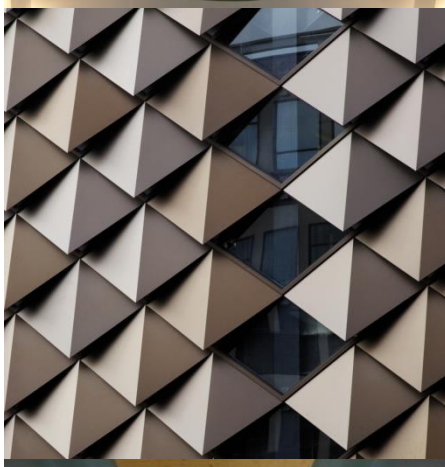
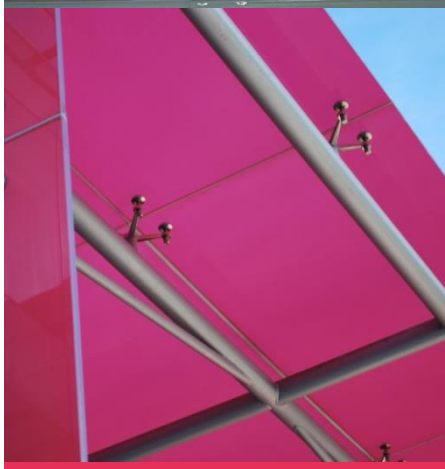








St Johns Campus

Demolition Specification & Outline Method Statement

Curtins Ref: 074458-CUR-ZZ-ZZ-RP-S-000100

Revision: P03

Issue Date: 01 March 2023

Client Name: St John Campus Ltd

Client Address: 8th Floor, 26 Cross Street, Manchester M2 7AQ

Site Address: 2 New Quay Street, Manchester, M3 3BE.

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STRUCTURES TRANSPORT PLANNING ENVIRONMENTAL CIVIL & INFRASTRUCTURE EXPERT ADVICE SUSTAINABILITY STAKEHOLDER ENGAGEMENT

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Rev	Date	Description	Author	Checked	Approved
P01	01/03/2023	Initial Issue	HS	KG	VC
P02	11/04/2023	2nd Issue	HS	KG	VC
P03	27/09/2023	3nd Issue. Building Description update only	HS	KG	VC

This specification has been prepared for the sole benefit, use, and information for the client. The liability of Curtins Consulting Limited with respect to the information contained in the specification will not extend to any third party.

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1.0 Overview

This specification deals with the demolition and enabling works associated with the St Johns Campus development, Manchester in the context of the requirements for, but not exclusive to, Site preparatory works, Surveys, Health and Safety, site management, treatment of hazardous materials and the finished condition of the site as defined on Curtins and the Architect's drawings and in the Definitions section of this specification.

This document shall be read in conjunction with the general conditions of contract and all associated tender documentation, specifications and drawings and shall not preclude the Contractor from any of their responsibilities defined therein. Reference should be made to the relevant Documents that form the "Building Contract".

These documents contain information specific to the Demolition works and shall be considered to accompany the performance criteria defined in the architectural and building services engineering specifications and drawings included within the tender documentation. The design shall also comply with all relevant Health & Safety requirements.

Preamble

The drawings and this Specification shall be regarded as the "Project Specification" for the defined extent of the works.

This specification forms part of the tender and contract documents for the Project as defined in Definitions below.

It is deemed that the Contractor has inspected this specification, is able to comply with it, and has allowed for all its requirements particularly in terms of cost, site constraints and programme.

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Definitions

The Contractor has responsibility for the demolition works and that of any Sub-Contractor's employed as part of the works. As sole contractor acting on a site they will be considered as "Principal Contractor" engaged directly by the client.

The Works'

Name: St Johns Campus, Manchester

Description:

This report has been prepared by Curtins on behalf of St Johns Manchester Ltd, a subsidiary of HBD, and is submitted in support of an application for full planning permission at land bound by New College Street, New Quay Street, NCP car park and Gartside Street, otherwise known as "St John's Campus". The description of development is as follows:

Demolition of the existing buildings and structures and the erection of a 16-storey office building (Use Class E(g)), with flexible ground floor uses (Use Class E), rooftop amenity space and works to facilitate public realm improvements.

This development is to be of sustainable construction and high quality design. The building will offer flexible office accommodation which will meet the needs of a range of tenants and also provide ground floor commercial uses which will activate the ground floor frontage creating a unique arrival experience.

The proposed development is described fully in the Design and Access Statement prepared by EPR Architects and presented on the application drawings. The application proposals have been developed in consultation with Manchester City Council ("MCC") Officers and other key stakeholders.

Location:

2 New Quay Street, Manchester Post Code: M2 7AQ.

The National grid reference for the site is SJ 85312 98957.

Reference	Company Details	Contact	Tel No
Client	St John Campus Ltd Henry Boot Development 8th Floor, 26 Cross Street, Manchester, M2 7AQ	Lee Treanor	07812180541
Contract Administrator	Arcadis	Anthony Smith	07967 393143
Architect	Manchester Studio EPR Architects York House, 20 York Street Manchester M2 3BB	Jenny Anderson-Jones	07793 076456
Structural Engineer	Curtins Merchant Exchange 17-19 Whitworth St, M1 5WG	Victoria Checkley	0161 236 9496

M&E Consultant	Hoare Lea Royal Exchange Manchester M2 7FL	Vanessa Wall	07855 109 421
Principal Contractor	Main Contractor responsible for the works – Demolition Contractor if appropriate - TBC	n/a	
Contractor	Demolition Contractor TBC	n/a	

'Contractor' The term "Contractor" shall refer to the company/firm responsible for the demolition and site clearance of the works described on the drawings and in the letter of invitation to tender (if appropriate). In some instances, the situation may arise that they may be deemed to be the Principal Contractor with the associated Health and Safety obligations.

'Design Drawings' Curtins's, Architect and other designers' (where appropriate) drawings are the 'Design Drawings'. General dimensions, setting-out requirements, and any specific requirements will be defined on these drawings, sufficient to define the extent of the proposed works.

Any historic drawings pertinent to the structures that are defined within the proposed works will be provided but these should be treated with manner in which they are provided.

'Subcontractors' Other subcontractors responsible for design, detailing and construction of elements of the project. In particular, other subcontractors with whom the Steelwork Contractor must co-ordinate and liaise, both in terms of construction and design/detailing.

'**Other Designers'** Design team members other than the Engineer and Architect. Includes specialist sub-contractors, theatre designers, interior designers etc.

2.0 Contract Particulars

It is the responsibility of the Employer to provide appropriate information for the intended works. Section 2.1.1 outlines the information to be provided by the consultant team. The list is not exhaustive, and reference should be made to the Design Drawings or information in the Project Specification.

Precedence

Where there is a conflict in specified requirements the Project Specification takes precedence over other documents.

2.1 Consultant Team Information

The following tables define the principal responsibilities and information to be provided by the Consultant Engineer, Architect and client associated with the demolition works

2.1.1 Design Responsibility Matrix – Information

Activity	Engineer	Architect	Principle Designer	MEP	Demolition Contractor
Site Location Plan	A	L			
Planning boundary		L			
Site Access and Egress Strategy	A	A			L
Existing Building Plans	A	A	L		
Existing Site Information			L		
Existing Services Information			L	A	
Existing Drainage Information	A		L		
Proposed site plan showing finished levels and proposed finish	A	L			

L = Lead (coordinate), D= Design and A= Advise

The contractor must refer to both the Engineer's and the Architect's drawings and report any conflicts.

The contractor must co-ordinate dimensional and detail information from both the Architect's, Engineer's and specialist subcontractor drawings.

Overall setting-out is shown on the Architect's drawings. Other, detailed, setting-out is shown on the Engineer's drawings.

2.2 General Requirements

The Contractor shall take full responsibility for the specified works, and ensure they comply with the provisions outlined in this specification. The Contractor shall identify any conflicting information and bring this to the attention of the CA and advice sought. Notwithstanding the above, the Contractor will be required to complete the following: -

2.3 Compliance with drawings and specification

The whole of the works encompassed by the Invitation to Tender including the buildings to be demolished together with all the related site clearance, protection of adjacent buildings and services both during the works and upon completion and site fencing shall be carried out strictly in accordance with the drawings provided by the Contract Administrator and with this Specification. All work shall be carried out in compliance with the British Standard Code of Practice BS6187 "Code of Practice for Demolition, (and where appropriate BS5609 "Safe Use of Explosives").

2.4 Form of contract and form of tender

The form of contract shall be the National Federation of Demolition Contractors Limited Form of Direct Contract 2020 Edition.

The tender shall be submitted on the Form of Tender supplied and shall be an accurate fixed price lump sum based on the drawing(s) and specification(s) supplied with the tender documents. The Contractor shall indicate in their tender the sum of money he expects to realise by the sale of materials removed from the site. This shall be indicated as a credit towards the Employer for the value of materials arising from the work exceeding the Tender for demolition work, the difference between these amounts will be required to be paid to the Employer before the commencement of the work.

2.5 Site start

The Contractor shall state in their tender the period of time they require between receipt of order and commencement of demolition works together with the length of time the Contract shall take from commencement to completion. If so, required by the Contract Administrator the Contractor shall submit for approval a detailed programme of the demolition works and date of commencement.

The Contractor shall also state the length of time their tender is valid.

2.6 Inspection

The contractor shall visit the site to ascertain the nature and extent of the work involved before submitting their tender. The tender shall include information enabling the costs incidental to the demolition of the work to be accurately assessed.

Examples of such items to be included are: -

a) Work involved in gaining access to the site e.g., widening of openings etc.

b) Necessity for the removal of overhead wires.

c) Details of any ramps required between changes of level.

Any points not so noted in the tender shall be deemed to be included in the Contractor's own tender figure.

Tendering contractors will be expected to visit the site to inspect site conditions and understand the works prior to returning a completed tender. They must also submit a detailed programme of demolition works identifying all key activities within the tender return, and all demolition is to be in accordance with BS6187:2011, Code Of Practice For Demolition.

2.7 Variations

The Contract Administrator may, without invalidating the Contract, vary the works by increasing or decreasing the amount as they consider necessary for the completion of the Work. Such variations shall be measured and valued by the Contract Administrator in accordance with the conditions laid down in the National Federation of Demolition Contractors Limited Form of Direct Contract 2020 Edition.

2.8 Mud, water supply and dust

Before leaving the site, all vehicles shall be hosed down and all mud removed from the tyres of vehicles. The Contractor will be responsible for ensuring that the surface to adjoining roads remain clean at all times during the Contract.

The Contractor is to arrange with the Local Water Authority for the provision of temporary standpipes near the areas being cleared and is to pay all charges for temporary water supplies and hoses.

Lorry loads of demolition material and rubbish are to be sprayed with water to keep down dust and each loading and pulling down operation is to be sprayed continuously.

2.9 Insurances

The Contractor shall, during the continuance of the Contract, effect and maintain in terms to be approved by the Employer (and shall cause any sub-contractor to effect and maintain) all insurances required as specified in the Standard Form of Building Contract.

2.10 CDM

The appointed contractor must submit detailed method statements and satisfy the Principal Designer on all Health and Safety aspects.

Nothing in this specification should be taken as an instruction to adopt working methods which contravene the CDM Regulations, and all Contractors/Sub-contractors etc are responsible for ensuring safe procedures which comply with the Regulations.

3.0 Design Standards and Bye Laws

The Contractor shall comply in all respects with local bye-laws and statutory requirements with all current legislation and should seek the appropriate approvals for demolition, either as part of a general building contract or as a separate, direct contract. The list is relevant to general approvals and does not include local byelaws and legislation applicable to particular site conditions (e.g. party wall rights), hazards and processes. The list not exhaustive and the contractor should complete further enquiries to discharge any planning conditions or restrictions.

- Planning (Listed Buildings and Conservation Areas) Act 1990. Extends to England and Wales Section 7 : Control of works in respect of listed building.
- Section 74 : Control of demolition in conservation areas.
- Planning and Compensation Act 1991. Extends to England, Wales and Scotland.
- Section 13: Demolition of buildings.
- Building Act 1984. Extends to England and Wales.
- Section 80 : Notice to local authority of intended demolition.
- Control of Pollution Act 1974. Extends to England, Wales and Scotland.
- Section 61: Prior consent for work on construction sites (Noise and Vibration).
- Highways Act 1980. Extends to England and Wales.
- Section 165: Dangerous land adjoining street.
- Section 167: Powers relating to retaining walls near streets.
- Section 169: Control of scaffolding on highways.
- Section 172: Hoardings to be set up during building etc
- See also full list in rear of BS 6187:2011.

Codes of Practice

British Standards Institution

BS 1722: 2006 - Fences

BS 6187:2011 - Code of practice for demolition

Health and Safety Executive Control of Asbestos Regulations 2012

Approved Code of Practice L143: The control of asbestos at work.

Any other standard code or specification mentioned in the body or preface of the above to be considered as part of this specification.

4.0 Proposed Works

4.1 Overview

The existing structure on site to be demolition comprises of a 4-storey steel frame masonry cladded building constructed around 2000 and currently occupied by The Manchester College.

For the redline boundary refer to information contained in APPENDIX A. The site boundary and hoarding line is to be developed in line with the contractor's requirements, it is expected that footway or road closures will be required as part of the works.

Reference should be made to the Principal Designer's Pre-Tender Health & Safety Information for further details.

The Demolition Contractor is to provide a logistics plan with regards to site access and requirements for local road closures to undertake the works.

The superstructure, substructure and foundations are to be completely demolished. All additional demolition material is to be removed from site. This includes all superstructure and substructure elements as well as other residual demolition material

4.2 Site Description

The existing building, originally constructed around the year 2000 is currently occupied by The Manchester College. It is flanked on three sides by Gartside Street *(private)*, New College Street *(private)* and New Quay Street with key routes in and out of Manchester.

The existing structure is a 4-storey steel frame masonry cladded building. The premises directly adjacent to the site in a 10-storey NCP car park accessed via New College Street, a one-way street. A substation is located within the red line boundary and abuts the neighbouring car park. Gartside Street is a link road, connecting St John's to Bridge Street.

In addition, there are number of services, service ducts and drainage run along vehicle access route. The demolition contractors proposed deconstruction methodology and equipment should be coordinated to avoid disruption of these.

4.3 Building Description.

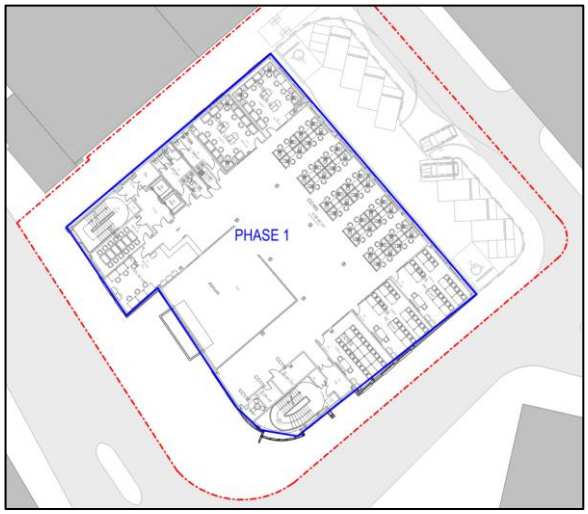
There is limited archive information relating to the existing structures identified for demolition. A measured survey has been undertaken, see Appendix B for details. The 4-storey structure appears to comprise of a steel frame cladded in masonry façade. Upon entrance via New Quay Street there is an atrium from ground floor to third floor. The fourth level extends on New Quay Street and occupies approximately just under half of the building footprint.

It is assumed that the internal steel columns are supported from shallow reinforced concrete pad foundations and the perimeter steel columns are supported on shallow reinforced concrete strip foundations.

There is no archive information defining how the existing buildings are stabilised under lateral and longitudinal loadings but from observations there appears to be two mechanisms. We suggest that stability is achieved through a combination of sway frame action from the reinforced concrete columns at roof level and shear wall action within the masonry located within the stair cores. These forces are in turn transferred to the underlying spread foundations.

4.4 Extent & Phasing

Demolition Phasing is to be proposed and agreed by the design team for the building taking into account working space, existing buildings and site access. In the absence of a demolition contractor the phasing below should be assumed for stage 3 the whole building is dismantled in a single phase. See EPR demolition drawings for latest demolition drawings.



4.5 Sub-station

An existing HV electrical sub-station is present on the site which shall remain in use. Refer to Hoare Lee Stage 3 proposals for location of temporary substation.

5.0 Demolition Scope

This document should be read in conjunction with the prelim documents and all other applicable contract documents with any discrepancies to be brought to the attention of the Principle Designer.

General responsibilities of the demolition contractor are noted within the Curtins Consulting Demolition Specification contained in Section 6 and 7

All earthworks and filling where required will be undertaken in accordance with the Curtins Consulting Earthworks and Filling Specification contained in Section 8. This is to be carried out by the contractor as part of the contract.

5.1 Site Management

The contractor must be mindful and account for the following:

- Prevention of nuisance to the public and neighbouring properties and businesses.
- Working hours in accordance with Local Authority requirements.
- Dust suppression. The Contractor's proposal for dust suppression to be submitted to the design team for approval at least 1 week prior to start on site.
- Vibration.
- Noise.
- Safe and co coordinated stockpiling of materials.
- Noxious odours.
- Licensed waste disposal.
- Fire prevention.

The contractor must also note the position of the site relative to the surrounding buildings and the complexities of the site layout which is shown APPENDIX A.

The contractor must liaise with the relevant authorities for access prior to commencement of any demolition works.

5.2 Access and Egress

A traffic management plan must be submitted, clearly identifying how the works will be accessed for the demolition contract duration. The demolition contractor will take possession of the whole site for the duration of the works and the site boundaries must be maintained adequately for the whole duration of the works.

The contractor must establish safe access and egress for staff and visitors throughout the site during the entire contract period.

5.3 Drains and Services

Prior to site set up the contractor should complete a drainage survey prior to demolition, to include the drains identified in APPENDIX B. The contractor should complete a survey of the same drains upon completion to validate their condition after completion of the demolition works. Any drains that are recorded damaged should be brought to the attention of the CA.

Locate and disconnect all disused drain connections and seal within the site to the approval of the engineer. Refer to APPENDIX B for the approximate extent of the existing drainage on site in the areas of proposed demolition.

Record the location of each service termination at the boundary of the site and include this information within the Health and Safety File.

5.3.1 Drains in use:

Protect drains, manholes, inspection chambers, gullies, vent pipes, and fittings still in use to ensure that they remain free of debris at all times. See topographical drawing in that shows the existing drains surrounding the building.

Make good extent of any damage arising from the demolition works.

Build up chambers as necessary and adjust covers to finished ground levels, leave clean and in working order.

All drains that are to be retained are to have a CCTV survey undertaken post demolition and any damage that occurs during the demolition period is to be repaired at the contractor's expense. The CCTV report/DVD are to be provided to the engineer/client upon completion.

All finishes to the external areas within the site boundary such as yard areas, slabs, paving and roads are to be removed as required in accordance with IBI Landscape Drawing.

5.3.2 Services

All service disconnections will be undertaken before commencement of the contract and statutory consents will not be required.

Before starting demolition, the contractor is to ensure that the appropriate disconnections have been completed – Reference should be made to the Pre-Tender Health and Safety Information and if in doubt the Principle Designer. The position of each service termination is to be recorded on a drawing to be included in the project Health and Safety File.

5.4 Notifications

A summary of the key demolition works are described below:

- Notify CA of the intention to commence demolition and clearance of the site and submit all appropriate notices.
- Liaise with relevant bodies in relation to the access to the surrounding roads to ensure safe access and egress of the site.
- Secure site boundaries and complete all necessary service disconnections.
- Undertake a joint schedule of condition with the contractor prior to site setup. This shall include the wider site area and the properties adjacent to the site before commencement.
- The contractor is to agree the condition of the public highways associated street furniture.
- Confirm methods of demolition and serve appropriate notices to the HSE for all asbestos related works
- Removal of asbestos containing materials under controlled conditions by licensed specialist. The Contractor is to inspect the buildings and site and ensure that all asbestos containing materials have been removed completely and properly prior to demolition works commencing. Any materials found to be remaining are to be retrospectively removed by the specialist at their own cost prior to demolition commencing.
- The contractor is to serve appropriate notices to the HSE for all asbestos related works

5.5 Demolition

All buildings identified are to be demolished, taking due consideration for the type of construction material used in the existing construction

- The contractor will consider the need and provide for any temporary works to facilitate the safe execution of the works.
- The contractor is to ensure the site boundary and any adjacent structures outside the boundary are not undermined while demolishing or excavating material on site.
- All raised building slabs, ramps, retaining walls to be removed.
- All tanks above and below ground to be decommissioned, with the appropriate notifications and application to the CLO, and removed from site and disposed of.

5.5.1 Existing Foundations

The demolition is to be undertaken down to a level to ensure removal of all foundation elements. In addition, a minimum of 1m depth of ground below the existing external level or below existing ground floor SSL, which ever is the lower, must be turned over.

- Any buried structures that are uncovered or project into the 1m clearance zone must be excavated, in their entirety, to the base of the buried obstruction, unless written consent is given by the Contract Administrator for it to remain. If a structure is to remain, it must be surveyed to define the extent on plan and recorded on the site topographical survey plan capturing the level to its base and depth below the existing surface. All relic structures uncovered as part of the excavations will be recorded by the Contractor and a copy of the drawing in DWG format provided as part of the site handover at completion.
- All backfill material shall be placed in accordance with the earthworks and filling specification included in this document.
- Changes in slab level are to have 1:2 slopes formed to prevent retaining conditions and ensure that no hazardous steps are left on the site.
- The site must be left in a clean and tidy condition at handover, ensuring that all boundaries are secure and any capping requirements, defined by statutory planning conditions, are in place.
- If not identified or directed, Contractor to leave site to be left at a level matching current external ground level or as directed by the CA.

5.6 Demolition Materials

Demolition material is to be removed from site at the contractor's expense. All waste transfer notes for materials removed from the site must be retained and 1 copy provided to the client for record purposes.

5.6.1 Contamination

Areas of potentially contaminated arisings must be isolated and stockpiled separately from clean material. Contaminated material is to be tested by the Contractor, as directed by the Engineer. If during the demolition works unusual visual and or olfactory evidence of previously unrecorded contamination or buried structures are observed, the Demolition Contractor shall inform the Contract Administrator immediately. The Contract Administrator shall decide upon the chemical testing suite at the time of sampling after having reviewed the materials in question/give instruction as to the treatment/removal of the substructures.

All credit items such as steel frames, fixtures and fittings to go to the contractor.

5.6.2 Demolition Arisings

All demolition material removed from the site must go to suitably licensed tips or for legitimate recycling. All waste transfer notes for materials removed from site must be retained and 1 copy provided to the client for record purposes. The contractor is to undertake a waste acceptance criteria (WAC) test and an asbestos test on all spoil removed from site arising from excavation/demolition at a rate of 1 sample per 500m3. This does not include building demolition material.

The demolition contractor must remove all unsuitable material from site, including all waste skips, mobile cabins etc. This should be carried out strictly in accordance with all relevant legislation and guidance.

5.7 Vibration Monitoring

The proposed demolition work will require the contractor to provide a method statement for vibration monitoring. The vibration monitoring performance requirements will be in accordance with the levels set down in BS5228 Pt. 1 and 2.

The purpose of the vibration monitoring is to ensure that any levels of vibration do not exceed threshold levels defined in the relevant British Standards that could be considered to be excessive or contribute to structural damage of third party property. The choice of limits on vibration to be measured at the site boundaries as a consequence of the construction should not exceed the threshold of 7.5mm/sec.

Monitoring must be undertaken on a continuous basis. The vibration monitors will be set up adjacent to all demolition and crushing work areas, and enough should be provided to ensure this, and will record peak particle velocity.

Control limits for vibration is therefore proposed as follows – 7.5mm/sec during all work activities.

Monitoring works must be undertaken by suitably qualified/accredited persons.

Vibration data/detailed logs need to be kept for the duration of the works and a weekly report prepared confirming the results of the monitoring.

In the event of measurements recorded exceeding the foregoing control limit, the carrying out of work activities on-going at the time shall be suspended pending review.

If the contractor is unclear with any statements made in this specification, clarification should be sought from the engineer.

5.8 Records

At the end of the contract period the Contractor is to provide all relevant documents to complete the Health and Safety file, including but not limited to :-

- Photographic and daily record sheets
- Records of statutory approvals / certificates etc….
- Waste disposal receipts / Tank disposal certification
- WAC testing
- Cut and Fill volumetric analysis – if appropriate
- CBR / Plate Bearing or Geo Testing
- As built Topographical survey
- Residual relic structures survey
- Monitoring results

Allowance should be made for two paper copies and two electronic PDF copies of the validation handover document.

6.0 Demolition Responsibilities

6.1 Method of demolition

Before commencement of the work the Demolition Contractor shall submit to the Contract Administrator their proposals for the method and sequence of demolition including details of temporary works and shoring. Demolition shall not be started on any section of the Contract until the Engineer's approval has been given to the Contractor's proposals for that section.

6.2 Incidental shoring, scaffolding and screens

The Contractor shall be fully responsible for the cost, design and safety of all shoring and scaffolding incidental to the demolition works and for making good all work disturbed by such shoring and scaffolding which shall be deemed to be included in their tender.

The Contractor shall be fully responsible for the cost, design and safety of all protective screens that may be required to prevent damage, nuisance and disturbance to adjoining properties, public highways, persons or passing traffic.

The Contractor will be held responsible for any damage occurring thereto, however caused, and will be charged for their necessary repair.

6.3 Special shoring

All shoring other than that designed by the Contract Administrator and shown on the drawings shall be designed by the Contractor.

The Contractor is reminded of the Health and Safety CDM Principle Designer's duty to ensure that the temporary works designer complies with Regulations 13(a) and (b). This duty will be limited to those temporary works which are specifically designed and, in particular, impinge on the permanent structure. The information shall include an analysis of the hazards and risks associated with the design and method of construction.

6.4 Insecure work

During the demolition works, no wall, part of the structure or site shall be left in a dangerous or insecure condition at any time.

6.5 Public footpaths and pavement crossings

The Contractor shall keep all public footpaths adjoining the site available at all times for use by the public and the stacking of timber or other materials thereon is forbidden.

No mechanical plant or vehicles shall be permitted to cross a paved public footpath unless there is a permanent footway crossing in existence or unless a temporary footway crossing has been constructed. The footway crossing shall be the only point at which mechanical plant or vehicles shall enter the site. A joint site inspection between the Contractor and Contract Administrator shall occur to record on photographs the condition of pavements and surrounding areas. These shall be used as a record in assessing the extent of making good by the Contractor upon completion.

6.6 Fires on site

The disposal of materials and rubbish by burning on site will not be permitted under any circumstances whatever and no fires will be permitted on site without prior permission from Local Authority.

6.7 Watching and lighting

The Contractor shall maintain at their own cost all lights, guards, fencing and watching necessitated by the works.

6.8 Avoidance of nuisance and protection of members of the public and vehicular traffic

The demolition of the property is to be carried out in such a manner as to cause as little inconvenience to adjoining property owners and/or the public as possible, and the Contractor will be held responsible for any claim which may arise in respect of nuisance, disruption or inconvenience to adjoining owners and/or the public.

A close-boarded (or similar approved) hoarding at least 2.4m high and of construction to be approved by the Contract Administrator is to be erected along the front of the property being demolished and retained on site on completion. It is intended for this hoarding to also be used for the main contract works, which will notionally include a period for the duration of the contract completion of the demolition works.

Design calculations for the hoarding which confirm compliance with relevant loading, design criteria and intended use are to be submitted for approval.

As the hoarding is to be retained, The Contractor shall include the cost of this hoarding in their tender. The location of the hoarding is to be agreed with the design team to ensure compliance with tree protection criteria.

Fans of adequate close-boarded construction are to be extended from the property being demolished. Notices of adequate size and construction are to be placed to warn passers-by of any danger.

6.9 Foreman

The Contractor is to allow in their tender for the cost of keeping competent foremen in charge and in attendance throughout the duration of the work.

6.10 Coins and antiquities

Any coins or antiquities found on the site are to become the property of the Employer and are to be handed over to the Engineer.

6.11 Plant

The Contractor is to provide all requisite plant, scaffolding and hoists and any cartage, labour and materials which, although not specifically mentioned, may be necessary for the proper completion of the work described herein.

6.12 Salvaged materials

Should the Contract Administrator decide that parts of any building are of historic interest or of particular use to the Employer, these parts shall be carefully dismantled and stored on site as directed by the Contract Administrator for retention by the Employer. If the Contract Administrator deems it to be reasonable an allowance will be made for the value thereof.

6.13 Electricity, gas, telephone, water supplies, removal of signs

Services disconnections will be undertaken before the commencement of the contract. Reference should be made to the Principle Designer for specific details. The Contractor shall record and convey to the Contract Administrator the position and size of services not previously recorded on the drawings and seek further instruction.

In the event that any unrecorded services are not disconnected the contractor must give notice to all authorities responsible for incoming services to remove meters and services and to stop supplies at the point of entry to the site. The Contractor shall carefully remove all signs attached to the works and deposit them with the appropriate authority.

6.14 Temporary roads/Use of existing highways

The Contractor shall provide any necessary temporary roads and clear them away on completion of the works. When using existing highways, the route should be clearly sign-posted for sub-contractor's strict adherence and made as direct as possible.

6.15 Demolition of buildings

Unless shown otherwise on the drawings the Contractor shall demolish all the building(s) described in the Invitation to Tender and shown on the drawings down to ground level. The work shall include the grubbing up and carting away of all existing footings and foundations to a depth of approximately 3000mm (or greater if shown on the contract drawings).

Basements, cellars, inspection pits and the like are to be cleared of rubbish and then back filled with crushed and graded demolition waste (6F2 laid and compacted in accordance with SHW) to provide a pile matt for the permanent works.

The Contractor shall record on a drawing the size, depth and location of all foundations grubbed out by him during the works, together with the depth, size and location of any foundations of adjoining property uncovered during the works. Duplicate copies of these record drawings shall be issued to the Contract Administrator on completion of the works.

The contractor is invited to submit, for consideration, an alternative cost associated with limiting the extent of foundation removal to the removal of the ground slab and obstructions within 0.5m of the existing external ground level.

6.16 Old material

All old materials (except those described in clause 6.23 and 6.25) arising from the demolition are to become the Contractor's property unless otherwise directed by the CA and, together with all rubbish and debris, are to be removed from the site and transported to a suitable tip or infill site. All transportation and tipping charges shall be included in the Contractor's tender sum. Neither the Contractor, nor any Sub-Contractor (where sub-letting is allowed) shall resort to fly tipping for the removal of old materials and any costs arising out of illicit fly tipping shall be borne solely by the Contractor.

6.17 Contaminated material

The Contractor is to allow for all necessary sampling and testing of demolition and other old material to identify any harmful, hazardous or contaminated material. The presence of any such material shall be notified to the Engineer, in addition to material noted in the Health and Safety Pack.

6.18 Disposal of contaminated material

The Contractor is to allow for the same disposal of any contaminated material including, where necessary, carting to appropriate licenced tips and including all licence and tipping charges of a quantity identified in the Bill of Quantities.

6.19 Old fences and hedges

The Contractor is to pull down all old fences, hedges and garden walls on the demolition site which are specified by the Engineer.

Care will be taken to avoid causing damage to the fences and hedges of the adjoining properties and the Contractor will be held responsible for any damage, which shall be made good at their own expense.

6.20 Timber affected by dry rot

The Contractor shall take all timber out of the works affected by dry rot, cart it away in covered wagons to a suitable site and burn it.

7.0 Environmental

7.1 Noise control

The Contractor shall ensure that in addition to any statutory requirements noise from the work is kept to the lowest level practicable and without prejudice to the generality of this requirement they shall:

a) Site noisy tools, plant, engines and equipment as far as possible from the adjoining roads and buildings.

b) Fit and use efficient silencing devices on all tools, plant, engines and equipment in accordance with BS5228 Parts 1 and 2.

c) Ensure that no engines or items of machinery are left running for long periods when not required to be used.

d) Ensure that all entrances to the site are at points where the noise from vehicles entering or leaving the site will cause the least nuisance or disturbance.

7.2 Trees

N/A: No trees present.

7.3 Welfare and safety measures

The Contractor is to provide and maintain welfare and safety measures and amenities up to a suitable standard in accordance with current legislation. The Contractor is also to ensure site operatives are issued with and use full personal protective equipment.

7.4 Asbestos

The Contract Administrator must be informed immediately if any asbestos or asbestos containing materials are discovered during the course of the work. These should be left undisturbed, covered up and should not be worked on until a full survey and report is prepared only by an approved Asbestos Specialist.

7.5 Completion

On completion of demolition the whole of the site as indicated on the contract drawings is to be back-bladed, cleared of all timber, reinforcement, rubbish and similar materials and left clean and tidy to the satisfaction of the Engineer.

8.0 Earthworks - Excavations

The following describes the minimum requirements for any elements of Earthworks including excavations and filling.

8.1 Line and level

Excavation shall be carried out to the lines and levels described in the Contract.

8.2 Soft spots

Any soft, loose or otherwise unsuitable material below these levels shall be removed and backfilled as directed in the Contract. If in doubt seek instructions.

The Contractor shall dispose of all excavated material to a suitably licensed disposal facility to the satisfaction of the Engineer.

8.3 Water

All excavations shall be kept free of standing water by pumping, temporary drainage, well point dewatering or by whatever means are necessary. It is the contractor's responsibility to organise and determine a strategy for the discharge of this water.

Any existing land drains, springs and other waterways should be temporarily diverted as necessary and if possible reinstated on completion. If not possible to reinstate, obtain instructions. Environment Agency approval/permissions maybe required.

8.4 Formations generally

The Contractor shall inform the Contract Administrator when the formation is ready for inspection. The last 150mm of excavation should be carried out just before inspection and filling/concreting. No fill or concrete shall be placed until approval is given.

The Contractor shall avoid damage to the formation from any means whatsoever, and any damage shall be made good by further excavation and filling at no cost to the Contract. Unless otherwise directed such filling shall be:-

a) For roads, concrete slabs, pile matts etc

Sub-base material of similar nature and compaction to the sub-base fill above formation.

b) For foundation pits, and trenches

15:1 lean concrete, 75mm slump.

Before placing of sub-base or concrete the formation is to be free from wet material, mud, slurry or otherwise unsuitable material. The surface shall be compacted if required by the Contract.

8.5 Benching

Surfaces of excavations with a gradient greater than 1 in 5 which are to receive filling must have horizontal benches cut to match the depths of compacted layers of filling.

8.6 Existing pits

Any historic pits encountered during excavation shall have all fill material, rubbish etc, removed from them, and broken out.

All pits and tanks, shall then be filled as described later in this Specification.

The Contractor shall dispose of all excavated material to a suitably licensed disposal facility to the satisfaction of the Engineer.

8.7 Foundation levels not given

Where no levels for foundations are given, for instance in the case of strip footings or trench fill, excavation shall be extended to the following, whichever is the deeper;-

i) to permit the foundation to bear on ground of type and/or safe bearing capacity as described on the drawings.

ii) to comply with minimum depth requirement as stated on the drawing.

Trench bottoms shall be level, or stepped as necessary to comply with Building Regulations.

8.8 Blinding concrete

Unless stated otherwise, all reinforced concrete foundations shall be provided with 50mm grade C10 concrete blinding. The blinding concrete is to be carefully placed to give a firm clean level surface on which to place reinforcement etc.

8.9 Trench fill

Excavations for trench fill type foundations shall be cut as neatly as possible to the minimum width shown on the drawings and concreted as soon as possible after cutting, subject to inspection requirements.

