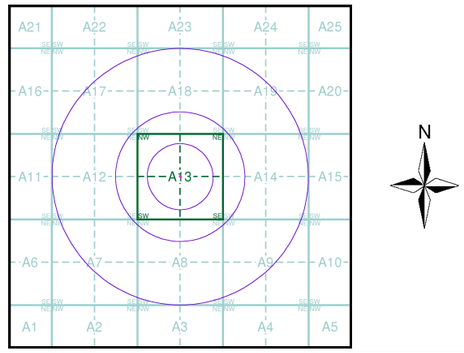
Source map scale - 1:10,000

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

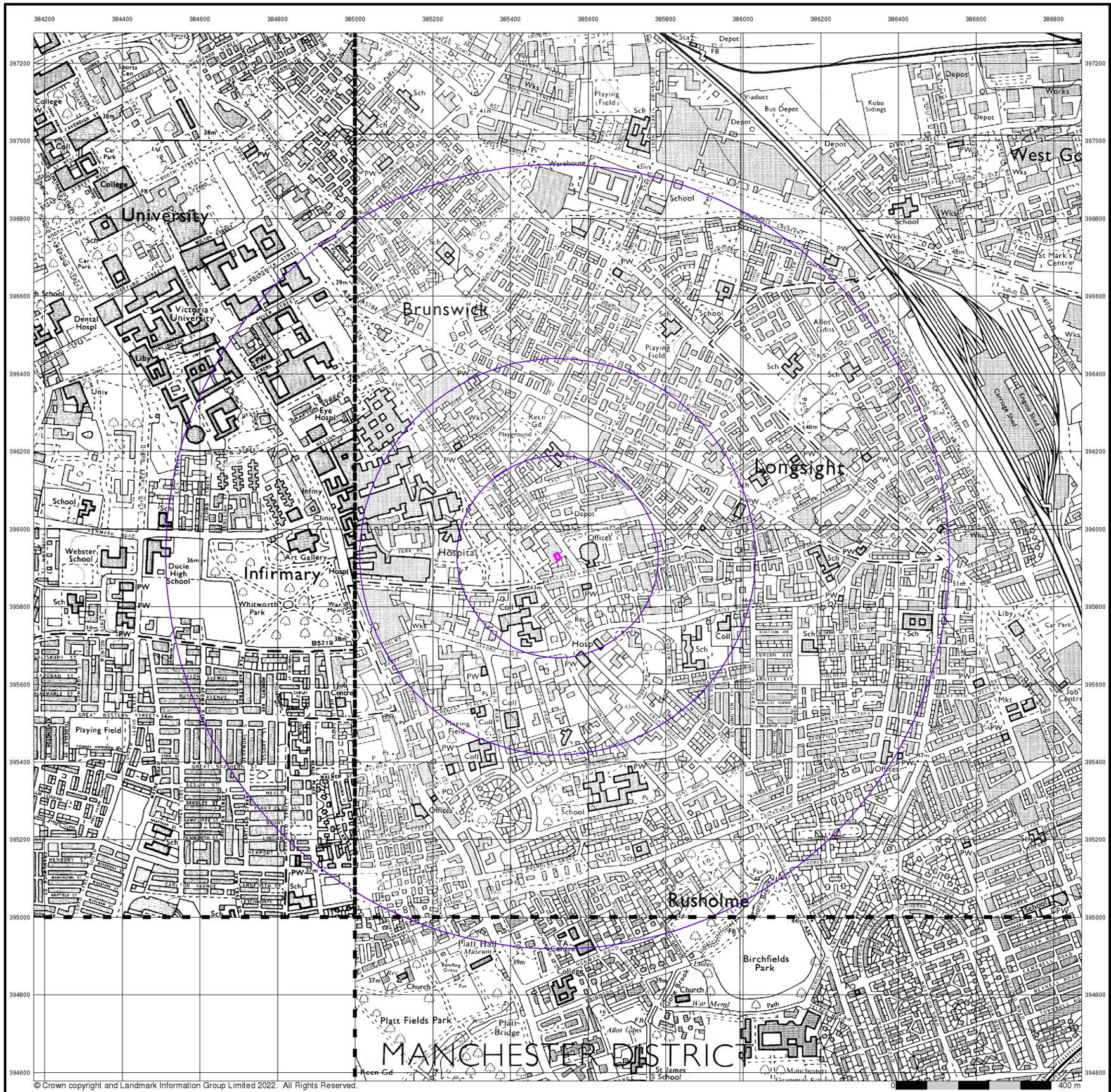
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2022. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

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.

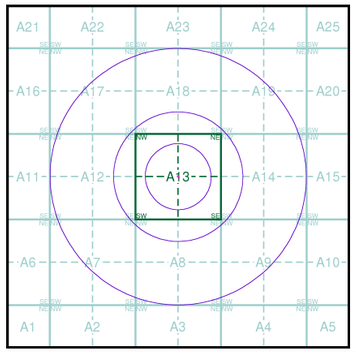
Map Name(s) and Date(s)

SJ89NW 1994 1:10,000

SJ89NE 1993 1:10,000

SJ89SE 1990 1:10,000

Historical Map - Slice A



Order Details

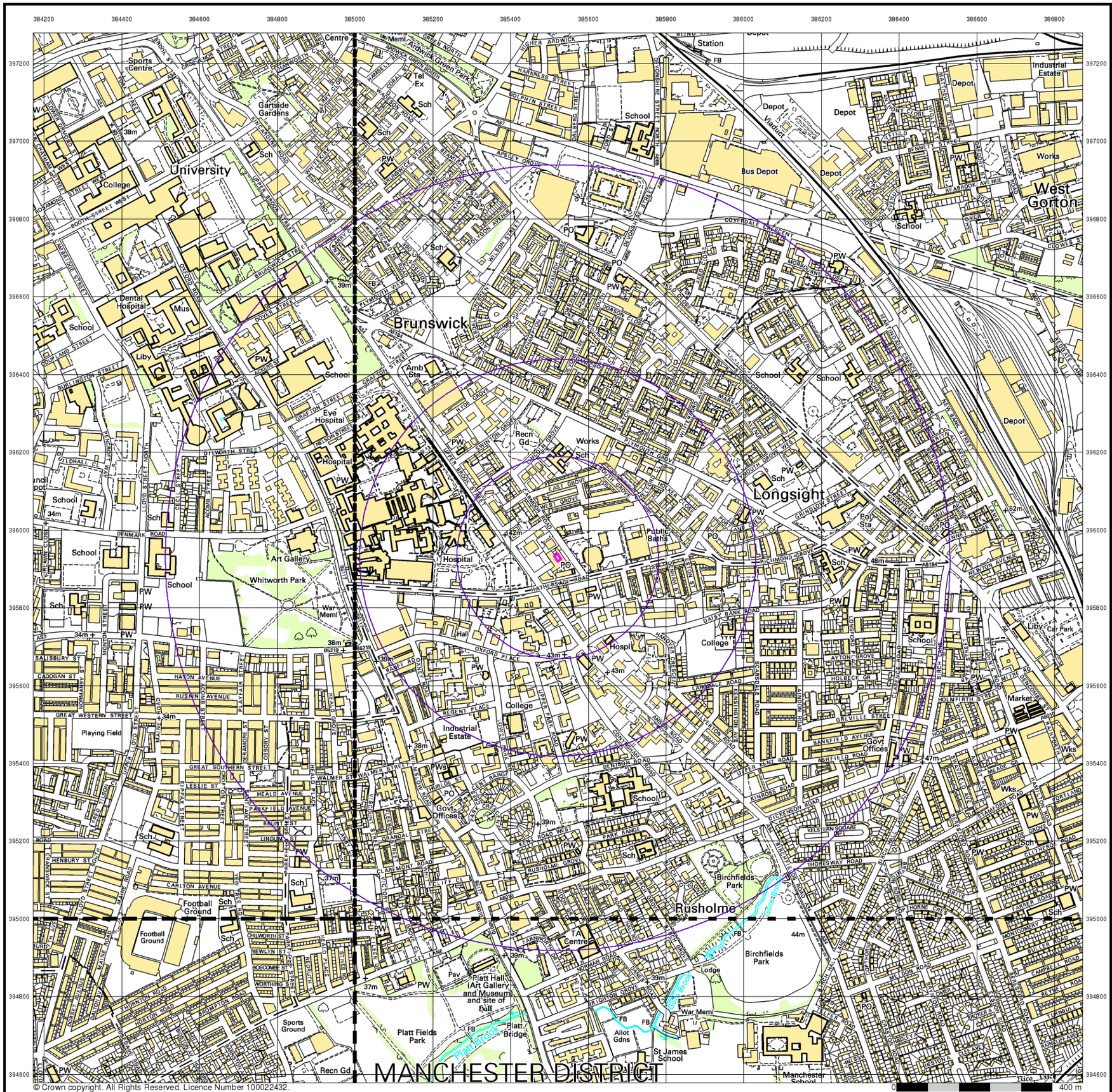
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

10k Raster Mapping

Published 1999

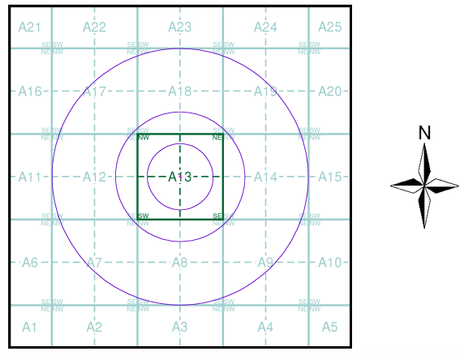
Source map scale - 1:10,000

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)

SJ89NW 1999 1:10,000	SJ89NE 1999 1:10,000
SJ89SW 1999 1:10,000	SJ89SE 1999 1:10,000

Historical Map - Slice A



Order Details

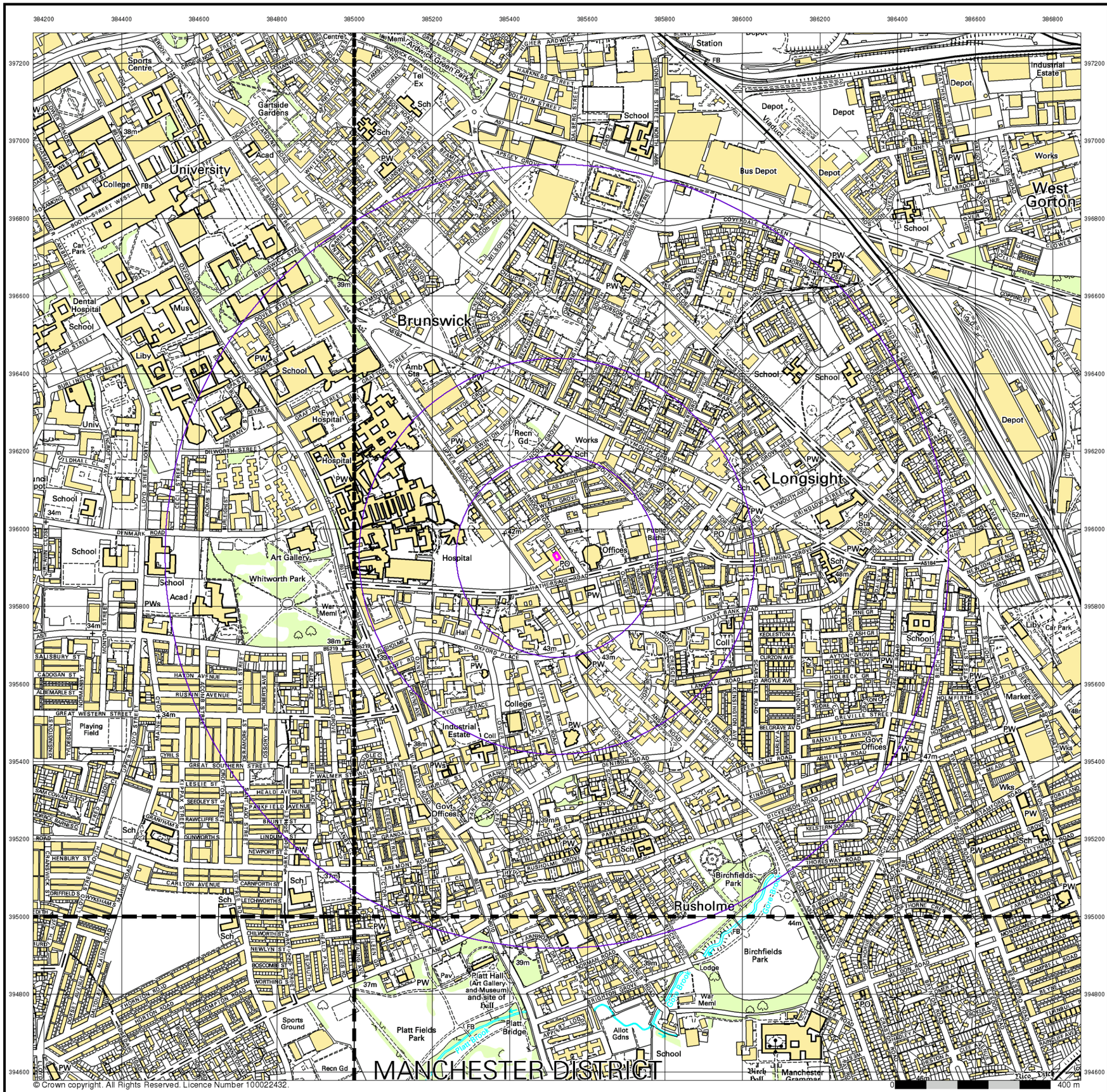
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright. All Rights Reserved. Licence Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

10k Raster Mapping

Published 2006

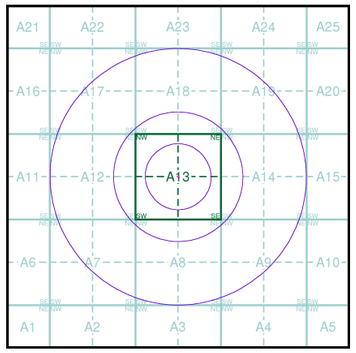
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SJ89NW 2006 1:10,000	SJ89NE 2006 1:10,000
SJ89SW 2006 1:10,000	SJ89SE 2006 1:10,000

Historical Map - Slice A



Order Details

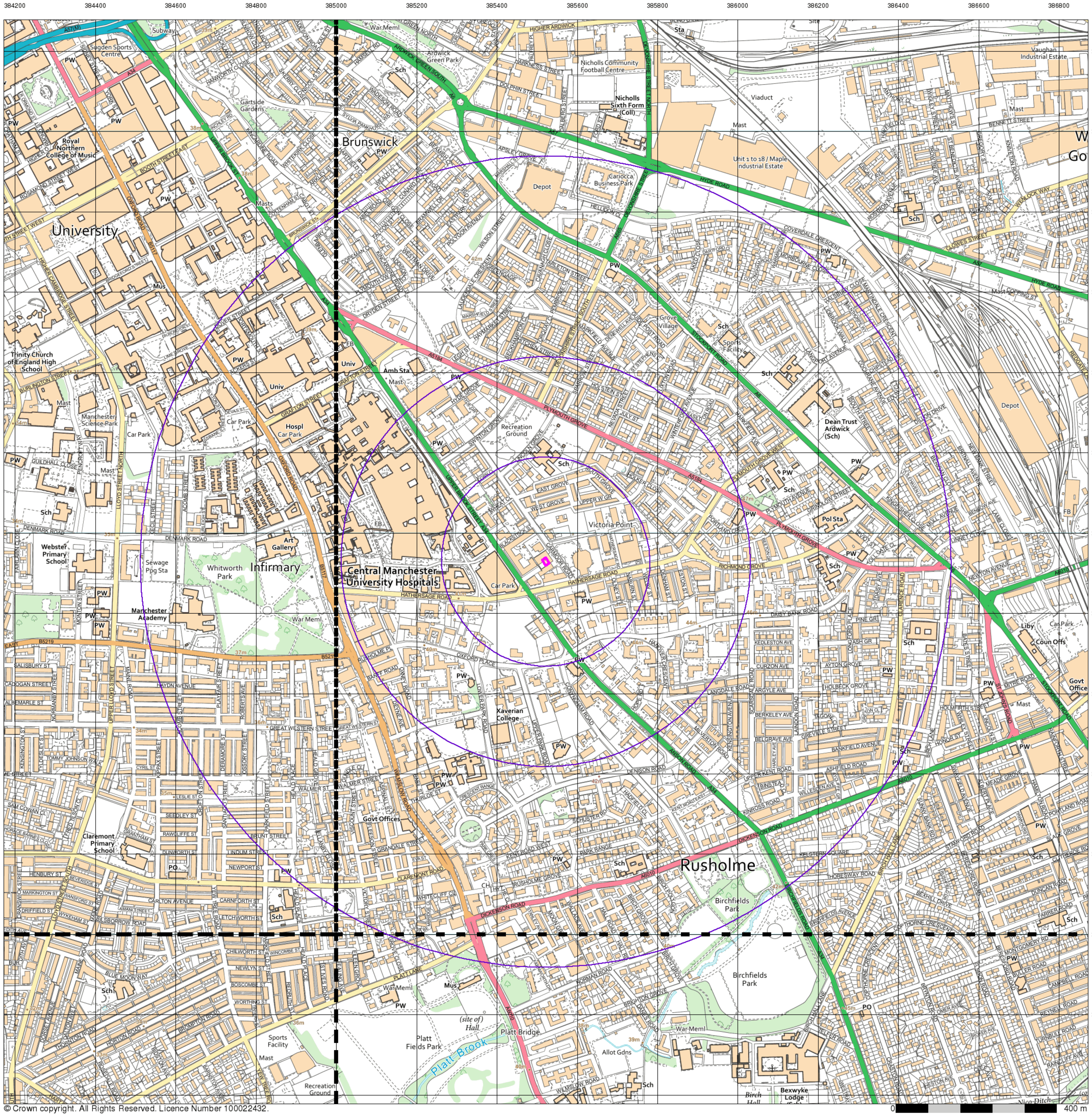
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown copyright. All Rights Reserved. Licence Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

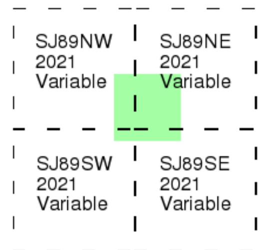
VectorMap Local

Published 2021

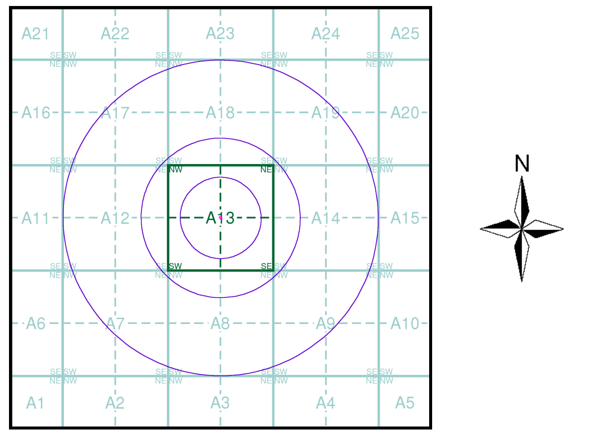
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

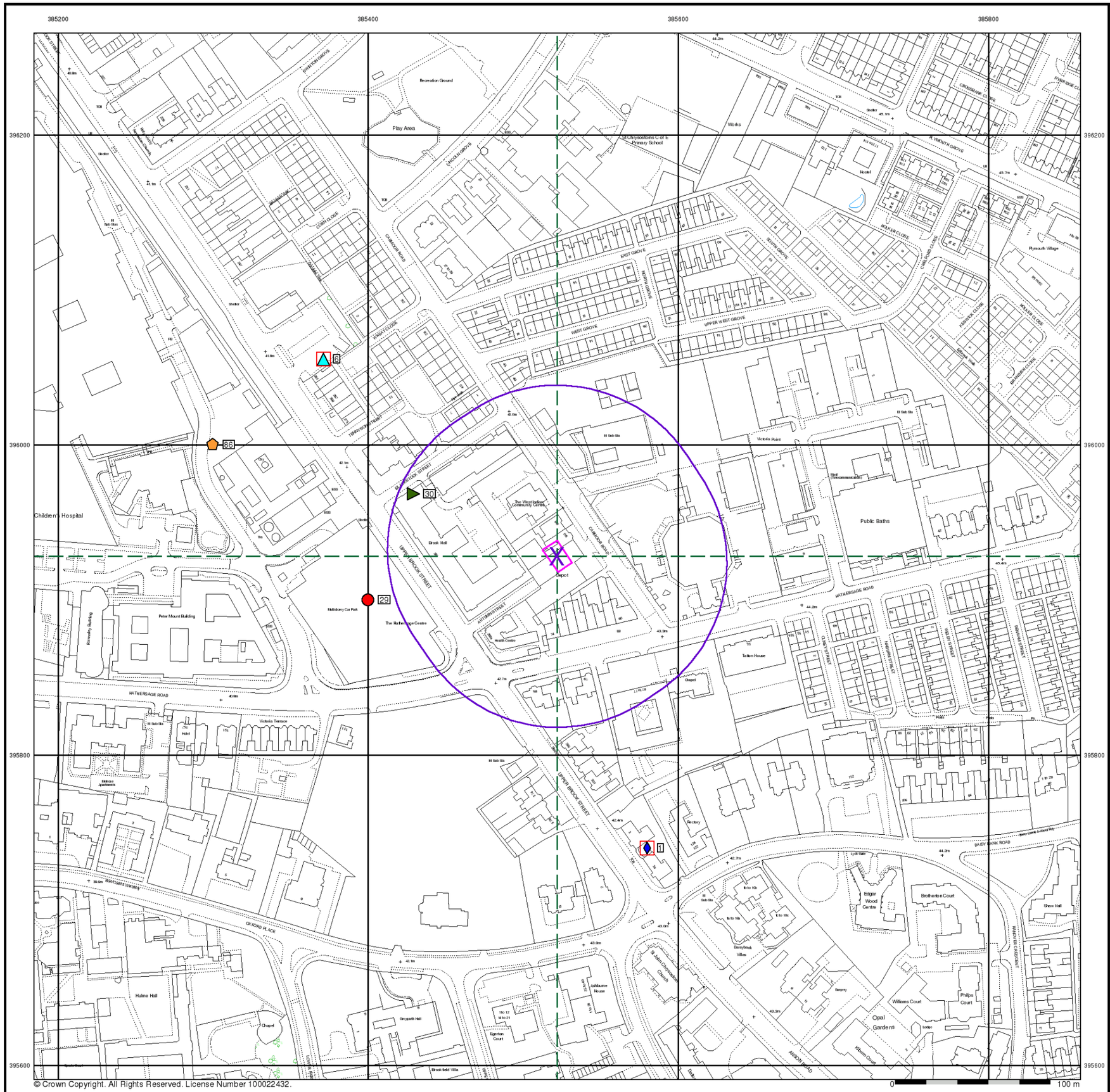
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

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

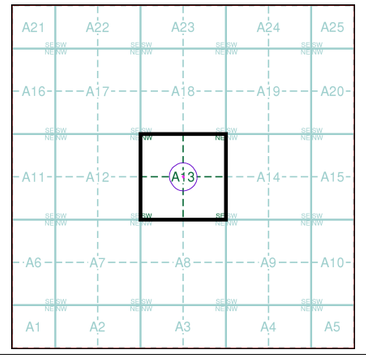
Geological

- 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

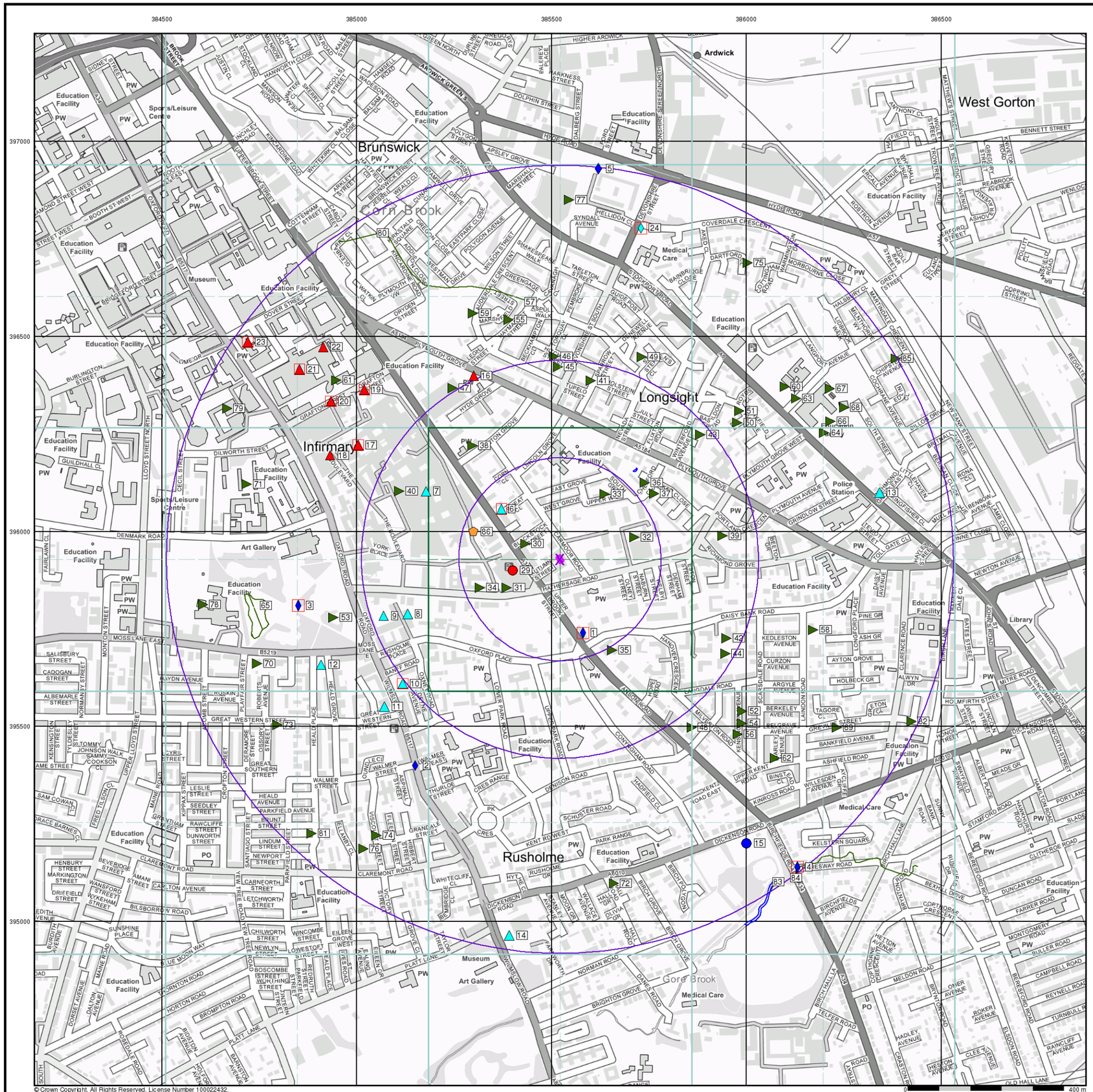
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Plot Buffer (m):	100