9.0 Earthworks Filling

9.1 Placing fill generally

Excavations and areas to be filled should be free from loose soil, rubbish and water.

Fill shall not be placed on frozen ground.

All necessary precautions shall be taken to ensure stability of adjacent structures. Fill shall be placed and compacted against structures, membranes or buried services in a sequence and manner which ensure stability and avoid damage.

Plant employed for the transporting, laying and compacting must be suited to the type of material.

Differing materials shall be laid separately so that only one type of material occurs in each layer.

9.2 Benching of fill

Where, during the progress of the work, the difference in level between adjacent areas of filling exceeds 600mm, the Contractor shall cut into the edge of the higher filling to form benches having a minimum width of 600mm and a height equivalent to the depth of a layer of compacted filling. New filling shall be spread and compacted to ensure maximum continuity with the previous filling.

9.3 Types of fill

The fill material to be used is described on the drawings, and will be one of the materials in the schedule below;-

i) Acceptable excavated sub-soil material as defined in DoT Specification for Highway Works Clause 601. The largest pieces shall have a maximum dimension not exceeding 100mm.

ii) Granular filling material which may be excavated material or imported but shall be clean and inert, evenly graded, 75mm to dust, crushed or broken rock such as granite, sandstone or limestone or weathered upper rock, rock overburden or sand/gravel.

iii) Type 1 or Type 2 sub-base material to DoT Specification. Clauses 803 or 804 respectively.

9.4 Unacceptable material

Unacceptable material Class U1 or U2 as defined in the DoT Specification Clause 601 shall not be used in the Permanent Works.

9.5 Spreading and compaction of fill in trenches and pits

Lean concrete shall be supplied with 75mm slump so as to be self compacting. Soil or granular filling materials shall be fully compacted in layers not greater than 150mm thick after compaction. Unless stated otherwise on the drawings compaction shall be with 8 passes of a vibrating roller of mass/metre width of roll not less than 700kg (or equivalent approved compaction method).

9.6 Excavation supports

Excavation supports shall be carefully removed as filling proceeds (except where such support is required to be left in position) but stability of the trench sides and adjacent ground must be maintained. The space left by the withdrawal of support shall be filled in the manner of the main fill.

9.7 Acceptability of fill in trenches and pits

The compacted fill should have a bearing capacity and stability at least equal to that of the adjacent undisturbed sub-grade. Where settlement, deterioration, inspection or test results indicate that the fill is not equal to the adjacent sub-grade such additional work necessary to produce a final reinstatement equal in capacity, performance and condition to that which existed before disturbance shall be carried out to the satisfaction of the Contract Administrator at no extra cost to the Contract.

9.8 Granular sub-base material below rafts, slabs, roads, etc.

Unless stated otherwise on the drawings, granular sub-base material shall be DoT Type 1 or Type 2 material in accordance with clauses 803 and 804 of the DoT Specification for Highway Work.

Compaction of the sub-base material shall be as stated in the Contract. Other equivalent methods of compaction may be used, subject to the written agreement of the Engineer.

Where the formation is wet or where directed by the Engineer, the first 150mm layer of granular sub-base material should be 75mm single size material.

9.9 Sand blinding

The top of the compacted sub-base should be blinded with a thin layer of sand or fine gravel, sufficient only to fill the irregularities in the surface of the fill.

9.10 Fill to old cellars, pits, etc

Unless stated otherwise on the drawings, or directed by the Engineers, existing cellars, pits etc, shall be filled with granular sub-base material, compacted in 150mm layer by 8 passes of a vibrating roller of mass/metre width of roll not less than 700kg. (or other equivalent method approved by the engineer).

9.11 Testing

The Contract Administrator may at any time order comparative field density tests determined in accordance with BS1377 Test No. 15 on material which they considered has been inadequately compacted. If the test results, when compared with the results of similar tests made on adjacent approved work in similar materials compacted to specification show the state of compaction to be inadequate, the Contractor shall carry out at their expense such further work as the Engineers may decide is required to comply with the terms of the Contract.

9.12 Filling of excavations adjacent to existing foundations

Unless directed otherwise, any excavation within a line drawn at 45º from the nearest point of the underside of an existing foundation (new or old) shall be backfilled with 15:1 lean concrete 75mm slump. In these circumstances excavation, should be kept to a reasonable minimum. No payment will be due for concrete fill to excess excavation.

9.13 Soluble sulphate content (SO_3)

The soluble sulphate content (SO_3) of imported materials for filling under concrete slabs or within 1m of substructures must not exceed 1.0g/litre when tested to BS1377, Test 10, using a 2:1 water extract. If required by the Engineer, the Contractor shall carry out such a test and obtain approval.

10.0 Appendices

Appendix A – Site Location Plans

Appendix B – Site Constraints and Below Ground Infrastructure

- Appendix B-1: Utility Survey of Land at site.
- Appendix B-2: CCTV Survey of Land at site.

Appendix C – Architects Existing & Demolition Plans

Refer to Architect pack for latest revisions.

Appendix D – Curtins CDM register for proposed new building

Appendix E – Curtins Geo-Environmental Phase I Desktop Study

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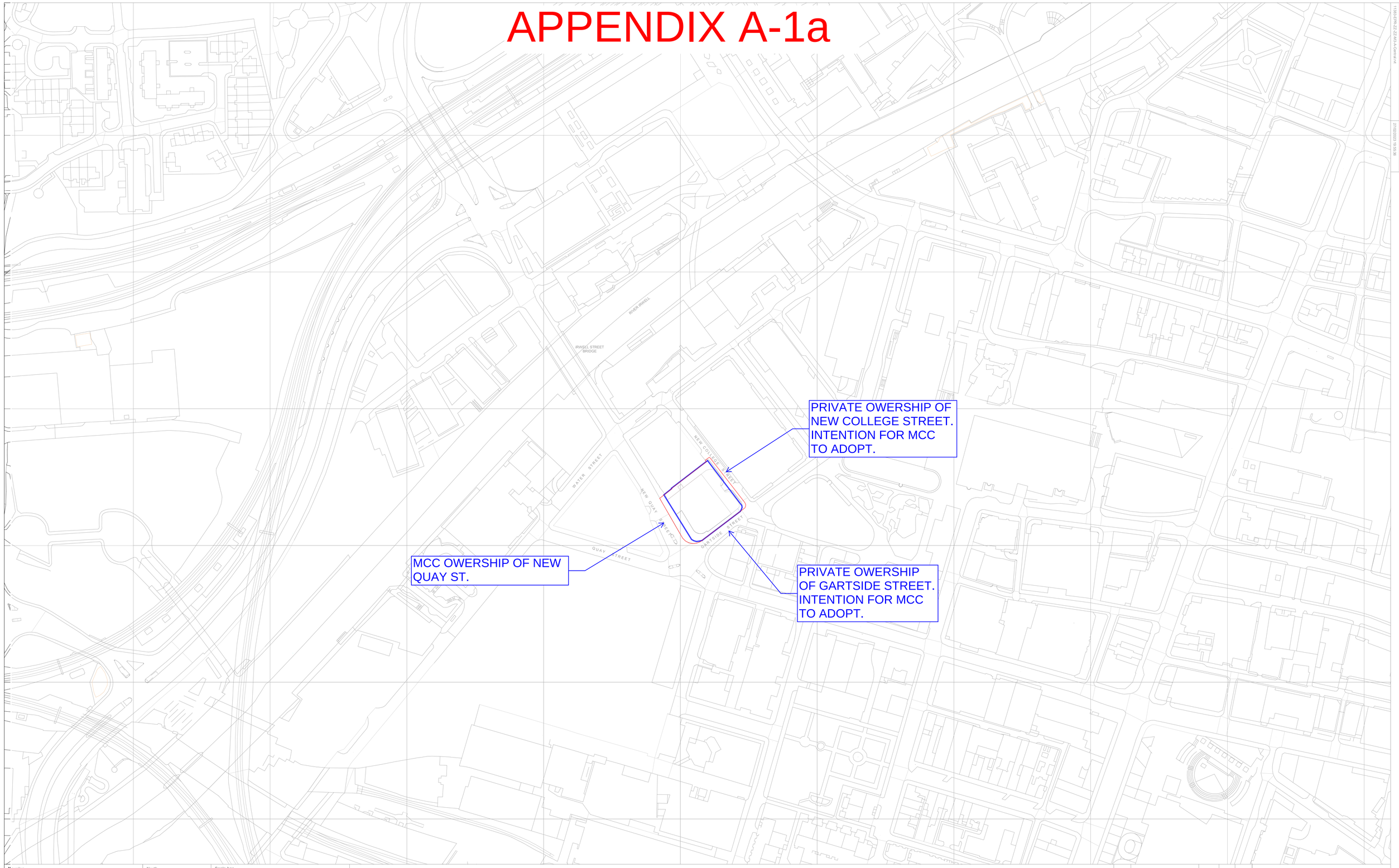
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APPENDIX A-1a



Keyplan

North

N

Scale bar

0 12.5 25 37.5 50 62.5 75

SCALE 1: 1250 m

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Extent of Works

Legal Ownership Line

No.	Revision	Date	Initial	Chk'd

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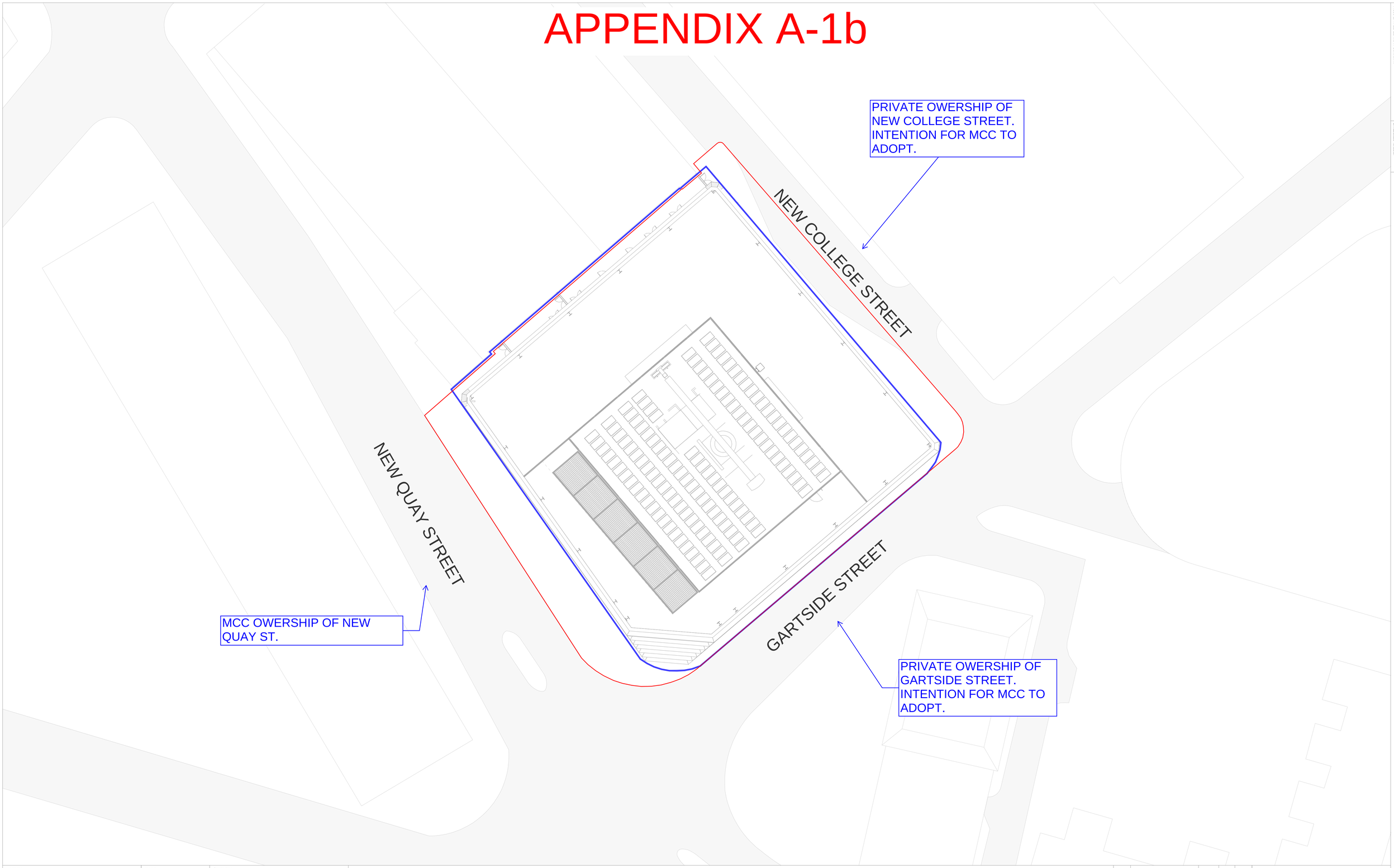
Site Location Plan

Scale @A1	Status	Suitability	Revision
As indicated	Planning	S2	-

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
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11383-EPR-ZZ-ZZ-A3-A-Xplan.pl4
27/02/2023 15:35:36

APPENDIX A-1b



Keyplan

North

N

Scale bar

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Site Plan @ 1-200

Scale @A1	Status	Suitability	Revision
1 : 200	Planning	S2	-

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	00	DR	A	01	0401

11383-EPR-ZZ-ZZ-A0-A-Central.rvt
27/02/2023 19:55:57

S.E PERIMETER FOUNDATIONS

FUTURE ADOPTED HIGHWAY

HBD LEGAL OWNERSHIP LINE

BUILDING DRAINAGE PERIMETER

NEW QUAY STREET

NEW COLLEGE STREET

GARTSIDE STREET

Secure access for cycle and maintenance purposes

Secure access for cycle and maintenance purposes

Fire Service Entrance

Fire Service Entrance

7660 7660 7660 7660 6780

8055

7660

7660

11383-EPR-ZZ-ZZ-M3-A-Central.rvt

08/03/2023 11:36:03

Keyplan

North

Scale bar

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08.03.2023

No.	Revision	Date	Initial	Chk'd

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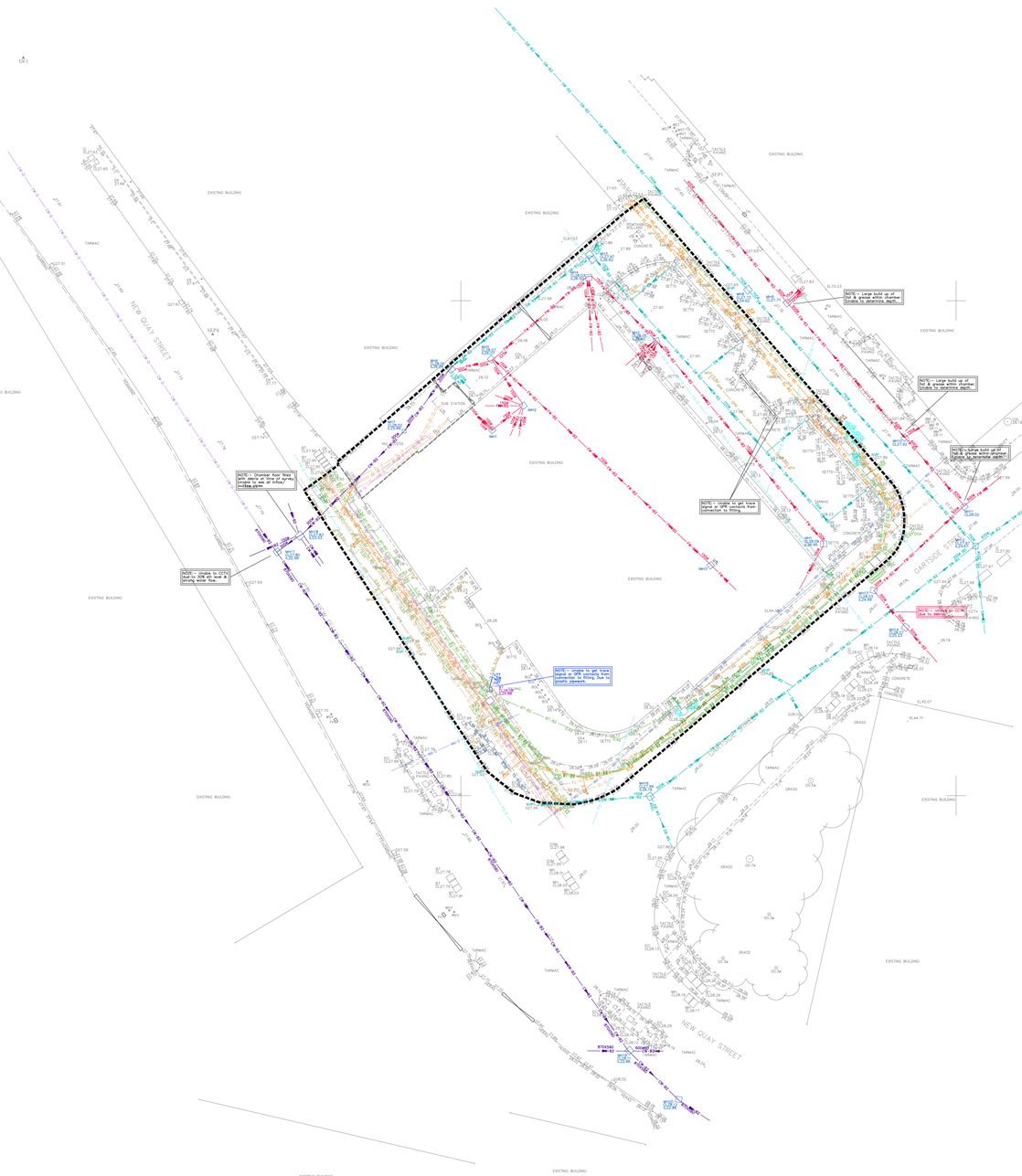
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Proposed Ground Floor

Scale @A1	Status	Suitability	Revision
1 : 100	Preliminary	-	

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	00	DR	A	SK	0200

APPENDIX B-1



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N

PLAN GRID NORTH

File Name: 523554-U-Rev-A.dwg

LEGEND

AV	AIR VALVE	BT	BT-A / BT-A
BT	BT INSPECTION COVER	BT STAT RECORD	BT-A / BT-A
CB	CONTROL BOX	CABLE DUCT	DUX-A / DUX-A
CBT	CABLE TELEVISION POST	CABLE DUCT STAT RECORD	DUX-A / DUX-A
COM	COMMUNICATIONS COVER	CABLE TV	CA-A / CA-A
CV	CABLE TV COVER	CABLE TV STAT RECORD	CA-A / CA-A
DM	DRAINAGE MANHOLE	DUCT	DD-A / DD-A
DP	DOWN PIPE	DUCT STAT RECORD	DD-A / DD-A
EB	ELEC BOX	TELECOM	TC-D / TC-D
EIC	ELEC INSPECTION COVER	TELECOMS STAT RECORD	TC-D / TC-D
EM	ELEC METER	EARTH ROD STRIP	EA-A / EA-A
EP	EARTH POLE	EARTH ROD STRIP BUILDING	EA-A / EA-A
FP	ELECTRICITY POLE	ELECTRIC	EL-A / EL-A
FL	FLOOD LIGHTING POWER LEVEL	ELECTRIC STAT RECORD	EL-A / EL-A
FH	FIRE HYDRANT	OPEN DUCT	FO-A / FO-A
G	GULLY	OPEN DUCT STAT RECORD	FO-A / FO-A
GLT	GROUND LIGHT	FUEL LINE	FL-A / FL-A
GST	GAS TAP	FUEL LINE STAT RECORD	FL-A / FL-A
GV	GAS VALVE	GAS LOW LINE	GM-D / GM-D
IC	INSPECTION COVER	WATER	GM-D / GM-D
IL	INVERT LEVEL	WATER STAT RECORD	GM-D / GM-D
LP	LAMP OUTLET	MAINS WATER	WU-A / WU-A
MH	MANHOLE	MAINS WATER STAT RECORD	WU-A / WU-A
MP	MARKER POST	SEWER CW	CW-A / CW-A
OF	OUTFALL PIPE	SEWER CW STAT RECORD	CW-A / CW-A
OP	OIL PIPE	SEWER FW	FW-A / FW-A
PP	PETROL PUMP	SEWER FW STAT RECORD	FW-A / FW-A
RE	RODDING EYE	SEWER SW	SW-A / SW-A
SHP	SHOWER HEAD PIPE	SEWER SW STAT RECORD	SW-A / SW-A
SOF	SOFFIT LEVEL	TRAFFIC SIGNAL CABLE	TS-D / TS-D
SV	STOP VALVE	UNIDENTIFIED TRACE	UT-A / UT-A
TB	TELEPHONE CALL BOX	UNIDENTIFIED DUCT	UP-A / UP-A
TL	TRAFFIC LIGHT	UNIDENTIFIED PIPE	UP-A / UP-A
TLB	TRAFFIC LIGHT BOX	VEHICLE DETECTOR CABLE	TS-D / TS-D
TP	TELEGRAPH POLE	SURVEY STATION	
WM	WATER METER	SURVEY BOUNDARY	
WO	WATER OUTLET	EXTENT OF UTILITY SURVEY	
WST	WATER STOP TAP		
WSV	WATER STOP VALVE		
EOT	END OF TRACE		
EOA	END OF SURVEY AREA		
UTL	UNABLE TO LIFT		
UTS	UNABLE TO SCALE		
UTT	UNABLE TO TRACE		
S/L	SIGNAL LOSS		
BLK	BLOCKED		
NCP	NO OTHER GPR CONTACTS		
RC	RECHARGE WELL		
SL	SOAKAWAY PIPE		
TOP	TOP OF PIPE		
TW	TRIAL WELL		
FR	FITTING FROM RECORDS		

Utilities in verge or on pavement

QUALITY LEVELS

A – Verification

B1 – Horizontal/Vertical location using multiple techniques

B2 – Horizontal/Vertical location using a single technique

B3 – Horizontal location using a single technique

B4 – Assumed route

C – Site Reconnaissance

D – Desktop utility records search

NOTES:

All levels relate to O.S (Newlyn) Datum, Established using network RTK. Survey plotted on a plane local grid, orientated to National Grid. Detail shown in grey taken from drawing reference: 523554-2D1.dwg.

This Underground Utilities survey was conducted in compliance with the BSI PAS128:2014 standard.

Services themselves display text indicating RM an abbreviation of the services' function (eg. BT Electric Cable) followed by the Quality Level to which that service was located (eg. B4 = Assumed route).

Quality Level descriptions shown in the above legend are for reference purposes only and are abbreviated from full descriptions.
For full information on Quality Levels, please consult the BSI PAS128:2014 standards document.

Lines annotated as GPR indicate a series of consistent subsurface anomalies detected by GPR which could not be confirmed by other means and assigned Quality Level B2. The nature of these anomalies could not be determine by non-invasive means. GPR lines that were identifiable as a service are shown as their respective service.

DISCLAIMER:

At SEP we use skilled and experienced staff, modern up to date techniques and top of the range electromagnetic and radar technology to locate and trace buried services. However, the performance of the equipment employed in non-invasive surveys can be adversely affected by factors outside the control of SEP. Therefore SEP cannot guarantee that all utilities present on site have been located. It is the responsibility of the Client to consult regional authority records and undertake trial digs where appropriate.

Where similar services run in close proximity it may be impossible to separately trace individual services as the trace signal can experience interference. In such cases, services will be shown as a single, annotated line. The displayed depth will refer to the shallowest detected utility.

Successful tracing of non-conductive materials may be limited. Drainage gullies are also tested where possible to prove connectivity but if is not always possible to introduce the sonde due to narrow pipe sizes and/or accumulated silt.

Depth information of underground services/features are generally accurate to within +/- 10% (i.e. a pipe at 2m deep may be accurate to +/-200mm) but this cannot be guaranteed. Depths shown usually refer to the top of the service. Gravity sewer and drain depths are usually to invert (base of drainage channel) unless otherwise stated.

Some above ground features may have been obscured at time of survey. If a lot of sweep possible to operate the Ground Penetrating Radar in areas including, but not limited to, dense vegetation, rubble, debris and/or rough/uneven ground.

Existing record information that was made available to SEP by the Client or by the statutory utility provider should be regarded only as an indication and cannot be guaranteed.

Excavation in the vicinity of services shown should be carried out with due diligence (Ref. HSG47).

0 2m 4m 8m 12m 16m
SCALE BAR

REV	DATE	DESCRIPTION
A	09/22	Drainage updated after completing CCTV survey.

SURVEY & ENGINEERING PROJECTS

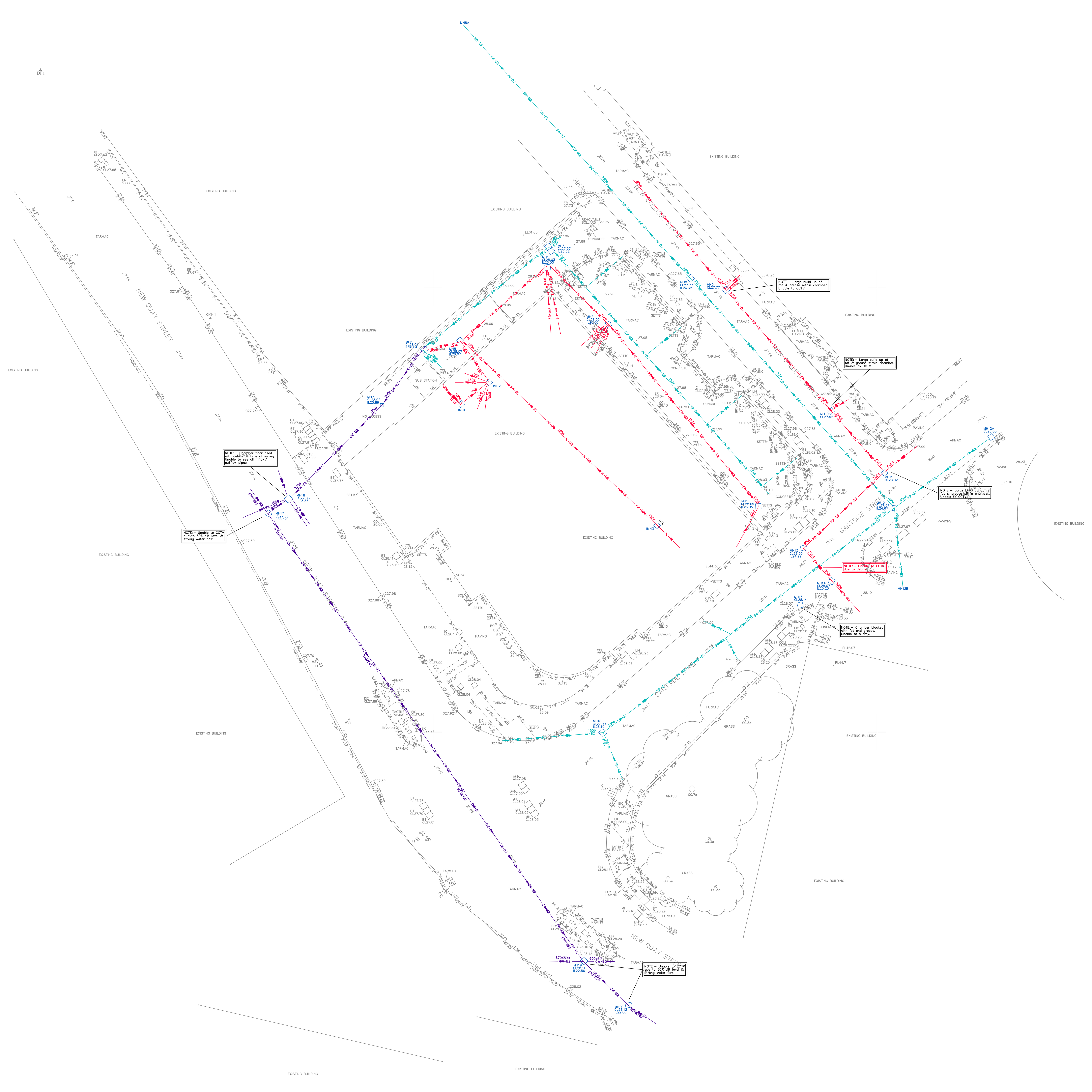
Client
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Project Title
Utility Survey of Land at:
The Manchester College
St Johns Centre
Quay Street
Manchester
M3 3BE

Surveyed	Drawn	Checked
D.Hall	D.Shipton	B.Brady

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Jun 22	523554-U	01	A0	A

APPENDIX B-2



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PLAN GRID NORTH

File Name: S23744-CCTV.dwg

LEGEND

AV	AIR VALVE	BT	BT-A / BT-A
BT	BT INSPECTION COVER	BT STAT RECORD	BT-D / BT-D
CB	CONTROL BOX	CABLE DUCT	DU-A / DU-A
CCTV	CCTV CAMERA POST	CABLE DUCT STAT RECORD	DU-D / DU-D
COM	COMMUNICATIONS COVER	CABLE TV	CA-A / CA-A
CTV	CABLE TV COVER	CABLE TV STAT RECORD	CA-D / CA-D
DC	DRAINAGE CHANNEL	CCTV	CC-A / CC-A
DP	DOWN PIPE	CCTV STAT RECORD	CC-D / CC-D
DR	DRAIN	TELECOMS	TC-A / TC-A
EIC	ELEC INSPECTION COVER	TELECOMS STAT RECORD	TC-D / TC-D
ELB	ELECTRIC BOX	EARTH ROD STRIP	ER-A / ER-A
ER	EARTH ROD	EARTH ROD STAT RECORD	ER-D / ER-D
EP	ELECTRICITY POLE	ELECTRIC	EL-A / EL-A
FL	FINISHED FLOOR LEVEL	ELECTRIC STAT RECORD	EL-D / EL-D
FH	FIRE HYDRANT	FIBRE-OPTICS	FO-A / FO-A
G	GULLY	FIBRE-OPTICS STAT RECORD	FO-D / FO-D
GLT	GROUND LIGHT	FUEL LINE	FL-A / FL-A
GST	GAS TAP	FUEL LINE STAT RECORD	FL-D / FL-D
GSV	GAS VALVE	GPR DETECTION LINE	GPR / GPR
IC	INSPECTION COVER	MAINS GAS	GM-A / GM-A
IL	INVERT LEVEL	MAINS GAS STAT RECORD	GM-D / GM-D
KO	KERB OUTLET	MAINS WATER	WM-A / WM-A
LP	LAMP POST	MAINS WATER STAT RECORD	WM-D / WM-D
MH	MANHOLE	SEWER CW	CW-A / CW-A
MKR	MARKER	SEWER CW STAT RECORD	CW-D / CW-D
OP	OUTFALL PIPE	SEWER FW	FW-A / FW-A
PN	PYLON	SEWER FW STAT RECORD	FW-D / FW-D
PP	PETROL PUMP	SEWER SW	SW-A / SW-A
RE	RODDING EYE	SEWER SW STAT RECORD	SW-D / SW-D
RWP	RAINWATER PIPE	TRAFFIC SIGNAL CABLE	TS-A / TS-A
SOF	SOFFIT LEVEL	TSC STAT RECORD	TS-D / TS-D
SV	STOP VALVE	UNIDENTIFIED TRACE	UI-A / UI-A
TCB	TELEPHONE CALL BOX	UNIDENTIFIED CABLE	UC-A / UC-A
TL	TRAFFIC LIGHT	UNIDENTIFIED PIPE	UP-A / UP-A
TLB	TRAFFIC LIGHT BOX	VEHICLE DETECTION CABLE	VD-A / VD-A
TP	TELEGRAPH POLE	VDC STAT RECORD	VD-D / VD-D
WM	WATER METER	SURVEY BOUNDARY	
WO	WATER OUTLET	LIMITED/IMPEDED SURVEY	
WST	WATER STOP TAP		
WSV	WATER STOP VALVE		

EOT	END OF TRACE
OSA	OUT OF SURVEY AREA
UTL	UNABLE TO LIFT
UTS	UNABLE TO SONDE
UTT	UNABLE TO TRACE
S/L	SIGNAL LOSS
BLK	BLOCKED
NFH	NO FURTHER GPR CONTACTS
BD	BACKDROP PIPE
NVP	NO VISIBLE PIPE
ToP	TOP OF PIPE
	EOT SYMBOL
	FITTING FROM RECORDS

QUALITY LEVEL

A – Verification
B1 – Horizontal/Vertical location using multiple techniques
B2 – Horizontal/Vertical location using a single technique
B3 – Horizontal location using a single technique
B4 – Assumed route
C – Site Reconnaissance
D – Desktop utility records search

NOTES:

All levels relate to O.S (Newlyn) Datum. Established using network RTK. Survey plotted on a plane local grid, orientated to National Grid.

This Underground Utilities survey was conducted in compliance with the BSI PAS128:2014 standards.
Services linetypes display text indicating first an abbreviation of the services' function (eg. EL = Electric Cable) followed by the Quality Level to which that service was located (eg. B4 = Assumed route).

Quality Level descriptions shown in the above legend are for reference purposes only and are not intended as detailed descriptions.
For full information on Quality Levels, please consult the BSI PAS128:2014 standards document.

Lines annotated as GPR indicate a series of consistent subsurface anomalies located using the Ground Penetrating Radar and should be considered as Quality Level B2. The nature of these anomalies could not be determine by non-invasive means. GPR lines that were identifiable as a service are shown as their respective service.

DISCLAIMER:

At SEP we use skilled and experienced staff, modern up to date techniques and top of the range electromagnetic and radar technology to locate and trace sub-surface utilities. However the performance of the equipment employed in non-invasive surveys can be adversely affected by factors outside the control of SEP. Therefore SEP cannot guarantee that all utilities present on site have been located. It is the responsibility of the Client to consult regional authority records and undertake trial digs where appropriate.

Where similar services run in close proximity it may be impossible to separately trace individual services as the trace signal can experience interference. In such cases, services will be shown as a single, annotated line. The displayed depth will refer to the shallowest detected utility.

Successful tracing of non-conductive materials may be limited. Drainage gulleys are dye tested where possible to prove connectivity but it is not always possible to introduce the sonde due to narrow pipe sizes and/or accumulated silt.

Depth information of underground services/features are generally accurate to within +/- 10% (i.e. a pipe at 2m deep may be accurate to +/-200mm) but this cannot be guaranteed. Depths shown usually refer to the top of the service. Gravity sewer and drain depths are usually to invert (base of drainage channel) unless otherwise stated.

Some above ground features may have been obscured at time of survey. It is not always possible to operate the Ground Penetrating Radar in areas including, but not limited to, dense vegetation, rubble, debris and/or rough/uneven ground.

Existing record information that was made available to SEP by the Client or by the statutory utility provider should be regarded only as an indication and cannot be guaranteed.

Excavation in the vicinity of services shown should be carried out with due diligence (Ref. HSG47).