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

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

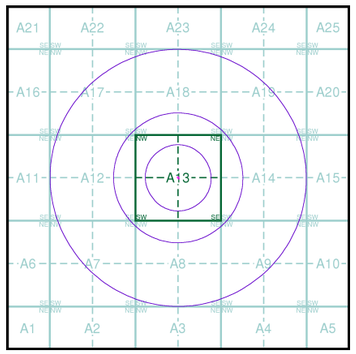
Geological

- 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

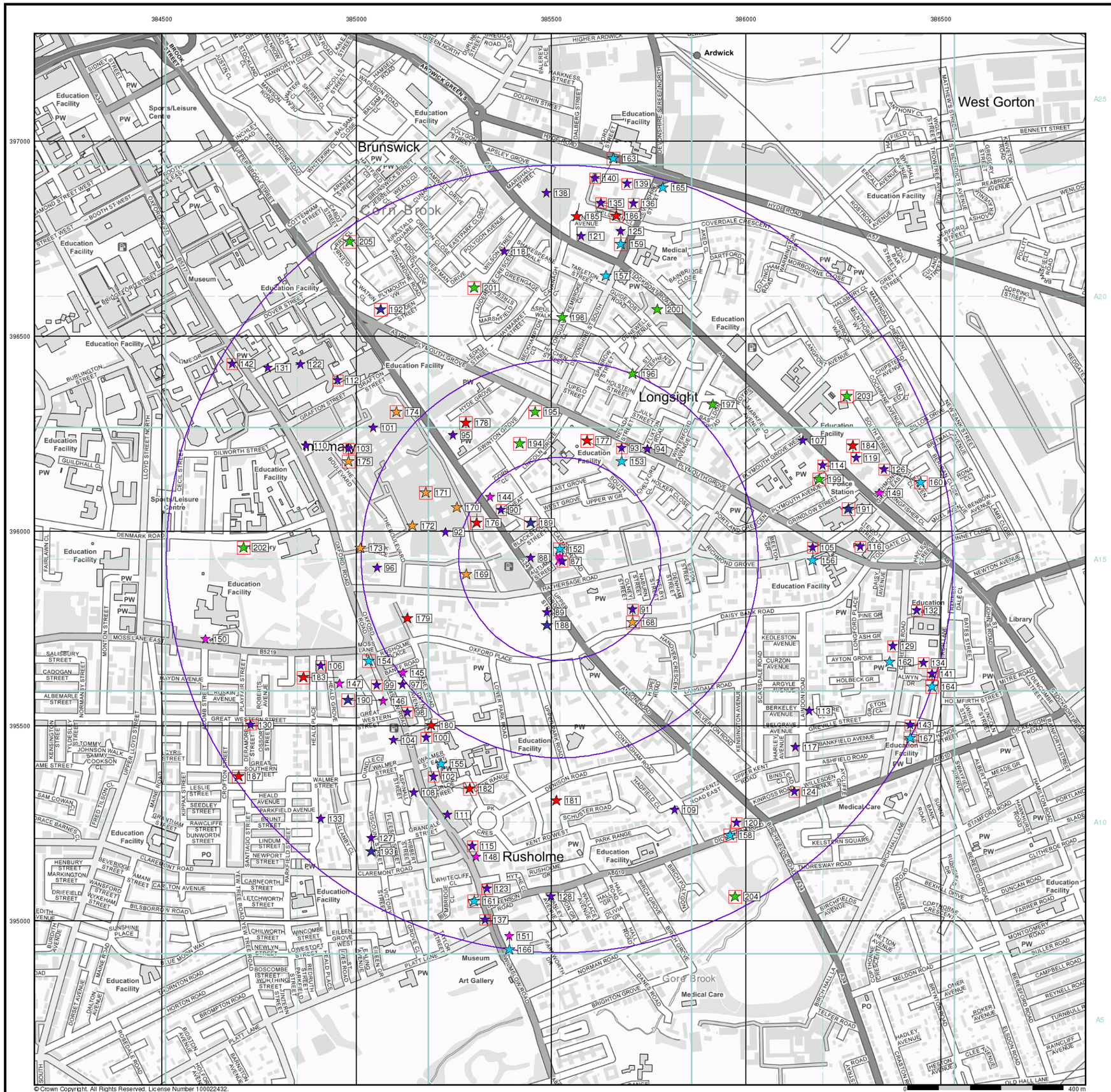
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

Industrial Land Use Map

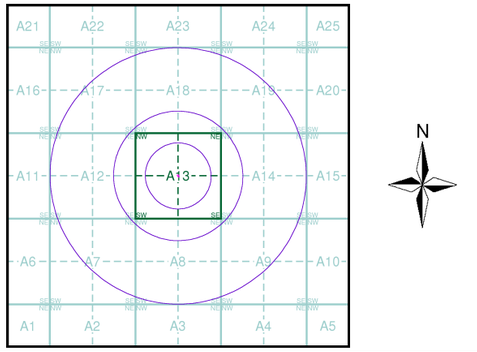
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

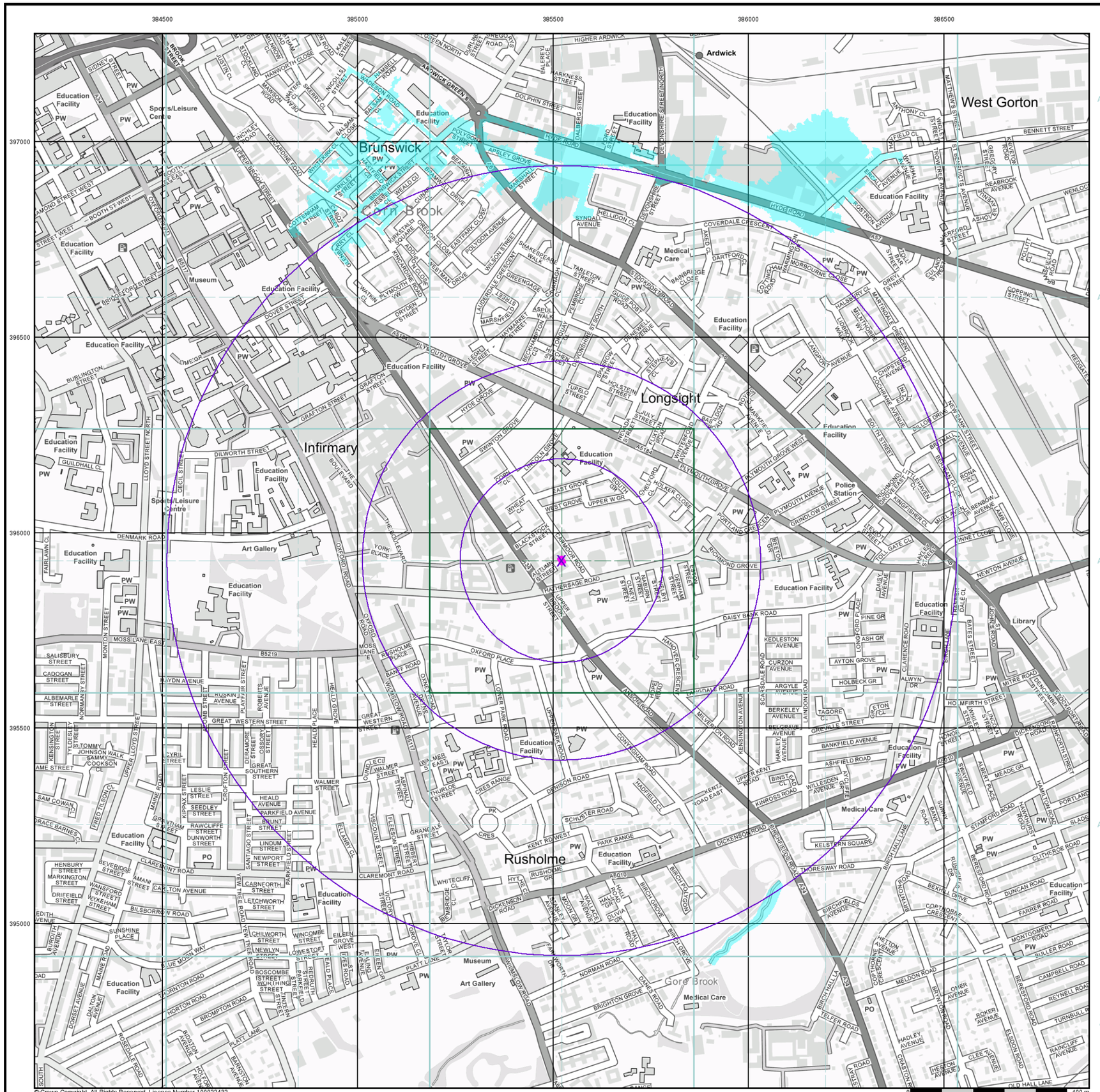
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

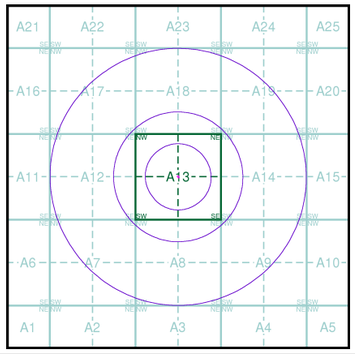
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

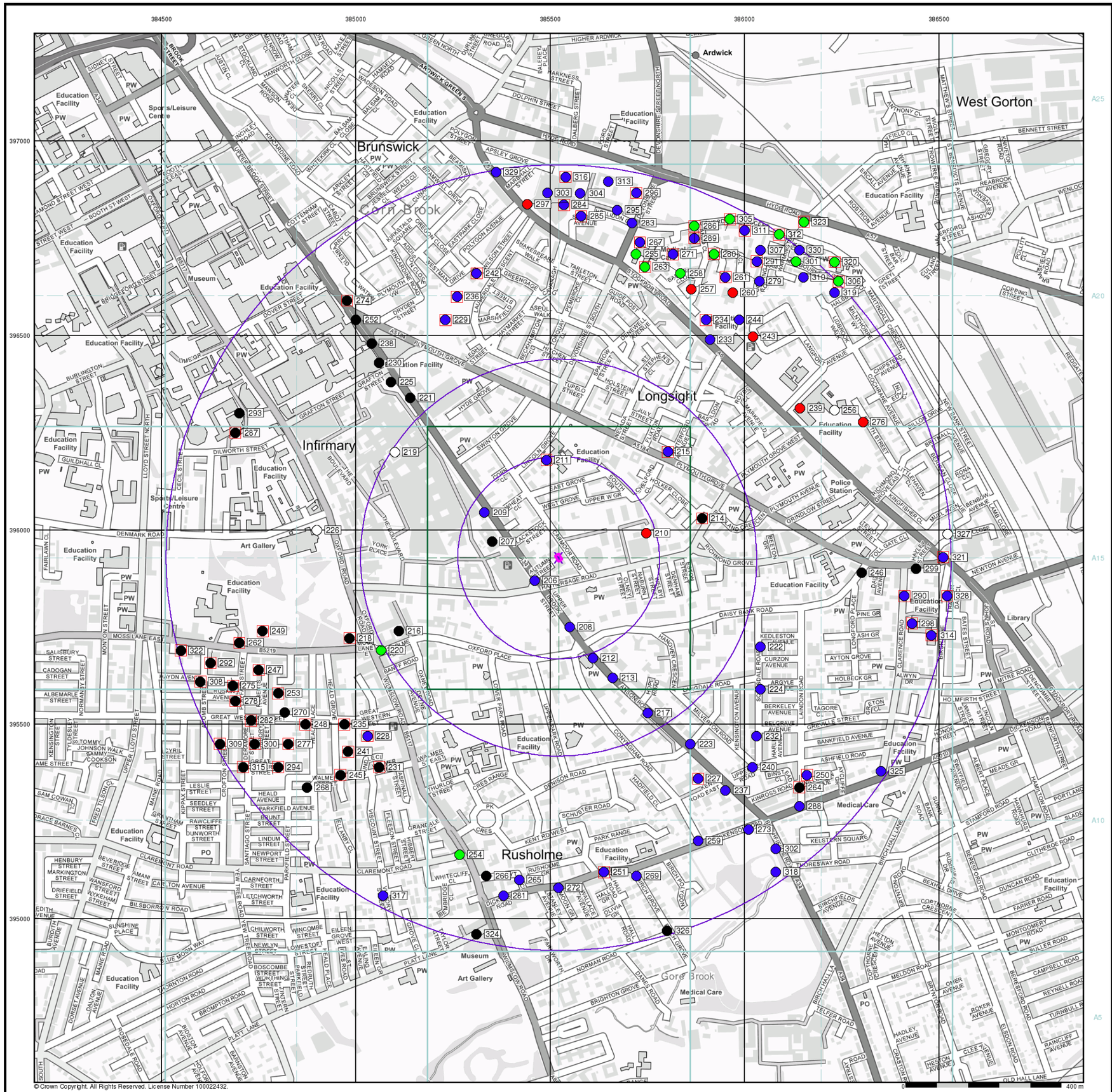
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

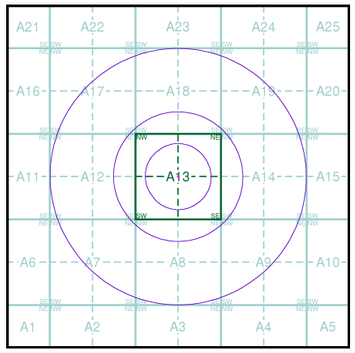
Agency and Hydrological (Boreholes)

- 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

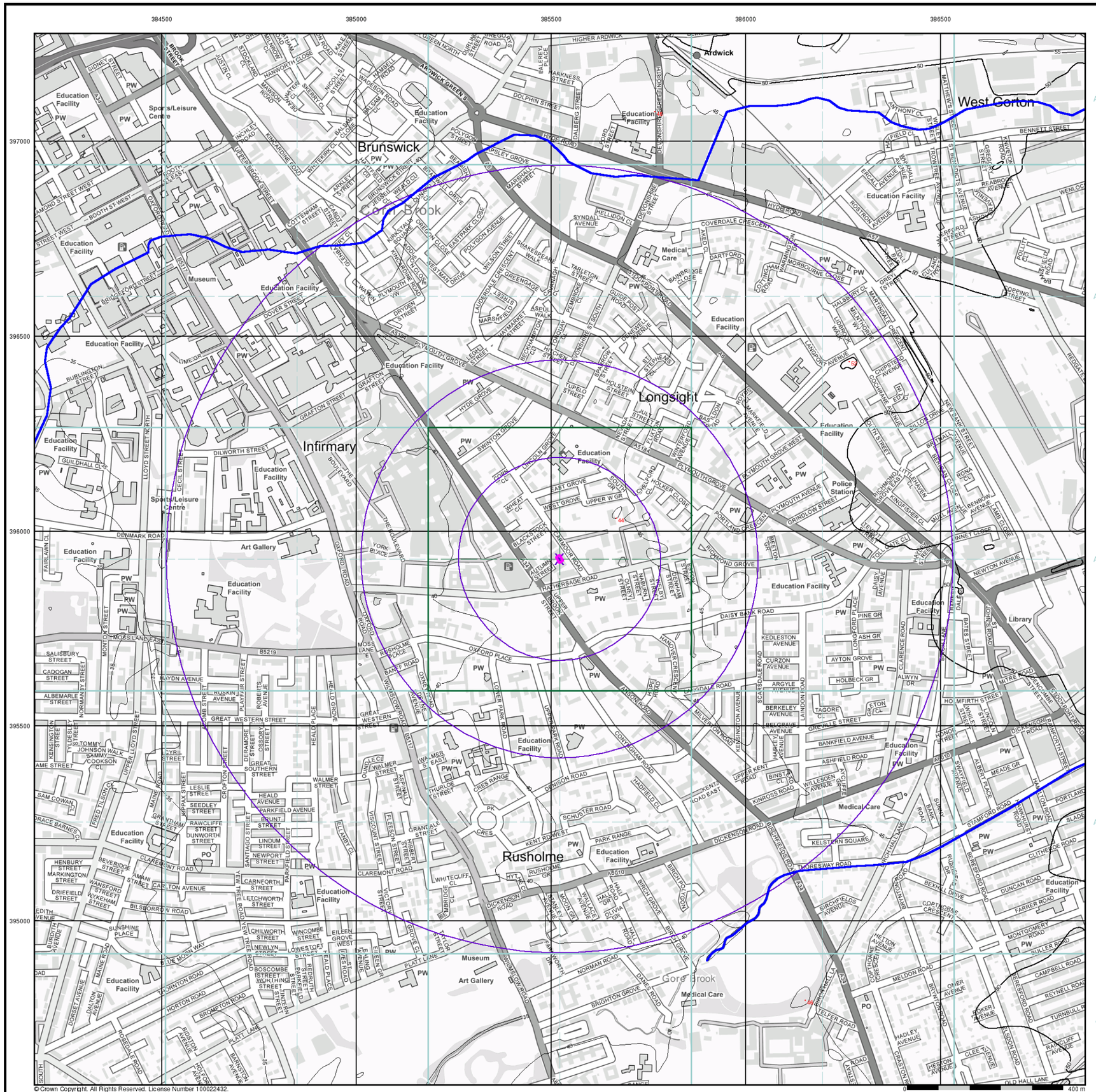
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

OS Water Network Data

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

Contours (height in meters)

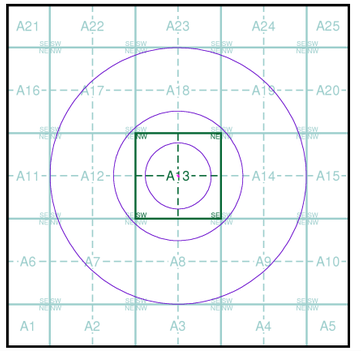
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

Risk of Flooding from Surface Water

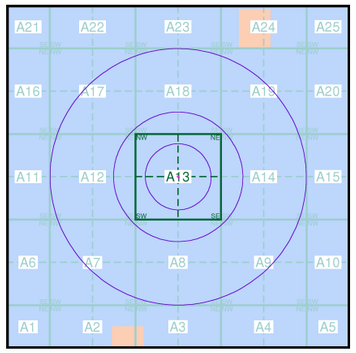
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

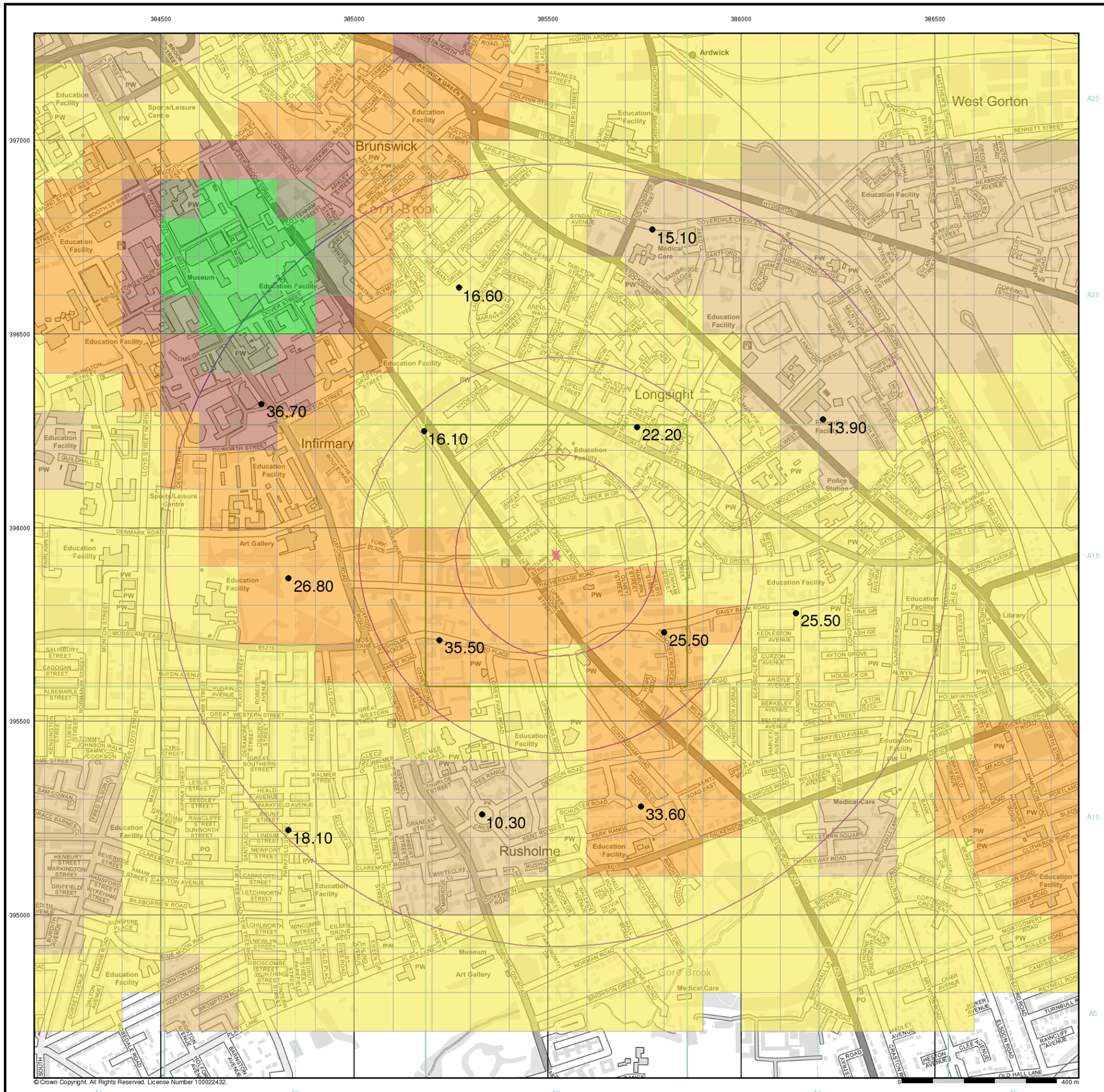
Order Number:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