0 2m 4m 8m 12m 16m
SCALE BAR

REV	DATE	DESCRIPTION

SURVEY & ENGINEERING PROJECTS

Client
Arcadis LLP
Suite 1A
4 Piccadilly Place
Manchester
M1 3BN

Project Title
CCTV Survey of Land at:
The Manchester College
St Johns Centre
Quay Street
Manchester
M3 3BE

Surveyed	Drawn	Checked
SEP	K.Donaghy	D.Shipton

Scale	Date	Drawing Ref.	No.	Size	Rev
1:200	Sep 22	S23744-CCTV	01	A0	--

APPENDIX B-3

MANHOLE RECORD CHART

REFERENCE	IMH1	DATE	11/08/2022
LOCATION	St Johns Campus, M3 3GS		

CARRIAGEWAY [ ] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER Recessed

HEAVY DUTY [ ] MEDIUM DUTY [√] LIGHT DUTY [ ] SIZE WIDTH 700 LENGTH 700

COVER CONDITION OK [ ] ATTENTION REQUIRED [ ] Internal MH

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1200Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [√] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

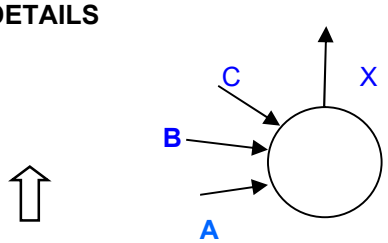
SHAFT CONSTRUCTION

BRICK [√] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	1850	1850	1850			1910		
(III) SIZE (∅ mm)	100	100	100			150		
(IV) SHAPE	C	C	C			C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

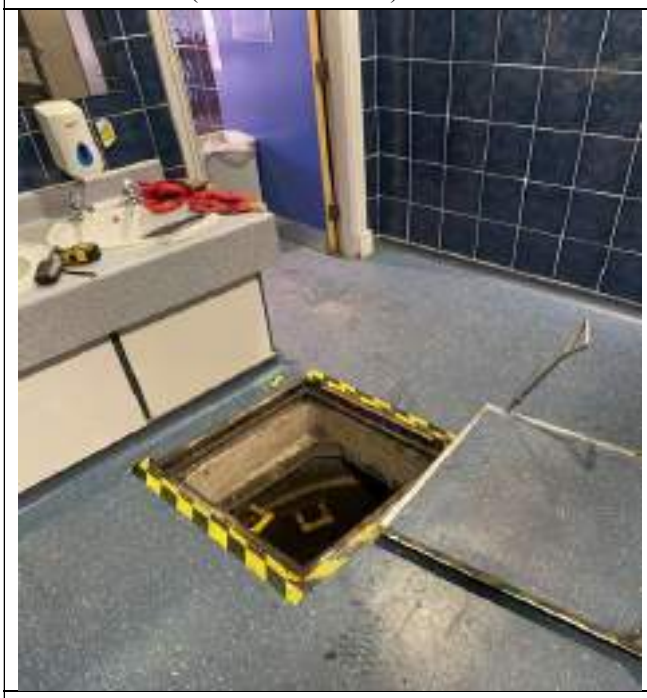
Female toilets

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE IMH2 DATE 11/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [ ] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER Recessed

HEAVY DUTY [ ] MEDIUM DUTY [√] LIGHT DUTY [ ] SIZE WIDTH 700 LENGTH 700

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] Internal MH

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1200Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [√] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

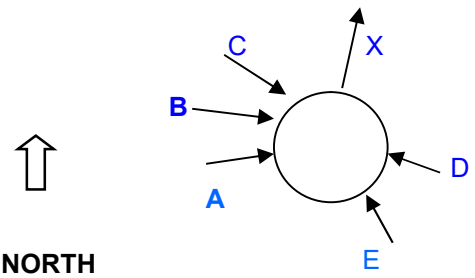
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	2030	1940	1940	1940	1940	2050		
(III) SIZE (∅ mm)	150	150	100	100	100	150		
(IV) SHAPE	C	C	C	C	C	C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

Male toilets

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE IMH3 DATE 11/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [ ] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY [ ] MEDIUM DUTY [√] LIGHT DUTY [ ] SIZE WIDTH 700 LENGTH 700

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] Internal MH

CHAMBER

REGULATING COURSE	OK [ ]	ATTENTION REQ [ ]				
SHAFT	OK [ ]	ATTENTION REQ [ ]	WIDTH [ ]	LENGTH [ ]		
CHAMBER	OK [ ]	ATTENTION REQ [ ]	WIDTH [ ]	LENGTH [ ]		
BENCHING	OK [ ]	ATTENTION REQ [ ]	WIDTH [ ]	LENGTH [ ]		
CHANNEL	OK [ ]	ATTENTION REQ [ ]				
STEP IRONS	OK [ ]	ATTENTION REQ [ ]				
LADDER	OK [ ]	ATTENTION REQ [ ]				

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)								
(III) SIZE (∅ mm)								
(IV) SHAPE								
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

Kitchen

COMMENTS

UTL-Locking screw won't come out

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH1 DATE 11/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY √ FOOTPATH ☐ VERGE ☐ OUTSIDE BOUNDARY ☐

COVER SHAPE ○ √ △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY √ MEDIUM DUTY ☐ LIGHT DUTY ☐ SIZE WIDTH 610 LENGTH 610

COVER CONDITION OK √ ATTENTION REQUIRED ☐ _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ		WIDTH		LENGTH	
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1050Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK ☐ PRECAST CONC ☐ INSITU CONC. √ BOLTED SECT. ☐ OTHER _____

FOUL √ SURFACE WATER ☐ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

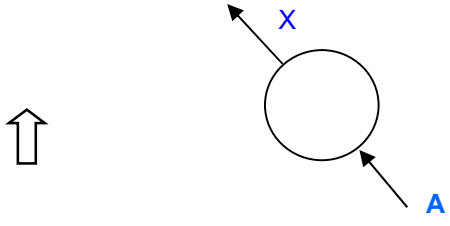
SHAFT CONSTRUCTION

BRICK ☐ PRECAST CONC ☐ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER _____

FOUL ☐ SURFACE WATER ☐ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	1130					1140		
(III) SIZE (∅ mm)	100					150		
(IV) SHAPE	C					C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

2 Steps

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH2 DATE 10/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH 610

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1350Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK		ATTENTION REQ	√				
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [√] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

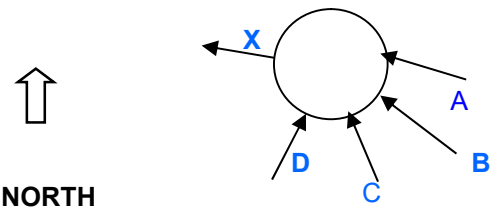
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	1430	1430	1420	1420		1450		
(III) SIZE (∅ mm)	150	150	100	100		150		
(IV) SHAPE	C	C	C	C		C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



LOCATION DETAILS

COMMENTS

Clay channel pipe has multiple cracks/fractures and broken

4 Reg Brick

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH3 DATE 11/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER X2 covers

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH 610

COVER CONDITION OK [√] ATTENTION REQUIRED [ ]

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1350Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [ ] SURFACE WATER [√] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

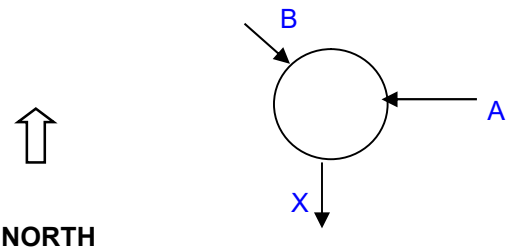
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	1300	1160				1350		
(III) SIZE (∅ mm)	150	150				150		
(IV) SHAPE	C	C				C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



LOCATION DETAILS

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH4 DATE 11/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH [ ]

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1350Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [√] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

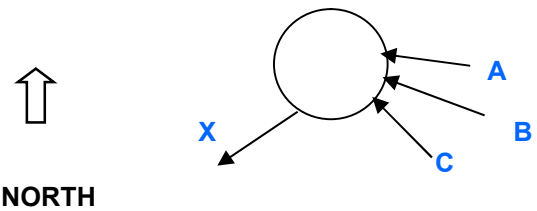
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	1500	1490	1490			1530		
(III) SIZE (∅ mm)	150	100	150			150		
(IV) SHAPE	C	C	C			C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH5 DATE 11/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY √ FOOTPATH ☐ VERGE ☐ OUTSIDE BOUNDARY ☐

COVER SHAPE ○ √ △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY √ MEDIUM DUTY ☐ LIGHT DUTY ☐ SIZE WIDTH 610 LENGTH 610

COVER CONDITION OK √ ATTENTION REQUIRED ☐ _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1350Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK		ATTENTION REQ	√				
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK ☐ PRECAST CONC √ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER _____

FOUL √ SURFACE WATER ☐ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

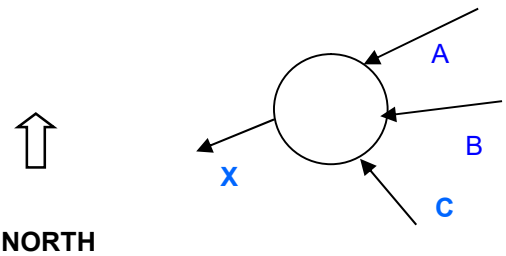
SHAFT CONSTRUCTION

BRICK ☐ PRECAST CONC ☐ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER _____

FOUL ☐ SURFACE WATER ☐ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	1990	1970	1920			2000		
(III) SIZE (∅ mm)	225	150	150			300		
(IV) SHAPE	C	C	C			C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

4 Reg brick courses

COMMENTS

Channel is concrete, not enough flow, foul waste is holding in channel due to lack of flow

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH6 DATE 11/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [ ] FOOTPATH [√] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH 610

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1350Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK	√	ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [√] WATERCOURSE [ ] T/EFFLUENT [ ]

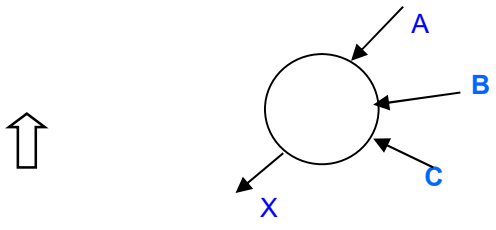
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	1940	1940	1800			1970		
(III) SIZE (∅ mm)	300	300	225			300		
(IV) SHAPE	C	C	C			C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH7 DATE 11/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [ ] FOOTPATH [√] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH 610

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] _____

CHAMBER

REGULATING COURSE	OK	[√]	ATTENTION REQ	[ ]				
SHAFT	OK	[√]	ATTENTION REQ	[ ]	WIDTH		LENGTH	
CHAMBER	OK	[√]	ATTENTION REQ	[ ]	WIDTH	800	LENGTH	1200
BENCHING	OK	[√]	ATTENTION REQ	[ ]	WIDTH		LENGTH	
CHANNEL	OK	[√]	ATTENTION REQ	[ ]				
STEP IRONS	OK	[√]	ATTENTION REQ	[ ]				
LADDER	OK	[ ]	ATTENTION REQ	[ ]				

CHAMBER CONSTRUCTION

BRICK [√] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [√] WATERCOURSE [ ] T/EFFLUENT [ ]

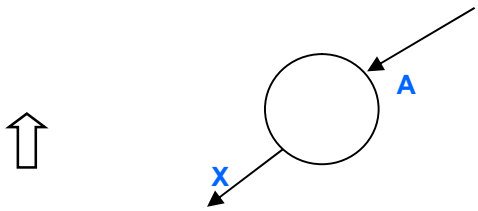
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	2100					2130		
(III) SIZE (∅ mm)	300					300		
(IV) SHAPE	C					C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH8 DATE 10/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH 610

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH	620	LENGTH	620
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1800Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [√] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

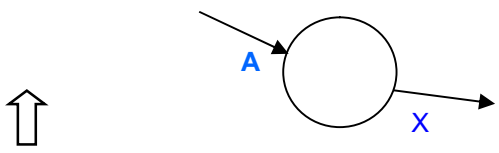
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	3050					3110		
(III) SIZE (∅ mm)	750					750		
(IV) SHAPE	C					C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

2 Reg brick

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE	MH9	DATE	10/08/2022
LOCATION	St Johns Campus, M3 3GS		

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER Hinged

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH 610

COVER CONDITION OK [√] ATTENTION REQUIRED [ ]

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH	900Ø	LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1500Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK		ATTENTION REQ					
LADDER	OK	√	ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [√] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

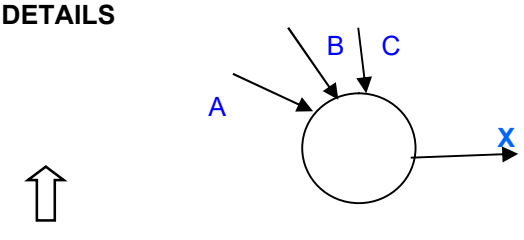
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [√] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	3820*	3540	3530			3820*		
(III) SIZE (∅ mm)	600Ø*	150Ø	225Ø			600Ø*		
(IV) SHAPE	C	C	C			C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

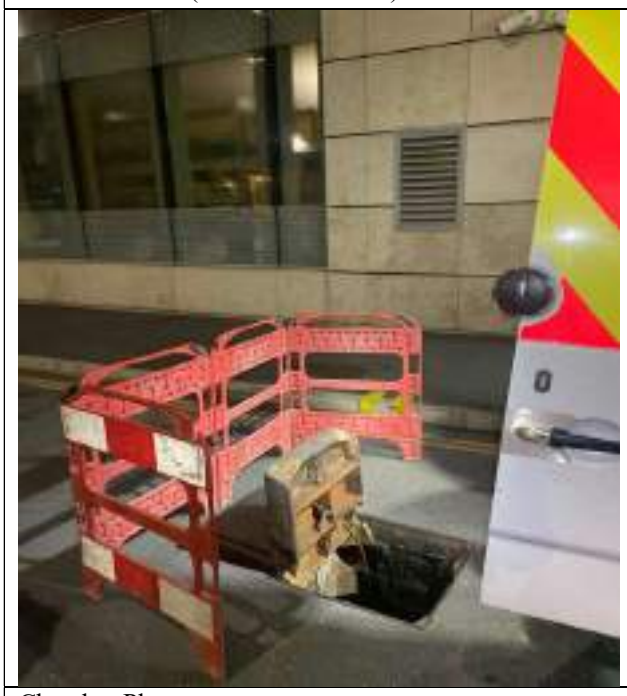
*Invert level taken to top of layer of fat in pipes

3 Reg brick

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH10 DATE 10/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY √ FOOTPATH ☐ VERGE ☐ OUTSIDE BOUNDARY ☐

COVER SHAPE ○ √ △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY √ MEDIUM DUTY ☐ LIGHT DUTY ☐ SIZE WIDTH 610 LENGTH ☐

COVER CONDITION OK √ ATTENTION REQUIRED ☐ _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ	☐				
SHAFT	OK	√	ATTENTION REQ	☐	WIDTH	900Ø	LENGTH	
CHAMBER	OK	√	ATTENTION REQ	☐	WIDTH	1500Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ	☐	WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ	☐				
STEP IRONS	OK	☐	ATTENTION REQ	☐				
LADDER	OK	√	ATTENTION REQ	☐				

CHAMBER CONSTRUCTION

BRICK ☐ PRECAST CONC √ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER _____

FOUL √ SURFACE WATER ☐ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

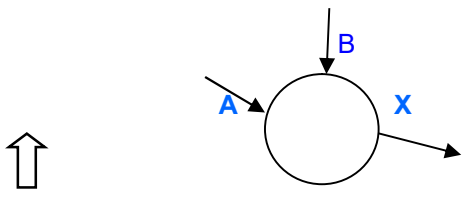
SHAFT CONSTRUCTION

BRICK ☐ PRECAST CONC √ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER _____

FOUL √ SURFACE WATER ☐ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	3990*	3620*				3990*		
(III) SIZE (∅ mm)	600*	150				600*		
(IV) SHAPE	C	C				C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

1 Reg Brick

*Invert level taken to top of layer of fat in pipes

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH11 DATE 10/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH 610

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH	900Ø	LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1500Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK		ATTENTION REQ					
LADDER	OK	√	ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [√] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

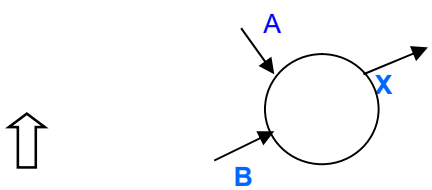
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	4100*	3930*				4100*		
(III) SIZE (∅ mm)	600*	300*				600*		
(IV) SHAPE	C	C				C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

2 Reg Brick

*Invert level taken to top of layer of fat in pipes

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH12 DATE 10/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY √ FOOTPATH ☐ VERGE ☐ OUTSIDE BOUNDARY ☐

COVER SHAPE ○ √ △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY √ MEDIUM DUTY ☐ LIGHT DUTY ☐ SIZE WIDTH 610 LENGTH 610

COVER CONDITION OK √ ATTENTION REQUIRED ☐ _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1800Ø	LENGTH	1800Ø
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK		ATTENTION REQ					
LADDER	OK	√	ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK ☐ PRECAST CONC √ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER _____

FOUL ☐ SURFACE WATER √ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

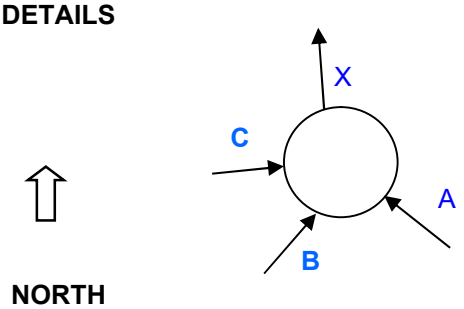
SHAFT CONSTRUCTION

BRICK ☐ PRECAST CONC √ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER _____

FOUL ☐ SURFACE WATER ☐ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	3260	2280	2220			3300		
(III) SIZE (∅ mm)	750	225	300			750		
(IV) SHAPE	C	C	C			C		
(V) BACKDROP (∅ mm)			300					
Total depth from cover	2860							

DETAILS



LOCATION DETAILS

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH13 DATE 10/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH [ ]

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1200Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK		ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [√] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

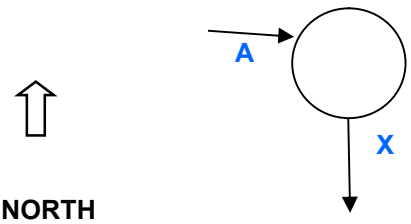
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	3020					3040		
(III) SIZE (∅ mm)	300					300		
(IV) SHAPE	C					C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



LOCATION DETAILS

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH14 DATE 10/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH [ ]

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ		WIDTH		LENGTH	
SHAFT	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1200Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK		ATTENTION REQ					
LADDER	OK	√	ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [√] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

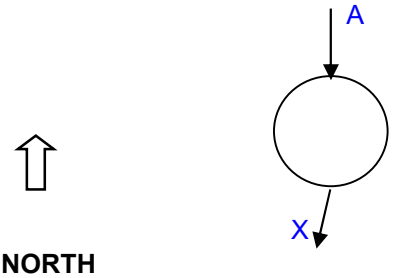
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	2830					2840		
(III) SIZE (∅ mm)	300					300		
(IV) SHAPE	C					C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH16 DATE 10/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY √ FOOTPATH ☐ VERGE ☐ OUTSIDE BOUNDARY ☐

COVER SHAPE ○ √ △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY √ MEDIUM DUTY ☐ LIGHT DUTY ☐ SIZE WIDTH 610 LENGTH ☐

COVER CONDITION OK √ ATTENTION REQUIRED ☐ _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ	☐				
SHAFT	OK	√	ATTENTION REQ	☐	WIDTH		LENGTH	
CHAMBER	OK	√	ATTENTION REQ	☐	WIDTH	1200Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ	☐	WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ	☐				
STEP IRONS	OK	√	ATTENTION REQ	☐				
LADDER	OK	☐	ATTENTION REQ	☐				

CHAMBER CONSTRUCTION

BRICK ☐ PRECAST CONC √ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER _____

FOUL ☐ SURFACE WATER √ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

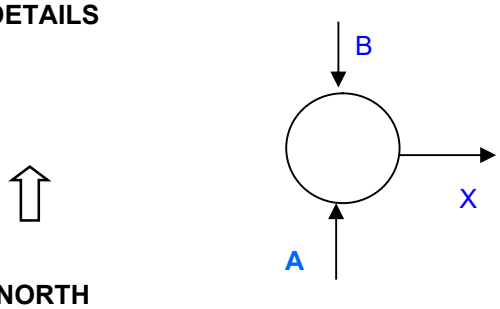
SHAFT CONSTRUCTION

BRICK ☐ PRECAST CONC ☐ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER _____

FOUL ☐ SURFACE WATER √ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	1610	1620				1800		
(III) SIZE (∅ mm)	150	150				300		
(IV) SHAPE	C	C				C		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



LOCATION DETAILS

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH17 DATE 10/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER Hinged

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH [ ]

COVER CONDITION OK [√] ATTENTION REQUIRED [ ]

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH	950Ø	LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1000	LENGTH	2900
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [√] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [ ] SURFACE WATER [ ] COMBINED [√] WATERCOURSE [ ] T/EFFLUENT [ ]

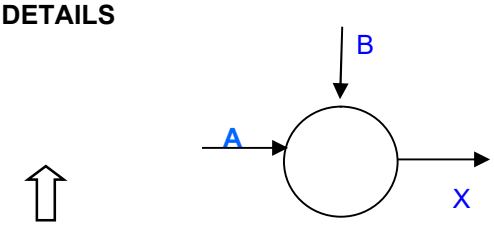
SHAFT CONSTRUCTION

BRICK [√] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	4800	4500				4820		
(III) SIZE (∅ mm)	860x570	300				860x570		
(IV) SHAPE	Egg	C				Egg		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH18 DATE 10/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY √ FOOTPATH ☐ VERGE ☐ OUTSIDE BOUNDARY ☐

COVER SHAPE ○ √ △ ▭ ⬡ ⯃ OTHER Hinged

HEAVY DUTY √ MEDIUM DUTY ☐ LIGHT DUTY ☐ SIZE WIDTH 610 LENGTH ☐

COVER CONDITION OK √ ATTENTION REQUIRED ☐

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH	1200Ø	LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1080Ø	LENGTH	
BENCHING	OK		ATTENTION REQ	√	WIDTH		LENGTH	
CHANNEL	OK		ATTENTION REQ	√				
STEP IRONS	OK		ATTENTION REQ	√				
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK √ PRECAST CONC ☐ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER ☐

FOUL √ SURFACE WATER ☐ COMBINED √* WATERCOURSE ☐ T/EFFLUENT ☐

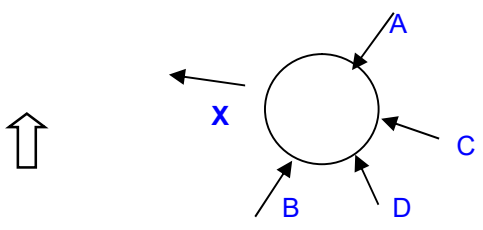
SHAFT CONSTRUCTION

BRICK ☐ PRECAST CONC √ INSITU CONC. ☐ BOLTED SECT. ☐ OTHER ☐

FOUL ☐ SURFACE WATER ☐ COMBINED ☐ WATERCOURSE ☐ T/EFFLUENT ☐

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	1950	1500	4300*	4300*				
(III) SIZE (∅ mm)	300	150				300		
(IV) SHAPE	C	C	▯	C		C		
(V) BACKDROP (∅ mm)	300							
Total depth from cover	4220							

DETAILS



NORTH

LOCATION DETAILS

*MH full of debris, redundant pipes.

COMMENTS

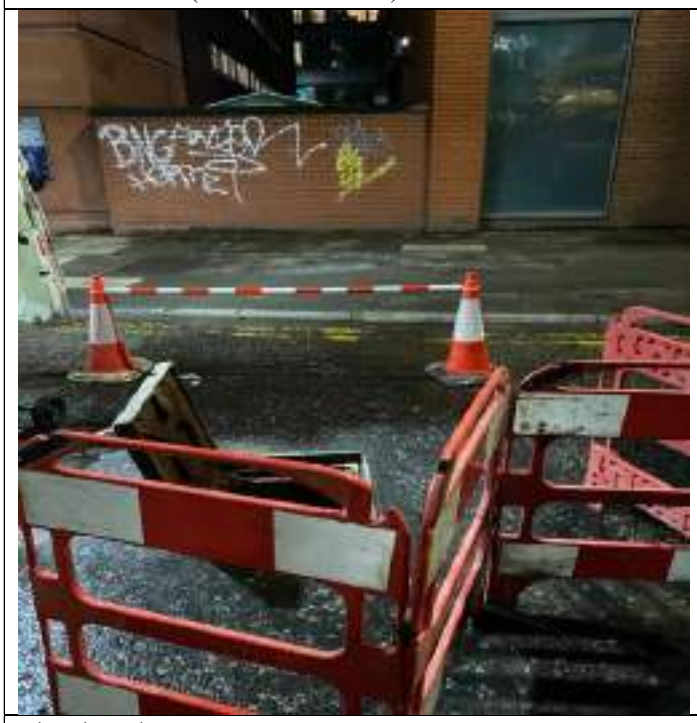
*4300 to bottom of manhole

X offset

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE	MH19	DATE	11/08/2022
LOCATION	St Johns Campus, M3 3GS		

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER _____

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH [610] LENGTH [ ]

COVER CONDITION OK [√] ATTENTION REQUIRED [ ] _____

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH	1000	LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	3200Ø	LENGTH	
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK		ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [√] SURFACE WATER [ ] COMBINED [√] WATERCOURSE [ ] T/EFFLUENT [ ]

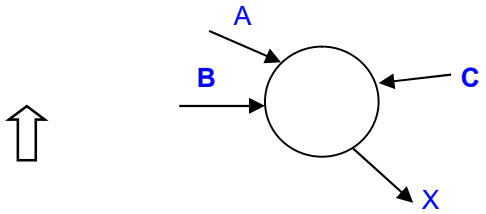
SHAFT CONSTRUCTION

BRICK [ ] PRECAST CONC [√] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER _____

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	5200	5170	3720			5250		
(III) SIZE (∅ mm)	860x570	860x570	600			860x570		
(IV) SHAPE	Egg	Egg	C			Egg		
(V) BACKDROP (∅ mm)			600					
Total depth from cover	4380							

DETAILS



NORTH

LOCATION DETAILS

Unable to get CCTV over drop shaft pipe

COMMENTS

Unable to CCTV due to silt and rapid water level

Permit ran out

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

MANHOLE RECORD CHART

REFERENCE MH20 DATE 11/08/2022

LOCATION St Johns Campus, M3 3GS

CARRIAGEWAY [√] FOOTPATH [ ] VERGE [ ] OUTSIDE BOUNDARY [ ]

COVER SHAPE ○ [√] △ ▭ ⬡ ⯃ OTHER Hinged

HEAVY DUTY [√] MEDIUM DUTY [ ] LIGHT DUTY [ ] SIZE WIDTH 610 LENGTH [ ]

COVER CONDITION OK [√] ATTENTION REQUIRED [ ]

CHAMBER

REGULATING COURSE	OK	√	ATTENTION REQ					
SHAFT	OK	√	ATTENTION REQ		WIDTH	1000Ø	LENGTH	
CHAMBER	OK	√	ATTENTION REQ		WIDTH	1000	LENGTH	2900
BENCHING	OK	√	ATTENTION REQ		WIDTH		LENGTH	
CHANNEL	OK	√	ATTENTION REQ					
STEP IRONS	OK	√	ATTENTION REQ					
LADDER	OK		ATTENTION REQ					

CHAMBER CONSTRUCTION

BRICK [√] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [ ] SURFACE WATER [ ] COMBINED [√] WATERCOURSE [ ] T/EFFLUENT [ ]

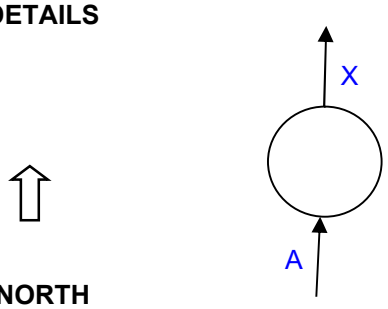
SHAFT CONSTRUCTION

BRICK [√] PRECAST CONC [ ] INSITU CONC. [ ] BOLTED SECT. [ ] OTHER

FOUL [ ] SURFACE WATER [ ] COMBINED [ ] WATERCOURSE [ ] T/EFFLUENT [ ]

CHAMBER CONTENT	INCOMING PIPES					OUTGOING PIPES		
(I) PIPE	A	B	C	D	E	X	Y	Z
(II) DEPTH TO INV. (mm)	5250					5265		
(III) SIZE (∅ mm)	860x570					860x570		
(IV) SHAPE	Egg					Egg		
(V) BACKDROP (∅ mm)								
Total depth from cover								

DETAILS



NORTH

LOCATION DETAILS

COMMENTS

Disclaimer: Condition Survey - to be used as a guide only

SHEET No.	JOB No.	SURVEYOR

MANHOLE RECORD CHART

Location Photo (Tick When Taken)	Cover photo
	
Chamber Photo	Additional photo (if required)
	

Project

Project Name: St Johns Centre-Manchester college

Project Date: 10/08/2022

Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)

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St Johns Centre-Manchester college		10/08/2022

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Project Information

Project Name	Project Number	Project Date
St Johns Centre-Manchester college		10/08/2022

Client

Company: Survey and Engineering Projects
Contact: John Gardner
Department: Survey Director
Street: Selby Place Unit 3D
Town or City: Skelmersdale
County: Lancashire
Post Code: WN8 8EF

Site

Company: Survey and Engineering Projects
Description: St Johns Centre, Manchester College
Contact: John Gardner
Department: Survey Director
Street: Quay St
Town or City: Manchester
County: Greater Manchester
Phone: M3 3BE

Contractor

Company: Survey and Engineering Projects
Contact: John Gardner
Department: Survey Director
Street: Selby Place Unit 3D
Town or City: Skelmersdale
County: Lancashire
Post Code: WN8 8EF

Section Inspection - 10/08/2022 - MH5X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	10/08/22	11:29	Not Specified	Not Specified	Yes	MH5X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH5
Road:	New Quay St	**Inspected Length:**	4.05 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.05 m	**Downstream Node:**	MH6
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	300 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH5						
	0.00	MH	Start node, manhole, reference: MH5	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	4.05	MHF	Finish node, manhole, reference: MH6	00:00:31		
MH6 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 10/08/2022 - MH6X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	10/08/22	11:44	Not Specified	Not Specified	Yes	MH6X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH6
Road:	New Quay St	**Inspected Length:**	7.06 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	7.06 m	**Downstream Node:**	MH7
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	300 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:62	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH6						
	0.00	MH	Start node, manhole, reference: MH6	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	7.06	MHF	Finish node, manhole, reference: MH7	00:00:46		
MH7 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 10/08/2022 - MH3X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	1	10/08/22	11:36	Not Specified	Not Specified	Yes	MH3X

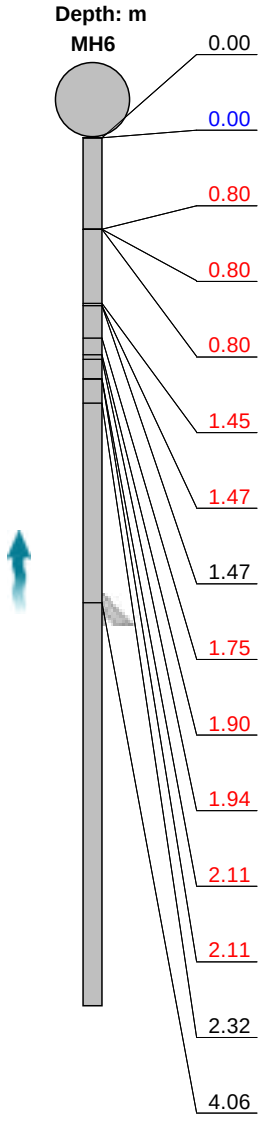
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH3
Road:	New Quay St	**Inspected Length:**	18.19 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	18.19 m	**Downstream Node:**	MH6
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	300 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:66



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH6	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.80	FL	Fracture, longitudinal at 8 o'clock	00:00:11		3 / 2
0.80	FC	Fracture, circumferential from 7 o'clock to 9 o'clock	00:00:11		3 / 2
0.80	FC	Fracture, circumferential from 3 o'clock to 5 o'clock	00:00:11	MH3X_b85f6f08-cfb6-41f7-855	3 / 2
1.45	B	Broken pipe from 6 o'clock to 12 o'clock: Half of pipe missing	00:00:20	MH3X_051d76c6-f2e7-49b8-9	4
1.47	H	Hole in drain or sewer from 6 o'clock to 12 o'clock	00:00:21	MH3X_4b9e092c-0a57-4952-a	5
1.47	SR	Sealing ring intruding, not hanging from 7 o'clock to 12 o'clock	00:00:21	MH3X_cdd5614d-034c-4b55-8af	1 / 2
1.75	CL	Crack, longitudinal at 4 o'clock	00:00:29		2 / 2
1.90	CL	Crack, longitudinal at 1 o'clock	00:00:32		2 / 2
1.94	B	Broken pipe from 7 o'clock to 11 o'clock	00:00:32	MH3X_41eb51da-88aa-4dc4-8	4
2.11	FC	Fracture, circumferential from 7 o'clock to 10 o'clock	00:00:36		3 / 2
2.11	FC	Fracture, circumferential from 11 o'clock to 1 o'clock	00:00:36		3 / 2
2.32	SC	Pipe size changes, new size(s), 225mm high	00:00:45		
4.06	JN	Junction at 9 o'clock, 150mm dia	00:01:01		

Section Inspection - 10/08/2022 - MH3X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
3	1	10/08/22	11:36	Not Specified	Not Specified	Yes	MH3X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified



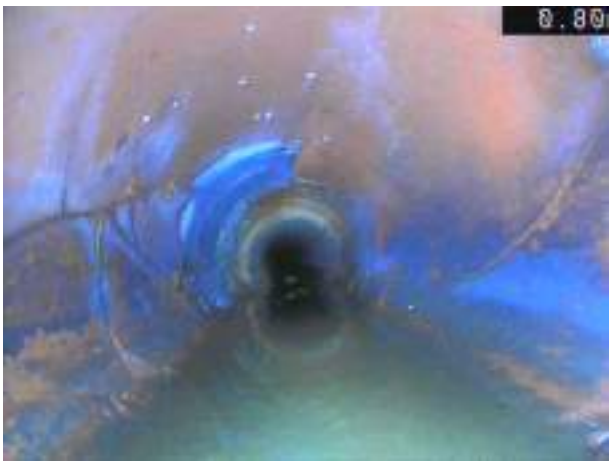
Scale: 1:66	Position [m]	Code	Observation	MPEG	Photo	Grade
	11.10	H	Hole in drain or sewer from 12 o'clock to 1 o'clock	00:01:34	MH3X_87 aab29d-55 4d-4929-8	4
	18.19	MHF	Finish node, manhole, reference: MH3	00:02:05		

MH3
Depth: m

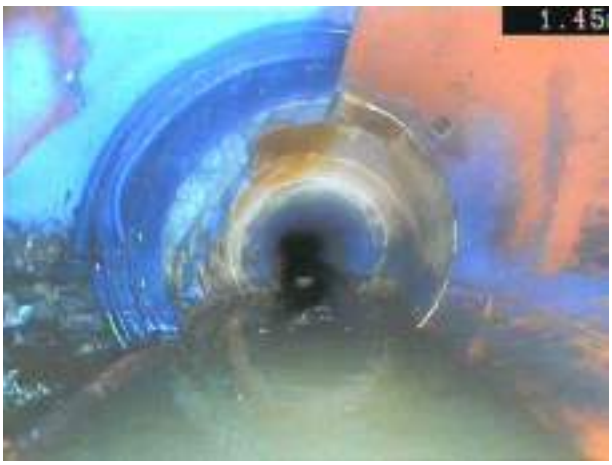
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
12	190.0	34.6	630.0	5.0	8	4.0	0.4	8.0	3.0

Section Pictures - 10/08/2022 - MH3X

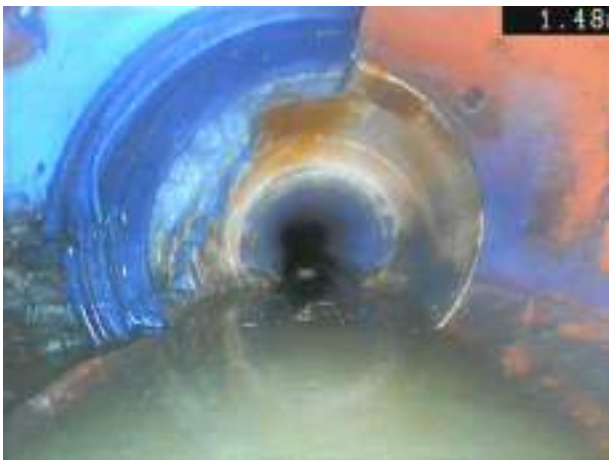
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
3	Upstream	MH3X		