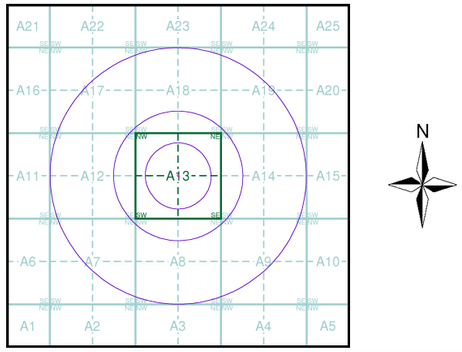
Urban Soil Chemistry Arsenic

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

Arsenic Concentrations mg/kg

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

Urban Soil Chemistry Arsenic - Slice A



Order Details

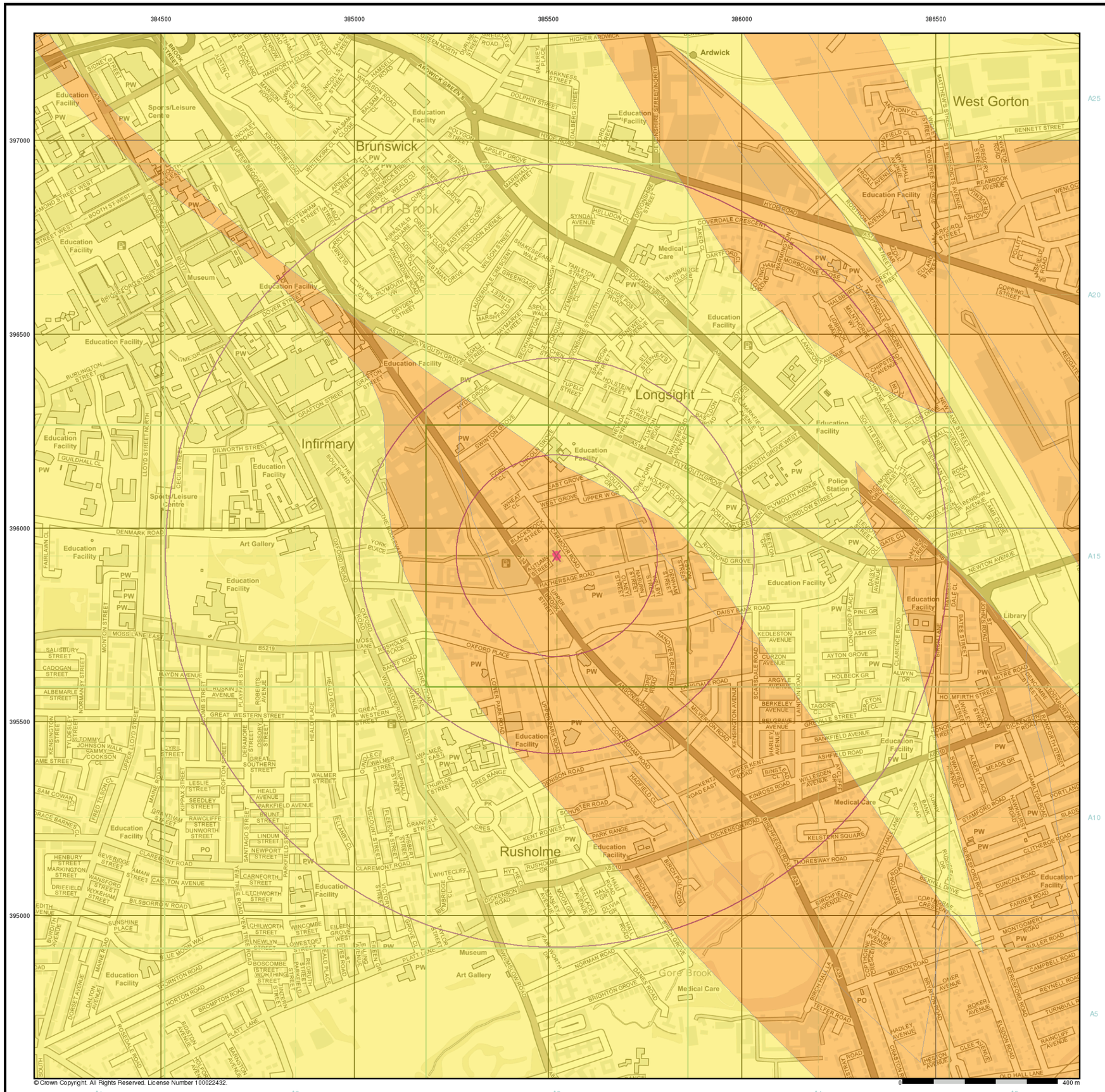
Order Details:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

General

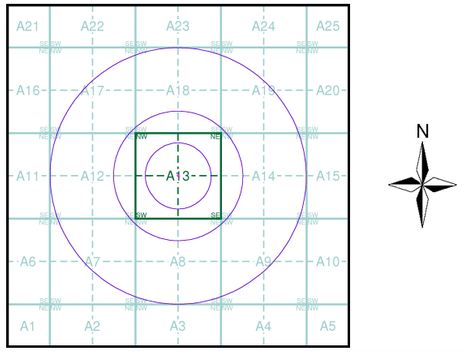
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

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

Estimated Soil Chemistry Arsenic - Slice A



Order Details

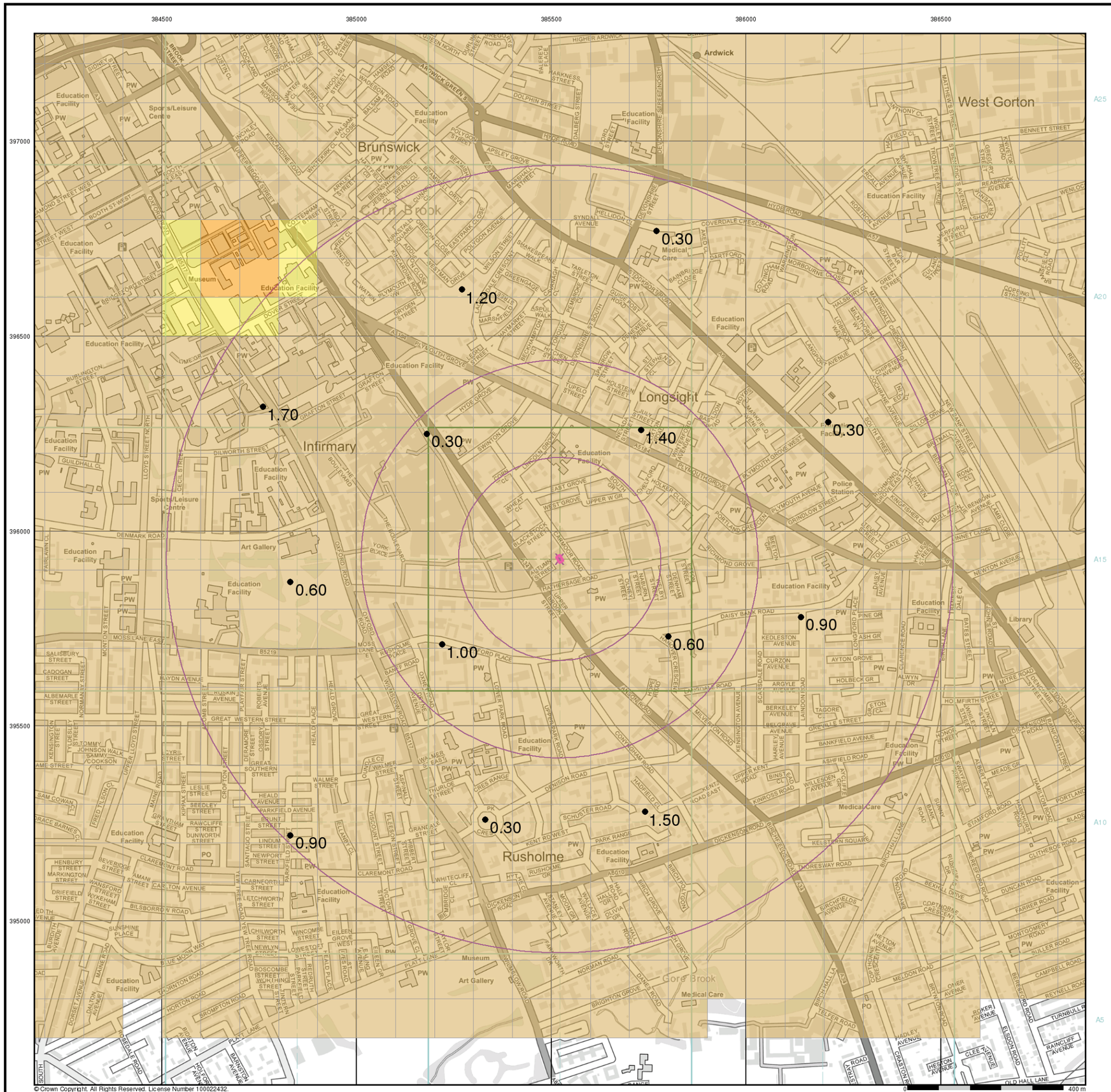
Order Details:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

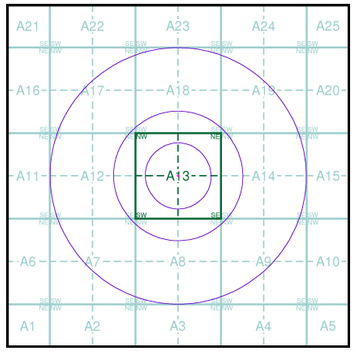
Urban Soil Chemistry Cadmium

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

Cadmium Concentrations mg/kg

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

Urban Soil Chemistry Cadmium - Slice A

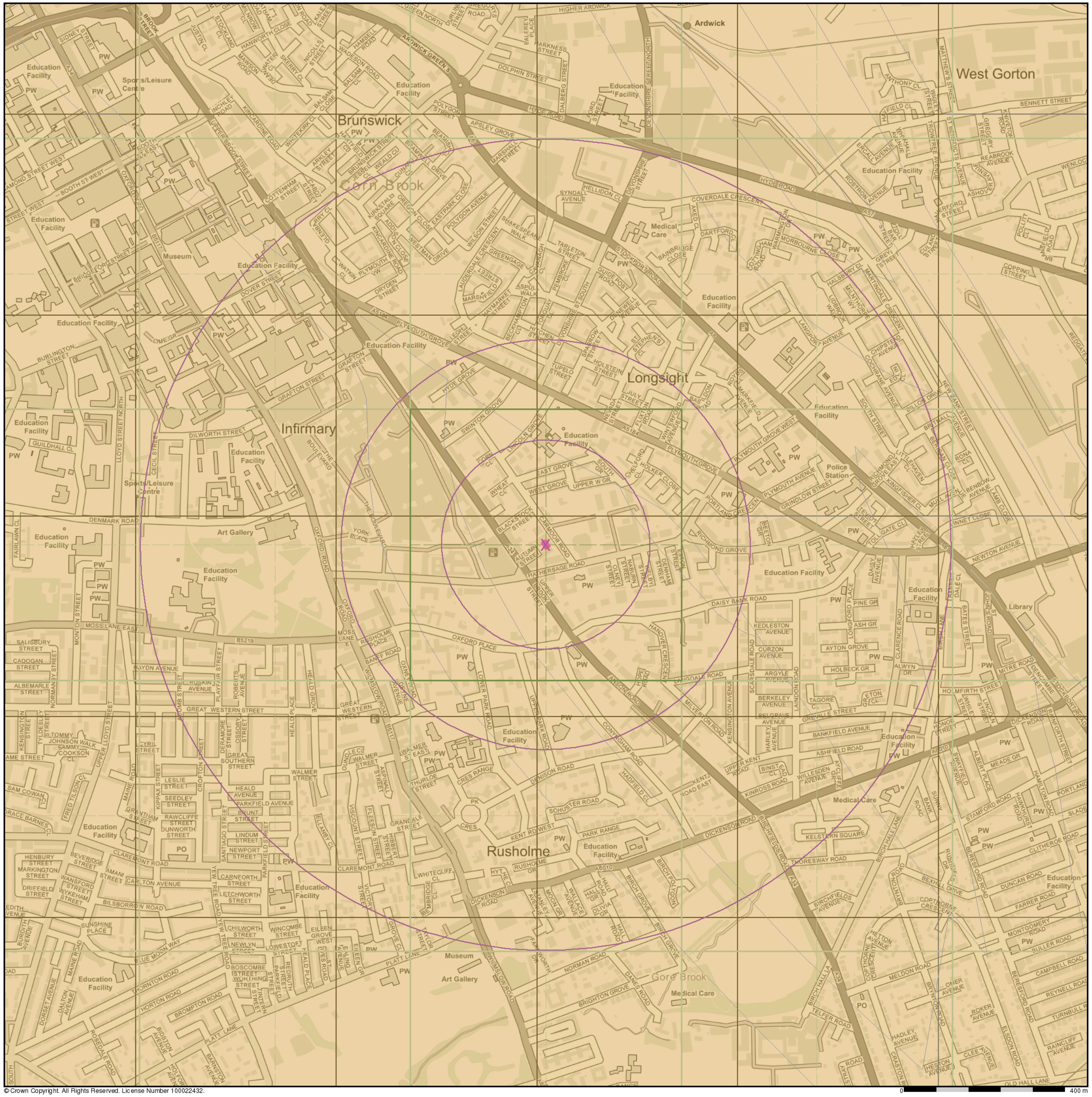


Order Details

Order Details:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

General

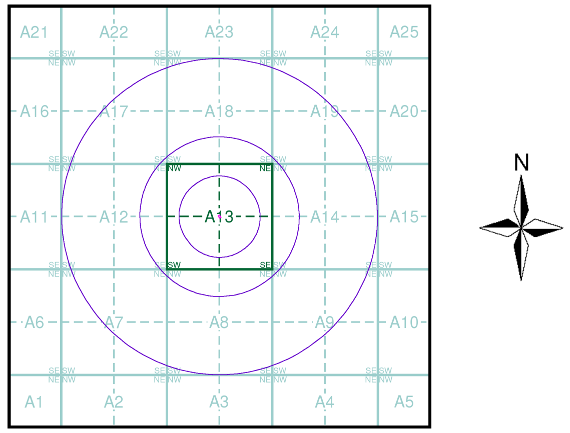
Specified Site
Specified Buffer(s)
X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

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

Estimated Soil Chemistry Cadmium - Slice A



Order Details

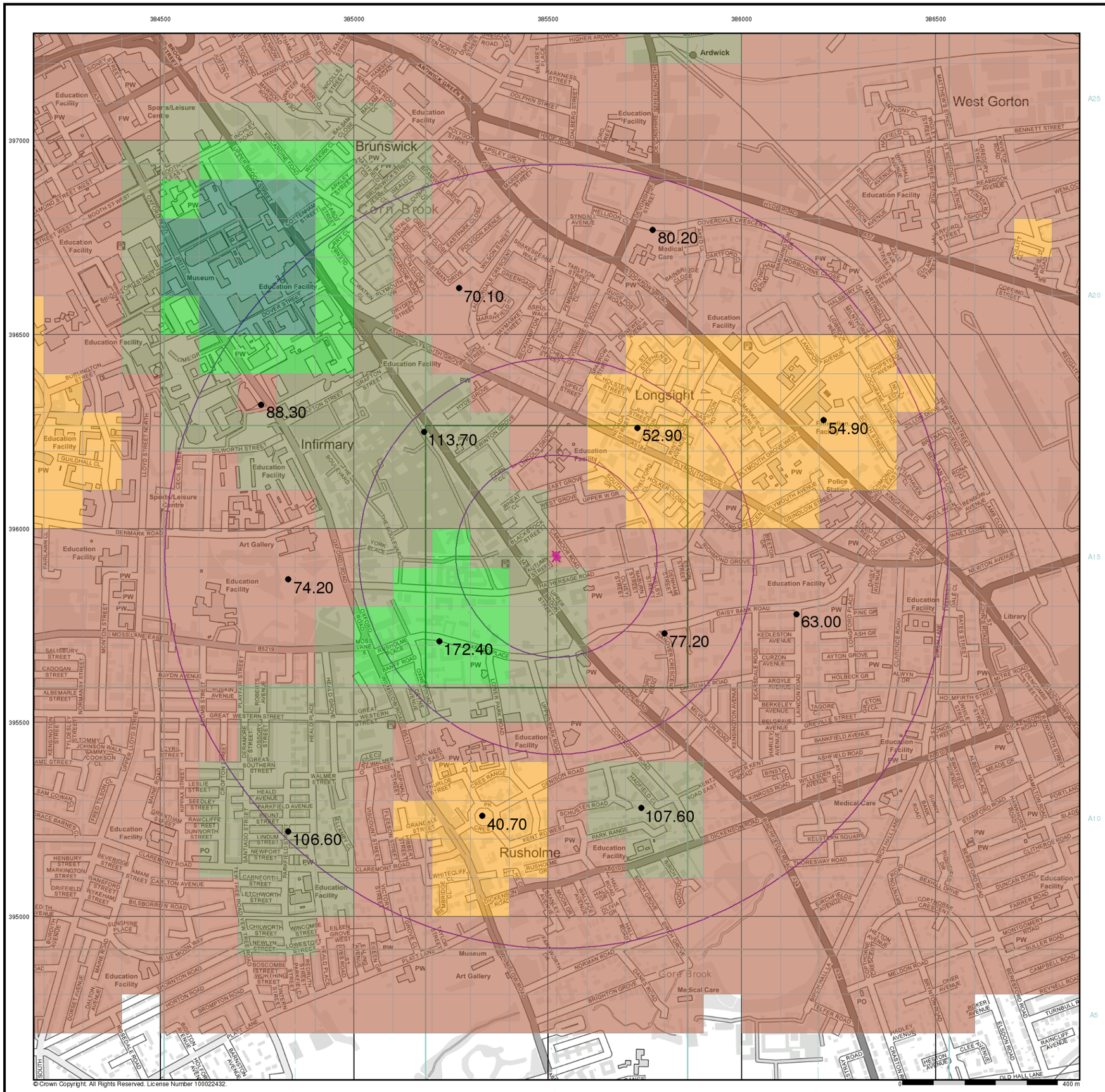
Order Details: 303236239_1_1
Customer Ref: 2554
National Grid Reference: 385520, 395930
Slice: A
Site Area (Ha): 0.02
Search buffer (m): 1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

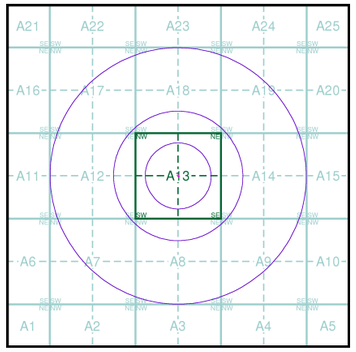
Urban Soil Chemistry Chromium

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

Chromium Concentrations mg/kg

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

Urban Soil Chemistry Chromium - Slice A



Order Details

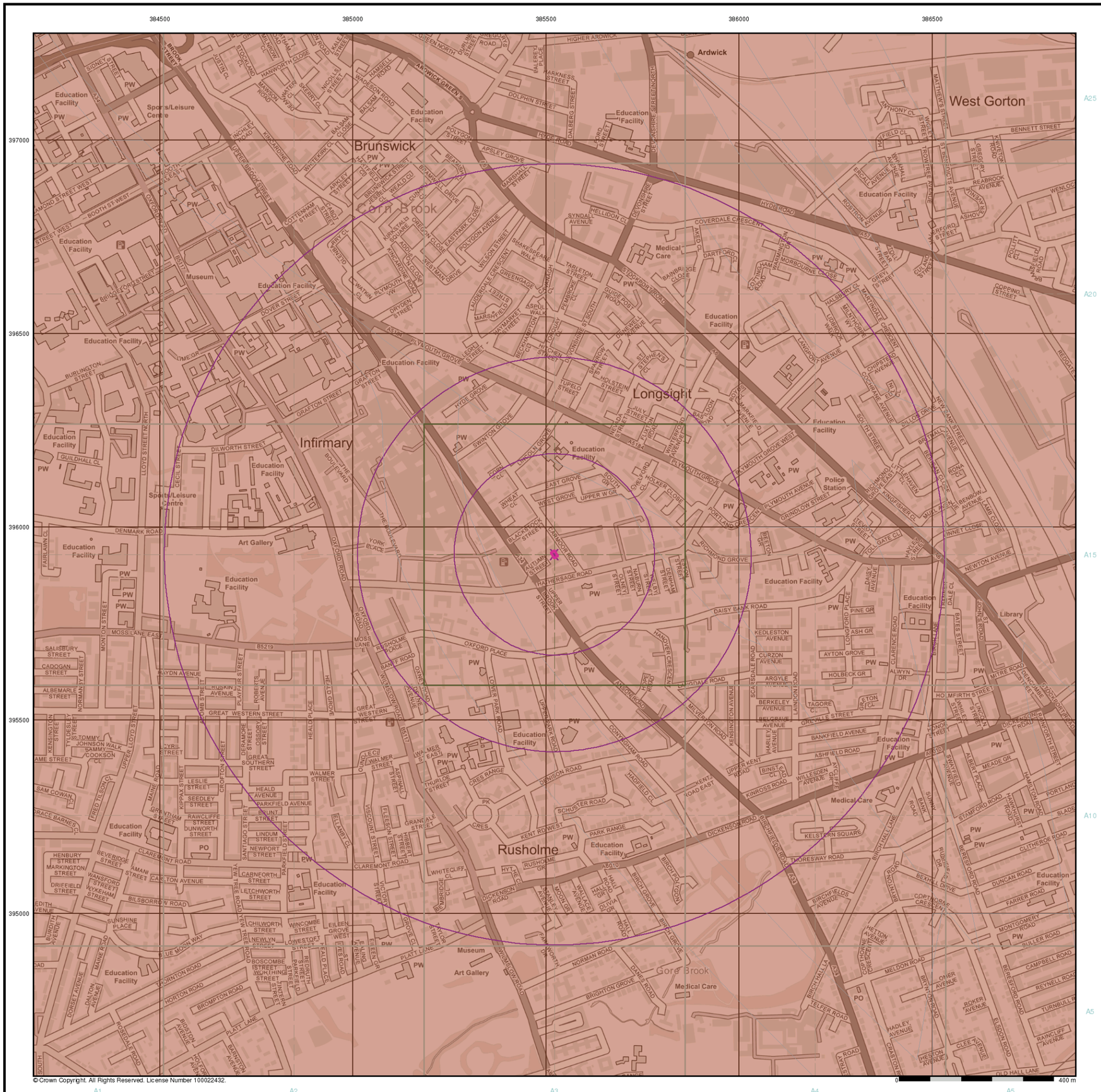
Order Details:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

General

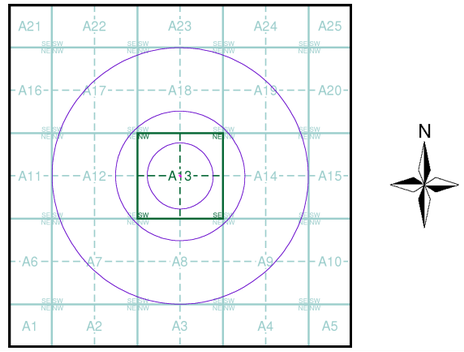
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A



Order Details

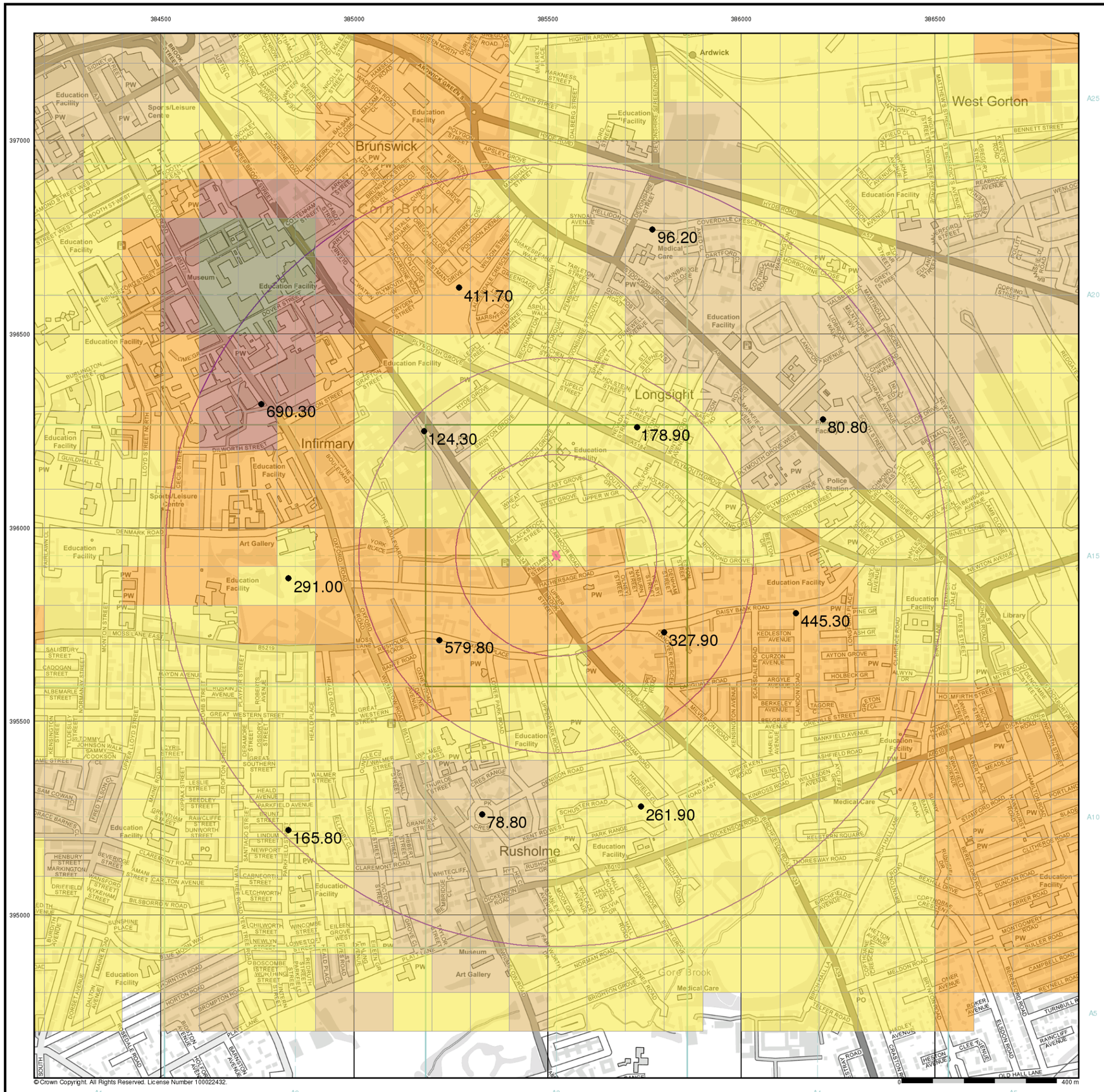
Order Details:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

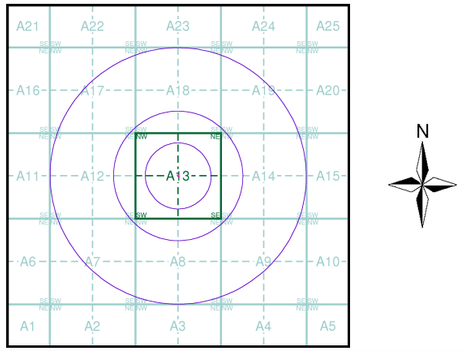
Urban Soil Chemistry Lead

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

Lead Concentrations mg/kg

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

Urban Soil Chemistry Lead - Slice A



Order Details

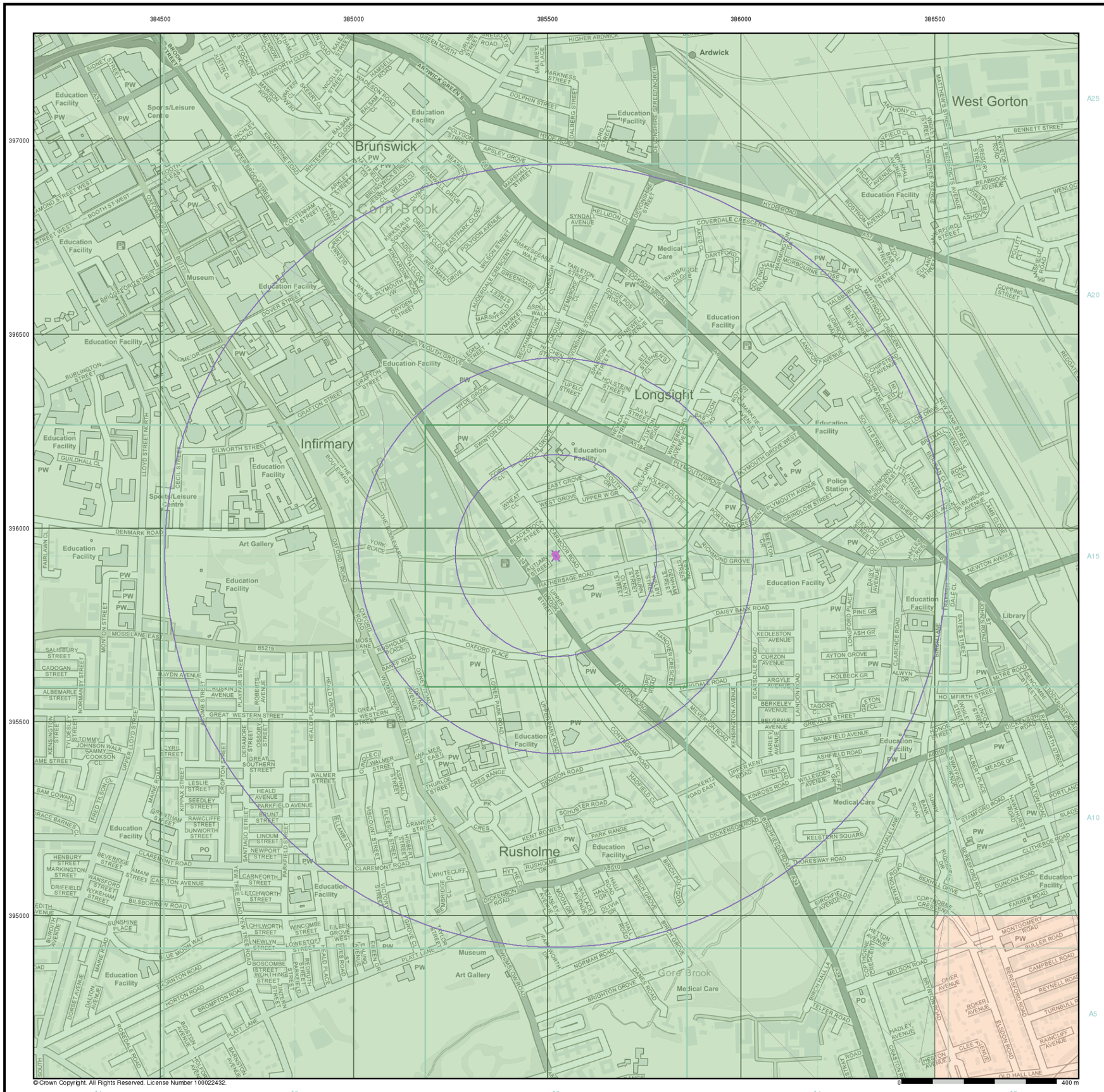
Order Details:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

General

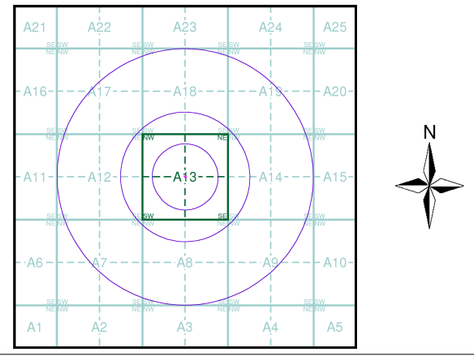
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



Order Details

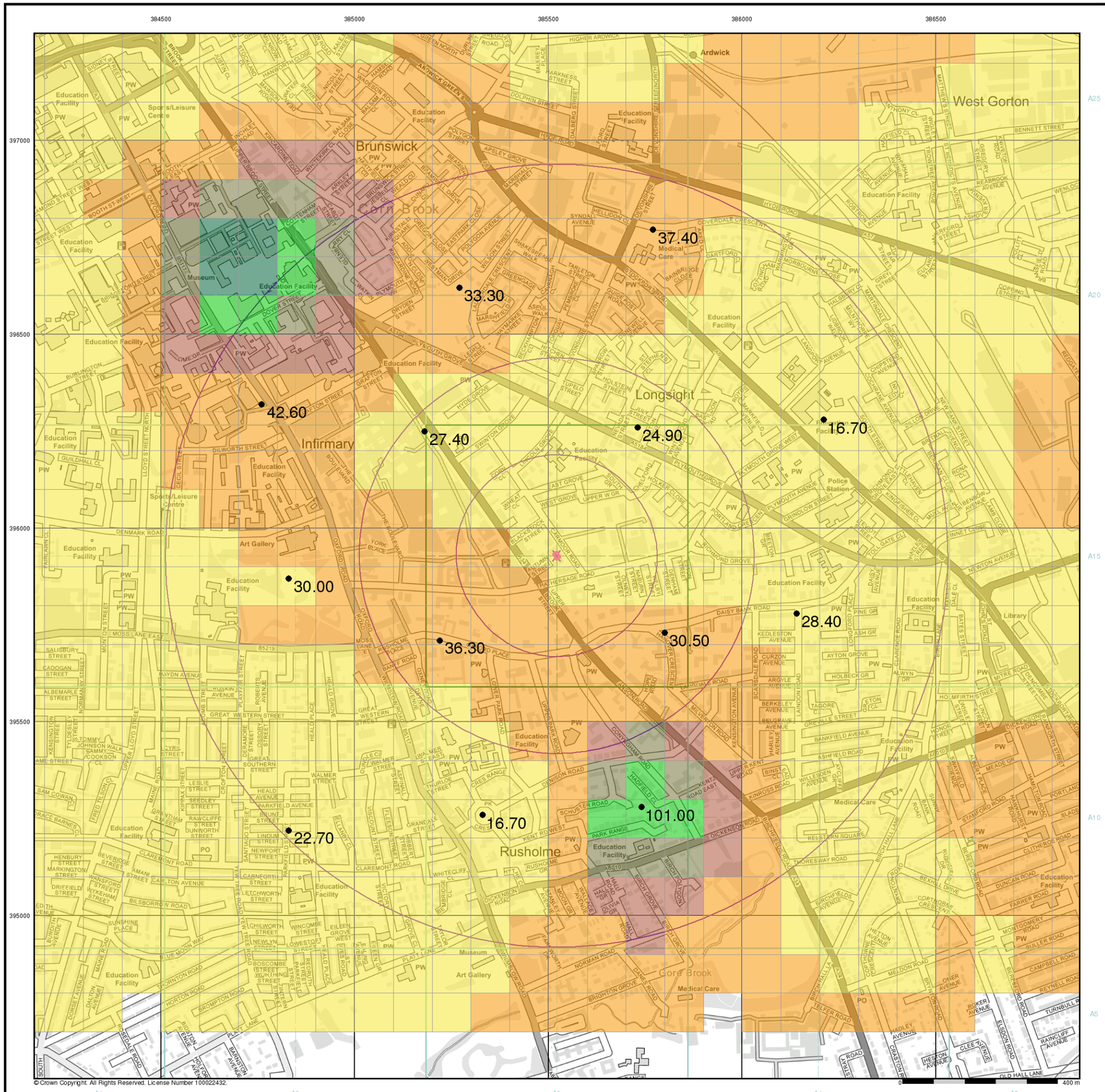
Order Details:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

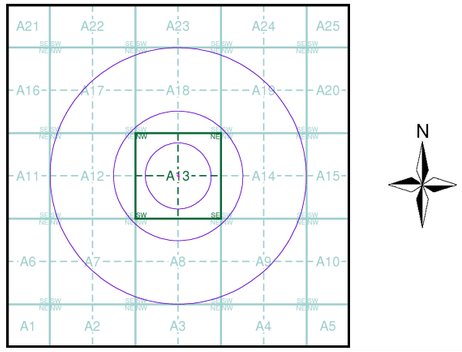
Urban Soil Chemistry Nickel

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

Nickel Concentrations mg/kg

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

Urban Soil Chemistry Nickel - Slice A



Order Details

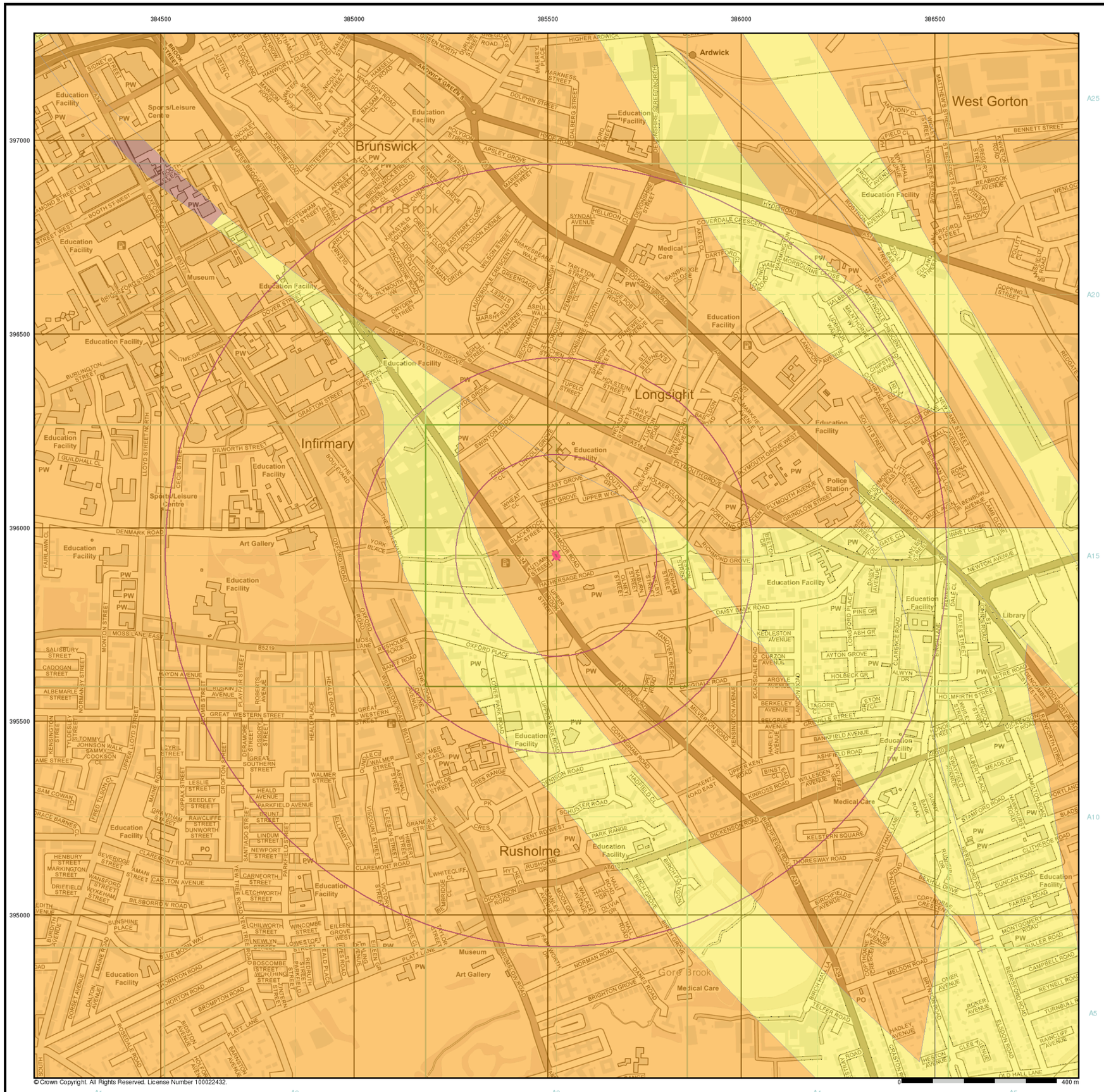
Order Details:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



Envirocheck®

LANDMARK INFORMATION GROUP®

General

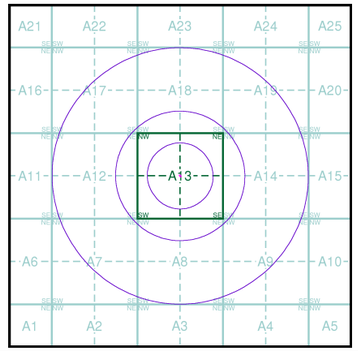
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

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

Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details:	303236239_1_1
Customer Ref:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search buffer (m):	1000

Site Details

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

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	Not Supplied - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFICD	Glaciofluvial Ice Contact Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CHES	Chester Formation	Sandstone	Not Supplied - Olenekian
	WLSF	Wilmslow Sandstone Formation	Sandstone	Not Supplied - Early Triassic
	MM	Manchester Marls Formation	Mudstone	Not Supplied - GUADALUPIAN
	CS	Collyhurst Sandstone Formation	Sandstone	Not Supplied - Cisuralian
	HA	Halesowen Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	GML	Great Mine Limestone	Limestone	Not Supplied - Westphalian
	PUCM	Pennine Upper Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	ETM	Etruria Formation	Sandstone and Mudstone	Not Supplied - Westphalian
		Faults		
		Rock Segments		

Envirocheck®

LANDMARK INFORMATION GROUP®

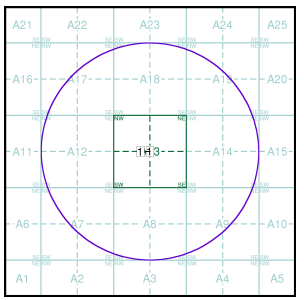
Geology 1:50,000 Maps

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

Geology 1:50,000 Maps Coverage

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

Geology 1:50,000 Maps - Slice A

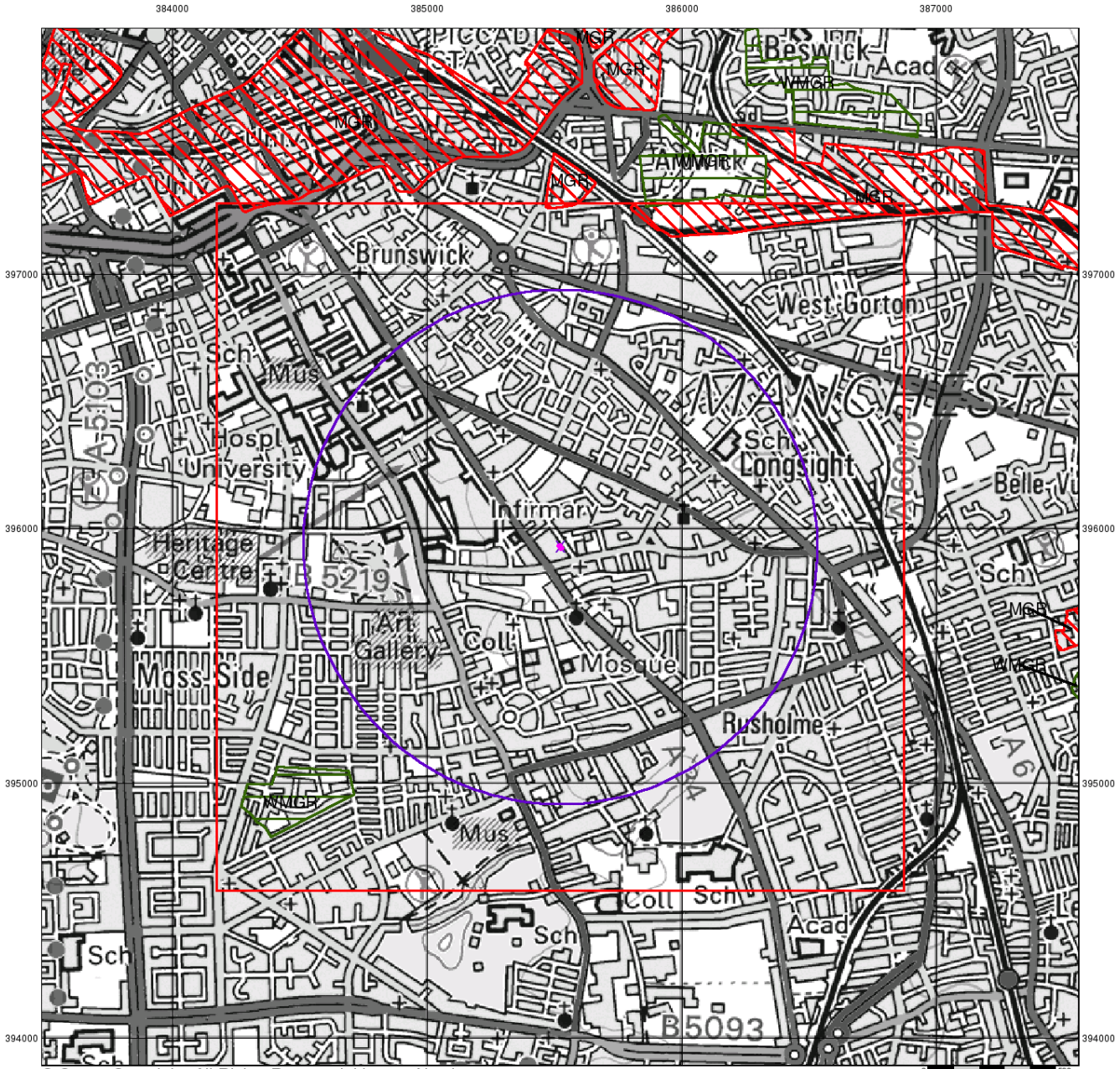


Order Details:

Order Number:	303236239_1_1
Customer Reference:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details:

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

Artificial Ground and Landslip

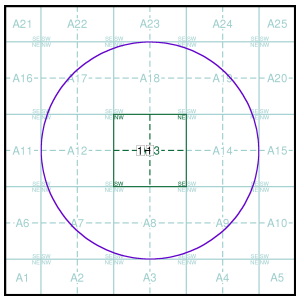
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

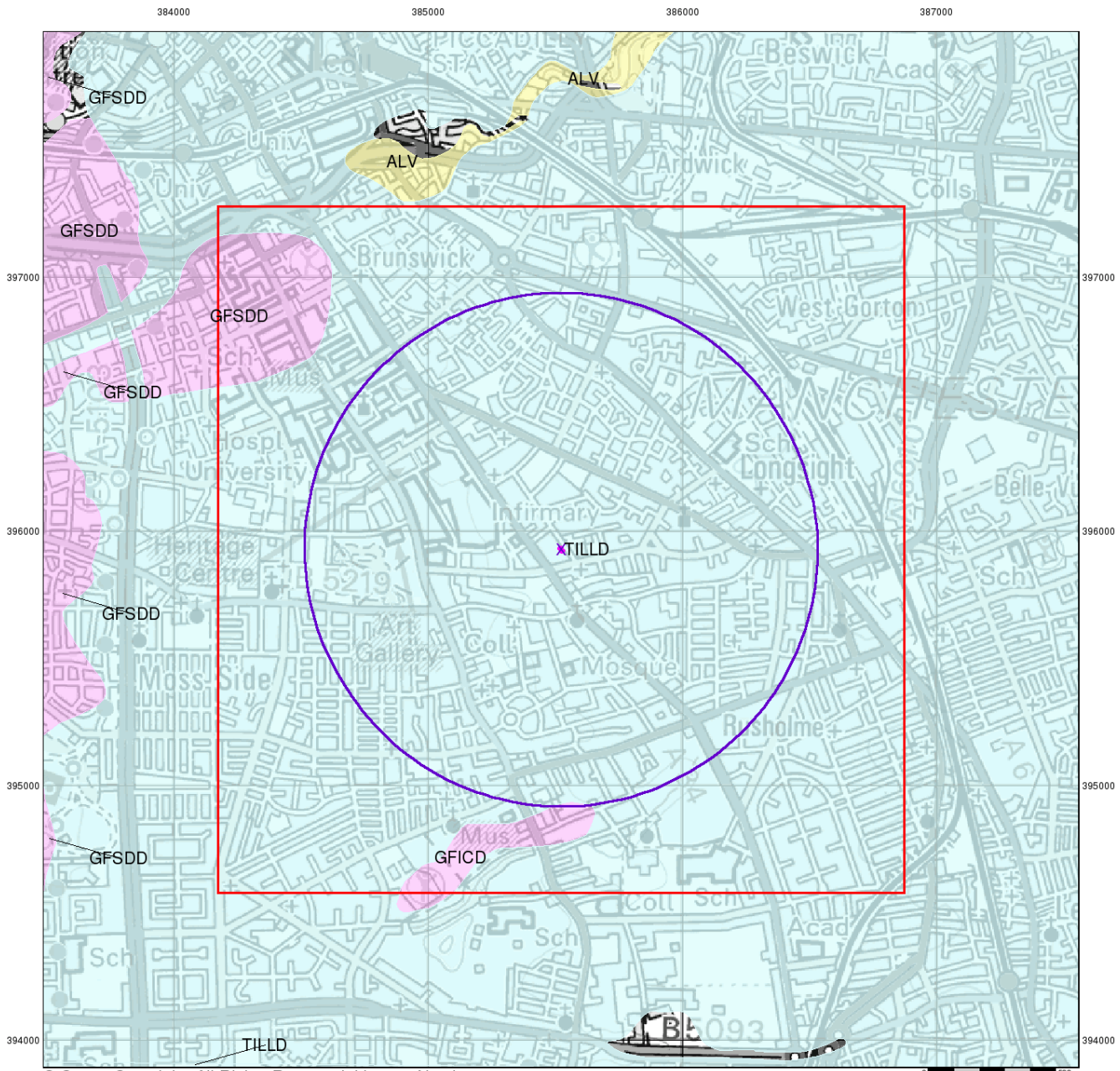
Order Number:	303236239_1_1
Customer Reference:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details:

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

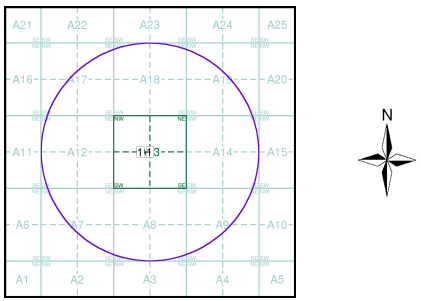
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

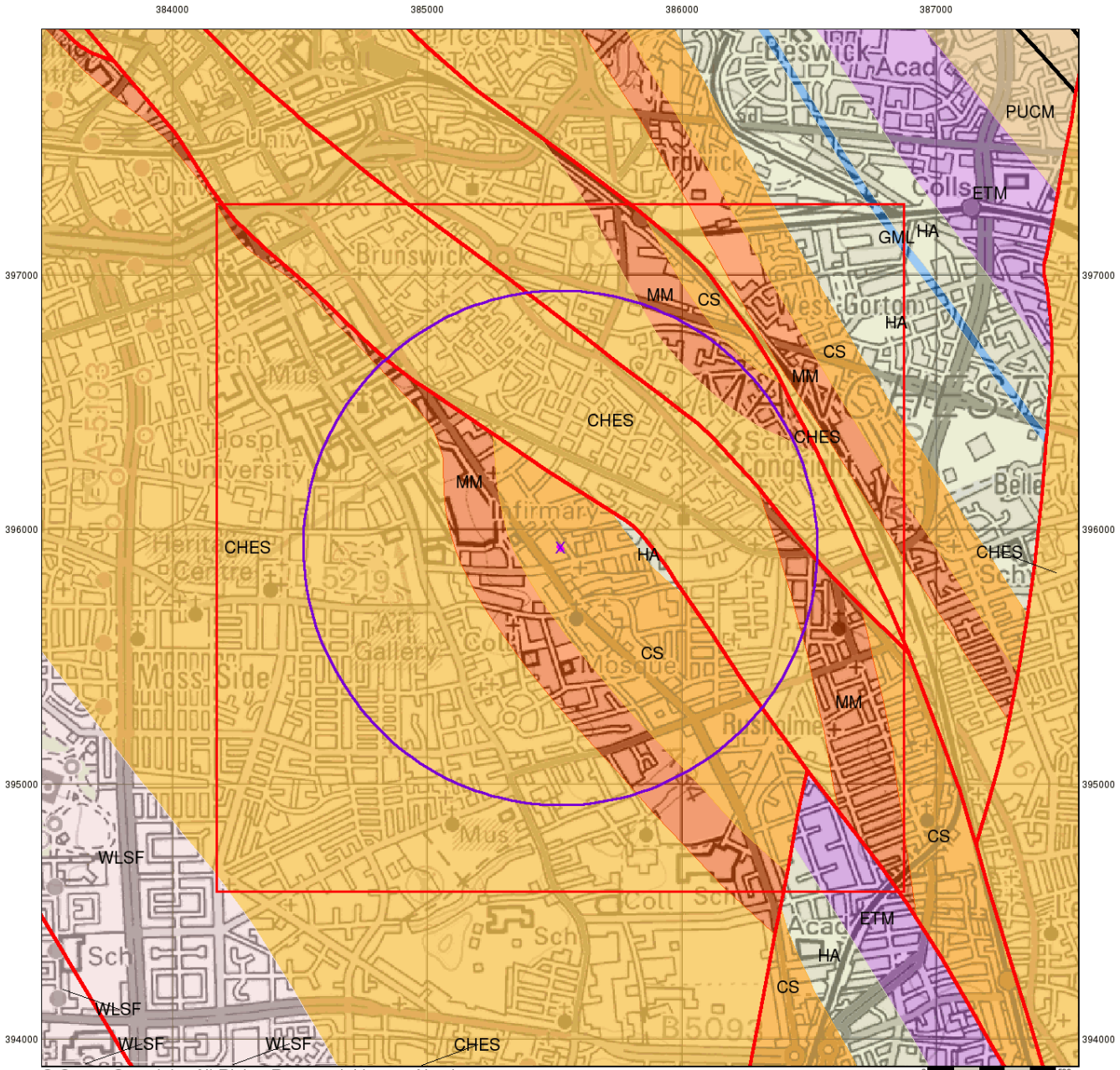
Order Number:	303236239_1_1
Customer Reference:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details:

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

Bedrock and Faults

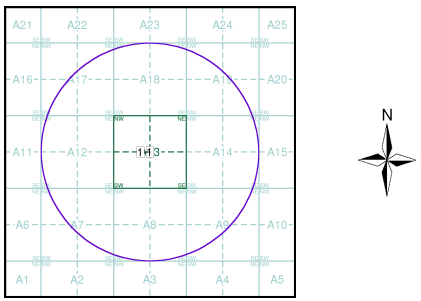
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

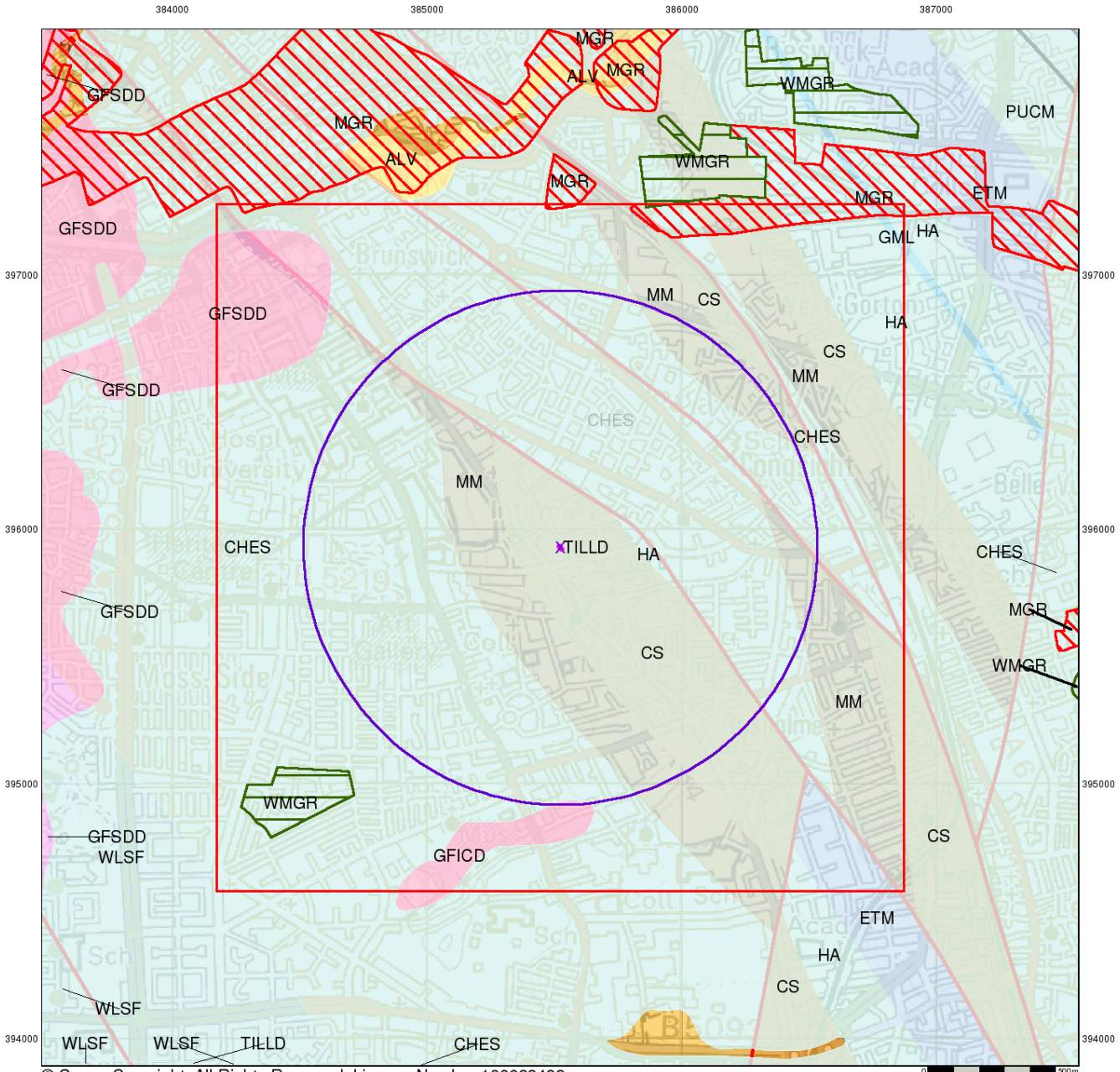
Order Number:	303236239_1_1
Customer Reference:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details:

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

Landmark® INFORMATION GROUP

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



© Crown Copyright. All Rights Reserved. License Number 100022432.

Envirocheck®

LANDMARK INFORMATION GROUP®

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.

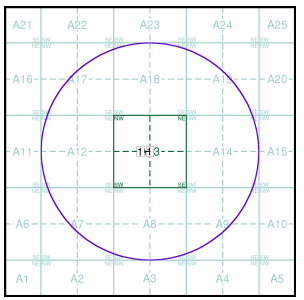
Additional Information

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:	303236239_1_1
Customer Reference:	2554
National Grid Reference:	385520, 395930
Slice:	A
Site Area (Ha):	0.02
Search Buffer (m):	1000

Site Details:

Rafters Garage, 90, Carmoor Road, MANCHESTER, M13 0FB

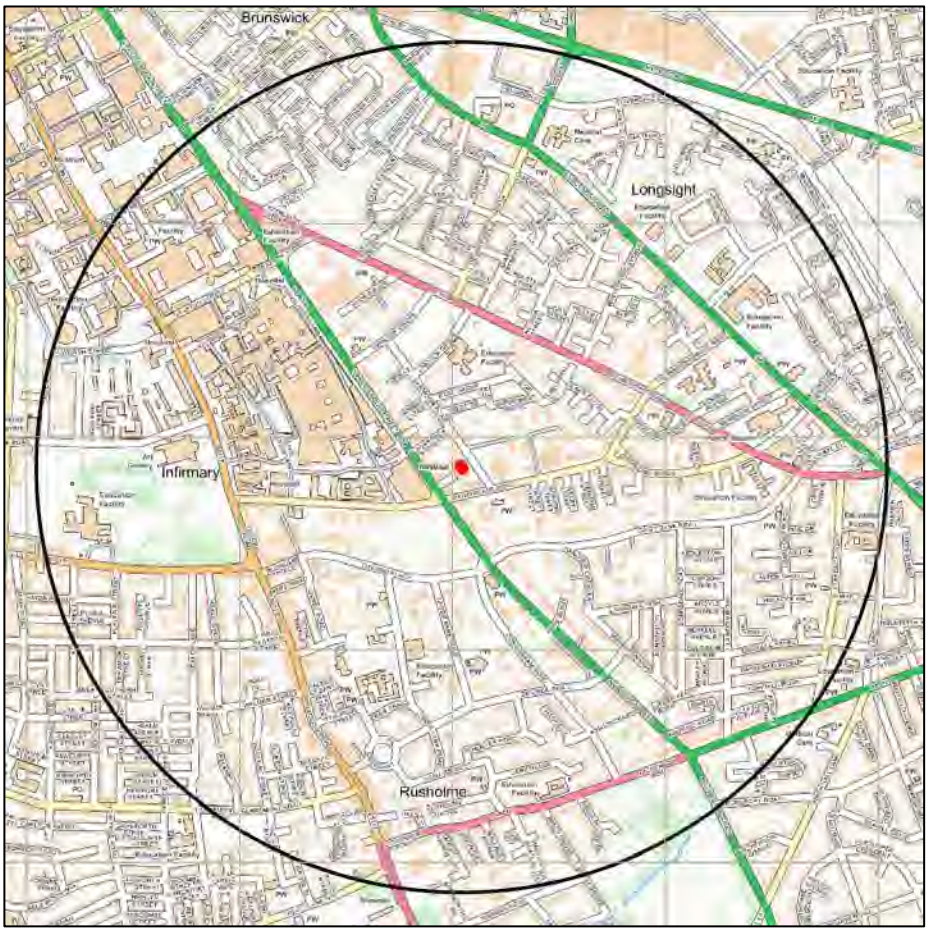
Appendix C: Unexploded Ordnance Risk Assessment

Landmark Information Group Ltd
Imperium, Imperial Way
Reading, Berkshire
RG2 0TD,
United Kingdom

T: +44 (0) 844 844 9952
W: www.envirocheck.co.uk

PRELIMINARY UNEXPLODED ORDNANCE (UXO) THREAT ASSESSMENT

Meeting the requirements of *CIRIA* C681 'Unexploded Ordnance (UXO) – A guide for the Construction Industry' Risk Management Framework



6 ALPHA PROJECT NUMBER	10203	**ORIGINATOR**	R. Taylor
LANDMARK ORDER NUMBER	303236239_2	**REVIEWED BY**	L. Gregory
CLIENT REFERENCE	2554	**RELEASED BY**	L. Gregory
PROJECT	Carmoor Road	**DATE**	1st November 2022
RECOMMENDATION	No further action is required to address the UXO risk at this Study Site		

UNEXPLODED ORDNANCE THREAT ASSESSMENT

STUDY SITE

The Study Site is described as "Rafters Garage, 90, Carmoor Road, Manchester, M13 0FB", and it is centred on National Grid Reference 385520, 395930.

THREAT POTENTIAL AND RECOMMENDATIONS

The potential for a UXO hazard to occur, and more specifically, the potential for unexploded WWI and WWII ordnance to exist at this site is assessed as being UNLIKELY (*Figure 2*).

In accordance with *CIRIA* C681 Chapter 5 on managing UXO risks, *6 Alpha* concludes that **NO FURTHER ACTION** is required to address the UXO risk at this Study Site. Should you have any queries, please contact *Envirocheck*:

Telephone: +44 (0)844 844 9952 Email: customerservice@envirocheck.co.uk

REPORT SUMMARY

During WWII, the Study Site was situated within *Manchester County Borough*, which recorded six High Explosive (HE) bomb strikes per 100 hectares; a "very low" level of bombing.

Luftwaffe aerial reconnaissance photography associated with the Study Site did not identify any primary bombing targets on-site or within 1,000m.

Air Raid Precaution (ARP) records did not identify any HE bomb strikes on-site. Nonetheless, five HE bomb strikes were identified within 635m of the Study Site, the closest being 405m north-north-west. Furthermore, supplementary research also identified bomb strikes on *Livingstone Street* (located approximately 190m south-west at its closest point, situated on what is currently part of *St Mary's Hospital*). Two unexploded bombs (UXBs) were also recorded in the Site's vicinity, the closest being 585m north-west.

Official bomb damage mapping did not record damage to structures on-site. Nonetheless, bomb damage was recorded in the vicinity of the Study Site, notably "*Demolished Buildings*" were documented approximately 245m west, 250m north-west and 300m south-west of the Study. In addition, further research found evidence of significant bomb damage to structures on *Livingstone Street;* including eight structures completely demolished as a result of the aforementioned bomb strikes.

Despite this, as there was no bombing or bomb damage recorded in the Study Site's vicinity during WWII, there is no evidence to suggest that further investigation into UXO is warranted.

USING THIS REPORT

This Preliminary Assessment is designed to inform environmental and construction professionals of the potential threat of military related explosives and/or ordnance on, or in, the vicinity of the Study Site.

This assessment is designed to be employed as a site-screening tool to meet with the requirement of Phase One of the *CIRIA UXO Risk Management Framework*; there are two broad prospective outcomes; either the threat level requires a detailed threat & risk assessment; or no further action is required. In the former instance we can provide a report within 10 working days (or more quickly upon application).

Two figures accompany the report, the *Second World War* (WWII) High Explosive (HE) Bomb Density and the final Probability of UXO Encounter. The purpose of this approach is to demonstrate that whilst bomb density statistics give an indication for WWII bombing, they should not be relied upon exclusively to generate a holistic assessment.

For further information, please contact *Envirocheck*:

Website: http://www.envirocheck.co.uk

Telephone: +44 (0)844 844 9952

Email: customerservice@envirocheck.co.uk

DATA FINDINGS

Threat Source (within 1,000m)		Detail	
		Identified	Comments
	Military Facilities/Activity	✗	None recorded within 1,000m.
	Ordnance Manufacture/Storage	✗	None recorded within 1,000m.
	WWII Decoy Bombing Sites	✗	None recorded within 1,000m.
	WWII Defensive Features	✗	None recorded within 1,000m.
	WWII *Luftwaffe* Designated Bombing Targets	✗	*Luftwaffe* aerial photography did not identify any primary bombing targets on-site or within 1,000m.
	WWII Bomb Strikes (Study Site Boundary)	✗	ARP records did not identify any HE bomb strikes on-site.
	WWII Bomb Strikes (Wider Area)	✓	ARP records identified five HE bomb strikes within 635m, the closest being 405m north-north-west.
	WWII Bomb Damage	✓	Official bomb damage mapping recorded *"Demolished Buildings"* to structures 245m west, 250m north-west and 350m south-west.
	Abandoned Bomb Register	✗	The official abandoned bomb list did not identify any abandoned bombs on-site or within 1,000m.
	Potential Threat Sources	✗	*6 Alpha* have not uncovered evidence that a direct UXO contamination threat exists at this Study Site. *German* HE bombs may pose a residual threat.
	WWII Bombing Density Per 100 Hectares	✓	The Study Site was located within *Manchester County Borough*, which recorded six HE bomb strikes per 100 hectares.

IMPORTANT NOTES

1. The term 'Preliminary UXO Threat Assessment' has been used to describe this report, to fall in line with the *CIRIA* C681 guidelines. Whilst the term 'Risk' can be justifiably used at this stage, the reader should note that the 'Consequence' function of 'Risk' is not considered. Should it be required, this would be addressed in the 'Detailed UXO Threat & Risk Assessment' (Stages 2 and 3).
2. This report is accurate and up to date at the time of writing.
3. The assessment levels have been generated from historical data and third-party sources. Where possible *6 Alpha* have sought to verify the accuracy of such data, but cannot be held accountable for inherent errors that may be in third party data sets (e.g. *National Archives* or library sources).
4. *6 Alpha* have exercised all reasonable care, skill and due diligence in producing this service.
5. Whilst every effort has been used to identify all potential UXO/explosive threats, there were a number of private facilities, which may not have released privately recorded information concerning UXO/explosive threats into the public domain. It is therefore possible that some of the aforementioned sites may not be included within the database.

RAFTERS GARAGE, 90, CARMOOR ROAD, MANCHESTER, M13 0FB

WWII High Explosive Bomb Density

British National Grid

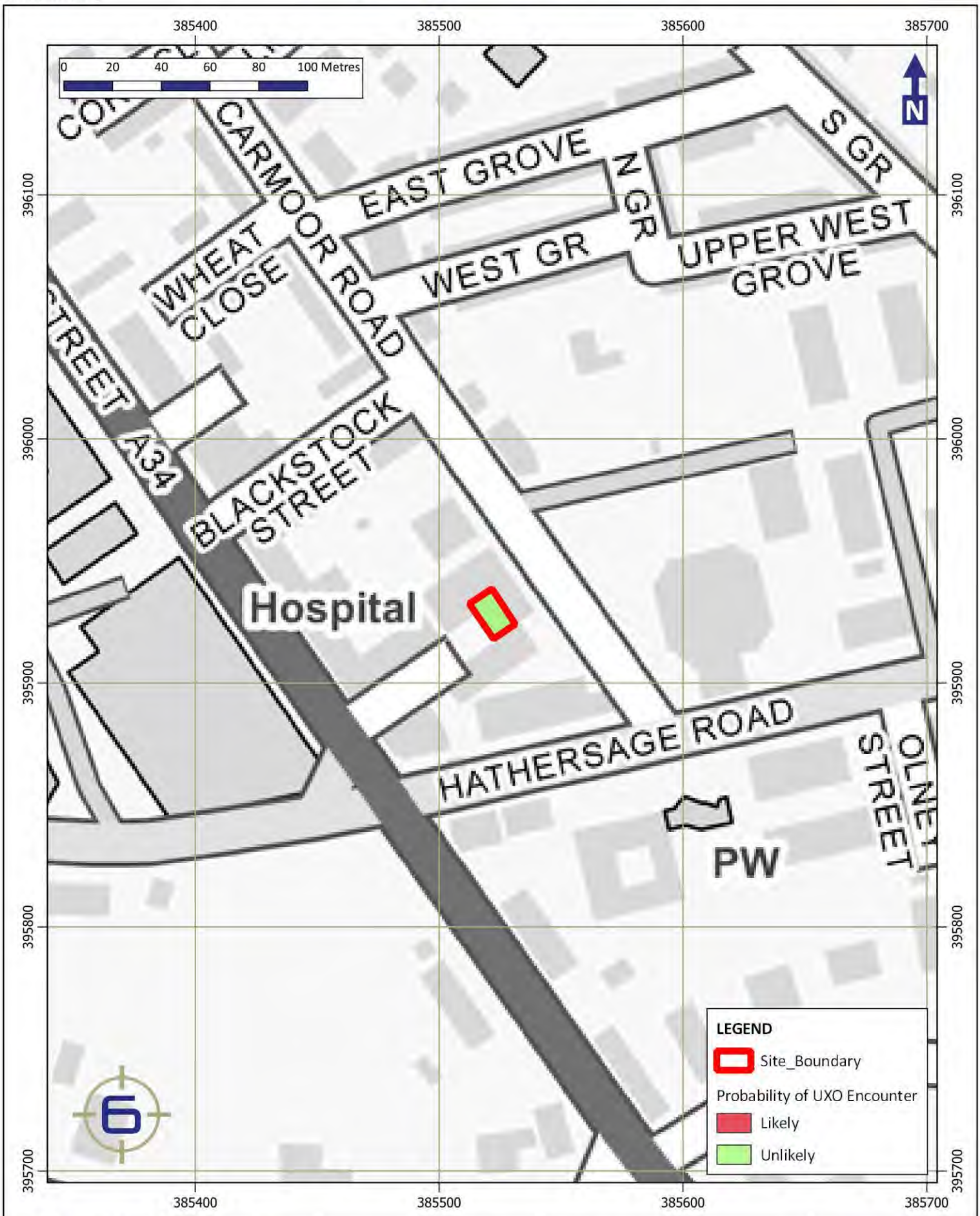


PROJECT NO.	FIGURE	DRAWN	CHECKED	DATE			
10203	1	CC	LG	31/10/2022	Contains Ordnance Survey data © Crown copyright and database right 2017	Produced by and Copyright to 6 Alpha Associates Ltd. Users noting any errors please notify 6 Alpha.	alpha ASSOCIATES

RAFTERS GARAGE, 90, CARMOOR ROAD, MANCHESTER, M13 0FB

Probability of UXO Encounter

British National Grid



PROJECT NO.	FIGURE	DRAWN	CHECKED	DATE			
10203	2	CC	LG	31/10/2022	Contains Ordnance Survey data © Crown copyright and database right 2017	Produced by and Copyright to 6 Alpha Associates Ltd. Users noting any errors please notify 6 Alpha.	alpha ASSOCIATES

Appendix D: Site Walkover Records





Image 1 & 2: Views of Rafters Garage from Carmoor Road at the eastern side of the site