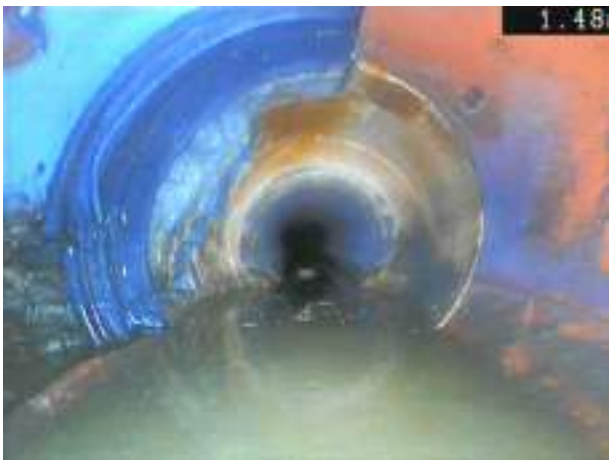
MH3X_b85f6f08-cfb6-41f7-8553-2d11ee5308fe_20220812_145827_188.jpg, 00:00:11, 0.80 m
Fracture, circumferential from 3 o'clock to 5 o'clock



MH3X_051d76c6-f2e7-49b8-92c2-ff88ad7124f9_20220812_145917_552.jpg, 00:00:20, 1.45 m
Broken pipe from 6 o'clock to 12 o'clock, Half of pipe missing



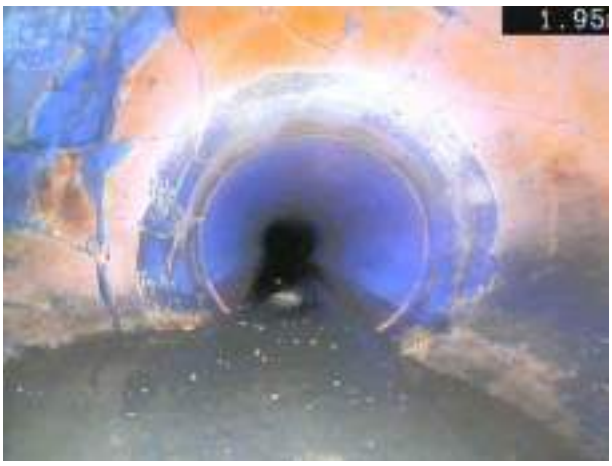
MH3X_4b9e092c-0a57-4952-a7ed-632930d5e1c5_20220812_145958_997.jpg, 00:00:21, 1.47 m
Hole in drain or sewer from 6 o'clock to 12 o'clock



MH3X_cdd5614d-034c-4b55-8afc-fb5ce213b11d_20220812_150027_646.jpg, 00:00:21, 1.47 m
Sealing ring intruding, not hanging from 7 o'clock to 12 o'clock

Section Pictures - 10/08/2022 - MH3X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
3	Upstream	MH3X		



MH3X_41eb51da-88aa-4dc4-8c11-ceb6d5750f7a_20220812_150133_272.jpg, 00:00:32, 1.94 m
Broken pipe from 7 o'clock to 11 o'clock



MH3X_87aab29d-554d-4929-8222-f349366eac4c_20220812_150452_614.jpg, 00:01:34, 11.10 m
Hole in drain or sewer from 12 o'clock to 1 o'clock

Section Inspection - 10/08/2022 - MH7X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	1	10/08/22	11:47	Not Specified	Not Specified	Yes	MH7X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH7
Road:	New Quay St	**Inspected Length:**	13.58 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	13.58 m	**Downstream Node:**	DOWNSTREAM
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	300 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:118



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH7	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.80	DEX	Settled deposits, other, 10% cross-sectional area loss: Foul waste	00:00:13		3
6.69	JN	Junction at 12 o'clock, 100mm dia	00:00:48		
7.29	LL	Line deviates left: slight	00:00:51		
8.85	DEX	Settled deposits, other, 5% cross-sectional area loss: Foul waste	00:00:59		3
11.25	JN	Junction at 9 o'clock, 100mm dia	00:01:12		
13.55	JN	Junction at 6 o'clock, 300mm dia: Drop-shaft junction	00:01:29		
13.58	MHF	Finish node, manhole, reference: Main sewer manhole	00:01:29	MH7X_28 a5a919-2c b9-489c-8	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	2	2.0	0.3	4.0	3.0

Section Pictures - 10/08/2022 - MH7X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
4	Downstream	MH7X		



MH7X_28a5a919-2cb9-489c-806f-5cd4a2d1d82e_20220812_151128_390.jpg, 00:01:29, 13.58 m
Finish node, manhole, reference: Main sewer manhole

Section Inspection - 10/08/2022 - UpstreamAX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
5	1	10/08/22	12:25	Not Specified	Not Specified	Yes	UPSTREAMAX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMA
Road:	New Quay St	**Inspected Length:**	4.16 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.16 m	**Downstream Node:**	MH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

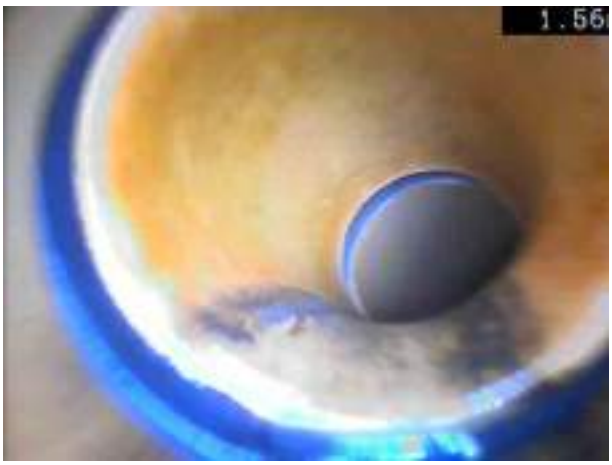


Scale: 1:50 Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH1					
0.00	MH	Start node, manhole, reference: MH1	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
1.57	OJM	Open joint, medium	00:00:11	Upstream AX_3d052 d85-2942-	1
1.63	LR	Line deviates right	00:00:12		
1.84	OJM	Open joint, medium	00:00:13		1
2.30	OJM	Open joint, medium	00:00:15		1
2.48	LR	Line deviates right: slight	00:00:15		
3.42	LU	Line deviates up	00:00:21		
4.16	OCF	Finish node, other special chamber, reference: Waste pipe	00:00:30	Upstream AX_3bd04 243-997f-4	
UpstreamA Depth: m					

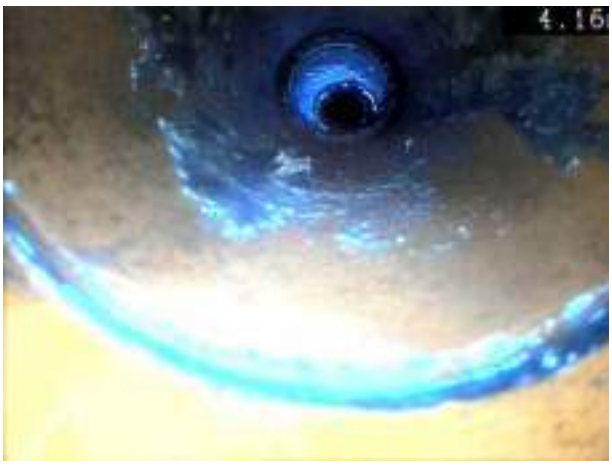
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
3	1.0	0.7	3.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 10/08/2022 - UpstreamAX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
5	Upstream	UPSTREAMAX		



UpstreamAX_3d052d85-2942-4c75-9735-d37fe919bcae_20220812_151607_909.jpg, 00:00:11, 1.57 m
Open joint, medium



UpstreamAX_3bd04243-997f-4c07-aa76-ea5fd76d3f11_20220812_151748_738.jpg, 00:00:30, 4.16 m
Finish node, other special chamber, reference: Waste pipe

Section Inspection - 10/08/2022 - MH1X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
6	1	10/08/22	12:30	Not Specified	Not Specified	Yes	MH1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH1
Road:	New Quay St	**Inspected Length:**	25.85 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	25.85 m	**Downstream Node:**	MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:224

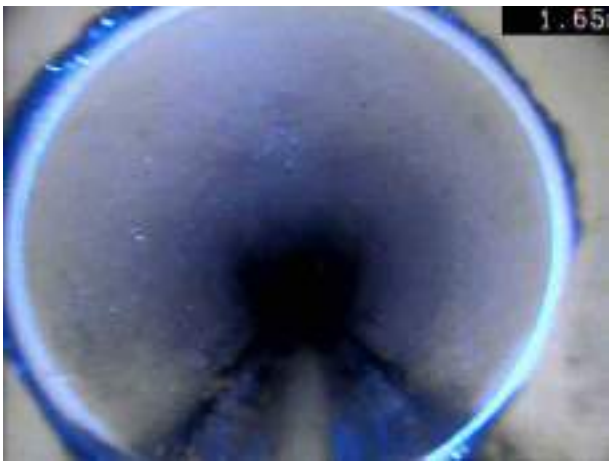


Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH1	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
1.65	OJM	Open joint, medium	00:00:12	MH1X_efd2a7e3-387d-4452-b9f	1
17.23	OJM	Open joint, medium	00:01:28	MH1X_bee980e8-ffa6-4b45-90	1
25.85	MHF	Finish node, manhole, reference: MH2	00:02:07		

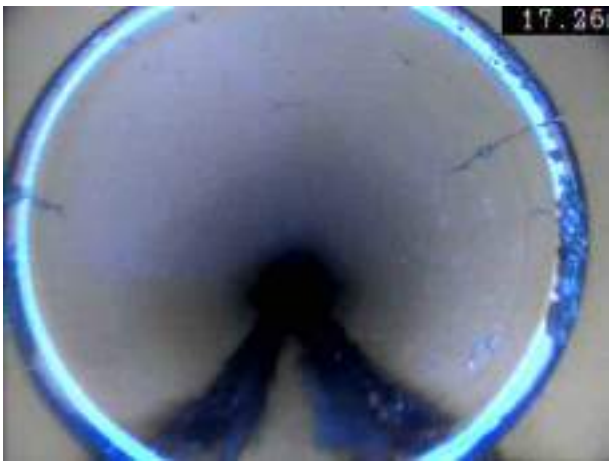
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	1.0	0.1	2.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 10/08/2022 - MH1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
6	Downstream	MH1X		



MH1X_efd2a7e3-387d-4452-b9ff-ebe42517d11c_20220812_152555_581.jpg, 00:00:12, 1.65 m
Open joint, medium



MH1X_bee980e8-ffa6-4b45-90cd-6b175f65e7f4_20220812_152727_421.jpg, 00:01:28, 17.23 m
Open joint, medium

Section Inspection - 10/08/2022 - UpstreamBX

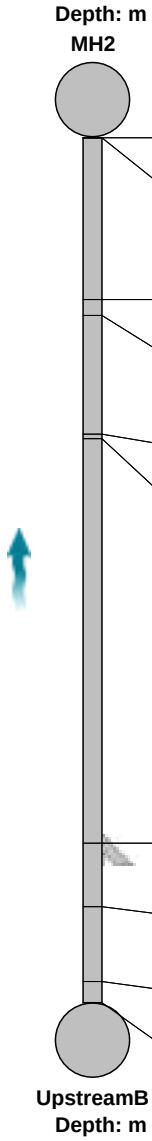
Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
7	1	10/08/22	13:31	Not Specified	Not Specified	Yes	UPSTREAMBX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMB
Road:	New Quay St	**Inspected Length:**	6.41 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	6.41 m	**Downstream Node:**	MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining
Comments:	LineB		
Recommendations:			

Scale: 1:56

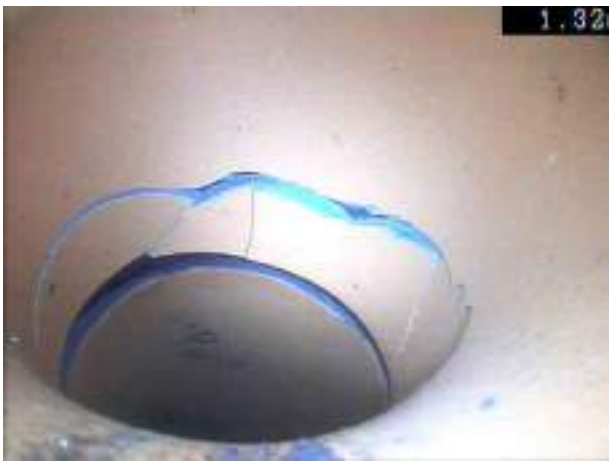


Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH2	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
1.20	OJM	Open joint, medium	00:00:17		1
1.32	BJ	Broken pipe at joint from 9 o'clock to 3 o'clock	00:00:18	Upstream BX_bdda89e0-652a-	4
2.20	OJM	Open joint, medium	00:00:27		1
2.23	LR	Line deviates right	00:00:27		
5.23	JN	Junction at 9 o'clock, 150mm dia	00:00:41		
5.70	LU	Line deviates up	00:00:43		
6.25	OJM	Open joint, medium	00:00:46	Upstream BX_1bc4965c-8cc3-	1
6.41	OCF	Finish node, other special chamber, reference: UpstreamB: P-trap	00:01:31	Upstream BX_7c857536-7cdf-4	

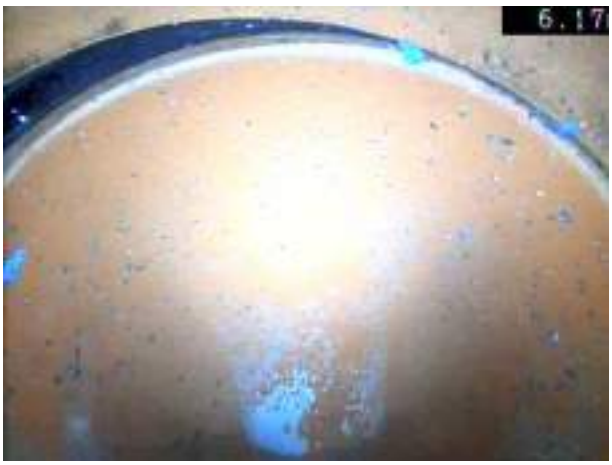
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
4	80.0	12.9	83.0	4.0	0	0.0	0.0	0.0	1.0

Section Pictures - 10/08/2022 - UpstreamBX

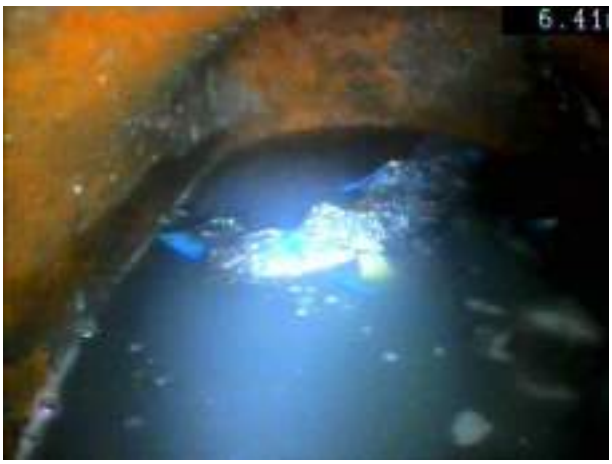
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
7	Upstream	UPSTREAMBX		



UpstreamBX_bdda89e0-652a-43e0-a23f-2607135777cd_20220812_152840_319.jpg, 00:00:18, 1.32 m
Broken pipe at joint from 9 o'clock to 3 o'clock



UpstreamBX_1bc4965c-8cc3-4a44-9ca1-b4d6af02d2f2_20220812_162755_261.jpg, 00:00:46, 6.25 m
Open joint, medium



UpstreamBX_7c857536-7cdf-479d-8713-02e34578a15c_20220812_162916_037.jpg, 00:01:31, 6.41 m
Finish node, other special chamber, reference: UpstreamB, P-trap

Section Inspection - 10/08/2022 - MH2X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
8	1	10/08/22	13:24	Not Specified	Not Specified	Yes	MH2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH2
Road:	New Quay St	**Inspected Length:**	9.13 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	9.13 m	**Downstream Node:**	MH4
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:80	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH2						
	0.00	MH	Start node, manhole, reference: MH2	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	9.13	MHF	Finish node, manhole, reference: MH4	00:01:03		
MH4 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 10/08/2022 - UpstreamCX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	1	10/08/22	13:34	Not Specified	Not Specified	Yes	UPSTREAMCX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMC
Road:	New Quay St	**Inspected Length:**	3.55 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.55 m	**Downstream Node:**	MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineC
Recommendations:

Scale: 1:50

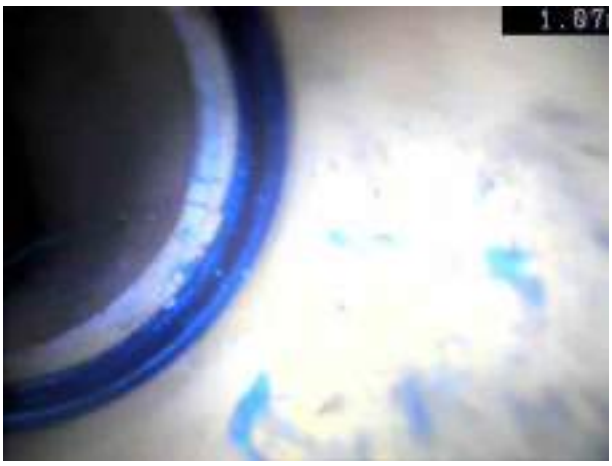


Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH2	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.60	LU	Line deviates up	00:00:02		
1.17	OJM	Open joint, medium	00:00:16	Upstream CX_7d77d580-35b2-	1
1.20	FC	Fracture, circumferential from 3 o'clock to 9 o'clock	00:00:17	Upstream CX_ca24512f-234a-4	3 / 2
2.50	FC	Fracture, circumferential from 6 o'clock to 9 o'clock	00:00:31		3 / 2
2.99	LU	Line deviates up	00:00:33		
3.55	OCF	Finish node, other special chamber, reference: UpstreamC	00:00:45	Upstream CX_f7851be1-ec69-	

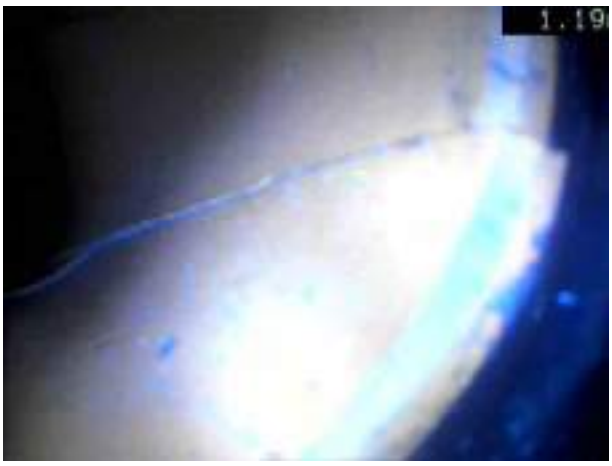
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
3	41.0	22.8	81.0	3.0	2	1.0	0.6	2.0	2.0

Section Pictures - 10/08/2022 - UpstreamCX

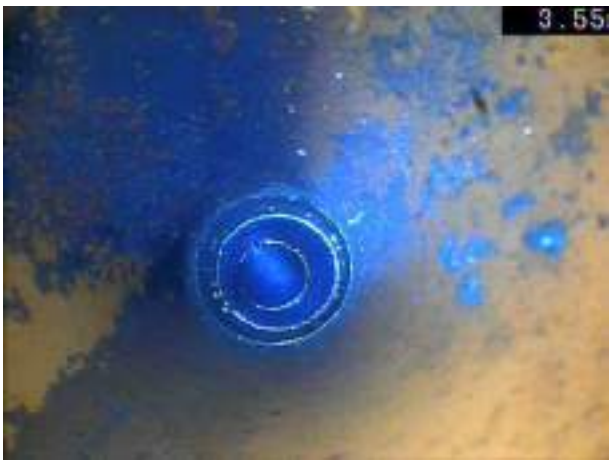
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
9	Upstream	UPSTREAMCX		



UpstreamCX_7d77d580-35b2-4b16-9aa1-e6bd3c603259_20220815_115923_563.jpg, 00:00:16, 1.17 m
Open joint, medium



UpstreamCX_ca24512f-234a-4e14-9710-e504e3db024c_20220815_115940_075.jpg, 00:00:17, 1.20 m
Fracture, circumferential from 3 o'clock to 9 o'clock



UpstreamCX_f7851be1-ec69-4907-b875-fecb7f7f83cf_20220815_120023_896.jpg, 00:00:45, 3.55 m
Finish node, other special chamber, reference: UpstreamC

Section Inspection - 10/08/2022 - UpstreamDX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
10	1	10/08/22	13:44	Not Specified	Not Specified	Yes	UPSTREAMDX

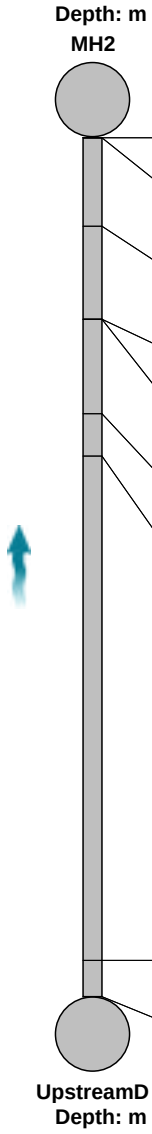
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMD
Road:	New Quay St	**Inspected Length:**	5.91 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	5.91 m	**Downstream Node:**	MH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineD
Recommendations:

Scale: 1:52



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH2	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.61	LU	Line deviates up	00:00:07		
1.25	OJM	Open joint, medium	00:00:17	Upstream DX_f77c6 e06-2270-	1
1.25	B	Broken pipe from 12 o'clock to 12 o'clock	00:00:17	Upstream DX_93d48 201-b0fd-4	4
1.90	LR	Line deviates right	00:00:22		
2.19	OJM	Open joint, medium	00:00:24	Upstream DX_7f5a9 003-551f-4	1
5.66	LU	Line deviates up	00:00:49		
5.91	OCF	Finish node, other special chamber, reference: Waste pipe	00:00:51		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
3	81.0	13.9	82.0	4.0	0	0.0	0.0	0.0	1.0

Section Pictures - 10/08/2022 - UpstreamDX

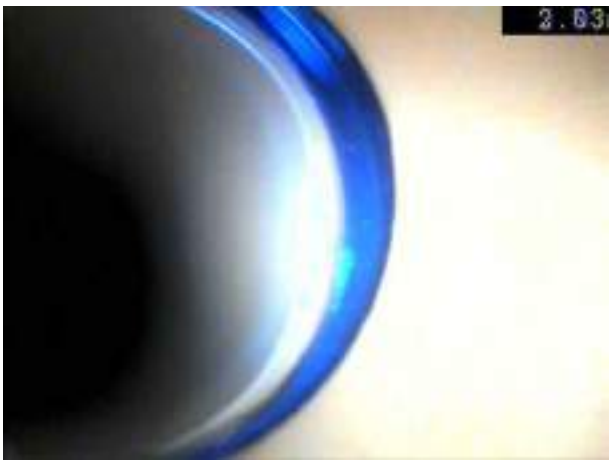
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
10	Upstream	UPSTREAMDX		



UpstreamDX_f77c6e06-2270-45c8-ba55-c9f90b955f62_20220815_121011_474.jpg, 00:00:17, 1.25 m
Open joint, medium



UpstreamDX_93d48201-b0fd-4386-84ac-bc14db3b56ee_20220815_121031_968.jpg, 00:00:17, 1.25 m
Broken pipe from 12 o'clock to 12 o'clock



UpstreamDX_7f5a9003-551f-4f19-8105-9a071f2043f5_20220815_121047_933.jpg, 00:00:24, 2.19 m
Open joint, medium

Section Inspection - 10/08/2022 - UpstreamBX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
11	1	10/08/22	14:13	Not Specified	Not Specified	Yes	UPSTREAMBX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMB
Road:	New Quay St	**Inspected Length:**	5.85 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	5.90 m	**Downstream Node:**	MH4
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:52

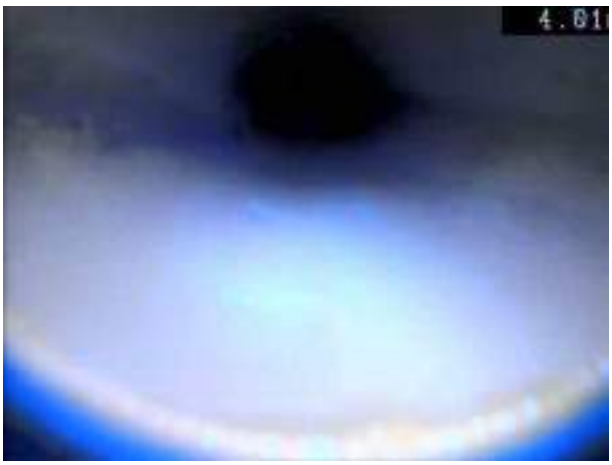


Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH4	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
3.83	LU	Line deviates up	00:00:24		
4.04	OJM	Open joint, medium	00:00:24	Upstream BX_eff81eda-6f03-47	1
5.85	JDL	Joint displaced, large	00:00:32	Upstream BX_3288c441-7bd7-	1 / 4
5.85	SA	Survey abandoned: Unable to travel past displaced joint	00:01:20		
5.90		End of pipe			

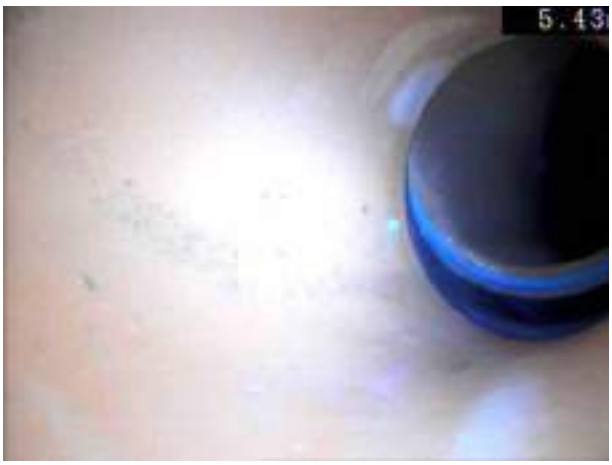
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
2	2.0	0.5	3.0	1.0	1	5.0	0.8	5.0	4.0

Section Pictures - 10/08/2022 - UpstreamBX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
11	Upstream	UPSTREAMBX		



UpstreamBX_eff81eda-6f03-4757-a243-792a37cd7f69_20220815_121219_693.jpg, 00:00:24, 4.04 m
Open joint, medium



UpstreamBX_3288c441-7bd7-4490-b0ba-b03d8dbfd9f7_20220815_121302_610.jpg, 00:00:32, 5.85 m
Joint displaced, large

Section Inspection - 10/08/2022 - UpstreamCX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
12	1	10/08/22	14:16	Not Specified	Not Specified	Yes	UPSTREAMCX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMC
Road:	New Quay St	**Inspected Length:**	2.52 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	2.52 m	**Downstream Node:**	MH4
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineC
Recommendations:

Scale: 1:50

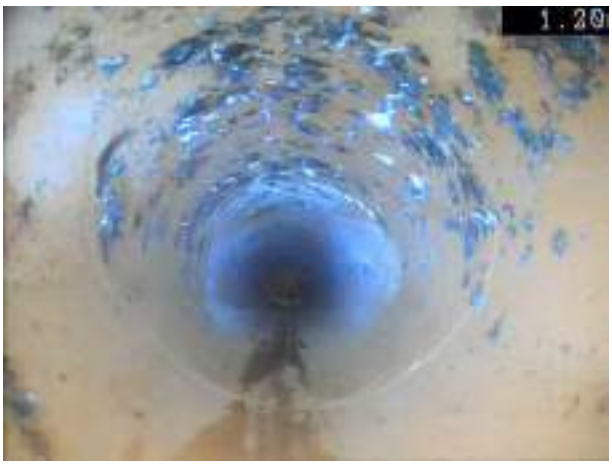


Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH4	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.50	LU	Line deviates up	00:00:06		
1.16	CC	Crack, circumferential from 2 o'clock to 10 o'clock	00:00:21	Upstream CX_c209d 8db-73b4-	2 / 2
2.14	OJM	Open joint, medium	00:00:29	Upstream CX_7c460 e79-16f5-4	1
2.51	JDL	Joint displaced, large	00:00:31	Upstream CX_c2752 237-21f4-4	1 / 4
2.52	SA	Survey abandoned: Unable to travel past displaced joint	00:00:37		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
3	10.0	5.2	13.0	2.0	2	5.0	2.4	6.0	4.0

Section Pictures - 10/08/2022 - UpstreamCX

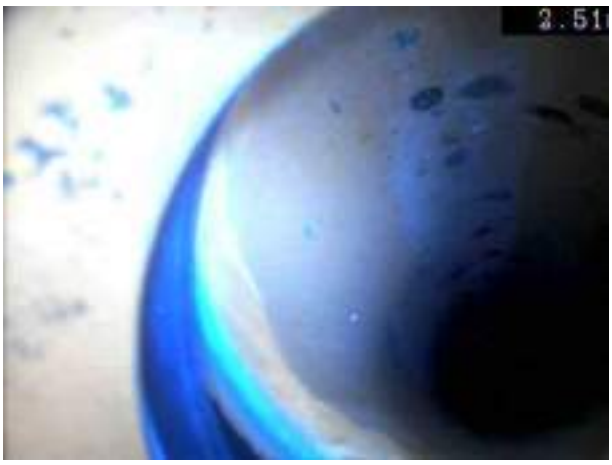
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
12	Upstream	UPSTREAMCX		



UpstreamCX_c209d8db-73b4-4cb0-83c0-becf6e0c1f78_20220815_121723_889.jpg, 00:00:21, 1.16 m
Crack, circumferential from 2 o'clock to 10 o'clock



UpstreamCX_7c460e79-16f5-4459-bf65-14cc716322da_20220815_121737_205.jpg, 00:00:29, 2.14 m
Open joint, medium



UpstreamCX_c2752237-21f4-4fd5-a4ee-c438aa43d909_20220815_121752_995.jpg, 00:00:31, 2.51 m
Joint displaced, large

Section Inspection - 10/08/2022 - MH4X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
13	1	10/08/22	14:20	Not Specified	Not Specified	Yes	MH4X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH4
Road:	New Quay St	**Inspected Length:**	12.78 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	12.78 m	**Downstream Node:**	MH5
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:111

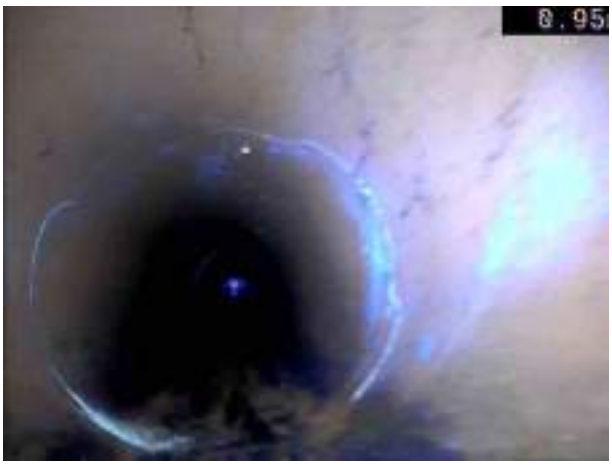


Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH4					
0.00	MH	Start node, manhole, reference: MH4	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.60	CC	Crack, circumferential from 8 o'clock to 12 o'clock	00:00:07		2 / 2
0.95	FC	Fracture, circumferential from 12 o'clock to 12 o'clock	00:00:08	MH4X_62 a839da-4c 53-4380-8f	3 / 2
5.75	CC	Crack, circumferential from 8 o'clock to 12 o'clock	00:00:43		2 / 2
12.07	SC	Pipe size changes, new size(s), 225mm high	00:01:21	MH4X_07 98a01b-5b 62-4279-b	
12.78	MHF	Finish node, manhole, reference: MH5	00:01:31		
MH5 Depth: m					

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
3	40.0	4.7	60.0	3.0	3	1.0	0.2	3.0	2.0

Section Pictures - 10/08/2022 - MH4X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
13	Downstream	MH4X		



MH4X_62a839da-4c53-4380-8f88-bb59651818a3_20220815_122305_176.jpg, 00:00:08, 0.95 m
Fracture, circumferential from 12 o'clock to 12 o'clock



MH4X_0798a01b-5b62-4279-bb8d-5a234633ea9c_20220815_122414_286.jpg, 00:01:21, 12.07 m
Pipe size changes, new size(s), 225mm high

Section Inspection - 10/08/2022 - CappEndX

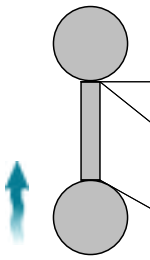
Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
14	1	10/08/22	14:24	Not Specified	Not Specified	Yes	CAPPENDX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	CAPPEND
Road:	New Quay St	**Inspected Length:**	0.65 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	0.65 m	**Downstream Node:**	MH3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineB
Recommendations:



Scale: 1:50 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH3	00:00:00		
0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
0.65	DEC	Settled deposits, hard or compacted, 100% cross-sectional area loss: Suspected concrete	00:00:10	CappEndX_3005a8ad-6250-49	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0

Section Pictures - 10/08/2022 - CappEndX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
14	Upstream	CAPPENDX		



CappEndX_3005a8ad-6250-4982-85bd-e1b5606cd768_20220815_122709_726.jpg, 00:00:10, 0.65 m
Settled deposits, hard or compacted, 100% cross-sectional area loss, Suspected concrete

Section Inspection - 10/08/2022 - RoddingEyeX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
15	1	10/08/22	14:25	Not Specified	Not Specified	Yes	RODDINGEYEX

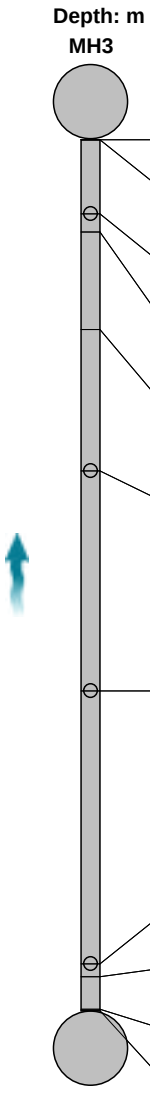
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	RODDINGEYE
Road:	New Quay St	**Inspected Length:**	37.47 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	37.47 m	**Downstream Node:**	MH3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:325