Image 3 & 4: Front and rear views of the former nursery



Image 5: View of the site from Autumn Street at the western side of the site

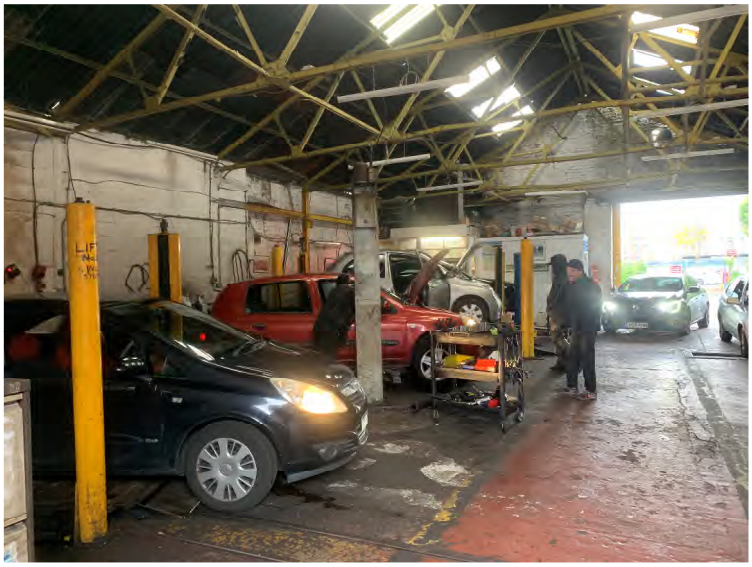


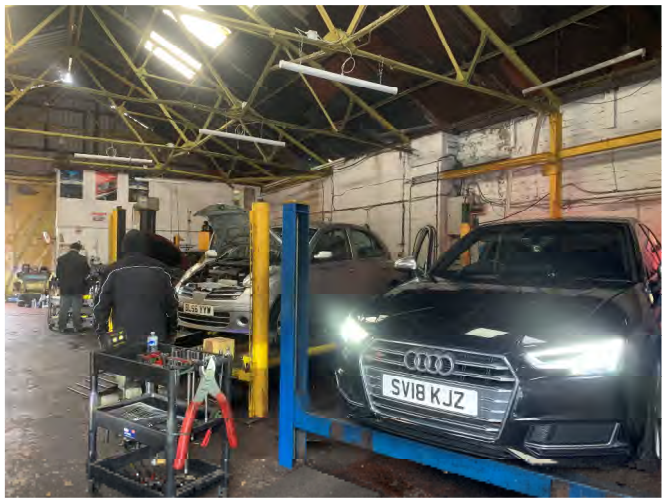




Image 6, 7 & 8: Materials stored within the yard at the west of the site







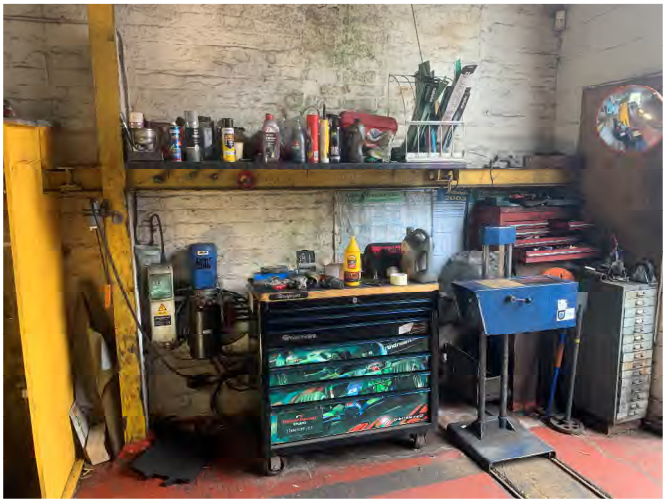


Image 9, 10, 11 & 12: Operations within the main garage building on site





Image 13 & 14: Internal views of abandoned house on site



Image 15: Views of asbestos roofing on existing garage buildings





Image 16 & 17: Contamination associated with waste oil tank on site



Image 18: Storage depot garage building on site





Image 19 & 20: Internal view of newest of the garage buildings on site



Image 21: Nearby electricity depot and sub-station to the north

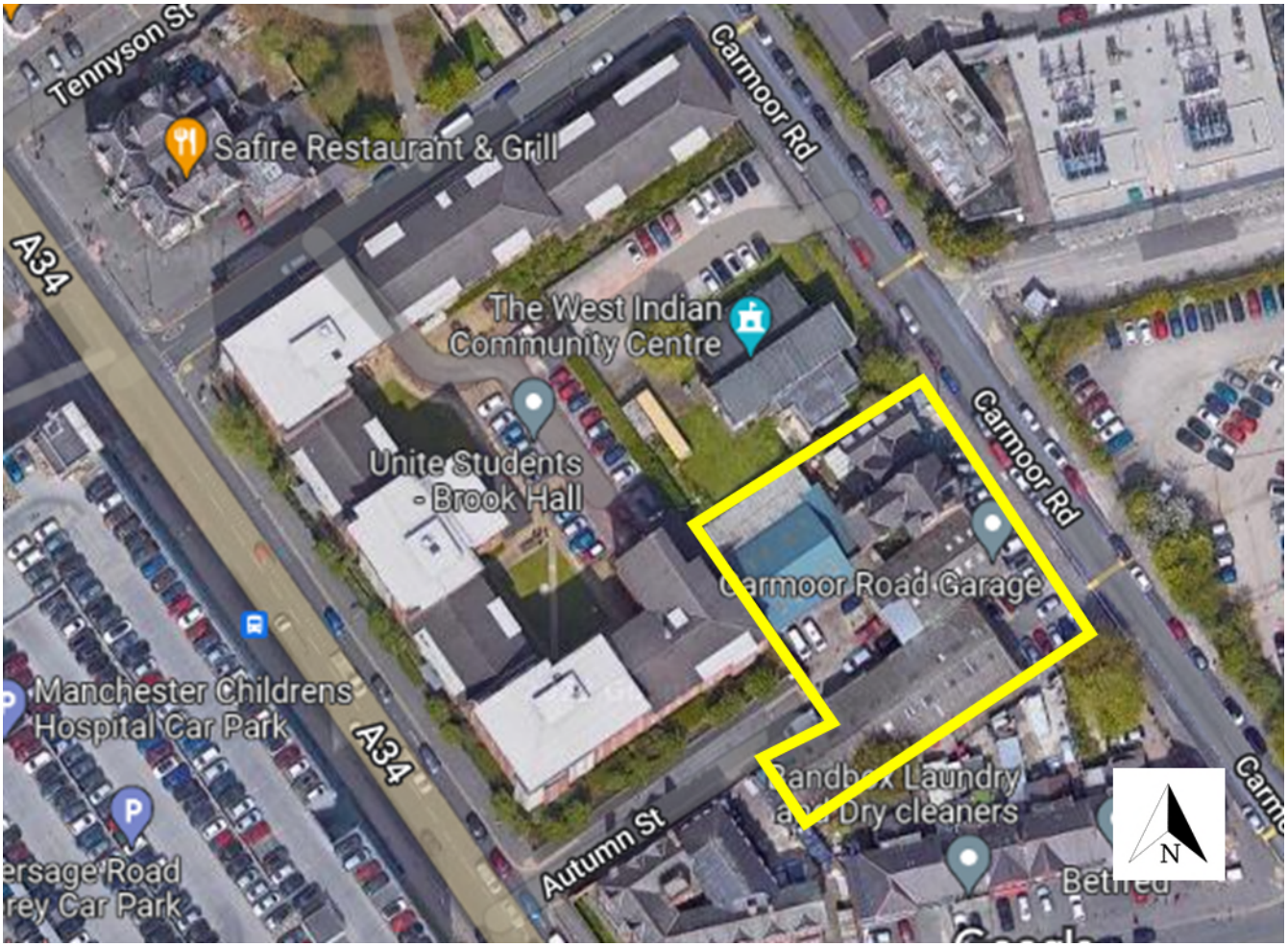
Appendix E: Regulatory Correspondence

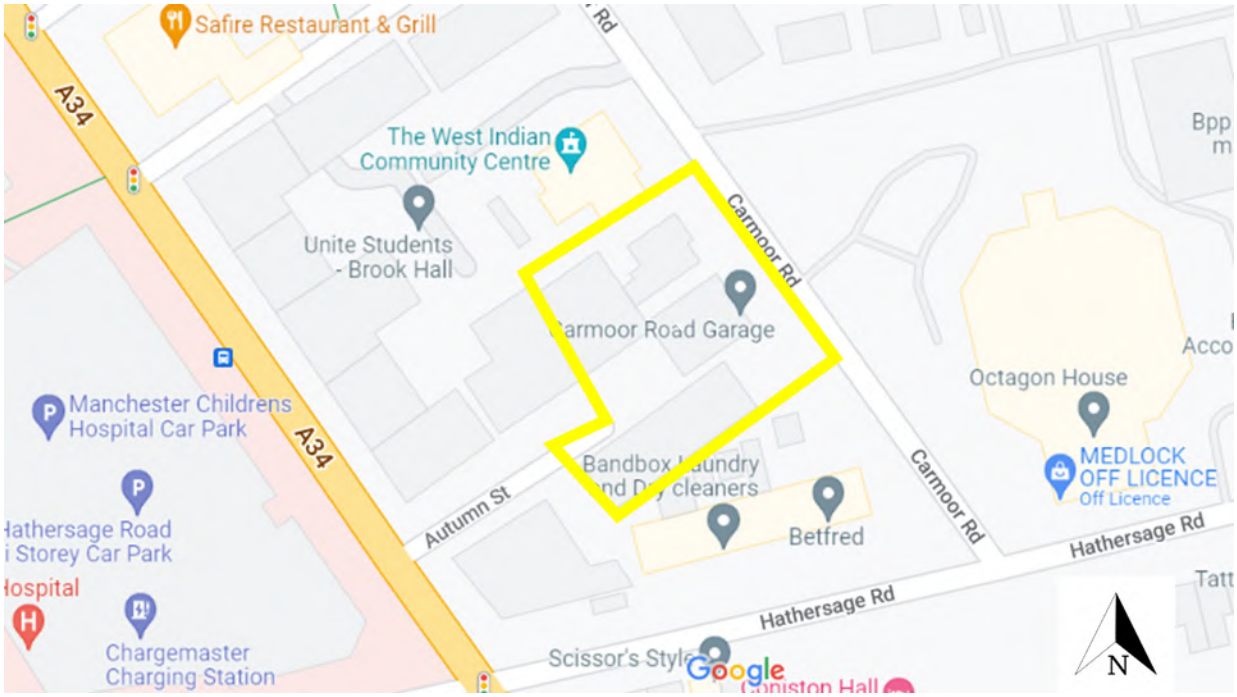
finlay.campbell@a2-studio.com

From: delphinie.mccarthy@a2-studio.com
Sent: 20 October 2022 18:01
To: 'enquiries@environment-agency.co.uk'
Subject: Site Information Request_Land off Carmoor Road

Good afternoon,

A-Squared are preparing a geoenvironmental desk study report. Please can you provide the requested information (see below) held by the Environment Agency (EA) with respect to the subject site shown on the below plans, if information is available. The site boundary is as shown by the yellow line. The site is located off Carmoor Road, Manchester, M13 0FB.





The site is located at approximate national grid reference: 385500, 395935.

The information specifically requested is any information held by the EA on the following bullet points, either for the site itself or within 500 m of the site boundary:
(information on the distance and direction to each identified feature is also requested)

- Background groundwater and surface water quality;
- Groundwater flow direction (for the various geological units) and general hydrogeological site setting / hydrogeological parameters;
- Licenced water abstractions (surface and groundwater) and details of the geological unit each abstracts from;
- Groundwater Source Protection Zones (SPZs);
- Licenced Discharge Consents;
- Records of any pollution incidents and remediation subsequently undertaken;
- Records of any 'Special Sites' as per Part 2a (EPA 1990);
- Details of any sites under consideration for investigation as a potential 'Special Site' as per Part 2a (EPA 1990);
- Records of current or historical landfill sites or waste sites;
- Details of any lined surface watercourses;
- Details of any culverted watercourses;
- Historical land uses (specifically for the site or immediately adjacent to it rather than within 500 m, in this case); and
- Any ground investigation data for the site or immediately surrounding area.

Regards,
Delphinie

Delphinie McCarthy

BEng (Hons)
Graduate Engineer

A-squared Studio

T: 020 7620 2868

M: 07403 528422

One Westminster Bridge Rd

London, SE1 7XW
www.a2-studio.com



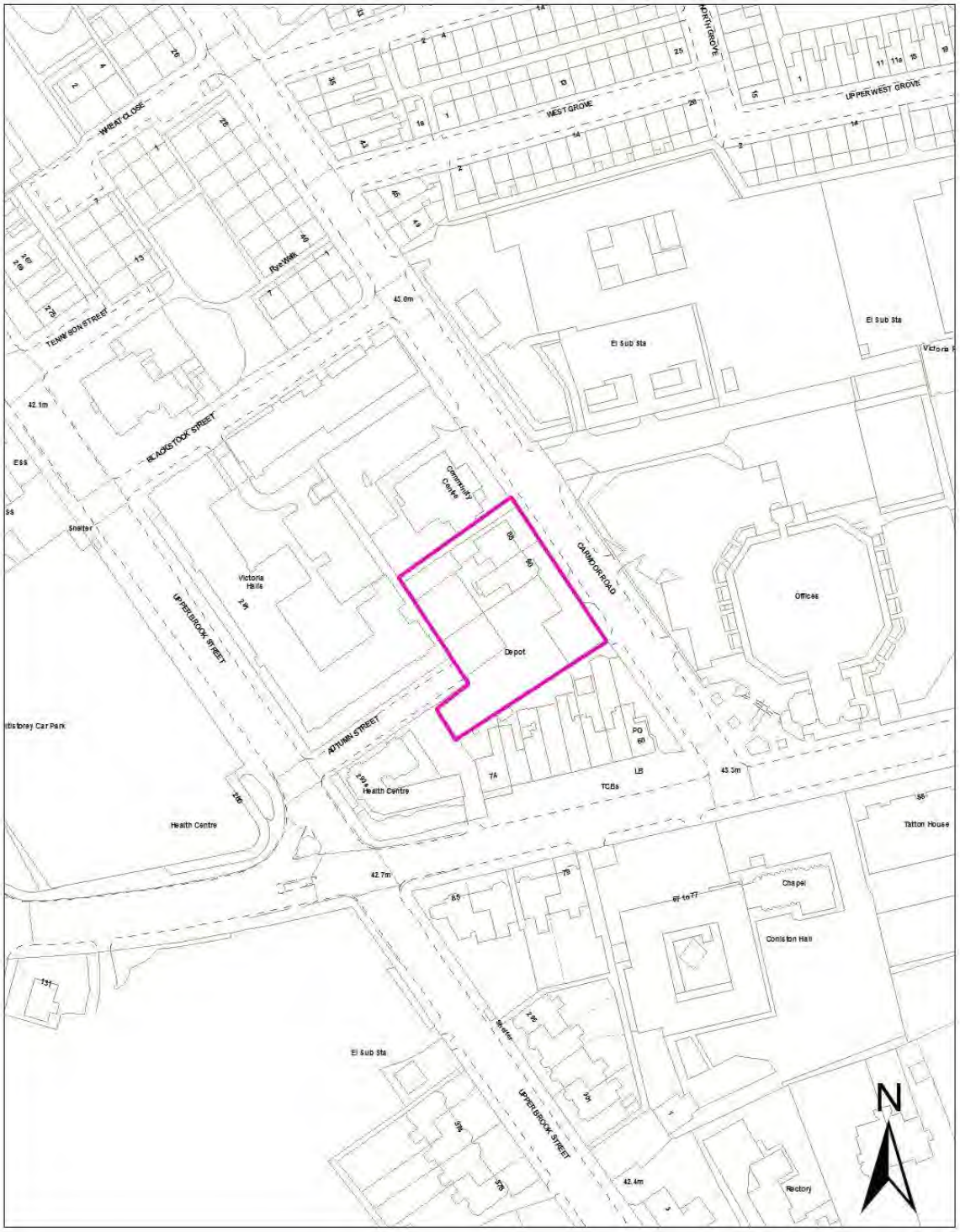
We’re excited to announce the launch of our new pile design app for iOS. Click the icon for more information!

1. Environmental Information Data

DATE: 27 October 2022 TIME: 15:10

Buffer Search Radius: 25, 100, 250, 2000 metres
Site Centre Coordinates (British National Grid): 385521, 395928
Approx. area of search feature: 2198m^2
Polygon buffer search

2. Site Location Map



MANCHESTER CITY COUNCIL

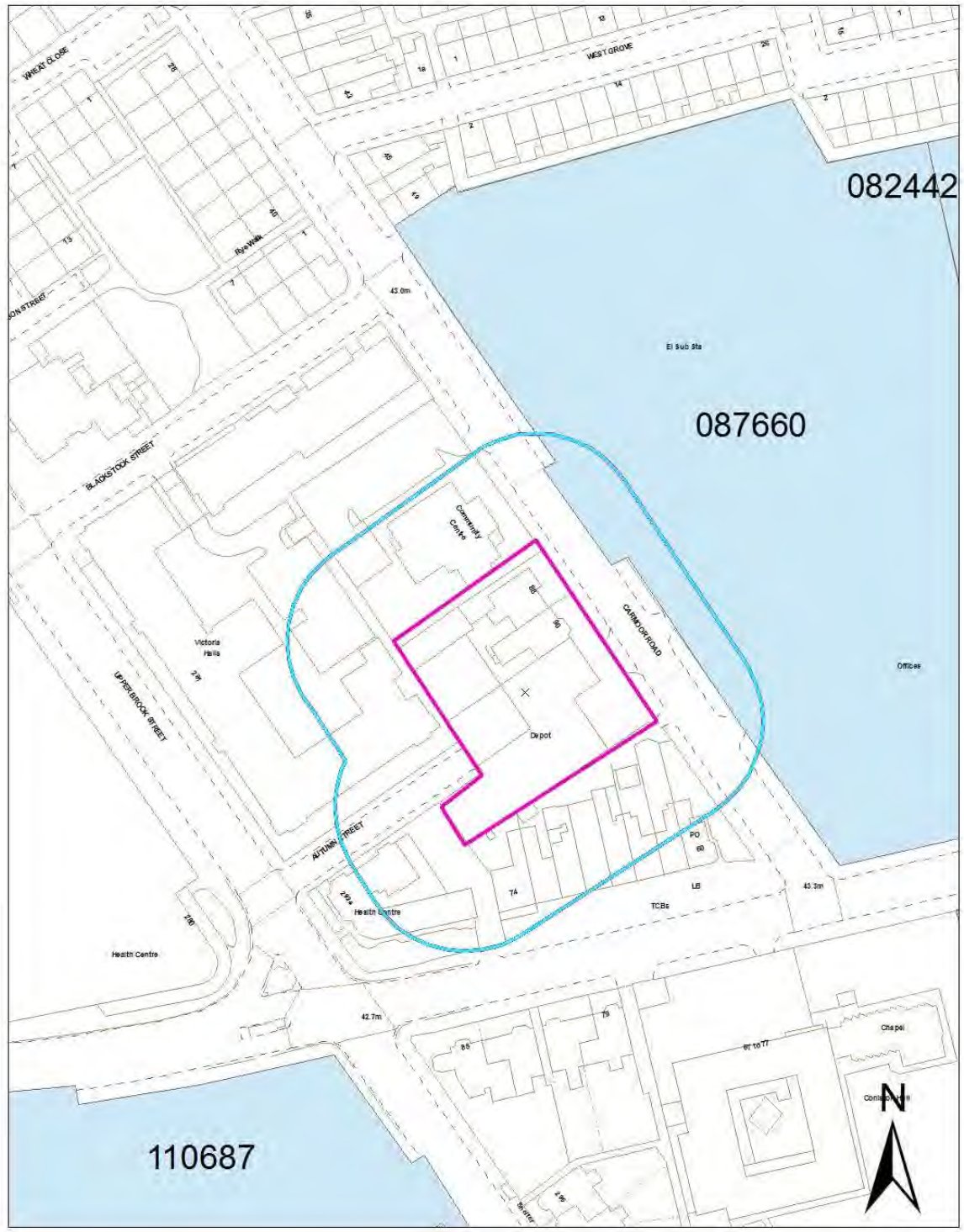
Contaminated Land Section

© Crown copyright and database rights 2021. Ordnance Survey 100019568.

0 12.5 Meters

3. CLS Records (2006-present)

Contaminated Land Section records of contamination issues at the site and land adjacent to the site (2006-present):



MANCHESTER CITY COUNCIL
Contaminated Land Section
© Crown copyright and database rights 2021. Ordnance Survey 100019568.

3.1 GIS Attribute Data for CLS Records (2006-present)

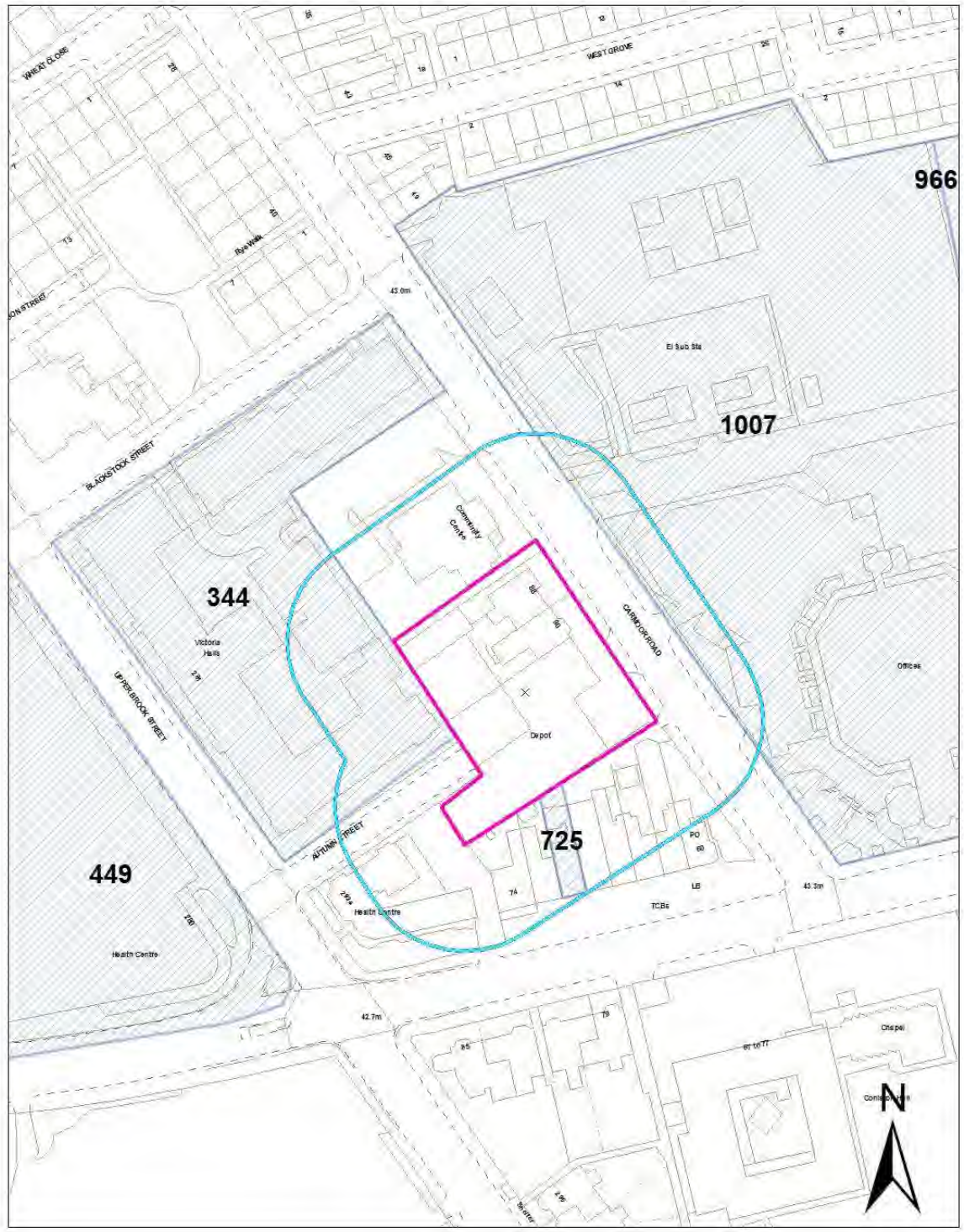
Selection Summary for layer
0 feature(s) identified on site.
1 feature(s) identified off site within 25 metres

PLANNING	Status	Address	DD_MM_YYYY	Reports	Grid Ref.
On Site					
None					
Identified Off-site - Within 25m					
087660	Pending	Hathersage Road/ Carmoor Road, Chorlton On Medlock, Manchester, M13 0BZ.		Yes	385588, 395980

The search has identified that the Contaminated Land Section may hold some information pertaining to ground conditions at or adjacent to this site, as shown on the above plan. Please contact us to arrange access to any available reports.

4. CLS Records (pre-2006)

Contaminated Land Section records of contamination issues at the site and land adjacent to the site (pre-2006):



4.1 GIS Attribute Data for CLS Records (pre-2006)

Selection Summary for layer
0 feature(s) identified on site.
3 feature(s) identified off site within 25 metres

SITE_REF	Address	Reports	Grid Ref.	Comments
On Site				
None				
Identified Off-site - Within 25m				
344	Upper Brook Street, Blackstock Street.			
1007	Hathersage Road/Carmoor Road, Chorlton-on-Medlock.			077298 for alterations to existing car park, provision of cycle storage and assoc landscaping. CONTAM recommended.
725	70 Hathersage Road.			Planning consultation memo only. Boundary from planning application no. 060910.

The search has identified that the Contaminated Land Section may hold some information pertaining to ground conditions at or adjacent to this site, as shown on the above plan. Please contact us to arrange access to any available reports.

5. MCC Landfill

Landfill sites within 250 metres.
No records were identified within 250m

6. Part 2A Determined Land

Environmental Protection Act 1990 Part 2A, sites determined to be statutory contaminated land within 250 metres:
No records were identified within 250M

The council have not identified the site or surrounding area as being contaminated land as defined under the Environmental Protection Act 1990, Part 2A. The council have not assigned a risk rating to the site, and have no current proposals to investigate the site or surrounding area under the Environmental Protection Act 1990, Part 2A.

Manchester City Councils contaminated land inspection strategy can be found at the following link.

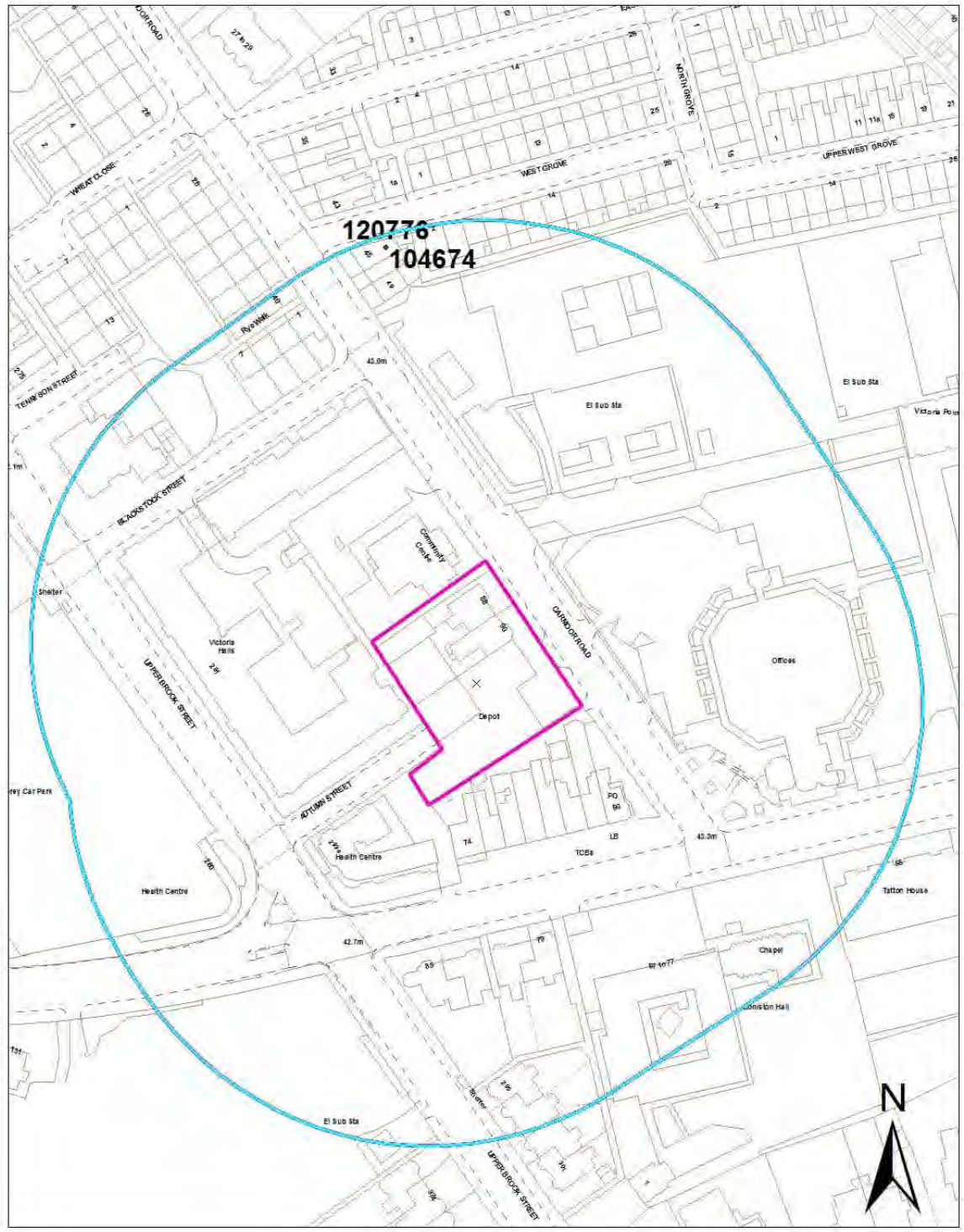
https://secure.manchester.gov.uk/info/100006/environmental_problems/2366/contaminated_land_and_environmental_searches/5