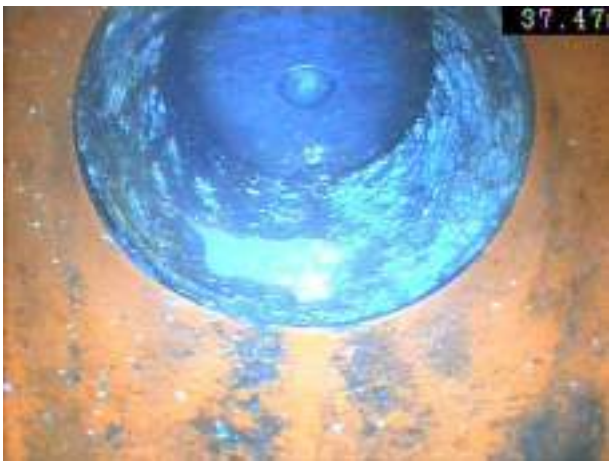


Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH3	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
3.21	JN	Junction at 12 o'clock, 100mm dia	00:00:21		
3.99	WL	Water level, 10% of the vertical dimension	00:00:26		
8.17	WL	Water level, 5% of the vertical dimension	00:00:49		
14.26	JN	Junction at 12 o'clock, 150mm dia	00:01:26		
23.70	JN	Junction at 12 o'clock, 150mm dia	00:02:14		
35.44	JN	Junction at 12 o'clock, 150mm dia	00:03:01		
36.00	LU	Line deviates up	00:03:04		
37.40	JDM	Joint displaced, medium	00:05:04		1 / 3
37.47	REF	Finish node, rodding eye, reference: RE1	00:05:07	Upstream AX_c6b91 3e8-ff4f-45	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	1.0	0.0	1.0	1.0	1	2.0	0.1	2.0	3.0

Section Pictures - 10/08/2022 - RoddingEyeX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
15	Upstream	RODDINGEYEX		



UpstreamAX_c6b913e8-ff4f-4561-8e30-8e7774c8e180_20220815_124807_334.jpg, 00:05:07, 37.47 m
Finish node, rodding eye, reference: RE1

Section Inspection - 11/08/2022 - IMH3X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
16	1	11/08/22	12:32	Not Specified	Not Specified	Yes	IMH3X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	IMH3
Road:	New Quay St	**Inspected Length:**	26.04 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	26.04 m	**Downstream Node:**	MH5
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineB
Recommendations:

Scale: 1:226



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH5	00:00:00		
0.00	WL	Water level, 20% of the vertical dimension	00:00:01		
4.88	WL	Water level, 5% of the vertical dimension	00:00:26		
20.93	CC	Crack, circumferential from 6 o'clock to 8 o'clock	00:01:46	Upstream BX_fa20e 921-6607-	2 / 2
26.04	MHF	Finish node, manhole, reference: IMH3: Kitchen internal manhole	00:02:07		

Construction Features
Structural Defects

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade
1	10.0	0.4	10.0	2.0

Miscellaneous Features
Service & Operational Observations

SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.0	1.0	2.0

Section Pictures - 11/08/2022 - IMH3X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
16	Upstream	IMH3X		



UpstreamBX_fa20e921-6607-46d8-b8e0-045d49fe5e11_20220815_125814_773.jpg, 00:01:46, 20.93 m
Crack, circumferential from 6 o'clock to 8 o'clock

Section Inspection - 11/08/2022 - IMH2X

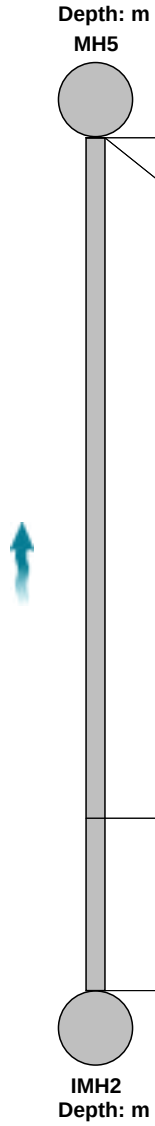
Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
17	1	11/08/22	12:37	Not Specified	Not Specified	Yes	IMH2X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	IMH2
Road:	New Quay St	**Inspected Length:**	5.64 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	5.64 m	**Downstream Node:**	MH5
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining
Comments:	LineC		
Recommendations:			

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH5	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension	00:00:01		
4.50	WL	Water level, 5% of the vertical dimension	00:00:20		
5.64	MHF	Finish node, manhole, reference: IMH2	00:00:25		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 11/08/2022 - FloorGullyX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
18	1	11/08/22	12:35	Not Specified	Not Specified	Yes	FLOORGULLYX

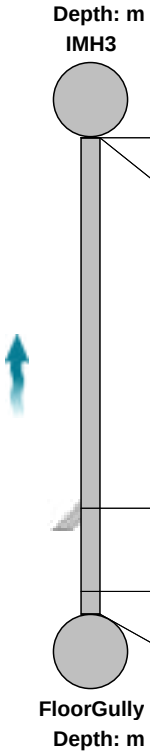
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	FLOORGULLY
Road:	New Quay St	**Inspected Length:**	3.15 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.15 m	**Downstream Node:**	IMH3
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: INTERNALMH	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
2.45	JN	Junction at 2 o'clock, 100mm dia	00:00:19		
3.00	LD	Line deviates down	00:00:22		
3.15	OCF	Finish node, other special chamber, reference: FloorGully: P-trap	00:00:23		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 11/08/2022 - IMH1X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
19	1	11/08/22	14:15	Not Specified	Not Specified	Yes	IMH1X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	IMH1
Road:	New Quay St	**Inspected Length:**	4.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.00 m	**Downstream Node:**	IMH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m IMH2						
	0.00	MH	Start node, manhole, reference: IMH2	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	4.00	MHF	Finish node, manhole, reference: IMH1	00:00:32		
IMH1 Depth: m						



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 11/08/2022 - FemaleW/CX

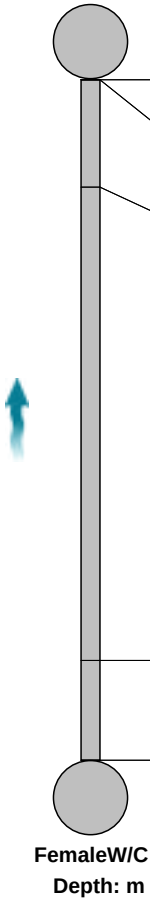
Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
20	1	11/08/22	14:16	Not Specified	Not Specified	Yes	FEMALEW/CX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	FEMALEW/C
Road:	New Quay St	**Inspected Length:**	4.50 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.50 m	**Downstream Node:**	IMH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineB
Recommendations:

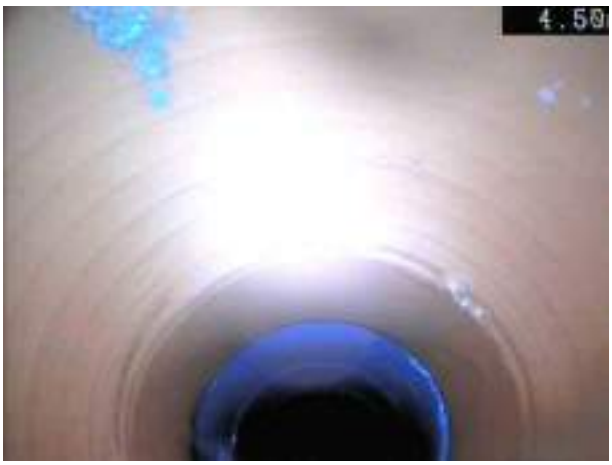


Scale: 1:50 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: IMH2	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.71	LU	Line deviates up	00:00:03		
3.84	LU	Line deviates up	00:00:29		
4.50	OCF	Finish node, other special chamber, reference: FemaleW/C	00:00:32	FemaleW_CX_25c30d3d-692b-	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 11/08/2022 - FemaleW/CX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
20	Upstream	FEMALEW/CX		



FemaleW_CX_25c30d3d-692b-4b29-9126-a3558645ac41_20220815_143039_857.jpg, 00:00:32, 4.50 m
Finish node, other special chamber, reference: FemaleW/C

Section Inspection - 11/08/2022 - MaleW/CX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
21	1	11/08/22	14:21	Not Specified	Not Specified	Yes	MALEW/CX

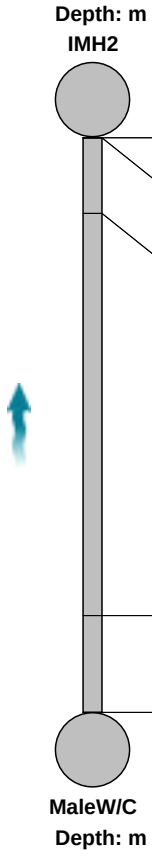
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MALEW/C
Road:	New Quay St	**Inspected Length:**	3.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.80 m	**Downstream Node:**	IMH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineC
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: IMH2	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.50	LU	Line deviates up	00:00:04		
3.16	LU	Line deviates up	00:00:27		
3.80	OCF	Finish node, other special chamber, reference: MaleW/C	00:00:35		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 11/08/2022 - Disab W/CX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
22	1	11/08/22	14:22	Not Specified	Not Specified	Yes	DISAB W/CX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	DISAB W/C
Road:	New Quay St	**Inspected Length:**	3.79 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.79 m	**Downstream Node:**	IMH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineD
Recommendations:

Scale: 1:50

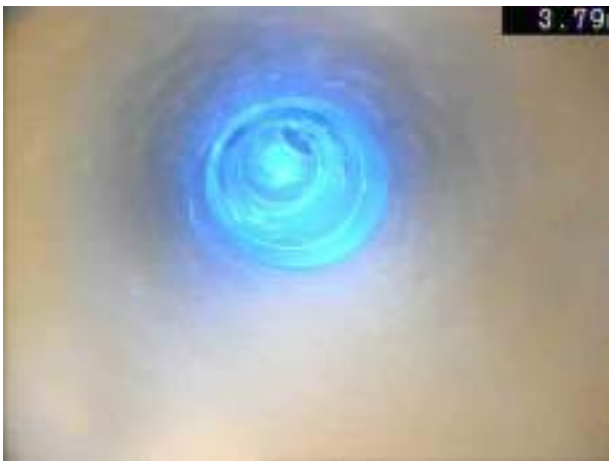


Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: IMH2	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.60	CUW	Loss of vision, camera under water	00:00:09		
2.00	LU	Line deviates up	00:00:16		
3.79	OCF	Finish node, other special chamber, reference: Disabled W/C	00:00:32	Disab W_CX_c1 9708ef-49	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 11/08/2022 - Disab W/CX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
22	Upstream	DISAB W/CX		



Disab
W_CX_c19708ef-4905-435d-ab7c-212bb4619851_20220815_143458_669.jpg, 00:00:32, 3.79 m
Finish node, other special chamber, reference: Disabled W/C

Section Inspection - 11/08/2022 - MaleSinksX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
23	1	11/08/22	14:24	Not Specified	Not Specified	Yes	MALESINKSX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MALESINKS
Road:	New Quay St	**Inspected Length:**	3.79 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.79 m	**Downstream Node:**	IMH2
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

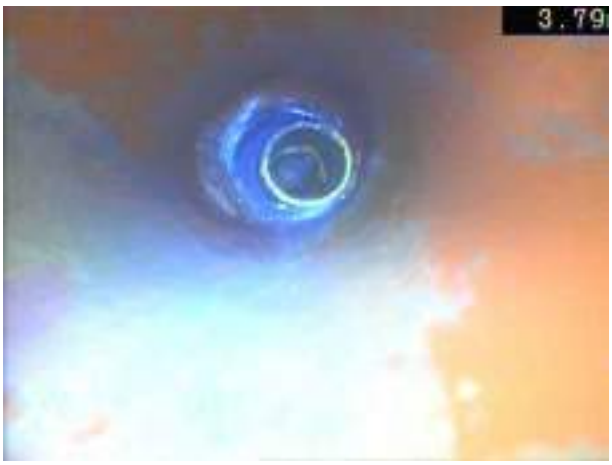
Comments: LineE
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m IMH2						
	0.00	MH	Start node, manhole, reference: IMH2	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	2.49	LR	Line deviates right	00:00:21		
	2.92	LU	Line deviates up	00:00:24		
	3.79	OCF	Finish node, other special chamber, reference: MaleSinks	00:00:29	MaleSinks X_c510c2 19-1da8-4f	
MaleSinks Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 11/08/2022 - MaleSinksX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
23	Upstream	MALESINKSX		



MaleSinksX_c510c219-1da8-4f85-9a35-54f79156e85b_20220815_143644_539.jpg, 00:00:29, 3.79 m
Finish node, other special chamber, reference: MaleSinks

Section Inspection - 11/08/2022 - UpstreamAX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
24	1	11/08/22	14:42	Not Specified	Not Specified	Yes	UPSTREAMAX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMA
Road:	New Quay St	**Inspected Length:**	3.67 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.67 m	**Downstream Node:**	IMH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineA
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: IMH1	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.71	LU	Line deviates up	00:00:05		
2.85	LU	Line deviates up	00:00:22		
3.67	OCF	Finish node, other special chamber, reference: UpstreamA: Cap	00:00:29		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 11/08/2022 - UpstreamBX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
25	1	11/08/22	14:43	Not Specified	Not Specified	Yes	UPSTREAMBX

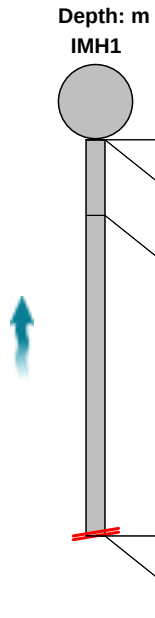
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMB
Road:	New Quay St	**Inspected Length:**	2.62 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	2.62 m	**Downstream Node:**	IMH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineB
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: IMH1	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.50	LU	Line deviates up	00:00:06		
2.62	DEC	Settled deposits, hard or compacted, 10% cross-sectional area loss	00:00:19		3
2.62	SA	Survey abandoned: Unable to travel due to concrete	00:00:21		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	1	2.0	0.8	2.0	3.0

Section Inspection - 11/08/2022 - UpstreamCX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
26	1	11/08/22	14:44	Not Specified	Not Specified	Yes	UPSTREAMCX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMC
Road:	New Quay St	**Inspected Length:**	3.33 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	3.33 m	**Downstream Node:**	IMH1
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:		**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineC
Recommendations:

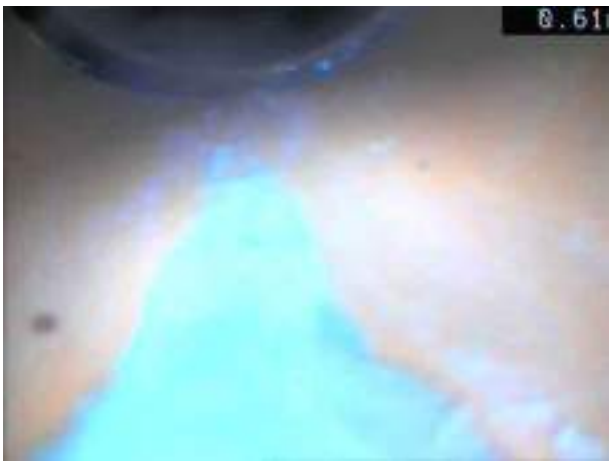


Scale: 1:50 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: IMH1	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.61	LU	Line deviates up	00:00:16		
0.66	DEC	Settled deposits, hard or compacted, 5% cross-sectional area loss: suspect concrete	00:00:17	Upstream CX_7f872 6bf-78b3-4	3
2.40	OJM	Open joint, medium	00:00:29	Upstream CX_9f722 11f-6398-4	1
3.33	OCF	Finish node, other special chamber, reference: UpstreamC: Cap	00:00:36	Upstream CX_f12a1 989-439d-	

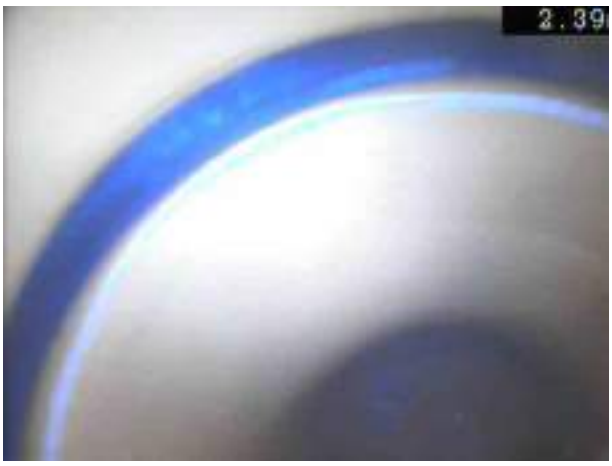
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	1.0	0.3	1.0	1.0	1	2.0	0.6	2.0	3.0

Section Pictures - 11/08/2022 - UpstreamCX

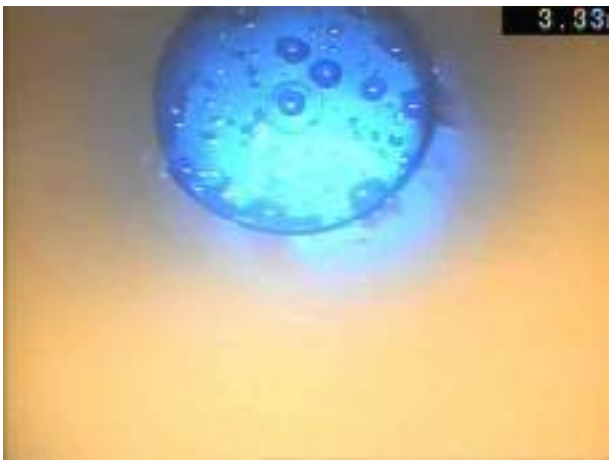
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
26	Upstream	UPSTREAMCX		



UpstreamCX_7f8726bf-78b3-4ae3-a460-b3058b5544ed_20220815_144034_517.jpg, 00:00:17, 0.66 m
Settled deposits, hard or compacted, 5% cross-sectional area loss, suspect concrete



UpstreamCX_9f72211f-6398-41ed-9ff5-b757fe7207f6_20220815_144054_978.jpg, 00:00:29, 2.40 m
Open joint, medium



UpstreamCX_f12a1989-439d-4ee7-9cee-ae8214af18f6_20220815_144112_823.jpg, 00:00:36, 3.33 m
Finish node, other special chamber, reference: UpstreamC, Cap

Section Inspection - 05/09/2022 - MH12X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
27	1	05/09/22	22:01	Not Specified	Rain	Yes	MH12X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH12
Road:	New Quay St	**Inspected Length:**	31.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	31.80 m	**Downstream Node:**	MH8
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	600 mm
Flow Control:	No flow control	**Material:**	Concrete
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:



Scale: 1:276 Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH8	00:00:00		
0.00		WL	Water level, 10% of the vertical dimension	00:00:01		
8.90	S01	DER	Settled deposits, coarse, 10% cross-sectional area loss, start	00:00:39		
13.24		CN	Connection other than junction at 12 o'clock, 150mm dia	00:00:57		
20.60	F01	DER	Settled deposits, coarse, 10% cross-sectional area loss, finish	00:01:21		3
20.60	S02	DER	Settled deposits, coarse, 20% cross-sectional area loss, start	00:01:22	MH12X_c5e822d2-d0a1-4c9a-b	
30.45	F02	DER	Settled deposits, coarse, 20% cross-sectional area loss, finish	00:02:07		4
30.50		DEX	Settled deposits, other, 10% cross-sectional area loss: Brick	00:02:07	MH12X_bf1b8a2b-57a9-46d4-8	3
31.73		REM	General remark: Cross over with section 28	00:02:25		
31.80		SA	Survey abandoned: Unable to travel past deposits	00:02:16		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	3	7.0	2.4	76.0	4.0

Section Pictures - 05/09/2022 - MH12X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
27	Upstream	MH12X		



MH12X_c5e822d2-d0a1-4c9a-b9dc-df818cca1871_20220913_151518_175.jpg, 00:01:22, 20.60 m
Settled deposits, coarse, 20% cross-sectional area loss, start



MH12X_bf1b8a2b-57a9-46d4-8d96-06b1f0108afd_20220913_151806_971.jpg, 00:02:07, 30.50 m
Settled deposits, other, 10% cross-sectional area loss, Brick

Section Inspection - 05/09/2022 - MH12X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
28	1	05/09/22	23:25	Not Specified	Rain	Yes	MH12X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH12
Road:	New Quay St	**Inspected Length:**	2.68 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	2.68 m	**Downstream Node:**	MH8
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	600 mm
Flow Control:	No flow control	**Material:**	Concrete
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH12						
	0.00	MH	Start node, manhole, reference: MH12	00:00:00		
	0.00	WL	Water level, 10% of the vertical dimension	00:00:01		
	2.68	OCF	Finish node, other special chamber, reference: MH8: Cross over with section 27	00:00:20		
MH8 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 05/09/2022 - MH8X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
29	1	05/09/22	22:08	Not Specified	Rain	Yes	MH8X

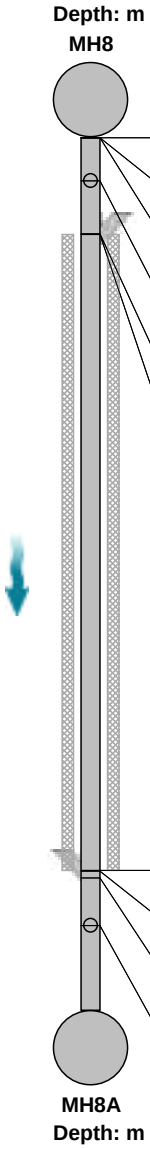
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH8
Road:	New Quay St	**Inspected Length:**	34.41 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	38.10 m	**Downstream Node:**	MH8A
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	600 mm
Flow Control:	No flow control	**Material:**	Concrete
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:330



Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH8	00:00:00		
0.00		WL	Water level, 10% of the vertical dimension	00:00:01		
0.00		MHF	Finish node, manhole, reference: MH8A	00:02:24		
1.90		CN	Connection other than junction at 12 o'clock, 150mm dia	00:00:15		
4.20		CN	Connection other than junction at 11 o'clock, 150mm dia	00:00:24		
4.25	S01	DER	Settled deposits, coarse, 10% cross-sectional area loss, start	00:00:24		
32.00		CN	Connection other than junction at 1 o'clock, 150mm dia	00:01:40		
32.02	F01	DER	Settled deposits, coarse, 10% cross-sectional area loss, finish	00:01:42		3
32.33		DEC	Settled deposits, hard or compacted, 15% cross-sectional area loss	00:01:45		3
34.41		CN	Connection other than junction at 12 o'clock, 150mm dia	00:02:06		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	2	4.0	1.5	58.0	3.0

Section Inspection - 14/09/2022 - UpstreamCX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
30	1	14/09/22	9:22	Not Specified	Rain	Yes	UPSTREAMCX

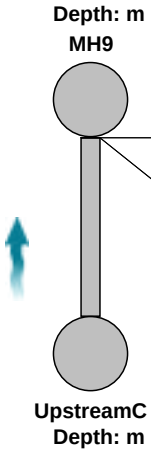
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMC
Road:	New Quay St	**Inspected Length:**	1.15 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.18 m	**Downstream Node:**	MH9
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineC
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH9	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 05/09/2022 - MH12AX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
31	1	05/09/22	23:28	Not Specified	Rain	Yes	MH12AX

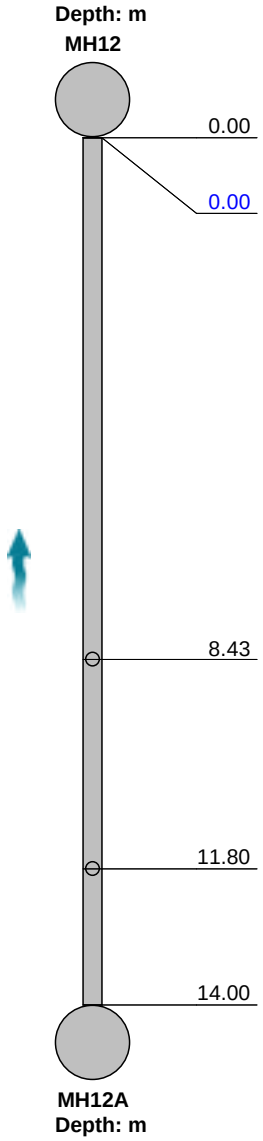
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH12A
Road:	New Quay St	**Inspected Length:**	14.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	14.00 m	**Downstream Node:**	MH12
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	600 mm
Flow Control:	No flow control	**Material:**	Concrete
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:122



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH12	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension	00:00:01		
8.43	CN	Connection other than junction at 12 o'clock, 150mm dia	00:00:31		
11.80	CN	Connection other than junction at 12 o'clock, 150mm dia	00:00:39		
14.00	MHF	Finish node, manhole, reference: MH12A	00:00:45		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 05/09/2022 - MH12BX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
32	1	05/09/22	23:35	Not Specified	Rain	Yes	MH12BX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH12B
Road:	New Quay St	**Inspected Length:**	5.50 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	5.50 m	**Downstream Node:**	MH12
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH12						
	0.00	MH	Start node, manhole, reference: MH12	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	5.50	MHF	Finish node, manhole, reference: MH12B	00:00:32		
MH12B Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 06/09/2022 - MH16X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
33	1	06/09/22	1:10	Not Specified	Rain	Yes	MH16X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	MH16
Road:	New Quay St	**Inspected Length:**	37.50 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	37.50 m	**Downstream Node:**	MH12
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	300 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: CCTV started after drop-shaft junction
Recommendations:

Scale: 1:325



Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH12	00:00:00		
0.00		WL	Water level, 5% of the vertical dimension	00:00:00		
7.12	S01	DER	Settled deposits, coarse, 5% cross-sectional area loss, start	00:00:32		
8.80	F01	DER	Settled deposits, coarse, 5% cross-sectional area loss, finish	00:00:38		3
12.45	S02	DER	Settled deposits, coarse, 5% cross-sectional area loss, start	00:00:51		
12.45		JN	Junction at 12 o'clock, 150mm dia	00:00:52		
15.50	F02	DER	Settled deposits, coarse, 5% cross-sectional area loss, finish	00:01:03		3
17.04		JN	Junction at 12 o'clock, 150mm dia	00:01:09		
22.60		DER	Settled deposits, coarse, 5% cross-sectional area loss	00:01:29		3
25.15	S03	DER	Settled deposits, coarse, 10% cross-sectional area loss, start	00:01:39		
33.95		CN	Connection other than junction at 12 o'clock, 150mm dia	00:02:17		
35.90	F03	DER	Settled deposits, coarse, 10% cross-sectional area loss, finish	00:02:25		3
36.64		DEC	Settled deposits, hard or compacted, 15% cross-sectional area loss	00:02:26	MH16X_4fc04d4d-fb93-4501-b	3
37.50		MHF	Finish node, manhole, reference: MH16	00:00:00		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	5	2.0	1.0	38.0	3.0

Section Pictures - 06/09/2022 - MH16X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
33	Upstream	MH16X		



MH16X_4fc04d4d-fb93-4501-b2f6-39c4990562ef_20220913_153942_771.jpg, 00:02:26, 36.64 m
Settled deposits, hard or compacted, 15% cross-sectional area loss

Section Inspection - 06/09/2022 - UpstreamBX

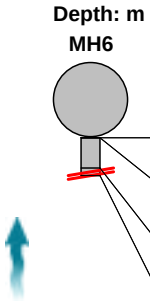
Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
34	1	06/09/22	19:59	Not Specified	Rain	Yes	UPSTREAMBX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAMB
Road:	New Quay St	**Inspected Length:**	0.25 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	0.25 m	**Downstream Node:**	MH6
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	225 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:



Scale: 1:50 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH6	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.20	LU	Line deviates up	00:00:01		
0.25	SA	Survey abandoned: Unable to travel up steep incline	00:00:12		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 06/09/2022 - MH17X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
35	1	06/09/22	21:45	Not Specified	Rain	Yes	MH17X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH17
Road:	New Quay St	**Inspected Length:**	1.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	1.60 m	**Downstream Node:**	MH19
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Egg shaped		
Type of Pipe:		**Dia/Height:**	860 mm	**Width:**	570 mm
Flow Control:	No flow control	**Material:**	Brick		
Year Constructed:	Not Specified	**Lining Type:**	No Lining		
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining		

Comments:
Recommendations:

Scale: 1:50



Position [m]		Code	Observation	MPEG	Photo	Grade
0.00		MH	Start node, manhole, reference: MH17	00:00:00		
0.00		WL	Water level, 35% of the vertical dimension	00:00:01		
0.00	S01	DES	Settled deposits, fine, 30% cross-sectional area loss, start	00:00:06		
1.60	F01	DES	Settled deposits, fine, 30% cross-sectional area loss, finish	00:02:05		4
1.60		SA	Survey abandoned: Unable to travel through thick silt	00:02:05		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	1	5.0	6.3	10.0	5.0

Section Inspection - 06/09/2022 - UpstreamX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
36	1	06/09/22	21:48	Not Specified	Rain	Yes	UPSTREAMX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAM
Road:	New Quay St	**Inspected Length:**	0.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	0.00 m	**Downstream Node:**	MH17
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Egg shaped		
Type of Pipe:		**Dia/Height:**	860 mm	**Width:**	570 mm
Flow Control:	No flow control	**Material:**	Brick		
Year Constructed:	Not Specified	**Lining Type:**	No Lining		
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining		

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH17						
	0.00	MH	Start node, manhole, reference: MH17	00:00:00		
Upstream Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0

Section Inspection - 07/09/2022 - MH14X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
37	1	07/09/22	1:00	Not Specified	Rain	Yes	MH14X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH14
Road:	New Quay St	**Inspected Length:**	4.20 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	4.20 m	**Downstream Node:**	MH13
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	300 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH14						
	0.00	MH	Start node, manhole, reference: MH14	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	3.00	OJM	Open joint, medium	00:00:20		1
	4.20	MHF	Finish node, manhole, reference: MH13	00:00:28		
MH13 Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	1.0	0.2	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 07/09/2022 - MH13X

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
38	1	07/09/22	1:11	Not Specified	Rain	Yes	MH13X

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Downstream	**Upstream Node:**	MH13
Road:	New Quay St	**Inspected Length:**	12.00 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	12.00 m	**Downstream Node:**	MH11
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	300 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:104



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH13	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
6.09	VR	Vermin, rat	00:00:33	MH13X_435c620e-952d-43c8-	
7.80	RPL	Point repair, localised lining from 12 o'clock to 12 o'clock	00:00:50	MH13X_cbe724e9-fe59-4f4a-a7	
12.00	MHF	Finish node, manhole, reference: MH11	00:01:10		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 07/09/2022 - MH13X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
38	Downstream	MH13X		



MH13X_435c620e-952d-43c8-89af-ef4fc4f2a2a0_20220913_154906_957.jpg, 00:00:33, 6.09 m
Vermin, rat



MH13X_cbe724e9-fe59-4f4a-a7c4-a2c3ee340fe1_20220913_155449_763.jpg, 00:00:50, 7.80 m
Point repair, localised lining from 12 o'clock to 12 o'clock

Section Inspection - 14/09/2022 - UpstreamX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
39	1	14/09/22	9:23	Not Specified	Not Specified	Yes	UPSTREAMX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	UPSTREAM
Road:	New Quay St	**Inspected Length:**	6.50 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	6.50 m	**Downstream Node:**	MH18
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:

Scale: 1:57



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH18	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.20	OJM	Open joint, medium	00:00:01	UpstreamX_57c4b89f-89ff-4af	1
1.00	DEC	Settled deposits, hard or compacted, 15% cross-sectional area loss	00:00:06		3
1.10	JDM	Joint displaced, medium	00:00:08		1 / 3
1.50	FC	Fracture, circumferential from 5 o'clock to 7 o'clock	00:00:21		3 / 2
1.50	FL	Fracture, longitudinal at 8 o'clock	00:00:21		3 / 2
1.50	CC	Crack, circumferential from 10 o'clock to 11 o'clock	00:00:21		2 / 2
1.50	FC	Fracture, circumferential from 3 o'clock to 6 o'clock	00:00:21	UpstreamX_5cdfbf20-2f55-411	3 / 2
1.70	JDM	Joint displaced, medium	00:00:25	UpstreamX_a824647e-6dfc-4b	1 / 3
2.40	CC	Crack, circumferential from 12 o'clock to 12 o'clock	00:00:30	UpstreamX_ef1b2e7b-df89-49d	2 / 2
5.90	LU	Line deviates up	00:00:52		
6.50	SA	Survey abandoned: Unable to travel up steep incline	00:01:32		

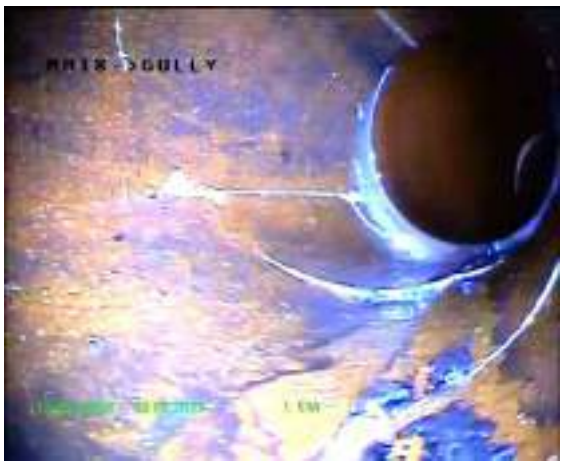
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
8	130.0	22.0	143.0	3.0	8	4.0	1.7	11.0	3.0

Section Pictures - 14/09/2022 - UpstreamX

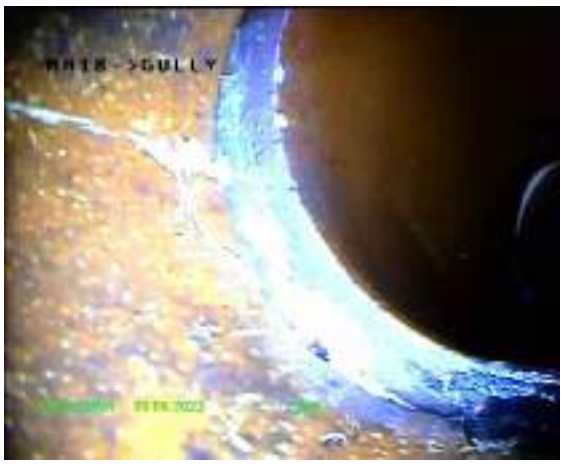
Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
39	Upstream	UPSTREAMX		



UpstreamX_57c4b89f-89ff-4af9-8d41-6b2bebfd0e9c_20220914_105536_802.jpg, 00:00:01, 0.20 m
Open joint, medium



UpstreamX_5cdfbf20-2f55-4118-a663-2a5f698b697c_20220914_105704_049.jpg, 00:00:21, 1.50 m
Fracture, circumferential from 3 o'clock to 6 o'clock



UpstreamX_a824647e-6dfc-4bca-a197-b3c20ecf3de4_20220914_105714_346.jpg, 00:00:25, 1.70 m
Joint displaced, medium



UpstreamX_ef1b2e7b-df89-49d5-b60e-9181f624040e_20220914_105731_466.jpg, 00:00:30, 2.40 m
Crack, circumferential from 12 o'clock to 12 o'clock

Section Inspection - 14/09/2022 - CappEndX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
40	1	14/09/22	9:23	Not Specified	Not Specified	Yes	CAPPENDX

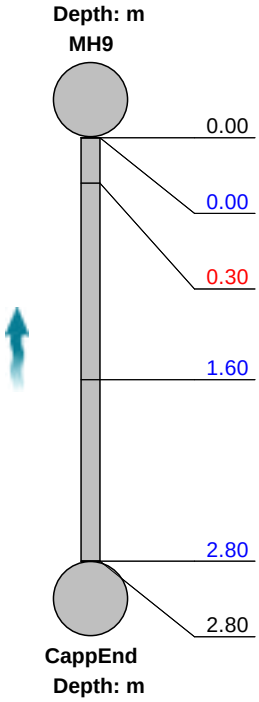
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	CAPPEND
Road:	New Quay St	**Inspected Length:**	2.80 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	2.80 m	**Downstream Node:**	MH9
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:		**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineB
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH9	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.30	OJM	Open joint, medium	00:00:06	CappEndX_6b61355e-e658-4ff	1
1.60	WL	Water level, 15% of the vertical dimension	00:00:13		
2.80	WL	Water level, 10% of the vertical dimension	00:00:19		
2.80	OCF	Finish node, other special chamber, reference: CappEnd	00:00:20		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	1.0	0.4	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/09/2022 - CappEndX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
40	Upstream	CAPPENDX		