Manchester City Council contaminated land public register can be found at the following

https://www.manchester.gov.uk/directories/500217/licence-public_registers

7. Notices

Environmental Protection Act 1990 Notices





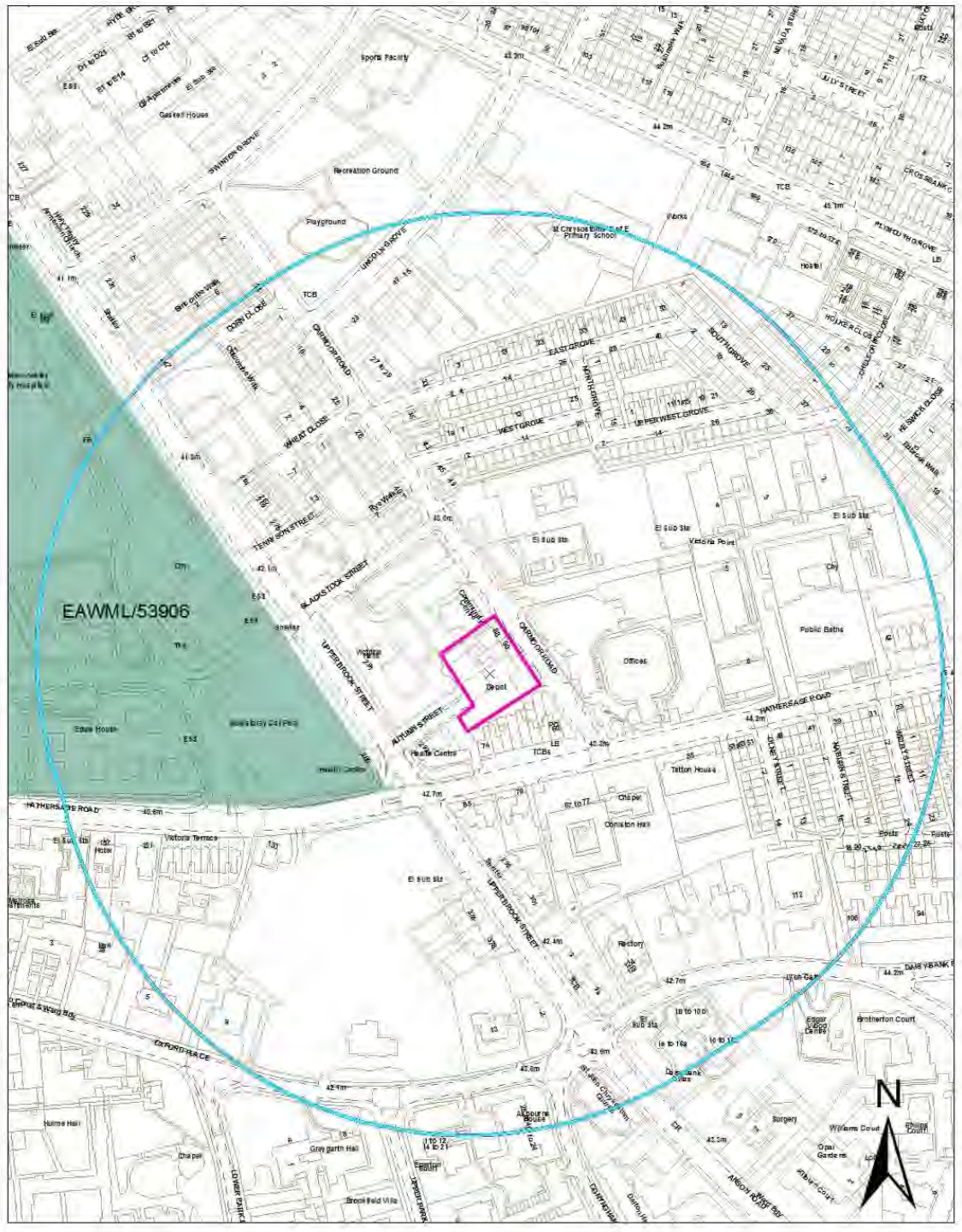
7.1 GIS Attribute Data for Notices

Selection Summary for layer
0 feature(s) identified on site.
2 feature(s) identified off site within 100 metres

llpg_uprn	type	status	Sv date	edate	address	ward	Grid Ref.
On site							
None							
Identified Off site – Within 0 -100M							
104674	E4 EPA 1990 Section 80 (Nuisance)	CPN COMPLIED WITH	30/10/2017		45B Carmoor Road, Manchester, M13 0EA	Ardwick	
120776	E4 EPA 1990 Section 80 (Nuisance)	APL APPEAL LODGED	14/05/2019		45 Carmoor Road, Manchester, M13 0EA	Ardwick	

8. Waste Management Licences

Environmental Permitting (England & Wales) Regulations 2010, Waste Management Licences within 250 metres (MCC current and historic):



8.1 GIS Attribute Data for Waste Management Licences

Selection Summary for layer
0 feature(s) identified on site.
1 feature(s) identified off site within 250 metres

WML_NO	BUSINESS	ADDRESS	FACILITY	Grid Ref.
On Site				
None				
Identified Off-site - Within 0-250m				
EAWML/53906	Central Manchester Area Health Authority (MRI).	Oxford Road, M13 9WL,	Clinical Waste Transfer Station (Waste Incinerator).	385145, 396124

All waste management activities are licensed by the Environment Agency and it is recommended that you should obtain confirmation and any further information from them. The local authority only holds copies of the applications and registrations. Our files are only updated when new information is received from the Environment Agency.

9. Waste Management Licences

Environmental Permitting (England & Wales) Regulations 2016, Waste Management Licences within 250 metres (EA current):



036Meters

MANCHESTER CITY COUNCIL

Contaminated Land Section

© Crown copyright and database rights 2021. Ordnance Survey 100019568.

9.1 GIS Attribute Data for Waste Management Licences

Selection Summary for layer
0 feature(s) identified on site.
1 feature(s) identified off site within 250 metres

LIC_NMBR	BUSINESS	ADDRESS	STAT_SDESC	Grid Ref.
On Site				
None				
Identified Off-site - Within 0-250m				
CMH001	Central Manchester and Manchester Childrens University Hospital NHS Trust.	Manchester Royal Infirmary, Oxford Road, Manchester, M13 9WL.	Issued	

The Local Authority only holds copies of the applications and registrations with our files being updated when new information is received from the Environment Agency.

10. Part A(1) Permitted Processes

Environmental Permitting (England & Wales) Regulation 2016, Part A(1) Permitted Processes within 250 metres (MCC current and historic):
No records were identified within 250m

11. Part A(1) Permitted Processes

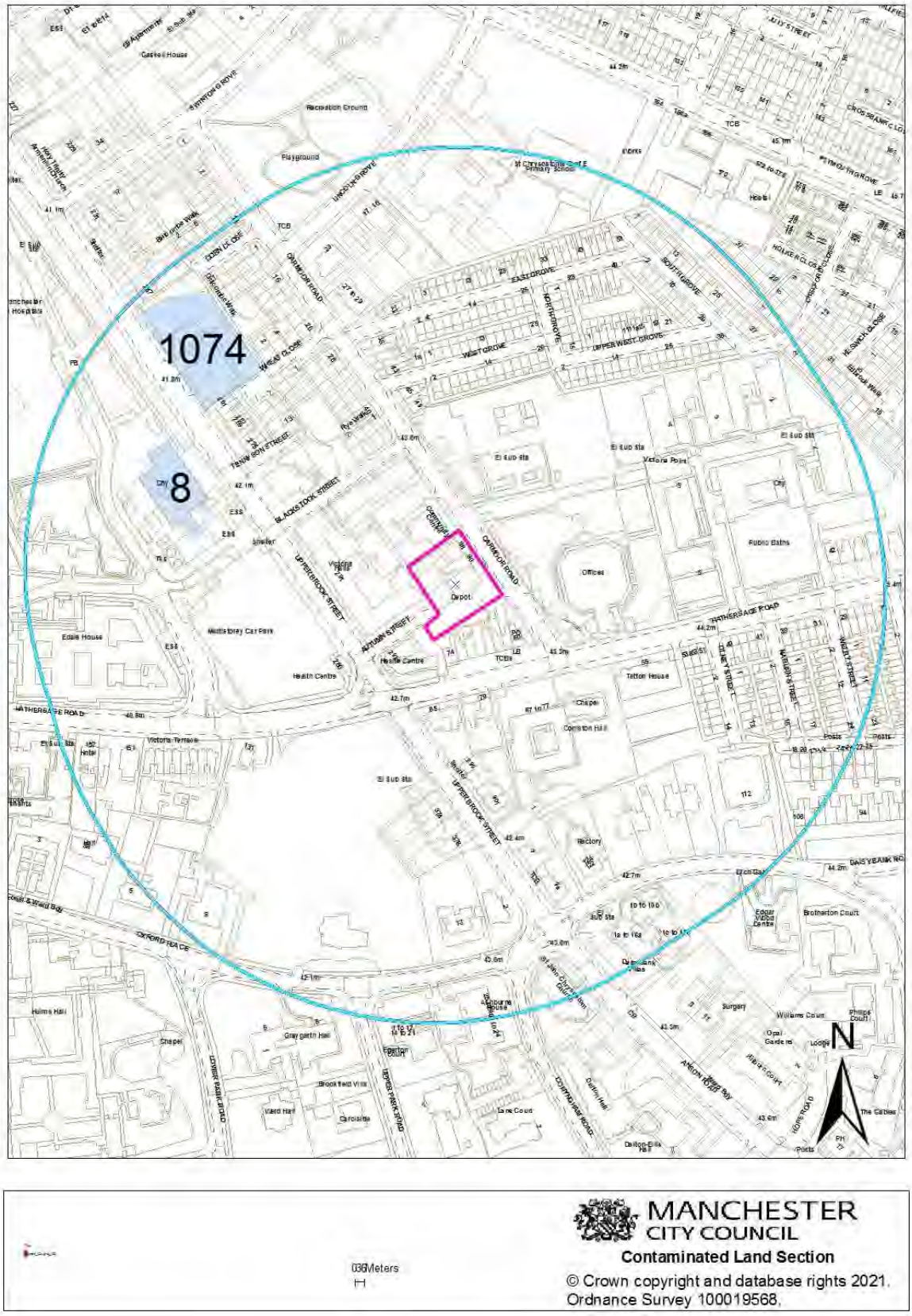
Environmental Permitting (England & Wales) Regulations 2016, Part A(1) Permitted Process within 250 metres (EA Current):
No records were identified within 250m

12. Part A(2) Permitted Processes

Environmental Permitting (England & Wales) Regulations 2016, Part A2 Permitted Processes within 250 metres:
No records were identified within 250m

13. Part B Permitted Processes

Environmental Permitting (England & Wales) Regulations 2016, Part B Permitted Processes within 250 metres of the site:



13.1 GIS Attribute Data for Part B Permitted Processes

Selection Summary for layer
0 feature(s) identified on site.
2 feature(s) identified off site within 250 metres

Site Number	BUSINESS	ADDRESS	Permit Number	Status	Grid Ref.
On Site					
None					
Identified Off-site - Within 0-250m					
1074	Tesco Rusholme Express.	257 Upper Brook Street, Longsight, M13 0HL.	PPC/PFS/RM/031/06	Current	385356, 396079
8	Manchester Royal Infirmary.	Central Services Complex, off Hathersage Road, Rusholme, M13 9WL.		Revoked	385338, 395988

14. Private Water Supplies

Private Water Supplies Regulations 2016, registered abstractions within 2000 metres:

No record were within 2000M

Manchester City Council currently have 4 Private water supplies that come under the Private Water Supplies Regulation 2016. However, only one of these is currently online.

If you require further information on these private water supplies, then please contact us.

15. Radioactive Substances Registrations

Radioactive Substances Act 1993, current registrations at or adjacent to the site:
No records were identified within 25m

End of Report.

finlay.campbell@a2-studio.com

From: Robert Willcock <robert.willcock@manchester.gov.uk>
Sent: 31 October 2022 13:57
To: delphinie.mccarthy@a2-studio.com
Subject: Environmental Information Off Carmoor Road, Manchester (ref 756693)
Attachments: 756693 PDF.pdf

Dear Ms McCarthy,

Further to your request for information relating to the above site, please find attached environmental information report.

Please let me know if you have any questions or need any further information.

Kind regards,

Rob

Robert Willcock
Environmental Protection
Environmental Health
The Neighbourhood Directorate
Manchester City Council

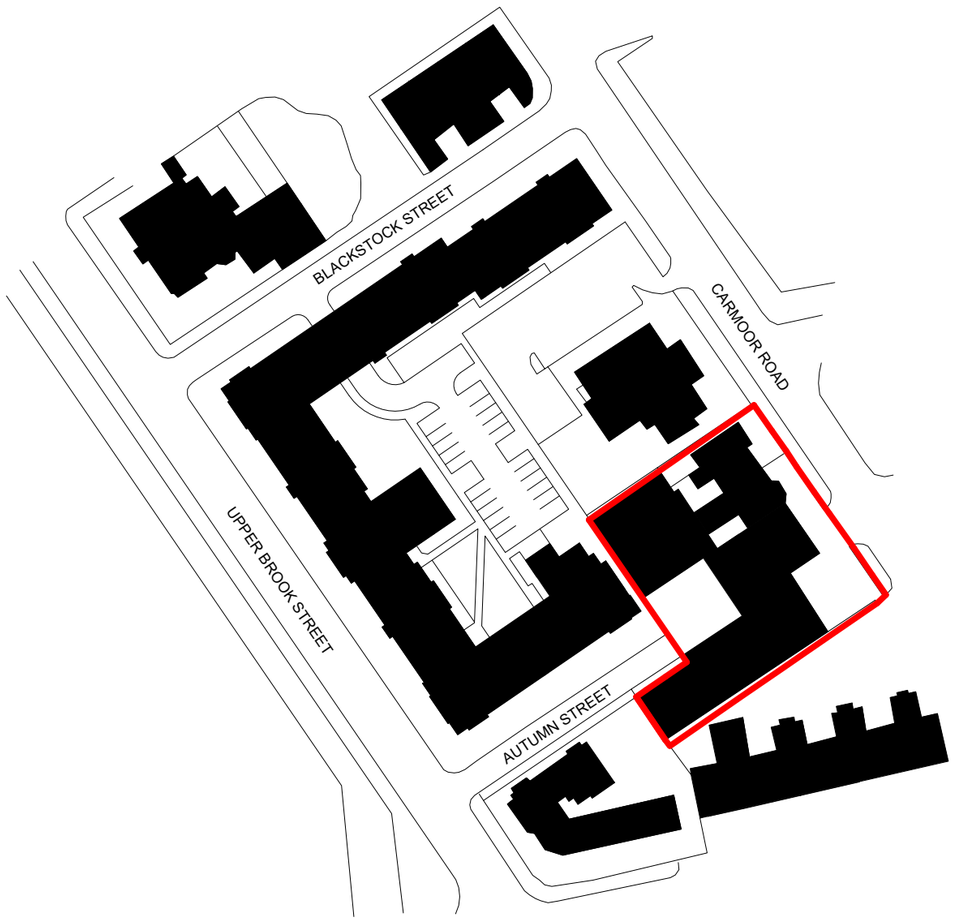
Email: robert.willcock@manchester.gov.uk
Website: www.manchester.gov.uk
Tel: 0161 234 5025
Internal: 35025
Mobile: 07810 818773

We are now on Twitter, for latest news and updates follow us @EnvHealthMcr

****
This email and any files transmitted with it are confidential and intended solely for the use of the individual or entity to whom they are addressed.
If you have received this email in error, please notify the system manager.
The full text of the Council's email disclaimer is available at: www.manchester.gov.uk/emaildisclaimer.
Your personal data is very important to us. Please refer to our privacy notice at: www.manchester.gov.uk/privacy for further information.

This footnote also confirms that this email message has been swept for the presence of computer viruses.
****

Appendix F: Proposed Development Plan



Location Plan
1 : 1250

Scale Bar 1:1250
0 5 10 20 40

NOTES:

No dimensions to be scaled from drawings. All dimensions to be checked on site prior to manufacture.

This drawing is to be read in conjunction with all relevant Structural Engineers and Mechanical & Electrical Engineers drawings and specification. Any discrepancies between drawings and site conditions are to be reported to the contract manager.

Areas are approximate and can only be verified by a detailed dimensional survey of the completed building. Any decisions to be made on the basis of these predictions, whether as to project viability, pre-letting, lease agreements or otherwise, should include due allowance for the increases and decreases inherent in the design development and building processes. Existing buildings may present anomalies in relation to surveyed/drawn plans that may also affect the stated areas. All areas are subject to Town Planning and Conservation Area Consent and detailed Rights to Light analysis.

Copyright of this drawing and all the information it contains is vested in Lechler Hayes Ltd and no licence or assignment of any kind has been, or is, granted to any third party whether by provision of copies or original or otherwise unless agreed in writing.

Architect:
Lechler Hayes Architects

Client:
tigerdevelopments

Site Boundary

REVISIONS

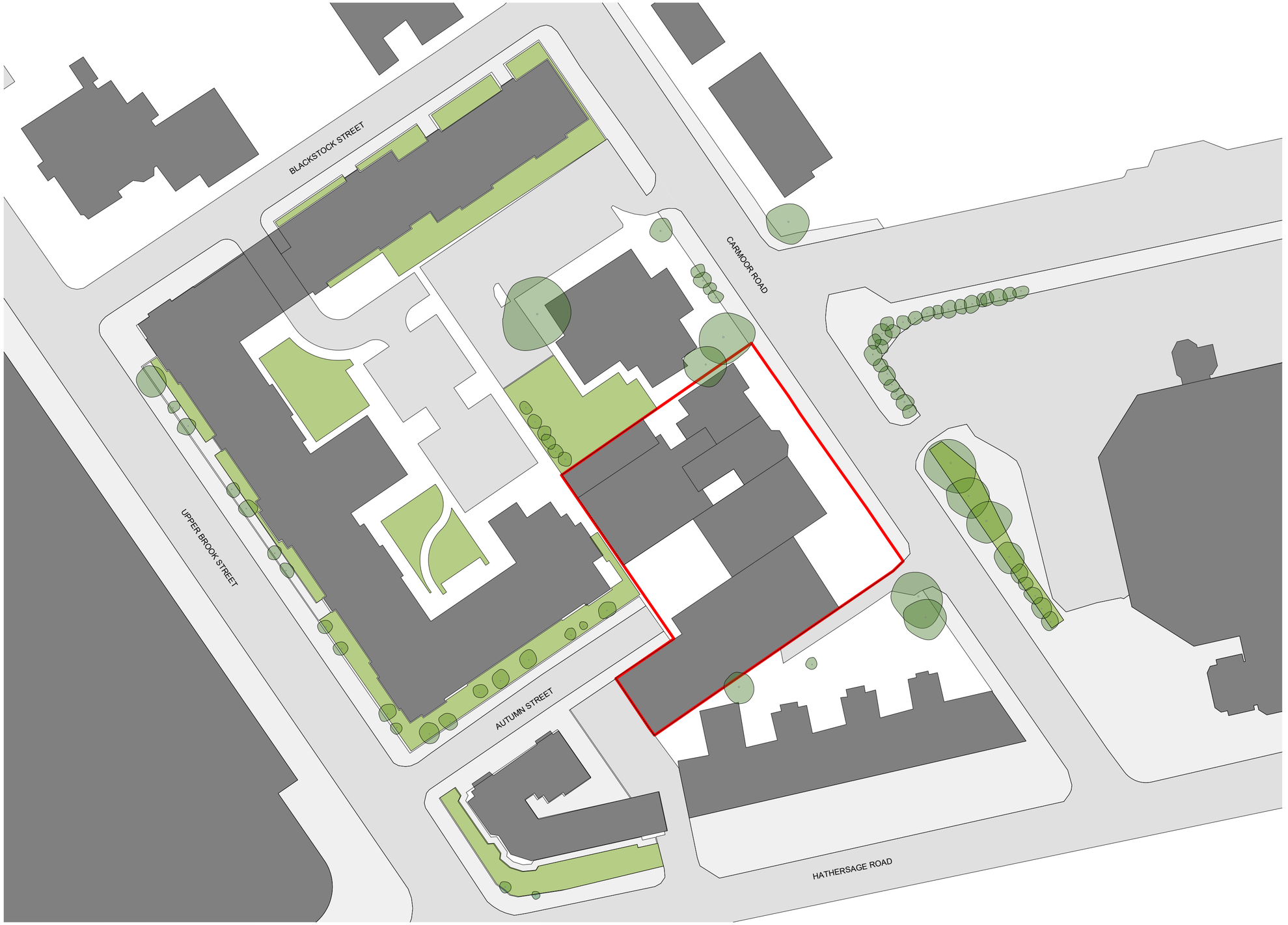
REV.	DATE	DESCRIPTION
P01	18.11.22	Planning submission.

Project
Carmoor Road for Tiger Developments Ltd

Title
Location Plan

Status:
PLANNING

Sheet size:	Project No.	Drawing No.	Rev.
1:1250 @ A3	2205	LHA-10-ZZ-DR-A-PL-001	P01



Site Plan - Existing
1 : 500

NOTES:

No dimensions to be scaled from drawings. All dimensions to be checked on site prior to manufacture.

This drawing is to be read in conjunction with all relevant Structural Engineers and Mechanical & Electrical Engineers drawings and specification. Any discrepancies between drawings and site conditions are to be reported to the contract manager.

Areas are approximate and can only be verified by a detailed dimensional survey of the completed building. Any decisions to be made on the basis of these predictions, whether as to project viability, pre-letting, lease agreements or otherwise, should include due allowance for the increases and decreases inherent in the design development and building processes. Existing buildings may present anomalies in relation to surveyed/drawn plans that may also affect the stated areas. All areas are subject to Town Planning and Conservation Area Consent and detailed Rights to Light analysis.

Copyright of this drawing and all the information it contains is vested in Lechler Hayes Ltd and no licence or assignment of any kind has been, or is, granted to any third party whether by provision of copies or original or otherwise unless agreed in writing.

Architect :

Lechler Hayes Architects

Client:

tigerdevelopments

Site Boundary

Scale Bar 1:500

0 5 10 20 40

REVISIONS

REV.	DATE	DESCRIPTION	APPD
P01	18.11.22	Planning submission.	

Project: Carmoor Road for Tiger Developments Ltd

Title: Site Plan - Existing

Status	Sheet size	Project No.	Drawing No.	Rev.
PLANNING	1:500 @ A2	2205	LHA-10-ZZ-DR-A-PL-002	P01



Site Plan
1 : 500

NOTES:

No dimensions to be scaled from drawings. All dimensions to be checked on site prior to manufacture.

This drawing is to be read in conjunction with all relevant Structural Engineers and Mechanical & Electrical Engineers drawings and specification. Any discrepancies between drawings and site conditions are to be reported to the contract manager.

Areas are approximate and can only be verified by a detailed dimensional survey of the completed building. Any decisions to be made on the basis of these predictions, whether as to project viability, pre-letting, lease agreements or otherwise, should include due allowance for the increases and decreases inherent in the design development and building processes. Existing buildings may present anomalies in relation to surveyed/drawn plans that may also affect the stated areas. All areas are subject to Town Planning and Conservation Area Consent and detailed Rights to Light analysis.

Copyright of this drawing and all the information it contains is vested in Lechler Hayes Ltd and no licence or assignment of any kind has been, or is, granted to any third party whether by provision of copies or original or otherwise unless agreed in writing.

Architect :

Lechler Hayes Architects

Client:

tigerdevelopments

Site Boundary

Scale Bar 1:500

0 5 10 20 40

REVISIONS

REV.	DATE	DESCRIPTION	APPD
P01	18.11.22	Planning submission.	

Project: Carmoor Road for Tiger Developments Ltd

Title: Site Plan - Proposed

Status	Sheet size	Project No.	Drawing No.	Rev.
PLANNING	1:500 @ A2	2205	LHA-10-ZZ-DR-A-PL-003	P01



Level 00 Plan
1 : 200

Scale Bar 1:200
0 5 10

NOTES:

No dimensions to be scaled from drawings. All dimensions to be checked on site prior to manufacture.

This drawing is to be read in conjunction with all relevant Structural Engineers and Mechanical & Electrical Engineers drawings and specification. Any discrepancies between drawings and site conditions are to be reported to the contract manager.

Areas are approximate and can only be verified by a detailed dimensional survey of the completed building. Any decisions to be made on the basis of these predictions, whether as to project viability, pre-letting, lease agreements or otherwise, should include due allowance for the increases and decreases inherent in the design development and building processes. Existing buildings may present anomalies in relation to surveyed/drawn plans that may also affect the stated areas. All areas are subject to Town Planning and Conservation Area Consent and detailed Rights to Light analysis.

Copyright of this drawing and all the information it contains is vested in Lechler Hayes Ltd and no licence or assignment of any kind has been, or is, granted to any third party whether by provision of copies or original or otherwise unless agreed in writing.

Architect :

Lechler Hayes Architects

Client:

tigerdevelopments

B
A

REVISIONS

Rev.	DATE	DESCRIPTION	APPD
P01	18.11.22	Planning submission.	

Project: Carmoor Road for Tiger Developments Ltd

Title: Level 00 Plan

Status	Sheet size.	Project No.	Drawing No.	Rev.
PLANNING	1:200 @ A1	2205	LHA-20-00-DR-A-PL-010	P01



Level 01 Plan
1 : 200

Scale Bar 1:200
0 5 10

NOTES:

No dimensions to be scaled from drawings. All dimensions to be checked on site prior to manufacture.