CappEndX_6b61355e-e658-4ff9-b5e0-3e2fd8cf2e6b_20220914_105908_584.jpg, 00:00:06, 0.30 m
Open joint, medium

Section Inspection - 14/09/2022 - CollapseX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
41	1	14/09/22	9:22	Not Specified	Rain	Yes	COLLAPSEX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	COLLAPSE
Road:	New Quay St	**Inspected Length:**	2.70 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	2.70 m	**Downstream Node:**	MH10
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Foul	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments:
Recommendations:



Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH10						
	0.00	MH	Start node, manhole, reference: MH10	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	0.10	DER	Settled deposits, coarse, 50% cross-sectional area loss	00:00:01	CollapseX_904eb1ca-9ae1-4ef	
	2.70	XP	Collapsed drain or sewer	00:00:15	CollapseX_b2511b6d-c7f8-4ca	
Collapse Depth: m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0

Section Pictures - 14/09/2022 - CollapseX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
41	Upstream	COLLAPSEX		



CollapseX_904eb1ca-9ae1-4ef0-9f4b-a80e8cd24855_20220914_110003_507.jpg, 00:00:01, 0.10 m
Settled deposits, coarse, 50% cross-sectional area loss



CollapseX_b2511b6d-c7f8-4cae-9ef1-15bd76b1842f_20220914_110044_209.jpg, 00:00:15, 2.70 m
Collapsed drain or sewer

Section Inspection - 14/09/2022 - GullyX

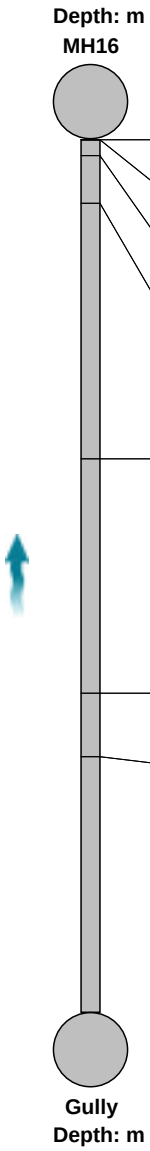
Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
42	1	14/09/22	9:22	Not Specified	Rain	Yes	GULLYX

Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	GULLY
Road:	New Quay St	**Inspected Length:**	11.60 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	16.40 m	**Downstream Node:**	MH16
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining
Comments:	LineB		
Recommendations:			

Scale: 1:142



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH16	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.30	OJM	Open joint, medium	00:00:08		1
1.20	LU	Line deviates up	00:00:19		
6.00	LR	Line deviates right	00:00:45		
10.40	LR	Line deviates right	00:01:09		
11.60	GYF	Finish node, gully, reference: Gully	00:01:22	GullyX_73fc84e4-6277-442f-9d6	

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
1	1.0	0.1	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/09/2022 - GullyX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
42	Upstream	GULLYX		



GullyX_73fc84e4-6277-442f-9d6c-c3e3bab7e089_20220914_110237_180.jpg, 00:01:22, 11.60 m
Finish node, gully, reference: Gully

Section Inspection - 14/09/2022 - GullyX

Item No.	Insp. No.	Date:	Time:	Client`s Job Ref	Weather	Pre Cleaned	PLR
43	1	14/09/22	9:22	Not Specified	Rain	Yes	GULLYX

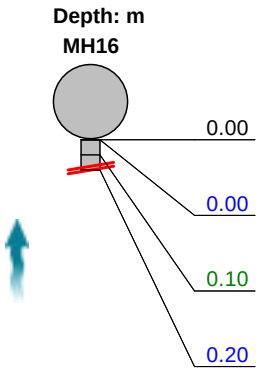
Operator	Vehicle	Camera	Preset Length	Legal Status	Alternative ID
KD	CCTV-YH65	P345	Not Specified	Not Specified	Not Specified

Town or Village:	Manchester	**Inspection Direction:**	Upstream	**Upstream Node:**	GULLY
Road:	New Quay St	**Inspected Length:**	0.20 m	**Upstream Pipe Depth:**	
Location:		**Total Length:**	0.20 m	**Downstream Node:**	MH16
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Surface water	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Polyvinyl chloride
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Investment planning	**Lining Material:**	No Lining

Comments: LineA
Recommendations:

Scale: 1:50



Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: MH16	00:00:00		
0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
0.10	DER	Settled deposits, coarse, 70% cross-sectional area loss: Sand and stone	00:00:01	GullyX_00e82c8c-6021-46d2-9	4
0.20	SA	Survey abandoned: Unable to travel	00:00:01		

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	**STR Peak**	**STR Mean**	**STR Total**	**STR Grade**	**SER No. Def**	**SER Peak**	**SER Mean**	**SER Total**	**SER Grade**
0	0.0	0.0	0.0	1.0	1	8.0	40.0	8.0	5.0

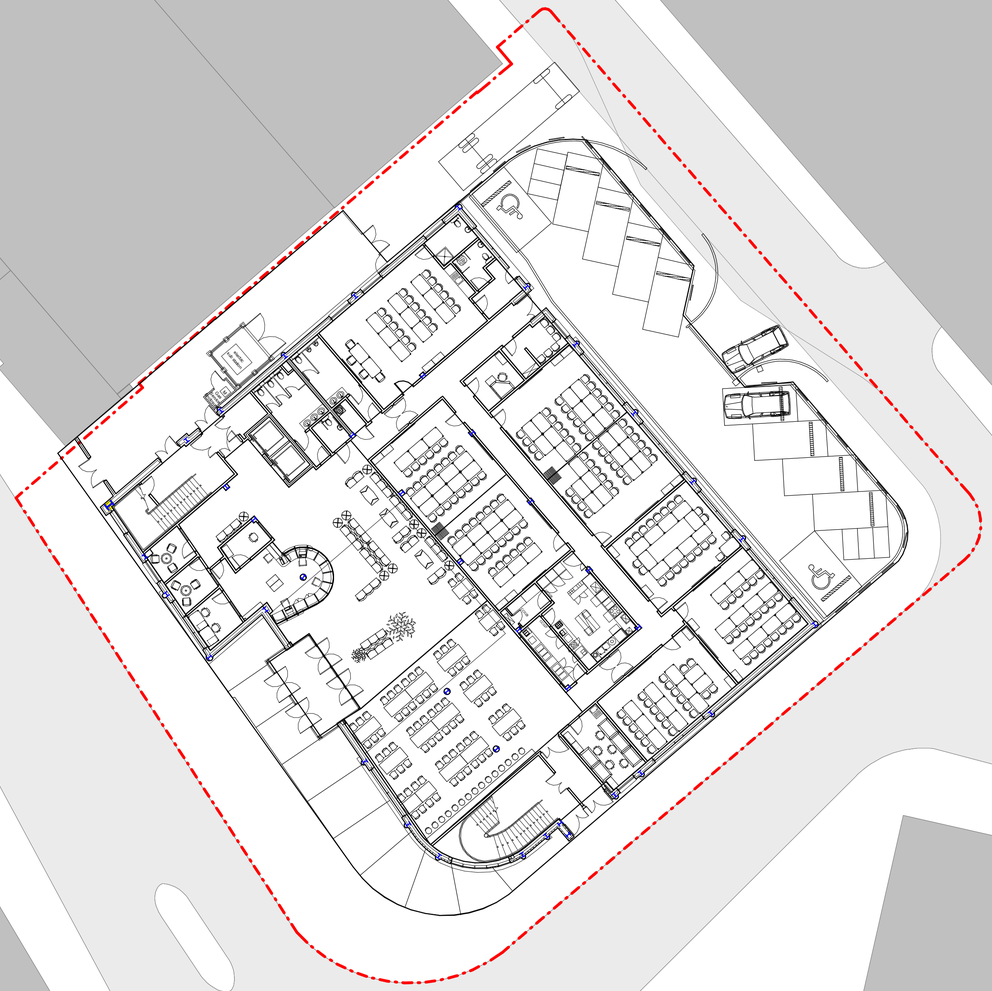
Section Pictures - 14/09/2022 - GullyX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
43	Upstream	GULLYX		



GullyX_00e82c8c-6021-46d2-9e61-8a23d61901af_20220914_110322_229.jpg, 00:00:01, 0.10 m
Settled deposits, coarse, 70% cross-sectional area loss, Sand and stone

APPENDIX C



11383-EPR-ZZ-ZZ-M3-A-Central.rvt
27/02/2023 19:15:56

Keyplan

North

N

Scale bar

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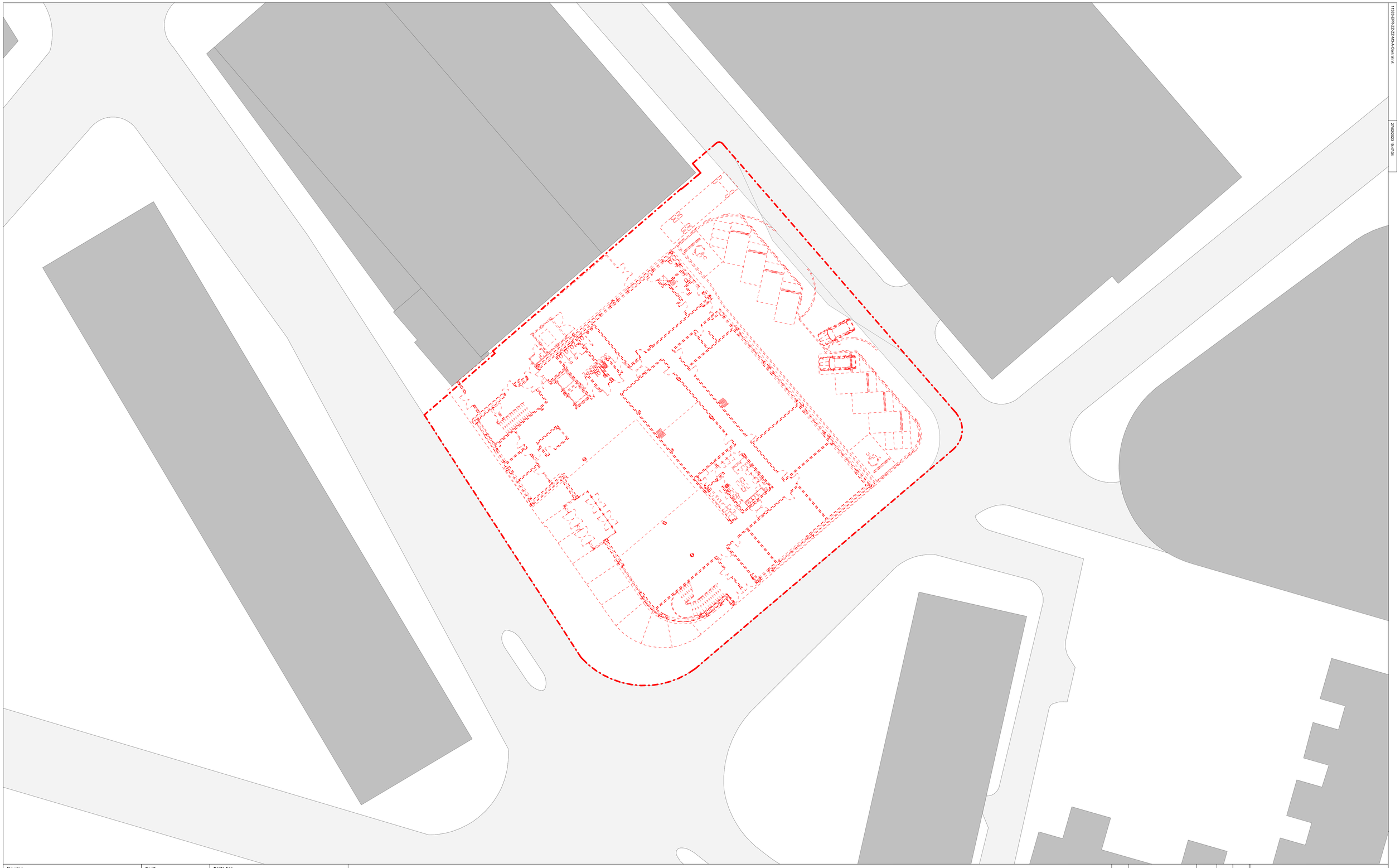
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St John's Campus
New Quay St, Manchester M3 3BE

Existing Ground Floor

Scale @A1	Status	Suitability	Revision
1 : 200	Planning	S2	-

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	GF	DR	A		02-0300



11383-EPR-ZZ-ZZ-A0-A-Gen1ar.vt

27/02/2023 19:47:34

Keyplan

North

N

Scale bar

0 2 4 6 8 10 12

SCALE 1: 200 m

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Ground Floor Demolition

Scale @A1	Status	Suitability	Revision
1 : 200	Planning	S2	-

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	GF	DR	A	02	0400



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27/02/2023 19:16:04

Keyplan

North

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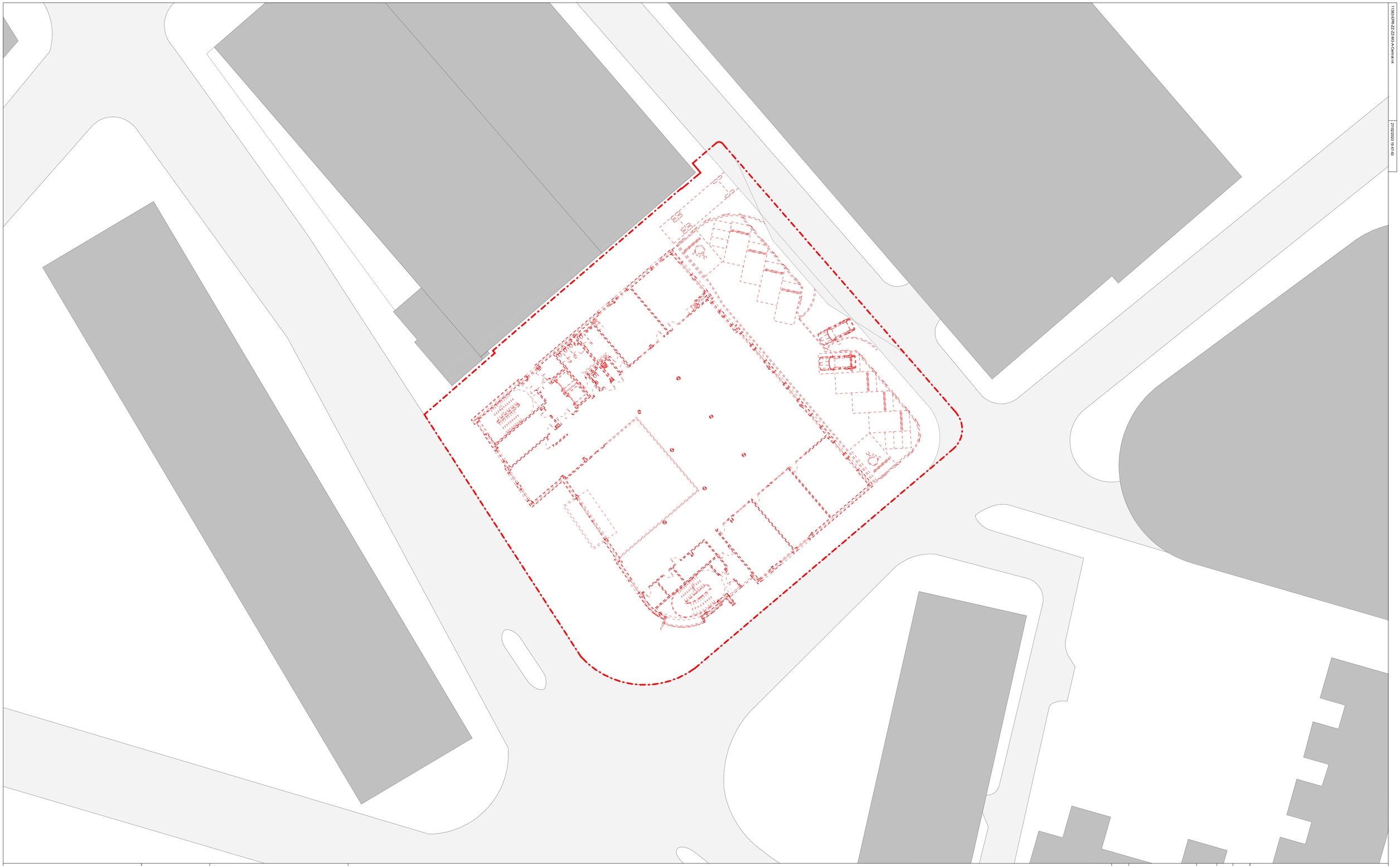
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Existing First Floor

Scale @A1	Status	Suitability	Revision
1 : 200	Planning	S2	-

Project Code	Originator	Zone	Level	Type	Role	Class. Number
11383 -	EPR -	00 -	01 -	DR -	A -	02-0301



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27/02/2023 19:47:43

Keyplan

North

N

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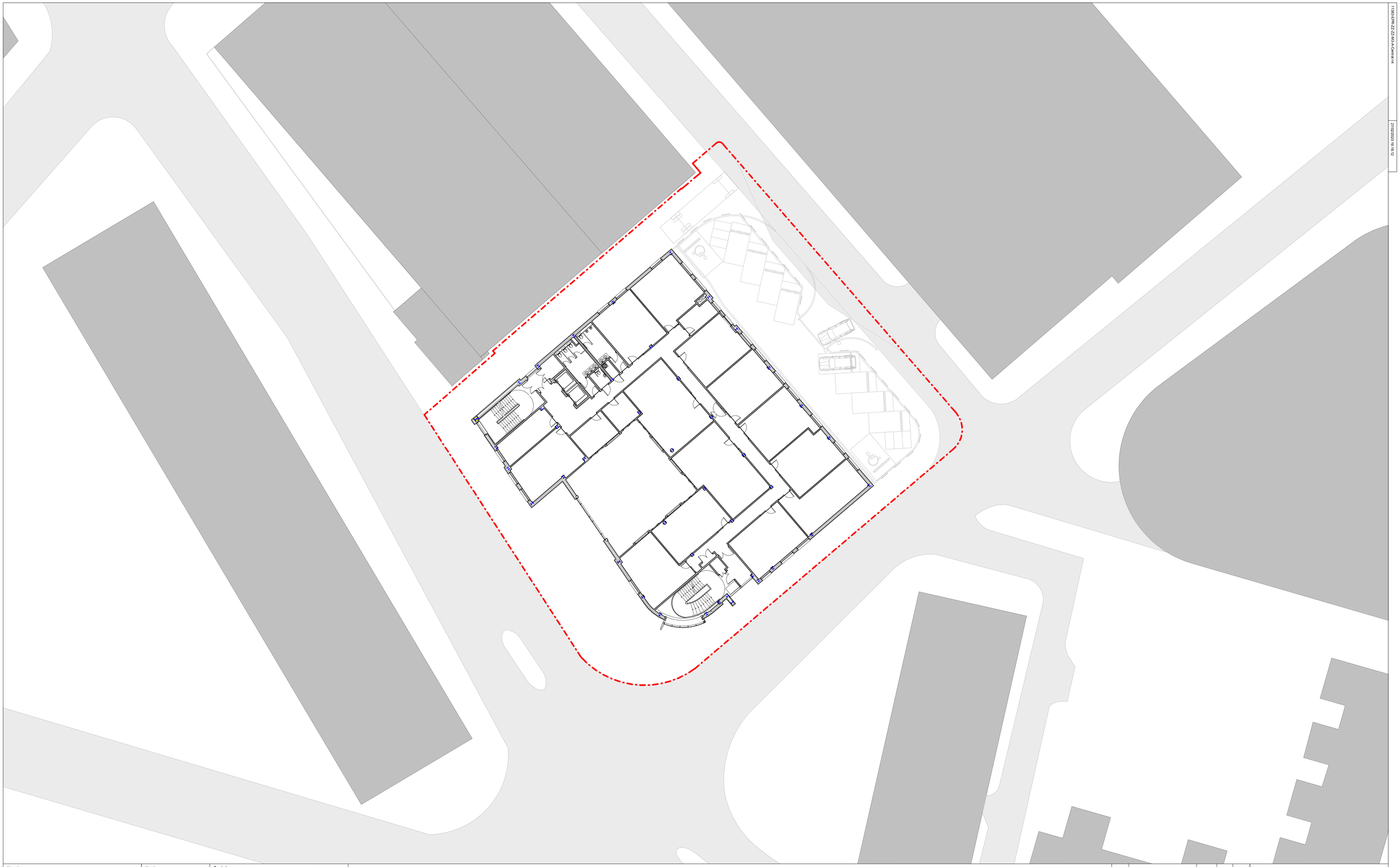
First Floor Demolition

Scale @A1	Status	Suitability	Revision
1 : 200	Preliminary	-	-

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	01	DR	A	02	0401

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27/02/2023 19:16:12



Keyplan

North

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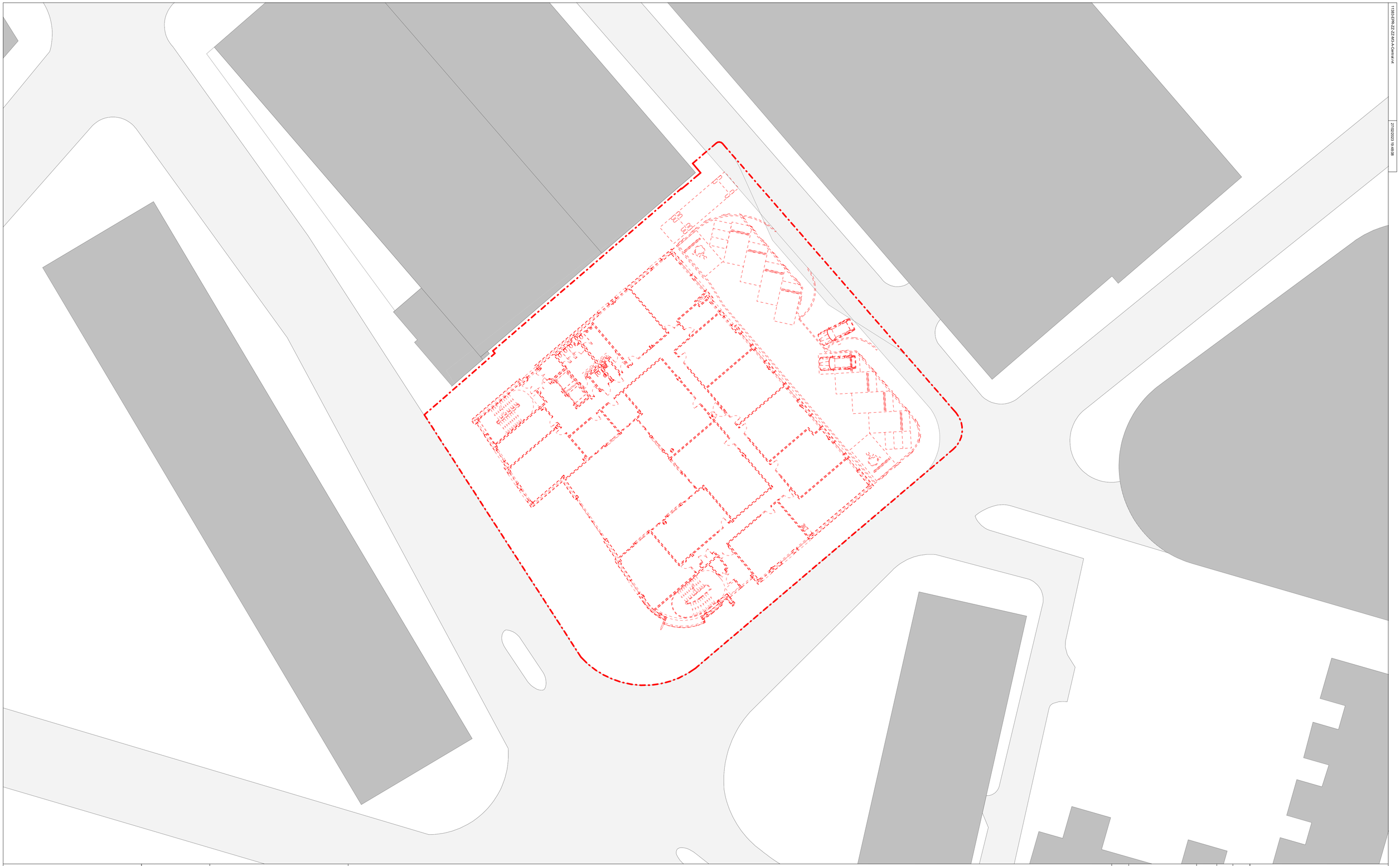
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St John's Campus
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Existing Second Floor

Scale @A1	Status	Suitability	Revision
1 : 200	Planning	S2	-

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	02	DR	A		02-0302



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27/02/2023 19:48:08

Keyplan

North

N

Scale bar

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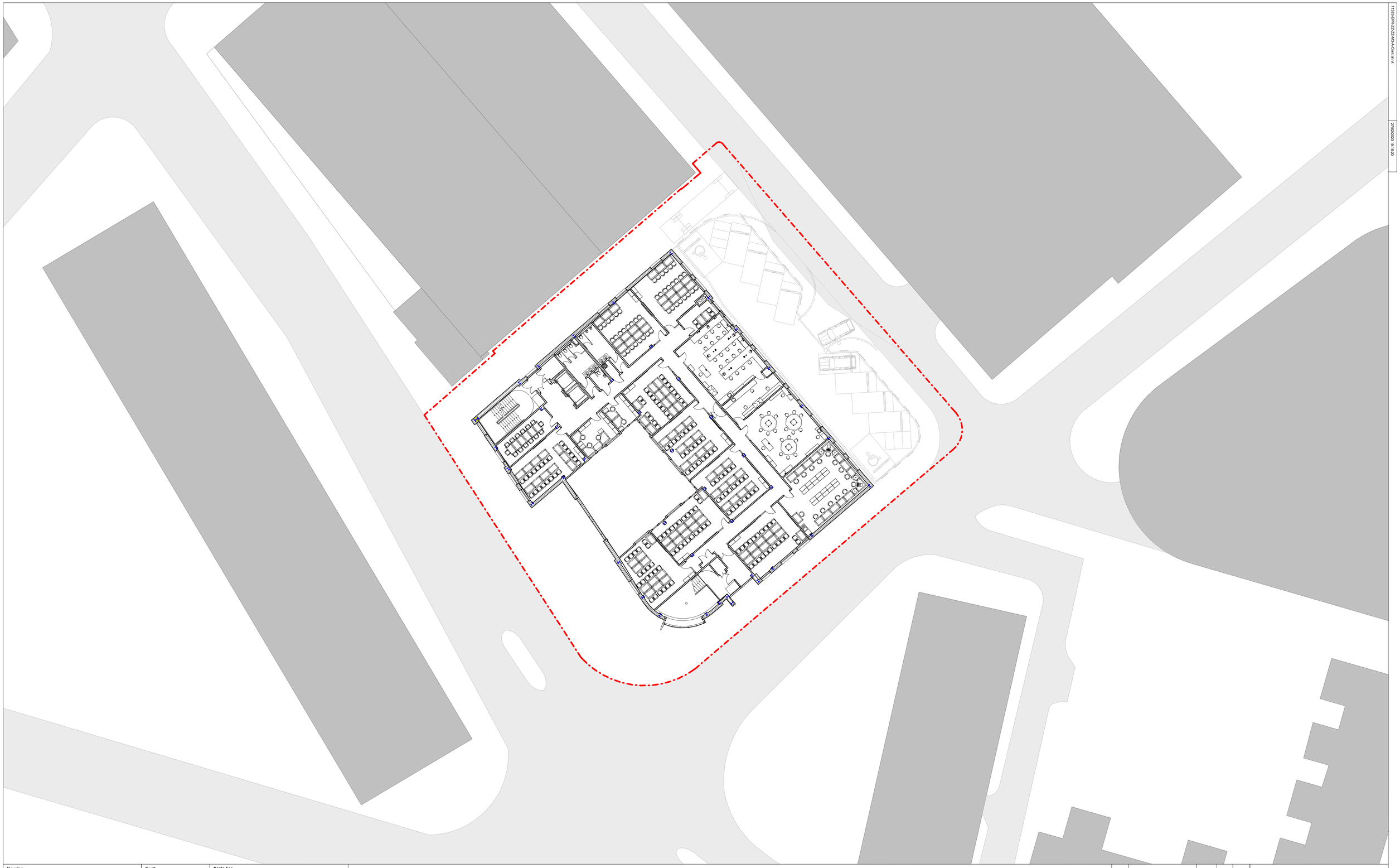
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Second Floor Demolition

Scale @A1	Status	Suitability	Revision
1 : 200	Preliminary	-	-

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	02	DR	A		02-0402



11383-EPR-ZZ-ZZ-A0-A-Gen1at.vt

27/02/2023 19:18:20

Keyplan

North

N

Scale bar

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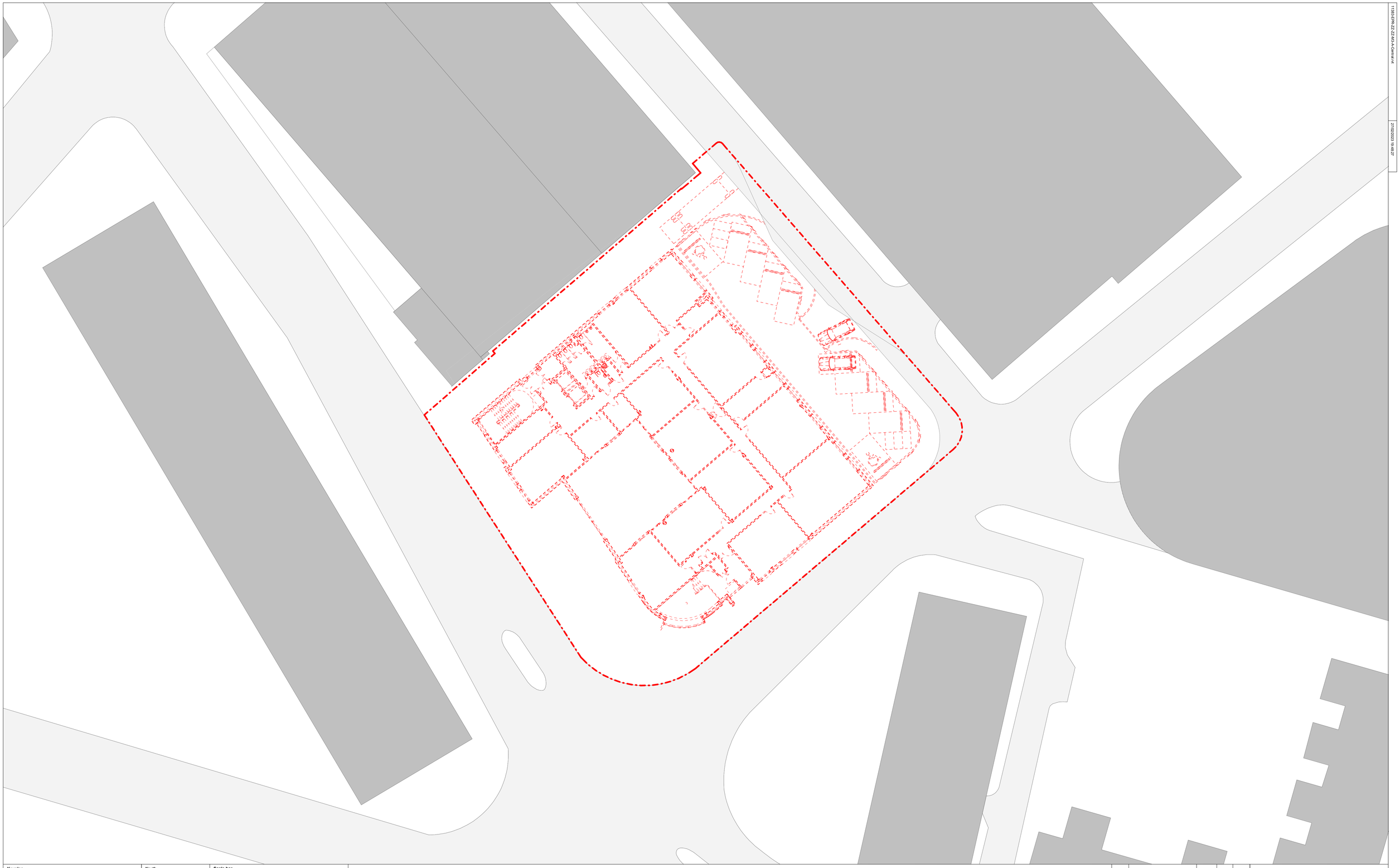
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St John's Campus
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Existing Third Floor

Scale @A1	Status	Suitability	Revision
1 : 200	Planning	S2	-

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	03	DR	A	02	0303



11383-EPR-ZZ-ZZ-A0-A-Central.rvt

27/02/2023 19:48:27

Keyplan

North

N

Scale bar

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Third Floor Demolition

Scale @A1	Status	Suitability	Revision
1 : 200	Preliminary	-	-

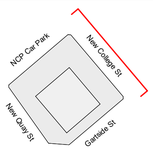
Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	03	DR	A	02	0403

11383-EPR-ZZ-ZZ-A0-A-Central.rvt

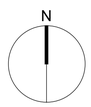
27/02/2023 19:21:14



Keyplan



North



Scale bar

0 2 4 6 8 10 12

SCALE 1: 200 m

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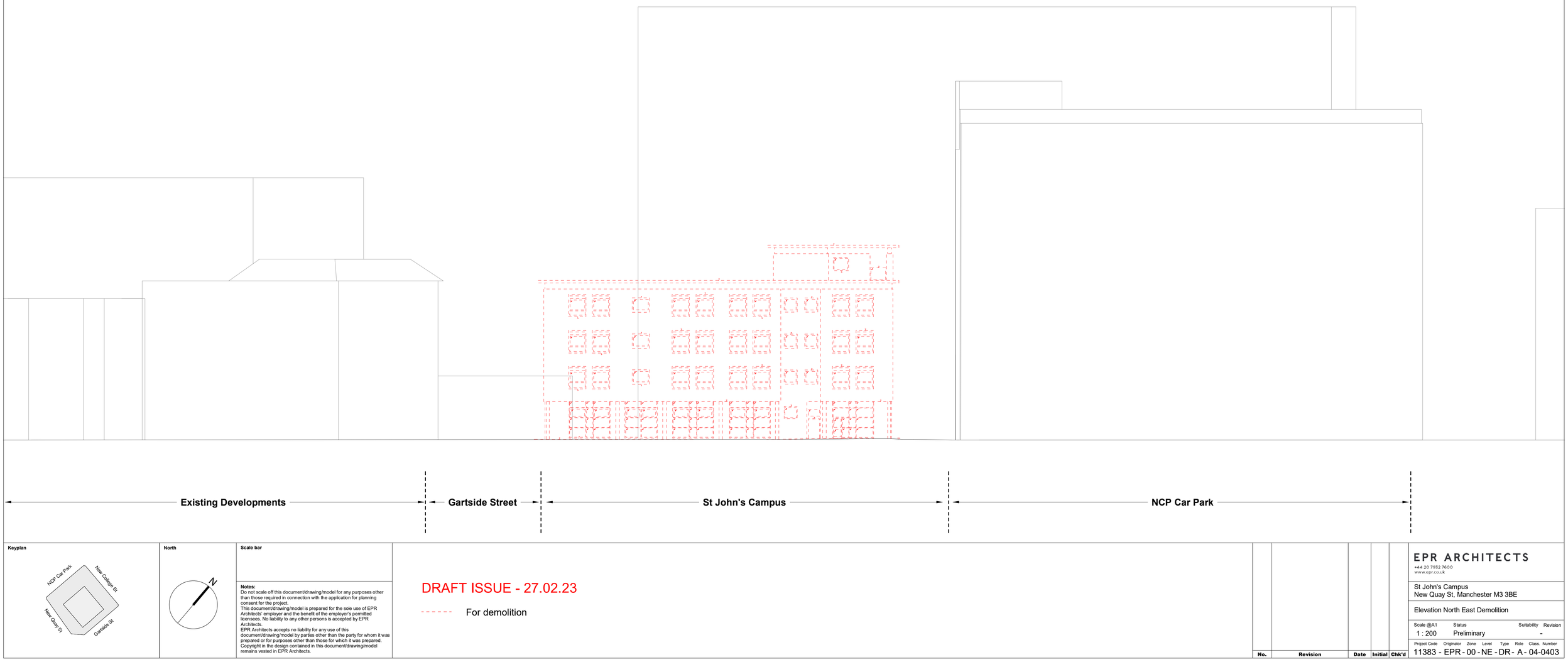
Existing Elevation North East

Scale @A1	Status	Suitability	Revision
1 : 200	Planning	S2	-

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	- 00	- NE	- DR	- A	- 04	-0303

11383-EPR-ZZ-ZZ-A0-A-Central.rvt

27/02/2023 19:56:28



Keyplan

North

Scale bar

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Elevation North East Demolition

Scale @A1	Status	Suitability	Revision
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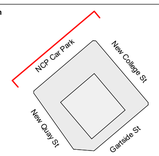
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Keyplan



North

N

Scale bar

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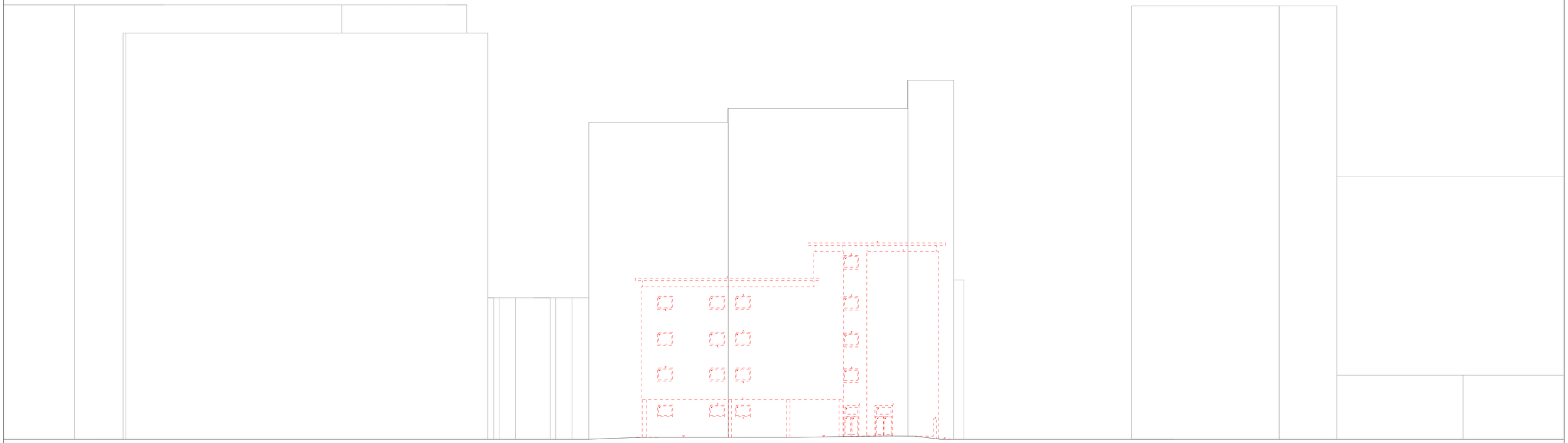
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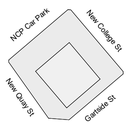
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Keyplan



North



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Elevation North West Demolition

Scale @A1	Status	Suitability	Revision
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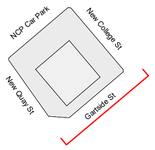
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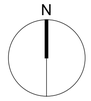


New Development | New Development | New Quay Street | St John's Campus | New College Street | Existing Development

Keyplan



North



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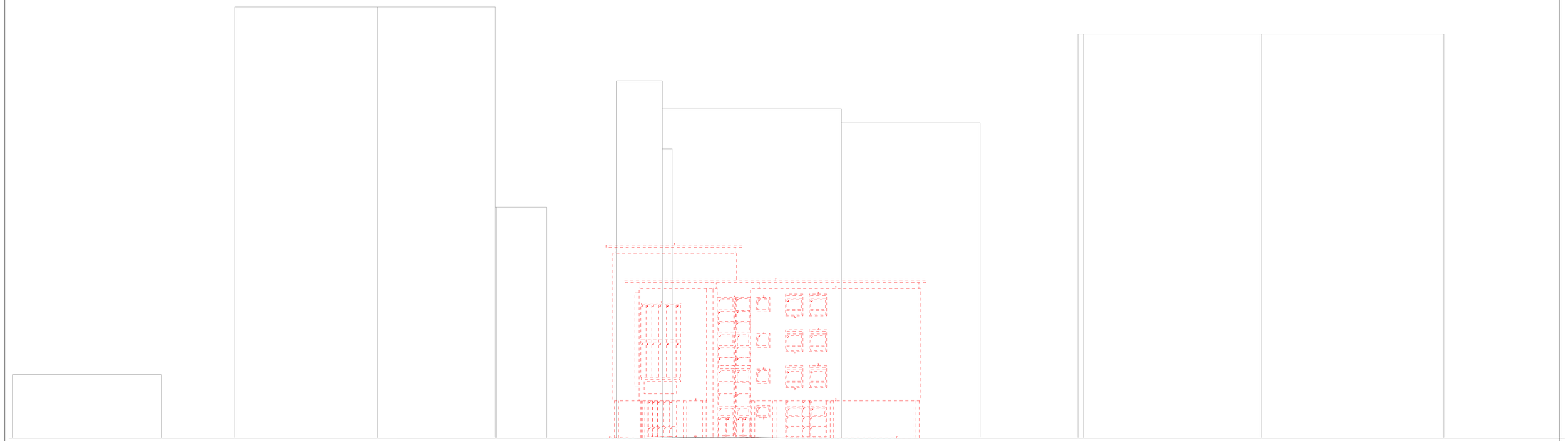
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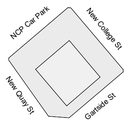
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Keyplan



North



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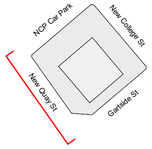
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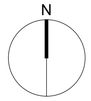
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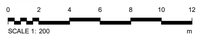
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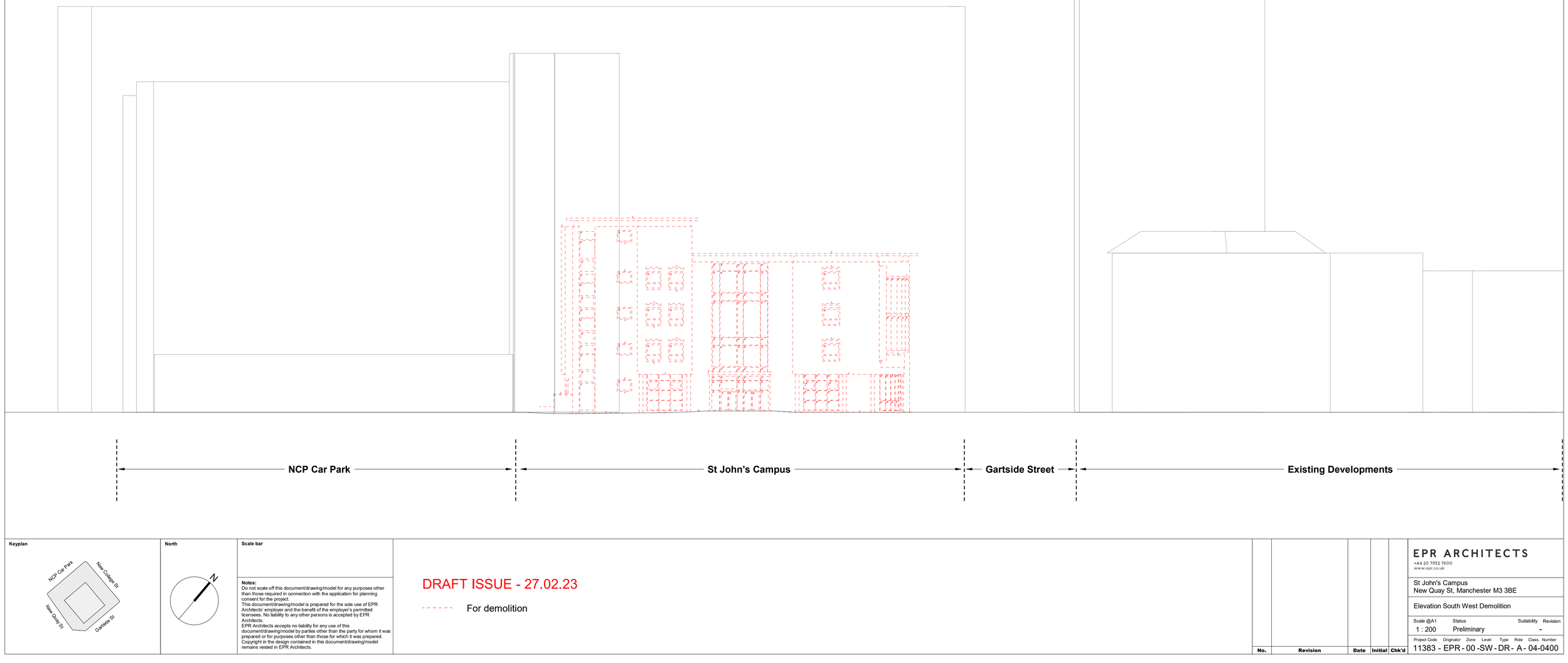
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Keyplan

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St. John's Campus, Manchester

Phase 1 Preliminary Risk Assessment

Curtins Ref: 074458-CUR-00-XX-RP-GE-001

Revision: V02

Issue Date: 14 April 2022

Client Name: Henry Boot Developments Limited

Client Address: Banner Cross Hall, Ecclesall Road South, Sheffield S11 9PD

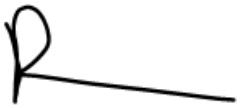
Site Address: Manchester College of Arts and Technology, Quay Street, Manchester, M3 3BE

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Rev	Description	Issued by	Checked	Date
V02	Updated to reflect change in development plans. Includes review of historical ground investigation report for site. Project ref. updated.	PN	NF	14/04/2022

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Reviewed	Signature	Date
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Authroised	Signature	Date
J James BSc GC EnvMgt Principal Engineer		19 September 2019
R Allen BSc (Hons) MSc FGS MCIWEM C.WEM CEng Principal Engineer		14 April 2022

Executive Summary

Appointment	In September 2019, Curtins were instructed by Henry Boot Developments Ltd to undertake a Phase 1 Preliminary Risk Assessment of land on the corner of Quay Street and Gartside Street, Manchester, M3 3BE. The site is centred NGR SJ 83214 98126 and covers an area of approximately 0.18Ha. In April 2022 Curtins were instructed to update this report following changes to the proposed development plans. The development proposals now comprise the construction of a 17no. storey office building with a single storey basement under the full building footprint.
Current Site Status	The site is currently occupied by Manchester College of Arts and Technology building, 4-5 storeys in height. The site is bound by Gartside St to the southeast, New Quay St to the southwest and New College St to the northeast. NCP Spinningfields is to the northwest.
Site History	The earliest historical maps (1840s) show the site located in Manchester city, occupied by terraced properties and several streets. A Portable Steam Engine Works and Timber Yard are located directly south. By the 1890s, New Quay St was constructed along the site's south-western boundary and buildings in the southern and western areas of the site have been cleared. A Public Baths was constructed in the western area by the 1920s, with the site cleared of all structures by the 1960s when it was used for car parking. All streets through the site were removed by the 1970s and a six-storey college building constructed which extended west, north and east beyond the current site boundaries. Historical building plans show an oil tank in the central northern area and an electrical substation on the western boundary. Mapping from 2006 shows the previous college building was demolished and a new college building constructed, still present today within the current site boundary.
Geology	Some Made Ground is anticipated to be present considering the sites history of redevelopment and the western area of the site having been occupied by a Public Bath. No superficial deposits are recorded on site by the BGS, with Chester Formation sandstone bedrock anticipated to underlie Made Ground deposits. Available BGS exploratory hole logs located within 50m of the site generally indicate Made Ground overlying some clay / silt / sand and gravel, with sandstone bedrock encountered approximately 5m bgl. The site is situated in a low probability radon area where <1% of homes are at or above the radon action level.
Hydrogeology	The site is underlain by a Principal Aquifer within the bedrock formation but is not located within a Source Protection Zone. There are two groundwater abstraction boreholes located within 500m of the site, located 188m northeast for non-evaporative cooling purposes.
Hydrology	The nearest surface water feature is the River Irwell located 104m northwest flowing south-westwards and with a River Quality E. There are no recorded surface water abstraction points recorded within 750m of the site. No pollution incidents have been recorded within 500m of the site within the last 10 years. There are three discharge consents within 150m of the site; all generally located 110-140m northwest of the site for surface water / storm sewerage overflow into the River Irwell.
Unexploded Ordnance Risk	The site is situated in Manchester city centre, which is identified as a **Moderate** risk area. The site is close to (100m) the River Irwell and Salford which are identified as High-risk areas for UXO. A review of the available historic mapping and Manchester bomb damage mapping suggests that areas 100m north, south and west were damaged by Luftwaffe bombing. The site was occupied throughout WWII and has undergone redevelopment on several occasions since WWII, increasing the possibility that if UXO did exist on site it would have been recorded, found or removed during previous works on site.
Initial Ground Contamination Assessment	The risk, from potential contamination in Made Ground posed to site end-users is considered to be **Moderate**/**Low** due to the site's previous developments and historical use, alongside the presence of an electrical substation on the western boundary and former oil tank in the northern area of the site from the 1970s. The risk posed to groundwater and surface water features is **Moderate** / **Low** and **Very Low** respectively, due to the lack of potable groundwater abstractions and no SPZs (groundwater risk) and distance to the nearest surface water feature (surface water risk). The risk posed to end-users from ground generating gases is considered to be **Moderate** due to the anticiatped extent of the Made Ground and the back-filled Brunswick Canal Basin located 50m south.

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Other Considerations	There may be subsurface obstructions, voids and relic foundations associated with the historic and current buildings onsite.
Recommendations	The following recommendations are made with regards to further works at the site: 1. Obtain a Detailed Unexploded Ordnance Risk Assessment report for the site; 2. Undertake an intrusive ground investigation; 3. Undertake a GQRA as part of the ground investigation; and 4. Undertake Ground Gas Monitoring. It is further recommended that the above is completed in advance of any development works taking place. If a basement is proposed in the new development, the advice of a Radon assessor must be obtained.

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Appendices

Appendix A **Drawings**

Appendix B **Envirocheck Report**

Appendix C **Qualitative Risk Assessment Rationale**

1.0 Introduction

1.1 Project Background

In September 2019, Curtins were instructed by Henry Boot Developments Ltd. to undertake a Phase 1 Preliminary Assessment of land on the corner of Quay Street and Gartside Street, Manchester, M3 3BE,

In April 2022 Curtins were instructed to update this report following minor changes to development proposals. The proposed development now comprises the construction of a 17no. storey office building with a single storey basement under the full building footprint. Selected EPR Architects Drawings are enclosed in Appendix A.

1.2 Scope of Services

The Phase 1 is intended to provide an overview of the geo-environmental and geotechnical setting of the site, prior to the proposed development which comprises construction of a commercial building with basement.

Through this overview, the Phase 1 aims to develop both a working conceptual and ground model for the site, as well as present an initial assessment of any risks that could be presented to the development including its intended end users and the wider environment.

Specifically, the Phase 1 provides an initial assessment of the site regarding:

a) Potential contamination of the site strata by historical and or current use;
b) The potential impact on the wider environment by historical and or current use of the site of interest;
c) The potential impact from surrounding land uses and other environmental factors;
d) The potential impact from unexploded ordnance associated with WWII bombing in Manchester city centre;
e) Potential problems associated with geological features such as faulting, mineral extraction, mining and land instability;
f) The location of apparent sub-surface structures that may affect the proposed redevelopment; and
g) The location of above-surface features that may affect the proposed redevelopment.

Consideration of detailed flood risk, ecology and archaeological issues are outside of the scope of this report.

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2.0 Current Site and Surrounding Area Details

2.1 Site Location and Current Details

Site use, location and description are shown below in *Table 2.1* and *Figure 2.1* on the following page.

Table 2.1 – *Site Details*

Site Address	Land at the corner of Quay Street and Gartside Street, M3 3BE.
NGR	SJ 83214 98126
Area of Site	Approximately 0.18 Ha
Current Site Use and Description	The site is currently occupied by Manchester College of Arts and Technology building, 4-5 storeys in height.

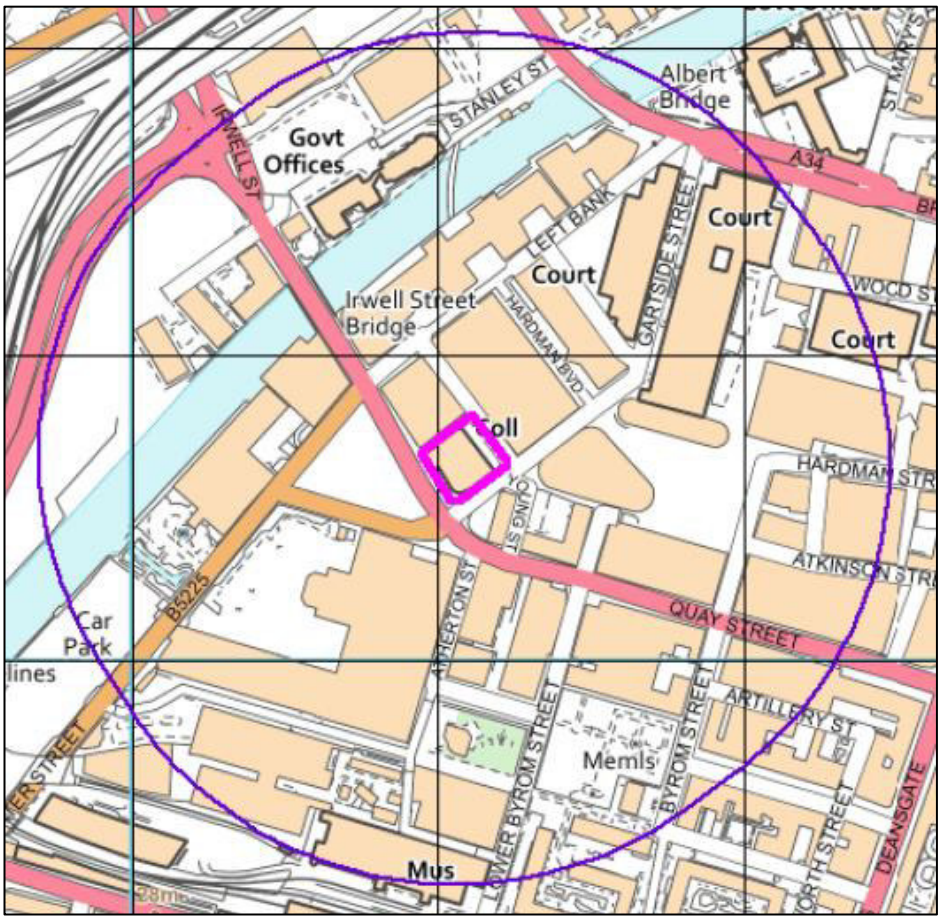


Figure 2.1 *– Site Location Plan (site boundary shown in pink and 250m buffer in purple).*

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2.2 Surrounding Area Details

The following information was also established during the site visit and through undertaking an environmental database search (Envirocheck report (Ref.1) included in *Appendix B*).

Table 2.2 – *Surrounding Land Uses*

Surrounding Area	**N**	New College Street, with commercial, retail and office premises beyond in the Spinningfields area of Manchester
	E	Gartside St, with offices and retail units beyond.
	S	The junction of New Quay Street and Gartside Street. Old Granada Studios and the commercial development beyond the junction.
	W	New Quay Street. Commercial development is being constructed beyond the road.

3.0 Site History

A review of the available historical mapping, historical building plans and other information for the site, as presented within the Envirocheck report (Ref.1), has been undertaken and is presented in *Table 3.0* below.

Table 3.0 – *Previous Site and Surrounding Area Uses and Potential Sources of Contamination*

Date	Description	Potential Sources of Contamination
1848 - 1851	**The site is developed, occupied by terraced properties and a number of streets; including Grindle St and Back Quay St across the northern and southern areas of the site. Wright St is aligned generally north-south through the western area of the site.** The site is located in Manchester City and is predominantly surrounded by terraced properties to the west, north, east and south east. Industrial land uses are predominantly located from the southern boundary and from 50m west. Directly south, across Back Quay St is a Portable Steam Engine Manufactory and large Timber Yard. The River Irwell is located 100m west, flowing southwest. Industries along the river include warehouses, woollen mills and a dye house. Other industries to the south include stable yard and manure pit, gasometer, canals, slate wharfs, coal yards and stone yards. Railway lines are located from 200m south.	• Uncontrolled deposition of Made Ground from construction of the terraced properties and streets on site and in the surrounding area. • Potential contamination from Steam Engine Manufactory and Timber Yard on the southern boundary.
1891 - 1909	**The properties on the western and southern areas of the site have been demolished. New Quay Street has been constructed, aligned as it is today along the site's southwestern boundary. Back Quay St and Grindle St remain through the northern and southern areas of the site, generally aligned east-west. Wright St through the western side of the site is no longer shown.** The terraced properties, Steam Engine Manufactory and Timber yard directly west and south of the site have also been demolished. New Quay St leads to a new bridge constructed crossing the River Irwell to the northwest, replacing the woollen mill and dye house. Brunswick Canal Basin is mapped 50m south-southwest. Industrial land use has increased from 150m south and west, with Liverpool Rd and Salford Goods Station and railway sidings to the south and Salford Goods Station to the west on the opposite side of the river.	• Uncontrolled deposition of Made Ground from demolition of buildings on site. • Uncontrolled deposition of Made Ground from demolition of buildings surrounding the site and arising from the construction of the New Quay Street along the site's south-western boundary.
1923 – 1958	**A 2 storey Public Baths has been constructed on the western side of the site, with the terraced properties located on the northern and eastern areas of the site remaining relatively unchanged. Two new buildings have been constructed on the southern area of the site, south of Back Quay Street.** **By the late 1940s, the terraced properties on the eastern side of the site and the top north-western corner have been demolished.**	• Uncontrolled deposition of Made Ground from construction of the Public Baths on site. • Uncontrolled deposition of Made Ground from demolition of terraced properties on the top northwest corner and eastern areas of the site. • Potential for ground gases to arise from the back-filled Brunswick Canal Basin 50m south

Date	Description	Potential Sources of Contamination
	The local surrounding area remains relatively unchanged, new warehouses have been constructed to the northwest, either side of New Quay Street and onto the river. A Dispensary is located 50m east. Post-WWII, redevelopment has occurred across the surrounding area. Ruins are mapped 100m north, from 200m north and 120m south. To the south, terraced properties on the opposite side of New Quay Street have been replaced with an Automobile and Elec Engineering Works. The Brunswick Canal Basin is no longer mapped 50m south. To the north, warehouses are no longer mapped along the River Irwell and terraced properties have been demolished 50m-150m north. A new Dairy has been constructed from 75m northeast, with a tank located 100m northeast. The Dispensary is now mapped as a Children's Hospital. A historical building plan dated 1957 shows a number of buildings to the north are vacant and awaiting demolition.	
1960s	**All buildings on site have been demolished, with the exception of one small building in the southern area, south of Back Quay Street. The vacant site is shown on the 1962 historical building plan as car parking.** Redevelopment of Manchester city has occurred to the north post-WWII. The area directly west of the site remains undeveloped. Granada Television Centre has been constructed to the south, over the area of the Brunswick Canal Basin.	• Uncontrolled deposition of Made Ground from demolition of terraced properties and Public Baths across the site
1971 - 2000	**St John's College of Further Education is constructed on site, with the building footprint extending west, north and east beyond the current site's boundary line. Grindle St and Back Quay St have been removed from across the site.** **The 1970 historical building plan for the college building shows an oil tank was located in the central northern area of the site. An electrical substation related to the college was located circa 5m west of the site boundary.** Redevelopment of the city continues, with the Dairy to the north-east no longer mapped and land from 70m east cleared of all previous buildings (works, warehouses and car park). To the west, a number of the railway sidings related to Salford Goods Station have been removed. By the late 1980s, the railway sidings to the south have been removed and the Former Liverpool Rd and Salford Goods Depot has been converted to the Museum of Science and Industry.	• Uncontrolled deposition of Made Ground from construction of new college building across and beyond the site. • Potential for contamination arising from oil tank in centre of college building and electrical substation on the western boundary.
2006 - Present	**The previous building has been demolished and the current Manchester College of Arts and Technology building constructed on site. New College Street and Gartside Street have been constructed along the site's north-eastern and south-eastern boundaries.**	• Uncontrolled deposition of Made Ground from demolition of the historic building and construction of new college building across and beyond the site.

Potential sources of onsite contamination are further discussed in *Section 6.0*.

4.0 Geology, Hydrogeology and Hydrology

4.1 Geology and Hydrogeology

A study of the Envirocheck records, British Geological Survey (BGS) 1:50,000 mapping records (drift and Bedrock Editions) for Manchester (Sheet 085) (Ref. 2) indicates the following geological and hydrogeological succession underlying the site:

Table 4.1 – *Geological/Hydrogeological Succession*

Geology	Associated Hydrogeological Classification
Made ground deposits are not indicated to be present, although BGS recorded borehole logs close to the site indicate a limited thickness of made ground is present around the site.	N/A
Superficial soils are not reported although borehole logs, summarised in *Table 4.2* indicate the presence of a limited thickness of superficial soils.	N/A
Chester Formation[1]	Principal Aquifer[2]

Notes:

1. *Conglomerates and reddish brown, cross-bedded, pebbly sandstones with subordinate beds of red-brown mudstone. The conglomerates have a reddish brown sandy matrix and consist mainly of pebbles of brown or purple quartzite, with quartz conglomerate and vein quartz. The formation generally fines upwards, from dominantly conglomerates at the base, to interbedded conglomerates and sandstones, with sandstone and pebbly sandstone predominant in the upper part, and rare mudstones. The formation has subordinate lenticular beds of reddish brown mudstone or siltstone throughout; these are more common in Cumbria.*
2. *Layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer.*

A fault is mapped approximately 50m northeast of the proposed development site, orientated approximately northwest to southeast. The Chester Formation is mapped on the west and east of the fault. Two other faults, of similar alignment, are mapped within 1km of the site, to the northeast.

There are seven BGS recorded borehole logs available (Ref. 3) located within 50m of the site, these are detailed within *Table 4.2* below:

Table 4.2 – *BGS Borehole Records*

Record Reference	Location (NGR)	Details (thickness of strata / details / bottom of strata)	
SJ89NW85	Crossroads of New Quay St. and Back Quay St. 9m west (383182, 398140)	1.22m 2.44m 3.51m 5.18m ***5.18m bgl***	Filling (1.22m bgl) Yellow CLAY (1.22m bgl) Gravel and clay (1.07m bgl) Gravel and sand (1.68m bgl) ***Borehole terminated***
SJ89NE3794	25m northwest (383190 398170)	1.10m 0.50m 1.00m 0.50m 1.00m	Fill – ash over soft clay (1.10m bgl) Fill – clayey sand brick (1.60m bgl) Stony brown sand (Fill?) (2.60m bgl) Compact dark brown SAND (3.10m bgl) Loose wet GRAVELLY SAND (4.10m bgl)

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Record Reference	Location (NGR)	Details (thickness of strata / details / bottom of strata)	
		1.00m 0.40m ***5.50m bgl***	Brown SAND with shaley coal pieces (5.10m bgl) Compact red/brown sand (weather sandstone?) (5.50m bgl) ***Borehole terminated***
SJ89NE3793	25m northwest (383180 398170)	0.60m 0.50m 0.50m 0.50m 0.05m ***2.15m bgl***	Fill – brick, ash (0.60m bgl) Fill – soft sandy clay with brick (1.10m bgl) (poor sample) Fill – clayey sand and brick (1.60m bgl) Fill – sand and stone (2.10m bgl) Fill – stone, sand and brick (2.15m bgl) ***Borehole terminated***
SJ89NE3792	35m northwest (383180 398180)	1.10m 0.50m 0.50m 0.50m 0.50m 1.00m 0.40m ***4.50m bgl***	Fill – ash brick, soil (1.10m bgl) Fill – ash, clay, brick (1.60m bgl) Fill – clay, brick, stone (2.10m bgl) Soft brown clayey stony SILT (2.60m bgl) Red / brown SAND (3.10m bgl) Coarse brown compact SAND (4.10m bgl) Stiff light brown silty SAND over red SAND (weathered sandstone?) (4.50m bgl) ***Borehole terminated***
SJ89NW86	Cross roads of Water St and New Quay St 45m northwest (383164, 398184)	1.52m 1.22m 0.31m 1.83m ***4.88m bgl***	Tarmacadam (1.52m bgl) Filling (2.74m bgl) Sandy loam (3.05m bgl) Red sand rock (4.88m bgl) ***Borehole terminated***
SJ89NW84	Corner of Quay St and Atherton St 40m south-southeast (383220, 398074)	0.91m 1.83m 2.74m ***5.49m bgl***	Filling (0.91m bgl) Sand (2.74m bgl) Red sandstone (5.49m bgl) ***Borehole terminated***
SJ89NW3743	Lower Hardman St 55m northeast (383270, 398160)	0.50m 0.50m 0.70m 2.25m 0.85m 0.45m ***5.25m bgl***	Tarmac, setts and ashes (0.50m bgl) Brown clay and sand Fill (1.00m bgl) Brown / grey sandy CLAY (1.70m bgl) Yellow / brown SAND and GRAVEL (3.95m bgl) Very compact clay bound SAND and GRAVEL (4.80m bgl) Soft laminated CLAY and SILT (5.25m bgl) ***Borehole terminated***

A number of the BGS exploratory hole logs record bedrock at approximately 5m below ground level (bgl).

The site is not situated within a Source Protection Zone (SPZ).

The nearest groundwater abstraction point is located 188m northeast at Gartside St, where two boreholes are used at Manchester Court for non-evaporative cooling.

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4.1.1 Mining

The Coal Authority Interactive Mapping (Ref. 4) confirms that while the site is located within a coal mining area, the nearest mine entries, coal outcrops and probable shallow coal mine workings are located over 3km northeast of the site. Consequently, shallow coal mine workings are not considered to pose a risk to the proposed development.

There are no BGS recorded mineral site within 1km of the site.

4.1.2 Other Ground Stability Issues

The Envirocheck Report confirms that there is a no hazard to low risk from the following ground stability hazards on and around the site; collapsible ground, compressible ground, ground dissolution, landslide ground, running sands and shrinking or swelling clay.

4.1.3 Ground Gas

There are two historic landfills within 1km of the site, with the closest recorded 430m southwest on Wilburn St Salford, no further information has been supplied regarding type of waste or date of closure.

There is potential for ground gas from the back-filled Brunswick Canal Basin located from 50m south.

The BGS Radon Mapping (Ref. 5) confirms the site is situated in a Lower probability radon area where <1% of homes are at or above the radon action level. On this basis, no radon protection measures are necessary in the construction of new dwellings or extensions.

If the new development incorporates a basement, the advice of a specialist Radon assessor must be obtained.

4.2 Hydrology

The nearest surface water feature is the River Irwell, located 104m northwest flowing generally southwest. This has a River Quality E.

No pollution events have been recorded within 500m of the site in the last 10 years.

There are three discharge consents within 150m of the site, all generally located 110-140m northwest of the site for surface water / storm sewerage overflow into the River Irwell.

There are no surface water abstractions recorded within 750m of the site.

5.0 Unexploded Ordnance Risk Assessment

Military activities including those conducted as part of both the First and Second World Wars have resulted in a legacy of unexploded ordnance (UXO) being present within the shallow soils of the UK.

UXO result from various sources including both allied (military training) and German (bombing raids) with a guide figure of approximately 10% of all munitions failing to function as designed.

The likelihood of UXO being encountered on a development site is influenced by several factors including; the proximity to strategic targets, the nature of the development works being undertaken and evidence of local damage in the post-war periods amongst others. To determine the likelihood of UXO being present on a site, a step-wise risk assessment process is followed. This process is outlined within CIRIA C681 Unexploded Ordnance: A Guide for the Construction Industry (Ref.6) with the following commentary considered to represent a Preliminary Risk Assessment intended to guide if and where there is a requirement for a Detailed Risk Assessment.

5.1 Preliminary UXO Assessment

The site is Manchester city centre, in close proximity to the River Irwell and Salford Quays which were Luftwaffe targets. Risk mapping (Ref.7) for UXO's has placed the site in a Moderate risk area, with the River Irwell and Salford to the west a High-risk area.

Moderate-risk regions are those that show a bomb density of between 11 and 50 bombs per 1000 acres and that may contain potential WWII targets.

A review of the available post-WWII historic mapping (Ref. 1) shows no ruins on site, but ruins were mapped 100m north, from 200m north and 120m south. Areas west and north of the proposed development site are cleared of all structures in post-war mapping.

A review of available bomb damage mapping for Manchester city centre (Ref.8) gives an indication of the neighbouring buildings which did sustain bomb damage. *Figure 5.1* shows an extract of this map, with the site boundary imposed.

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Figure 5.1 *– WWII Bomb Damage Mapping*
(site boundary shown in red. Red circles for fire bombs; blue circles for high explosives; pink shading for damaged buildings; red shading for demolished buildings).

The site was occupied by the Public Baths, terraced properties and streets during the post-WWII. Furthermore, the site has undergone periods of redevelopment during the late 1940s, 1960s, 1970s and by 2006 when the current site layout was established. This occupancy of the site area during the war period and phases of redevelopment increase the possibility that if UXO did exist on site it would have been recorded, found or removed during previous works on site.

However, unexploded ordnance was found on an adjacent development site in recent years.

Based on the forgoing commentary, the likelihood of encountering UXO on site as part of the ground investigation or development works is considered to be **Moderate** and it is recommended that a Detailed Unexploded Ordnance Risk Assessment report is obtained from a specialist consultant for the site prior to any intrusive works taking place on site.

If unexploded ordnance is discovered, stop immediately, prevent access to the area, and inform the police. If the site boundary or location changes then the UXO risk should be reassessed.

6.0 Existing Reports

One previous report has been available for review. This is:

- Shepherd Gilmour Environment Limited (1999) Ground Investigation of Land at Manchester College of Art and Technology, Gartside Street, Manchester. Report ref. ME163(a)/GAM/CH/F803 (Ref. 9).

6.1 Shepherd Gilmour Report ME163(a)/GAM/CH/F803

6.1.1 Summary of Works Undertaken

Between 26th – 28th October 1999, the following works were undertaken:

- 2No. Cable Percussive boreholes including in-situ testing;
- 4No. Window sample boreholes including in-situ testing;
- 4No. Dynamic probe holes;
- Selected soil samples were selected for chemical and geotechnical analysis; and
- Four rounds of ground gas monitoring.

6.1.2 Ground Conditions

Made ground was encountered in all exploratory holes to a maximum depth of 3.70m bgl. Made ground was typically encountered as brick, ash, concrete and sandstone gravel with varying quantities of sand and clay.