This drawing is to be read in conjunction with all relevant Structural Engineers and Mechanical & Electrical Engineers drawings and specification. Any discrepancies between drawings and site conditions are to be reported to the contract manager.

Areas are approximate and can only be verified by a detailed dimensional survey of the completed building. Any decisions to be made on the basis of these predictions, whether as to project viability, pre-letting, lease agreements or otherwise, should include due allowance for the increases and decreases inherent in the design development and building processes. Existing buildings may present anomalies in relation to surveyed/drawn plans that may also affect the stated areas. All areas are subject to Town Planning and Conservation Area Consent and detailed Rights to Light analysis.

Copyright of this drawing and all the information it contains is vested in Lechler Hayes Ltd and no licence or assignment of any kind has been, or is, granted to any third party whether by provision of copies or original or otherwise unless agreed in writing.

Architect :

Lechler Hayes Architects

Client:

tigerdevelopments

B
A

REVISIONS

Rev.	DATE	DESCRIPTION	APPD
P01	18.11.22	Planning submission.	

Project: Carmoor Road for Tiger Developments Ltd

Title: Level 01 Plan

Status	Sheet size.	Project No.	Drawing No.	Rev.
PLANNING	1:200 @ A1	2205	LHA-20-01-DR-A-PL-011	P01



Level 02 Plan
1 : 200

Scale Bar 1:200
0 5 10

NOTES:

No dimensions to be scaled from drawings. All dimensions to be checked on site prior to manufacture.

This drawing is to be read in conjunction with all relevant Structural Engineers and Mechanical & Electrical Engineers drawings and specification. Any discrepancies between drawings and site conditions are to be reported to the contract manager.

Areas are approximate and can only be verified by a detailed dimensional survey of the completed building. Any decisions to be made on the basis of these predictions, whether as to project viability, pre-letting, lease agreements or otherwise, should include due allowance for the increases and decreases inherent in the design development and building processes. Existing buildings may present anomalies in relation to surveyed/drawn plans that may also affect the stated areas. All areas are subject to Town Planning and Conservation Area Consent and detailed Rights to Light analysis.

Copyright of this drawing and all the information it contains is vested in Lechler Hayes Ltd and no licence or assignment of any kind has been, or is, granted to any third party whether by provision of copies or original or otherwise unless agreed in writing.

Architect :

Lechler Hayes Architects

Client:

B
A

REVISIONS

Rev.	DATE	DESCRIPTION	APPD
P01	18.11.22	Planning submission.	

Project: Carmoor Road for Tiger Developments Ltd

Title: Level 02 Plan

Status	Sheet size.	Project No.	Drawing No.	Rev.
PLANNING	1:200 @ A1	2205	LHA-20-02-DR-A-PL-012	P01



Level 03 Plan
1 : 200

Scale Bar 1:200
0 5 10

NOTES:

No dimensions to be scaled from drawings. All dimensions to be checked on site prior to manufacture.

This drawing is to be read in conjunction with all relevant Structural Engineers and Mechanical & Electrical Engineers drawings and specification. Any discrepancies between drawings and site conditions are to be reported to the contract manager.

Areas are approximate and can only be verified by a detailed dimensional survey of the completed building. Any decisions to be made on the basis of these predctions, whether as to project viability, pre-letting, lease agreements or otherwise, should include due allowance for the increases and decreases inherent in the design development and building processes. Existing buildings may present anomalies in relation to surveyed/drawn plans that may also affect the stated areas. All areas are subject to Town Planning and Conservation Area Consent and detailed Rights to Light analysis.

Copyright of this drawing and all the information it contains is vested in Lechler Hayes Ltd and no licence or assignment of any kind has been, or is, granted to any third party whether by provision of copies or original or otherwise unless agreed in writing.

Architect :

Lechler Hayes Architects

Client:

tigerdevelopments

B
A

REVISIONS			
P01	18.11.22	Planning submission.	
Rev.	DATE	DESCRIPTION	APPD

Project: Carmoor Road for Tiger Developments Ltd

Title: Level 03 Plan

Status	Sheet size.	Project No.	Drawing No.	Rev.
PLANNING	1:200 @ A1	2205	LHA-20-03-DR-A-PL-013	P01



Level 04 Plan
1 : 200

Scale Bar 1:200
0 5 10

NOTES:

No dimensions to be scaled from drawings. All dimensions to be checked on site prior to manufacture.

This drawing is to be read in conjunction with all relevant Structural Engineers and Mechanical & Electrical Engineers drawings and specification. Any discrepancies between drawings and site conditions are to be reported to the contract manager.

Areas are approximate and can only be verified by a detailed dimensional survey of the completed building. Any decisions to be made on the basis of these predictions, whether as to project viability, pre-letting, lease agreements or otherwise, should include due allowance for the increases and decreases inherent in the design development and building processes. Existing buildings may present anomalies in relation to surveyed/drawn plans that may also affect the stated areas. All areas are subject to Town Planning and Conservation Area Consent and detailed Rights to Light analysis.

Copyright of this drawing and all the information it contains is vested in Lechler Hayes Ltd and no licence or assignment of any kind has been, or is, granted to any third party whether by provision of copies or original or otherwise unless agreed in writing.

Architect :

Lechler Hayes Architects

Client:

tigerdevelopments

B
A

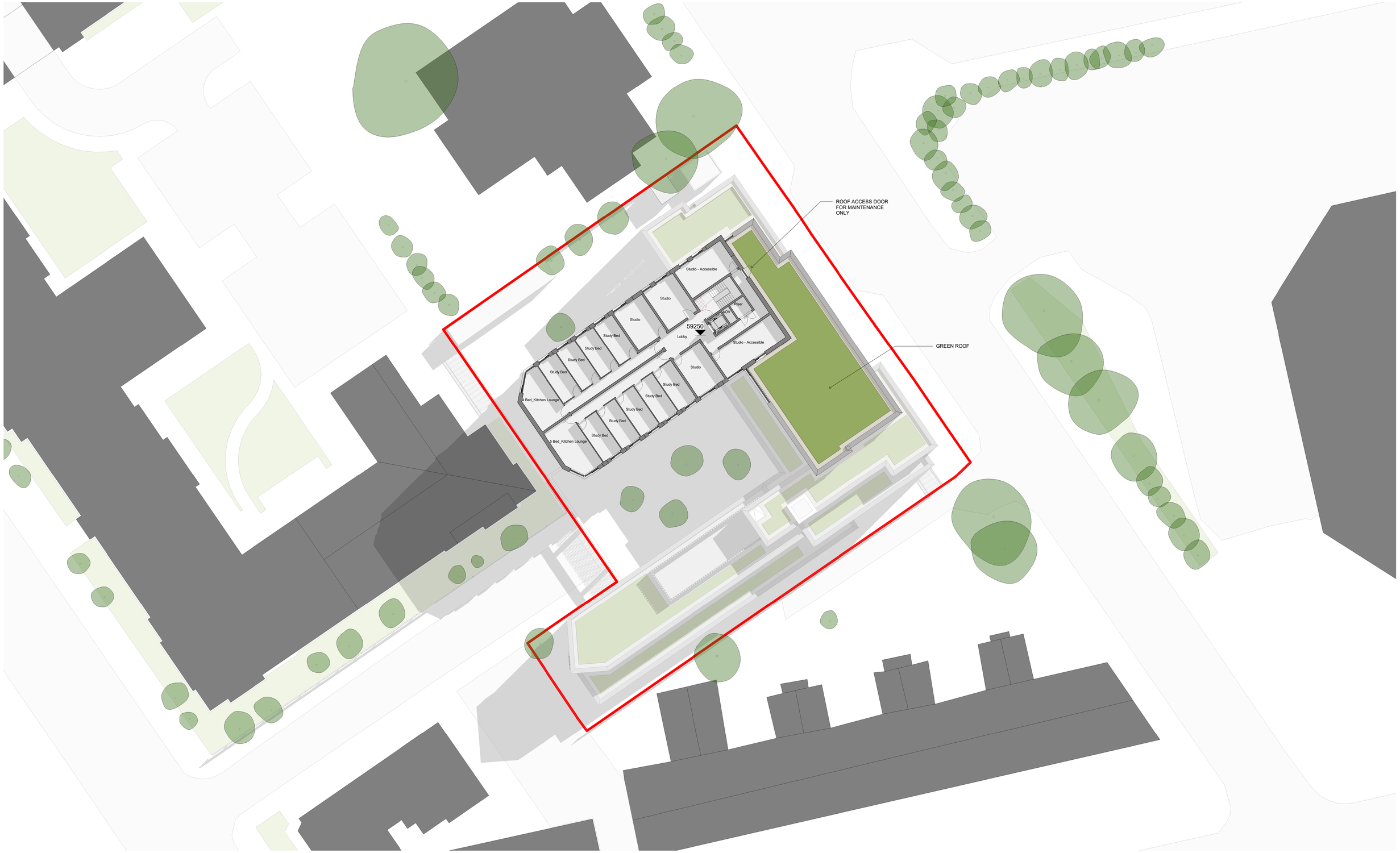
REVISIONS

Rev.	DATE	DESCRIPTION	APPD
P01	18.11.22	Planning submission.	

Project: Carmoor Road for Tiger Developments Ltd

Title: Level 04 Plan

Status	Sheet size.	Project No.	Drawing No.	Rev.
PLANNING	1:200 @ A1	2205	LHA-20-04-DR-A-PL-014	P01



Level 05 Plan
1 : 200

Scale Bar 1:200
0 5 10

NOTES:

No dimensions to be scaled from drawings. All dimensions to be checked on site prior to manufacture.

This drawing is to be read in conjunction with all relevant Structural Engineers and Mechanical & Electrical Engineers drawings and specification. Any discrepancies between drawings and site conditions are to be reported to the contract manager.

Areas are approximate and can only be verified by a detailed dimensional survey of the completed building. Any decisions to be made on the basis of these predictions, whether as to project viability, pre-letting, lease agreements or otherwise, should include due allowance for the increases and decreases inherent in the design development and building processes. Existing buildings may present anomalies in relation to surveyed/drawn plans that may also affect the stated areas. All areas are subject to Town Planning and Conservation Area Consent and detailed Rights to Light analysis.

Copyright of this drawing and all the information it contains is vested in Lechler Hayes Ltd and no licence or assignment of any kind has been, or is, granted to any third party whether by provision of copies or original or otherwise unless agreed in writing.

Architect :

Lechler Hayes Architects

Client:

tigerdevelopments

B
A

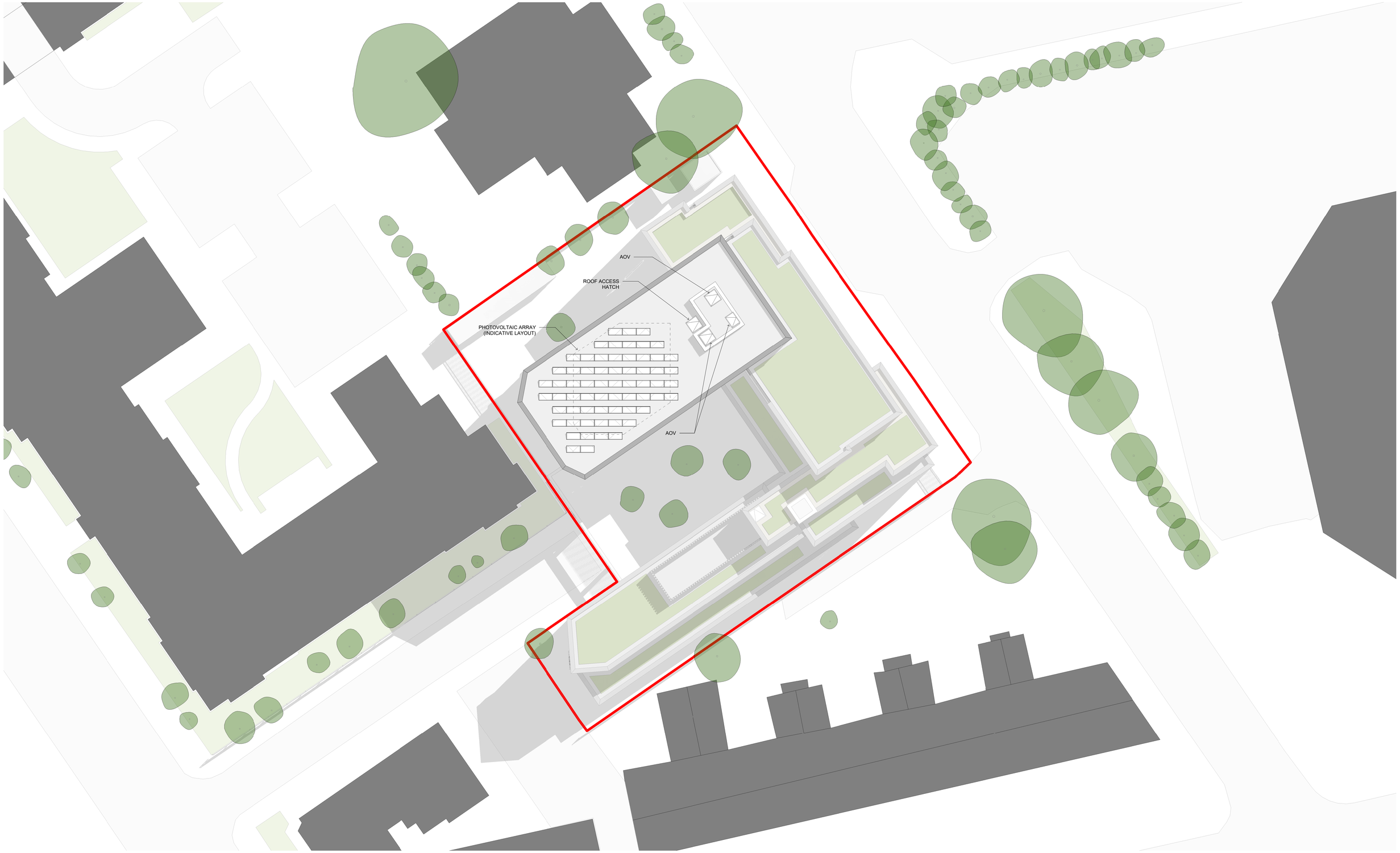
REVISIONS

Rev.	DATE	DESCRIPTION	APPD
P01	18.11.22	Planning submission.	

Project: Carmoor Road for Tiger Developments Ltd

Title: Level 05 Plan

Status	Sheet size.	Project No.	Drawing No.	Rev.
PLANNING	1:200 @ A1	2205	LHA-20-05-DR-A-PL-015	P01



Roof Plan
1 : 200

Scale Bar 1:200
0 5 10

NOTES:

No dimensions to be scaled from drawings. All dimensions to be checked on site prior to manufacture.

This drawing is to be read in conjunction with all relevant Structural Engineers and Mechanical & Electrical Engineers drawings and specification. Any discrepancies between drawings and site conditions are to be reported to the contract manager.

Areas are approximate and can only be verified by a detailed dimensional survey of the completed building. Any decisions to be made on the basis of these predictions, whether as to project viability, pre-letting, lease agreements or otherwise, should include due allowance for the increases and decreases inherent in the design development and building processes. Existing buildings may present anomalies in relation to surveyed/drawn plans that may also affect the stated areas. All areas are subject to Town Planning and Conservation Area Consent and detailed Rights to Light analysis.

Copyright of this drawing and all the information it contains is vested in Lechler Hayes Ltd and no licence or assignment of any kind has been, or is, granted to any third party whether by provision of copies or original or otherwise unless agreed in writing.

Architect :

Lechler Hayes Architects

Client:

tigerdevelopments

B
A

REVISIONS

Rev.	DATE	DESCRIPTION	APPD
P01	18.11.22	Planning submission.	

Project: Carmoor Road for Tiger Developments Ltd

Title: Roof Plan

Status	Sheet size.	Project No.	Drawing No.	Rev.
PLANNING	1:200 @ A1	2205	LHA-20-RF-DR-A-PL-016	P01

Appendix G: Consultants Coal Mining Report

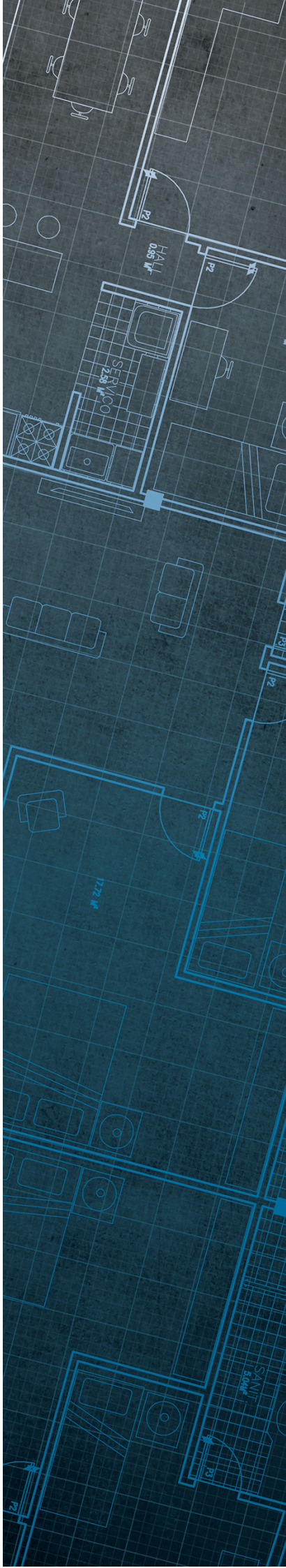
The Coal Authority

Consultants

Coal Mining Report

Rafters Garage, 90
Carmoor Road
Manchester
Greater Manchester
M13 0FB

Date of enquiry:	**28 October 2022**
Date enquiry received:	**28 October 2022**
Issue date:	**28 October 2022**
Our reference:	**51003321486001**
Your reference:	**303236239_3**



Consultants

Coal Mining Report

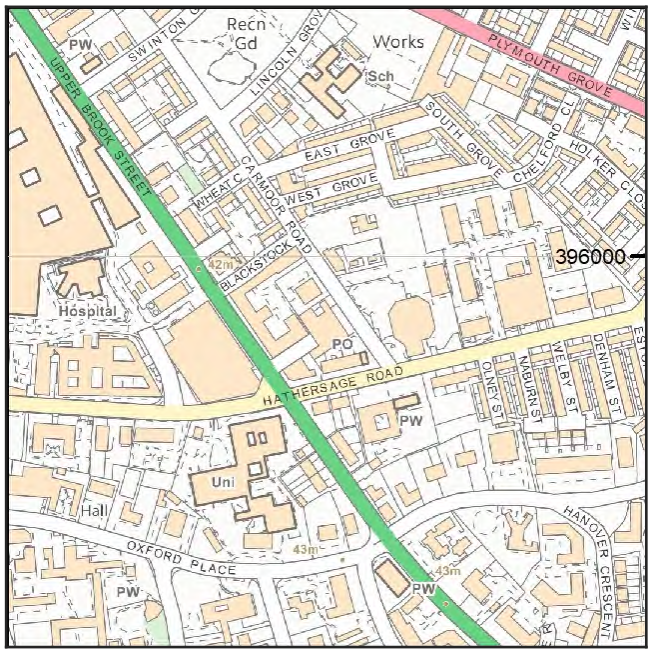
This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

NLIS Hub

Enquiry address

Rafters Garage, 90
Carmoor Road
Manchester
Greater Manchester
M13 0FB



Approximate position of property

Reproduced by permission of Ordnance Survey on behalf of HMSO. © Crown copyright and database right 2018. All rights reserved.

Ordnance Survey Licence number: 100020315

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

@coalauthority
/company/the-coal-authority
/thecoalauthority
/thecoalauthority

Section 1 – Mining activity and geology

Past underground mining
No past mining recorded.

Probable unrecorded shallow workings
None.

Spine roadways at shallow depth
No spine roadway recorded at shallow depth.

Mine entries
None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers
None available.

Outcrops
No outcrops recorded.

Geological faults, fissures and breaklines
No faults, fissures or breaklines recorded.

Opencast mines
None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips
None recorded within 500 metres of the enquiry boundary.

Copyright © 2022 The Coal Authority

Section 2 – Investigative or remedial activity

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

Site investigations
None recorded within 50 metres of the enquiry boundary.

Remediated sites
None recorded within 50 metres of the enquiry boundary.

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

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

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

Mine gas
None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes
None recorded within 500 metres of the enquiry boundary.

Copyright © 2022 The Coal Authority

Section 3 – Licensing and future mining activity

Future underground mining
None recorded.

Coal mining licensing
None recorded within 200 metres of the enquiry boundary.

Court orders
None recorded.

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

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

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

Payments to owners of former copyhold land
The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Copyright © 2022 The Coal Authority

Section 4 – Further information

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

Copyright © 2022 The Coal Authority

Section 5 – Data definitions

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

Past underground coal mining

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

Probable unrecorded shallow workings

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

Spine roadways at shallow depth

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

Mine entries

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

Abandoned mine plan catalogue numbers

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

Outcrops

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

Geological faults, fissures and breaklines

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

Copyright © 2022 The Coal Authority

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

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

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

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

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

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

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

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

Copyright © 2022 The Coal Authority

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

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

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

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

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

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

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

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

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

Copyright © 2022 The Coal Authority

The Coal Authority

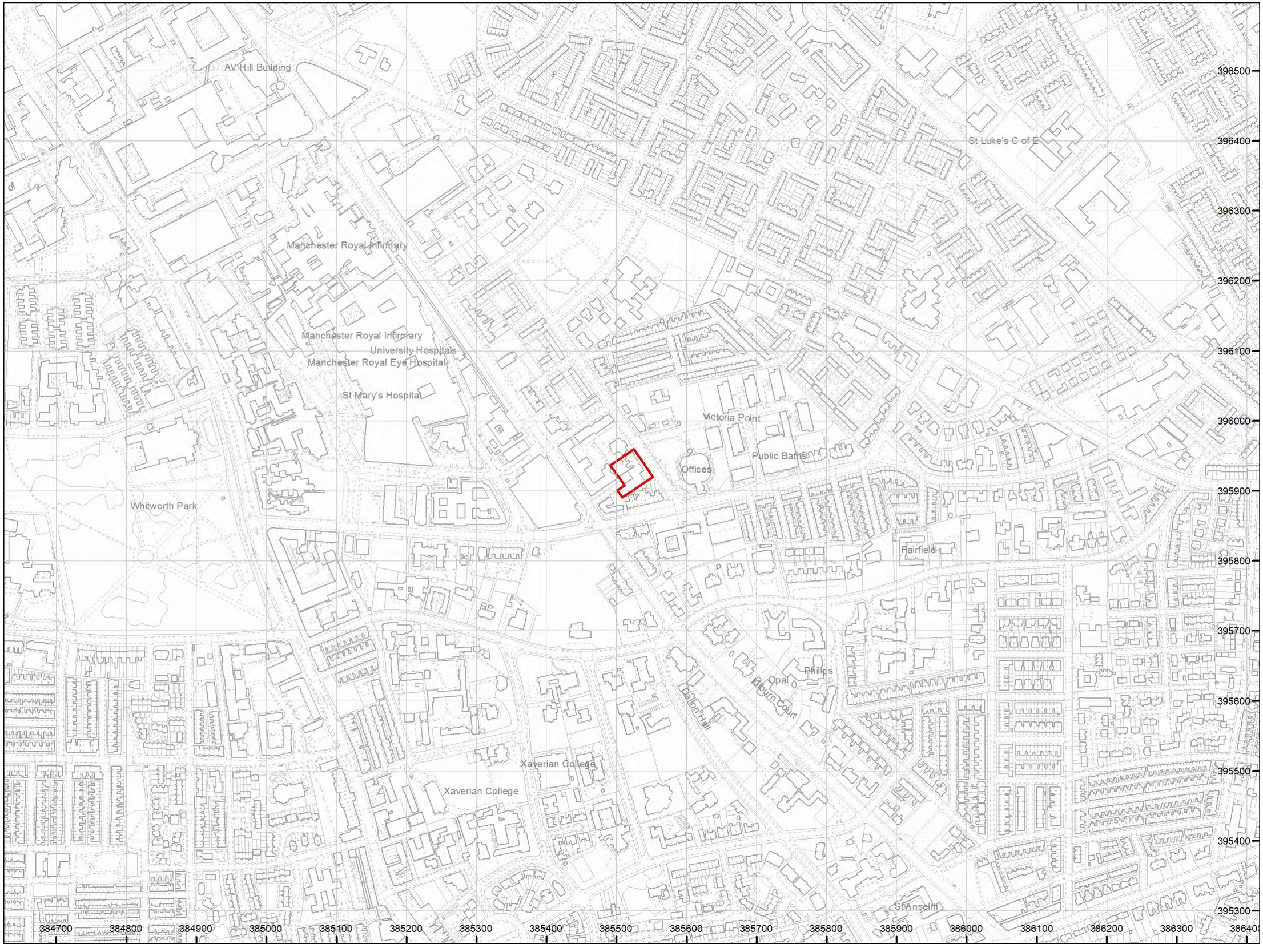
Summary of findings

Reproduced by permission of Ordnance Survey on behalf of HMSO.
© Crown copyright and database right 2018. All rights reserved.
Ordnance Survey Licence number: 100020315
Map data

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

Key

Approximate position of the enquiry boundary shown



How to contact us
0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com

A-squared Studio

A-squared Studio Engineers Ltd
One Westminster Bridge Rd
London, SE1 7XW

020 7620 2868
contact@a2-studio.com
www.a2-studio.com