Topsoil was encountered in one exploratory hole location, as loose natural topsoil with frequent rootlets from ground level to 0.75m bgl.

Superficial deposits, indicative of glaciofluvial sand and gravels, were encountered in three exploratory hole locations as loose to medium dense slightly silty clay sands and/or gravels at 0.75m to 3.70m depth bgl of between 0.20m and 1.65m thickness.

Deposits indicative of the Chester Formation were identified in all exploratory hole locations at 1.60m to 3.90m depth bgl. The deposit was recovered as dense to very dense orange-brown occasionally silty fine to medium sands with sandstone gravel.

No groundwater was encountered during the site investigation.

6.1.3 Ground Contamination

No olfactory and visual signs of contamination were observed during the site investigation.

4No. soil samples were analysed for the following screening:

- Toxic and phytotoxic metals and metalloids;

- Dichloromethane Extractable Matter;
- Total phenols;
- Total cyanide;
- Total sulphate; and
- pH value.

One soil sample was analysed for total petroleum hydrocarbons (TPH) and one sample was submitted for the 'Environment Agency leach test'.

Soil chemical analysis results were compared against 'Public Open Space' and 'Landscaped areas, building, hardcover'.

For inorganic and organic contaminants, all values were recorded below the relevant guideline values.

6.1.4 Ground Contamination

Four ground gas monitoring visits were conducted between 1st November and 26th November 1999.

Methane concentrations remained below the limit of detection of the instrument. Concentrations of carbon dioxide ranged from <0.1% v/v to 0.3% v/v.

Flow ranged between 0.2mb and 0.31mb.

The results were not accessed in accordance with BS8485 criteria however these results would correspond with a CS-1 classification therefore requiring no gas protection measures.

7.0 Conceptual Site Model & Qualitative Risk Assessment

The conceptual site model (CSM) and Qualitative Risk Assessment (QRA) are presented in the table within this section. A diagrammatic CSM is contained within *Appendix A*.

The CSM details the source-pathway-receptor linkages or potential pollutant linkages (PPL) that have been identified for the site. The QRA details the associated level of risk relating to these potential pollutant linkages.

The CSM and QRA concern risk to human health and water environment with additional, more specific risk assessment protocols contained within the main body of this reporting, as detailed in *Section 6.1* below.

The QRA follows the framework outlined within CIRIA C552 (Ref. 10) which is summarised within *Appendix C.*

The 'risk rating' within the QRA refers to the risk that the source, pathway, receptor linkage or PPL is complete. Unless specifically stated it does not necessarily refer to an immediate risk and is intended to be used as a tool to assess the necessity for further assessment/investigation.

7.1 Additional Risk Assessments

The following risk assessments, listed below, are not included within the main CSM and QRA but nonetheless can be of critical importance to the onward development of the site:

- The risk presented by Mining is discussed and assessed in *Section 4.1.1*.
- The risk presented by Radon is discussed and assessed in *Section 4.1.3*.
- The risk presented by Unexploded Ordnance is discussed and assessed in *Section 5.0*.

Under current health and safety legislation, employers are required to carry out their own appropriate risk assessments and mitigation to protect themselves and their employees, other human receptors and the environment from potential contamination. Such risks must be adequately mitigated by law, specifically the Construction Design Management (CDM) Regulations, 2015 (Ref. 11) which require that potential risks to human health and the environment from construction activities are appropriately identified and all necessary steps taken to eliminate / manage that risk. It has been assumed that any future construction works on site will be undertaken in compliance with these requirements and therefore construction workers involved in the building works at the site have been discounted as a human receptor in the conceptual site model.



- The table below represents the first stage in the land quality risk assessment process: The Qualitative Risk Assessment.
- For a development site to be deemed 'suitable for use', the level of risk needs to be brought down to acceptable levels, i.e. low to very low risk. The purpose of each stage of risk assessment is ultimately to establish, if there is a requirement for additional levels of assessment to be made to have sufficient confidence to support a risk characterisation or management decision, e.g. remedial action.
- In the absence of specific site data, a Generic Quantitative Risk Assessment is invariably recommended.

Conceptual Site Model			Qualitative Risk Assessment			Recommended Actions
Source	**Pathway(s)**	**Receptor(s)**	**Consequence**	**Likelihood of Occurrence**	**Risk Rating**	
Significant on-site sources of contamination: • Made Ground of unknown composition from uncontrolled deposition of construction / demolition material onsite associated with the historic roadways, terraced properties, Public Baths, car parking and college buildings. • Potential for contamination arising from former oil tank in central northern area and electrical substation on the western boundary from the 1970s college building. **Significant off-site sources of contamination:** • Potential contamination associated with Made Ground of unknown composition from the construction of residential and commercial properties and associated infrastructure offsite. • Potential contamination associated with the portable steam engine manufactory and timber yard directly south of the site until 1890s.	**Direct contact, ingestion, inhalation (dust and vapours)**	**End-user of site**	**Medium** Chronic health risk	**Low** Due to on-going periods of construction and demolition prior the 1840s and the presence of an electrical substation and former oil tank on or close to the site, it is considered there is a likelihood of encountering contamination within Made Ground deposits. No elevated concentrations were encountered during the Shepherd Gilmour 1999 investigation however there have been significant industry changes since then.	**Moderate/ Low**	**Generic Quantitative Risk Assessment** Recommended as part of the ground investigation.
	Vertical migration through the superficial deposits (soils)	**Controlled Waters** (groundwater) Principal Aquifer (bedrock) Not within a designated Source Protection Zone. Two boreholes abstracting groundwater 188m northeast for non-evaporative cooling processes.	**Medium** Pollution of sensitive water resources	**Low Likelihood** Taking into account the historical industrial land use of the surrounding area and due to the lack of potable water abstractions and SPZ; there is limited source-pathway-receptor linkage potential. The risk is therefore considered Low.	**Moderate / Low**	
	Horizontal migration over and through the superficial deposits (soils)	**Controlled Waters** (surface water) Nearest surface water course is River Irwell, approximately 104m northwest flowing southwest with River Quality E. No surface water abstraction points within 750m.	**Mild** Pollution of low sensitivity water resources	**Unlikely** Considering the distance from the site to the nearest surface water receptor and lack of historic heavy industries on site, this pathway is considered unlikely.	**Very Low**	No further action required.
Significant sources of ground gas: • Potential ground gas generation from Made Ground deposits containing organic / putrescible content. • Potential ground gas generation from back-filled Brunswick Canal Basin located from 50m south, back-filled with unknown materials. • The site is situated in an low probability radon area where <1% of homes are at or above the radon action level.	**Vertical and horizontal migration through existing service corridors and the underlying superficial deposits**	**End-user of site**	**Medium** Human health risk	**Likely** Considering the potential extent of the Made Ground deposits at the site due to historic periods of construction and demolition, and the presence of the Public Baths 1920s-1960s; the potential for ground gas generation is considered likely. UK Radon confirms the site is in a low radon-affected area	**Moderate**	**Generic Quantitative Risk Assessment** Ground gas monitoring recommended as part of the ground investigation. No radon protection measures will be required. If a basement is proposed, the advice of a Radon assessor must be obtained.

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8.0 Conclusion and Recommendations

The qualitative risk assessment (QRA) determined a varied level of level of risk associated with the proposed development.

The QRA concluded by recommending that generic quantitative risk assessments (GQRA) were conducted to confirm the assessment of risk ascribed to each of the respective potential pollutant linkages (PPLs). It is recommended that the GQRA is conducted as part of a ground investigation in support of the engineering design of the proposed development.

In summary, the following recommendations are made:

- Obtain a Detailed Unexploded Ordnance Risk Assessment report for the site;
- Undertake an intrusive ground investigation;
- Undertake a GQRA as part of the ground investigation; and
- Undertake ground gas monitoring.

It is further recommended that the site investigation works are completed in advance of any development works taking place.

8.1 Contaminants of Concern

Potential contaminants of concern associated with the sources identified within the Conceptual Site Model in *Section 6.0* of this reporting include but are not limited to: broad range aliphatic and aromatic hydrocarbons present within any fuel oils; polycyclic aromatic hydrocarbons (PAHs); inorganic compounds including heavy metals; polychlorinated bi-phenols (PCBs) and asbestos present in discarded building materials.

Potential contaminants associated with the airborne dust/particulates include but are not limited to: polycyclic aromatic hydrocarbons and inorganic compounds including toxic metals that are also accounted for by potential onsite contaminants of concern.

8.2 Other Considerations

There may be subsurface obstructions, voids and relic foundations associated with the historic and current buildings onsite.

The requirement for additional surveys, e.g. arboricultural and ecological surveys, should be confirmed through advice from a suitably qualified and experienced professional.

9.0 References

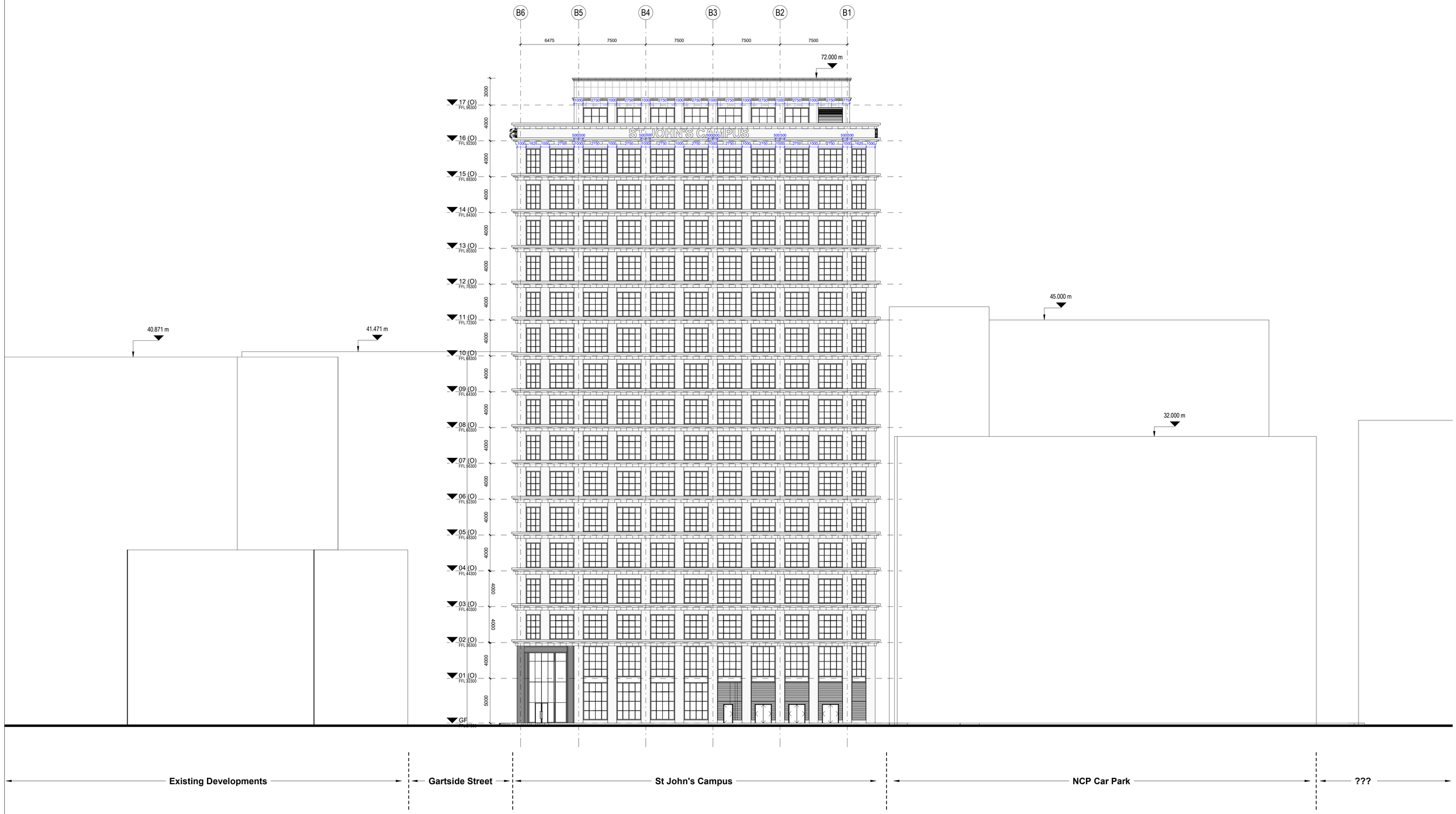
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9. Shepherd Gilmour (1999) Ground Investigation of land at Manchester College of Art and Technology, report ref. ME163(a)/GAM/CH/F803
10. CIRIA (2001) Contaminated Land Risk Assessment. A guide to good practice (report no. C552).
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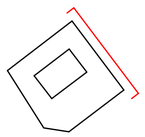
Appendix A Drawings

- EPR Architects Development Plans
- Curtins (2019) Diagrammatic Conceptual Site Model (ref. 073971-CUR-00-XX-DR-GE-001-V01).

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Keyplan



North

N

Scale bar

0 2 4 6 8 10 12

SCALE 1: 200 m

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All areas are subject to planning, design development, ROL and daylight/sunlight assessment.

Stage 2 Base Design WIP: 11.03.2022

No.	Revision	Date	Initial	Chk'd
P01	Preliminary Issue	11.03.22	JAJ	DS

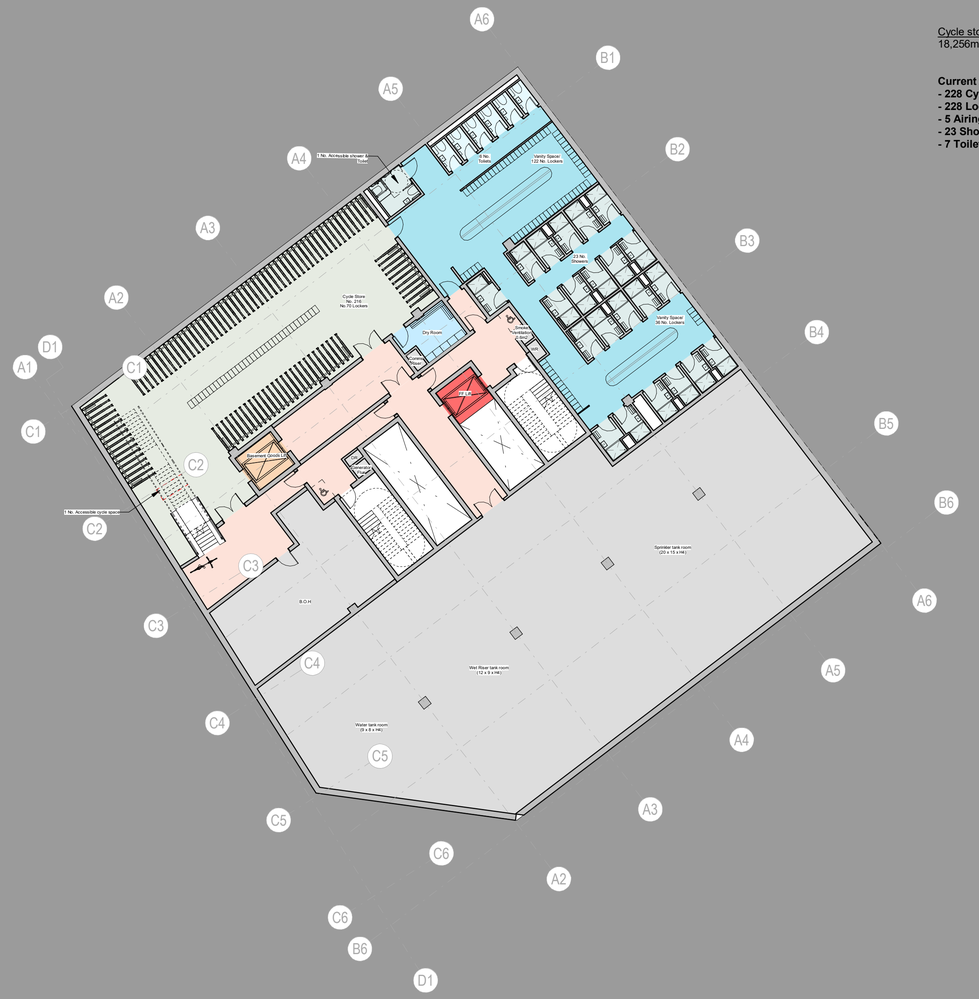
EPR Architects
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www.epr.co.uk

St John's Campus
Quay St, Manchester M3 3BE

Elevation North East

Scale @A1	Status	Suitability	Revision
1 : 200	Preliminary	-	P01

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	NE	DR	A	04	0104



Cycle storage
18,256m² / 8 = 2282 employees, 2275 / 100 = 22.8, 22.7 x 10 = 228

Current design Achieves -
- 228 Cycle stores (215 Two tier cycle racks + 12 Bromton lockers + 1 Accessible cycle space)
- 228 Lockers
- 5 Airing Stations
- 23 Showers - 1 x Accessible
- 7 Toilets - 1 x Accessible

Keyplan

North

N

Scale bar

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Stage 2 Base Design WIP:
11.03.2022

No.	Revision	Date	Initial	Chk'd
P01	Preliminary Issue	11.03.22	JAJ	DS

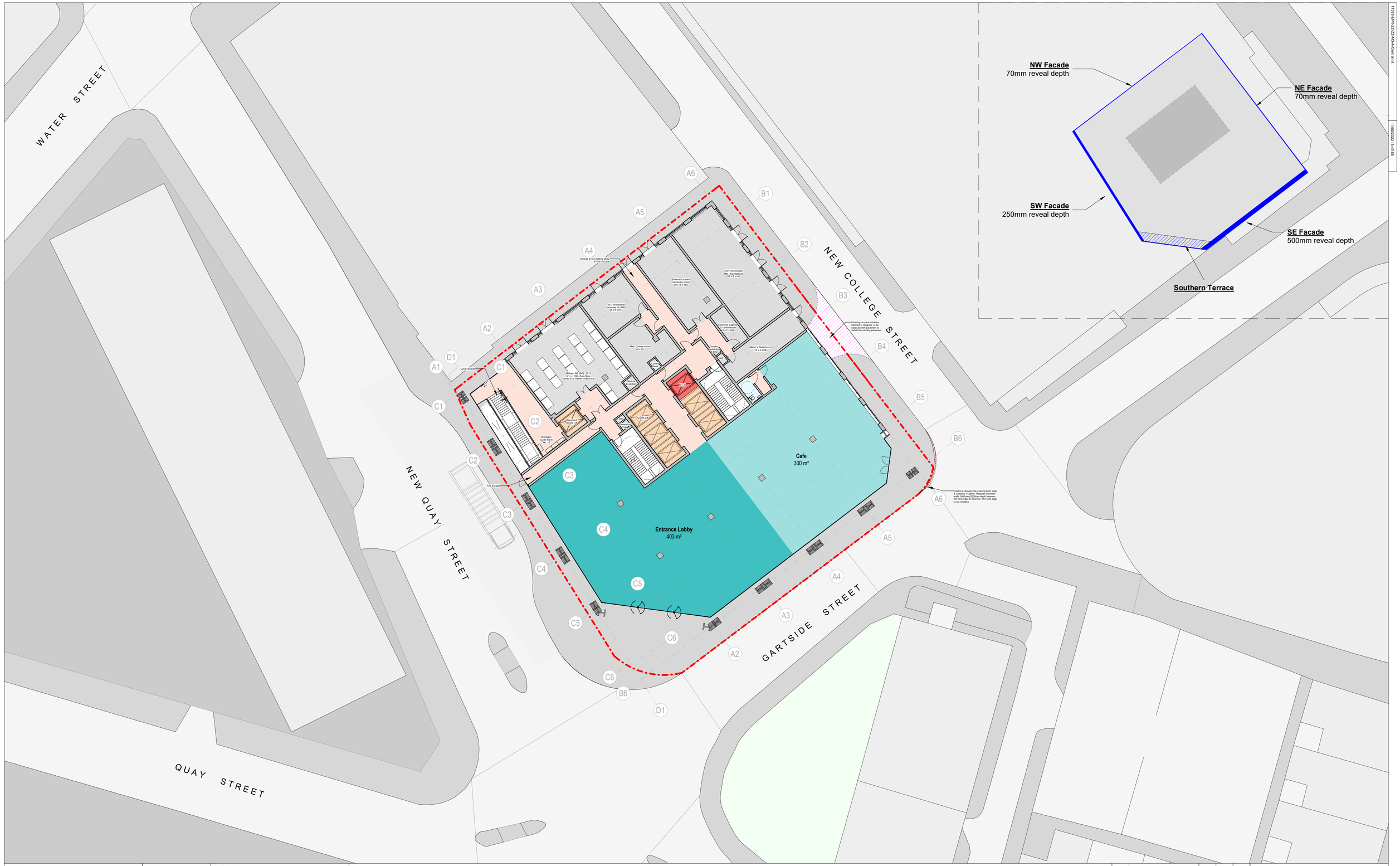
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St John's Campus
Quay St, Manchester M3 3BE

Proposed Basement Floor

Scale @A1	Status	Suitability	Revision
1 : 200	Draft	-	**P01**

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	B1	DR	A	02	0099



Keyplan

North

N

Scale bar

0 2 4 6 8 10 12

SCALE 1: 200 m

Notes:
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NOTE:
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All areas are subject to planning, design development, ROL and daylight/sunlight assessment.

Stage 2 Base Design WIP:
11.03.2022

No.	Revision	Date	Initial	Chk'd
P01	Preliminary Issue	11.03.22	JAJ	DS

EPR Architects
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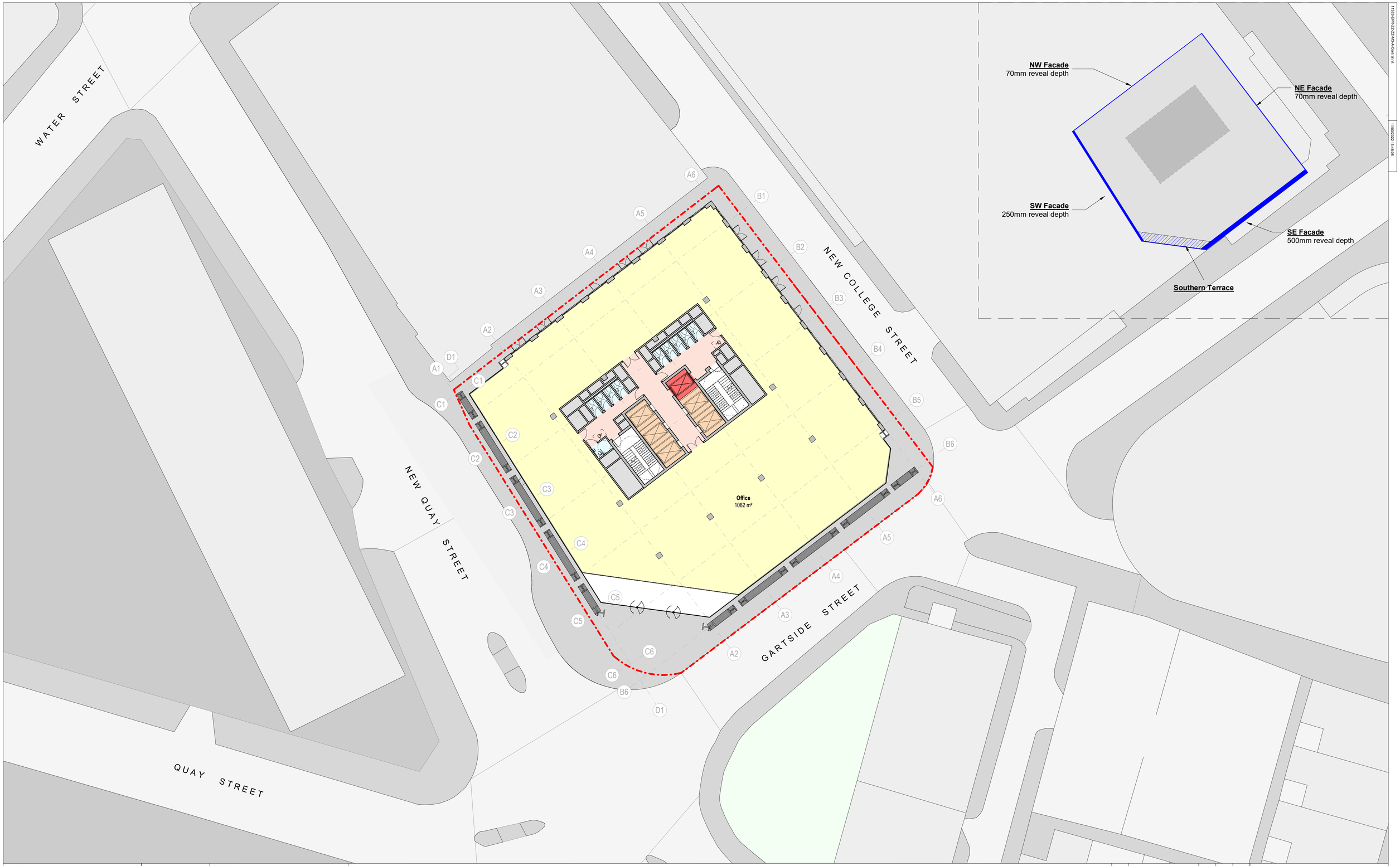
St John's Campus
Quay St, Manchester M3 3BE

Proposed Ground Floor

Scale @A1	Status	Suitability	Revision
1 : 200	Preliminary	-	P01

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	GF	DR	A	02	0100

11383-EPR-ZZ-ZZ-A0-A-Central.rvt
11/03/2022 13:47:55



11383-EPR-ZZ-ZZ-M3-A-Central.rvt

11/03/2022 13:48:05

Keyplan

North

N

Scale bar

0 2 4 6 8 10 12 m

SCALE 1: 200

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Stage 2 Base Design WIP:
11.03.2022

No.	Revision	Date	Initial	Chk'd
P01	Preliminary Issue	11.03.22	JAJ	DS

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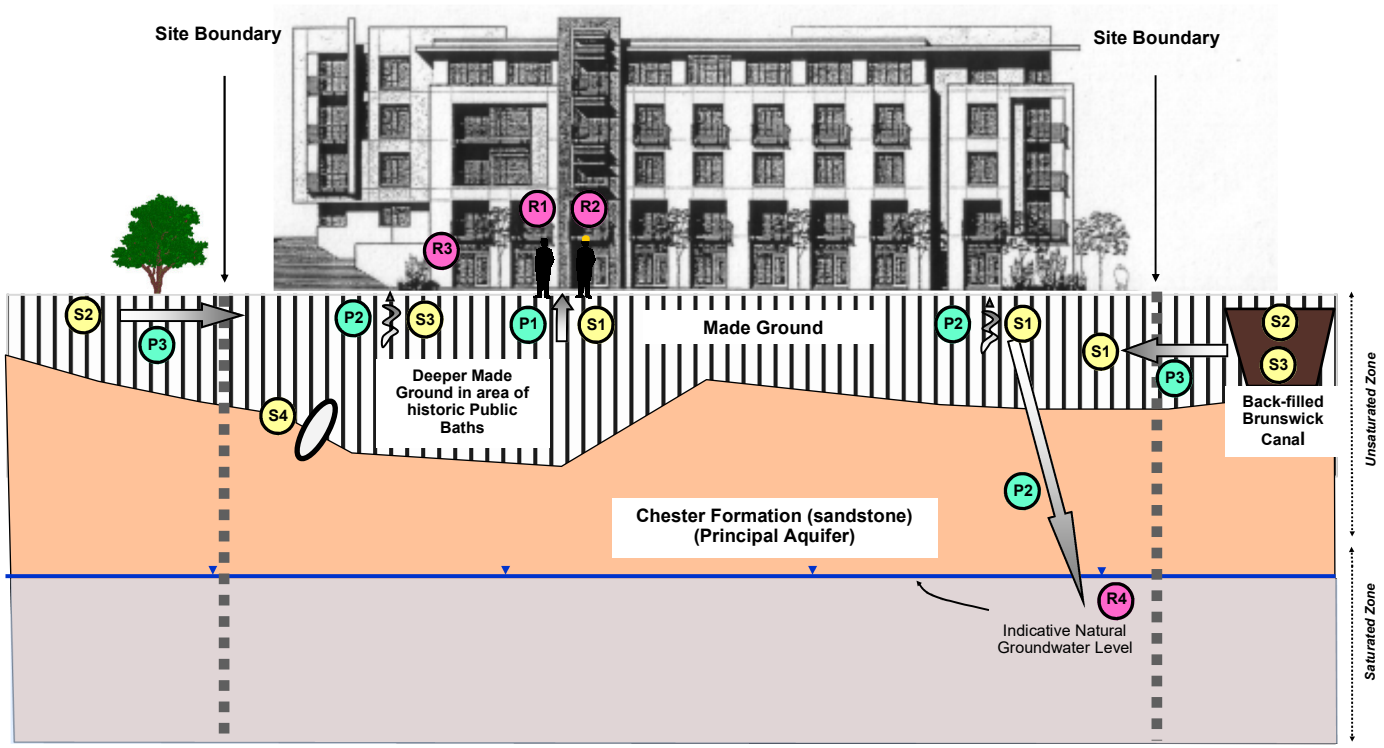
St John's Campus
Quay St, Manchester M3 3BE

Proposed First Floor

Scale @A1	Status	Suitability	Revision
1 : 200	Preliminary	-	P01

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
11383	EPR	00	01	DR	A	02	0101

St John's Campus, Manchester



Sources

- S1 Made Ground (onsite)
- S2 Made Ground (offsite)
- S3 Ground Gas Sources
- S4 Unexploded Ordnance

Pathways

- P1 Direct contact, ingestion and or inhalation
- P2 Vertical migration
- P3 Horizontal migration

Receptors

- R1 End-users
- R2 Construction workers
- R3 Construction materials
- R4 Groundwater

Not to scale

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Merchant Exchange
17-19 Whitworth Street West
Manchester, M1 5WG
Tel: 0161 236 2394

Project	Job Reference	Author	Client
St John's Campus, Manchester	073971.000	SH	Henry Boot Developments Limited
Drawing Title	**Date**	**Checked**	**Drawing Number**
Diagrammatic Conceptual Site Model	10/09/2019	JJ	073971-CUR-00-XX-DR-GE-001-V01

Appendix B Envirocheck Report

- Envirocheck Report (Ref. 217261437_1_1)

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
217261437_1_1

Customer Reference:
B073971

National Grid Reference:
383220, 398130

Slice:
A

Site Area (Ha):
0.18

Search Buffer (m):
1000

Site Details:

Manchester College of Arts & Technology
St. Johns Centre
2, New Quay Street
Manchester
M3 3BE

Client Details:

Mr M Holroyd
Curtins Consulting Ltd
Beetham Court
51-55 Tithebarn Street
Liverpool
L2 2SB

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	50
Hazardous Substances	-
Geological	56
Industrial Land Use	62
Sensitive Land Use	112
Data Currency	113
Data Suppliers	120
Useful Contacts	121

Introduction

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

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Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		16	8	51
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 21		1		
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 21			1	20
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 24		Yes		
Pollution Incidents to Controlled Waters	pg 24			1	18
Prosecutions Relating to Authorised Processes	pg 28				1
Registered Radioactive Substances	pg 28			1	
River Quality	pg 28		1		5
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 29				1
Substantiated Pollution Incident Register	pg 29				1
Water Abstractions	pg 30		2		6 (*35)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 40	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 40	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 40	Yes	n/a	n/a	n/a
Source Protection Zones	pg 41				1
Extreme Flooding from Rivers or Sea without Defences	pg 41		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 41		Yes	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 41		3	16	54

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 50			1	1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 50				4
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 51				2
Potentially Infilled Land (Water)	pg 51			8	24
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 53			2	2
Registered Waste Treatment or Disposal Sites	pg 55			1	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					

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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 56	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 56	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 57				1
BGS Urban Soil Chemistry	pg 58		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 60	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 60	Yes	n/a	n/a	n/a
Mining Instability			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 60	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 60		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 60	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 61	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 61		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 62		10	81	291
Fuel Station Entries	pg 94				5
Points of Interest - Commercial Services	pg 95			14	53
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 100		3	5	85
Points of Interest - Public Infrastructure	pg 108			5	25
Points of Interest - Recreational and Environmental	pg 111			1	3
Gas Pipelines					
Underground Electrical Cables					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 112				2
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	0	1	383200 398132
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SE)	0	1	383217 398132
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	25	1	383250 398100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	75	1	383150 398200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	90	1	383217 398250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	91	1	383100 398150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	93	1	383200 398250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	94	1	383250 398250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	111	1	383100 398200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	139	1	383050 398132
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	140	1	383217 398300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	158	1	383400 398100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	193	1	383000 398100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	205	1	383300 398350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	220	1	383450 398050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	229	1	383350 398350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	248	1	383000 398300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	250	1	383150 398400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	254	1	382950 398050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	255	1	383050 398350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	272	1	383350 398400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	289	1	382900 398132

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	A13NW (W)	290	1	382900 398150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	297	1	382900 398200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	311	1	383500 397950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	315	1	383100 398450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	319	1	382900 398000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	331	1	383450 398400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	340	1	383217 398500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	341	1	383200 398500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	378	1	383600 398000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	381	1	383550 397900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	387	1	382850 397950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	391	1	383250 398550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	409	1	383450 398500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	423	1	382800 398300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	443	1	383650 397950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	455	1	382800 397900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	472	1	383550 398500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	495	1	383450 398600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	496	1	383300 398650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water St/New Quay St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 01MAN0172 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 20th March 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	110	2	383120 398220
2	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water St/New Quay St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016993831 Permit Version: 1 Effective Date: 21st March 2006 Issued Date: 21st March 2006 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: The River Irwell **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13NW (W)	115	2	383080 398170
3	**Discharge Consents** Operator: Fearnley Developments Ltd Property Type: CONSTRUCTION OF BUILDINGS Location: Fearnley Developments Ltd, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991429 Permit Version: 1 Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	137	2	383140 398270
4	**Discharge Consents** Operator: Fearnley Developments Ltd Property Type: CONSTRUCTION OF BUILDINGS Location: Fearnley Developments Ltd, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991429 Permit Version: 1 Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A13NW (N)	156	2	383180 398310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: The Lord Chancellor Property Type: Undefined Or Other Location: Manchester Civil Justice Centre, Gartside Street, Manchester, M3 3el Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016993601 Permit Version: 2 Effective Date: 1st January 2007 Issued Date: 26th April 2006 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	209	2	383310 398350
5	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water St/Bridge St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016993550 Permit Version: 1 Effective Date: 12th April 2006 Issued Date: 12th April 2006 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: The River Irwell **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	223	2	383320 398360
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water St/Bridge St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 01MAN0174 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 11th April 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	223	2	383320 398360
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bridge Street Cso 4 Bridge Street, ., ., Manchester, M3 3er Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982898 Permit Version: 3 Effective Date: 14th November 1995 Issued Date: Not Supplied Revocation Date: 31st March 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	227	2	383330 398360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bridge Street Cso 4 Bridge Street, ., ., Manchester, M3 3er Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982898 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: River Irwell **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	227	2	383330 398360
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bridge Street Cso 4 Bridge Street, ., ., Manchester, M3 3er Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982898 Permit Version: 2 Effective Date: 11th May 1995 Issued Date: Not Supplied Revocation Date: 13th November 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	227	2	383330 398360
5	**Discharge Consents** Operator: Bovis Lend Lease Limited Property Type: Trade (Unknown/Other) Location: Manchester Civil Justice Centre, Gartside Street, Manchester, M3 3el Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016993601 Permit Version: 1 Effective Date: 1st January 2007 Issued Date: 5th October 2004 Revocation Date: 25th April 2006 Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	229	2	383350 398350
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Bridge Street Cso 4 Bridge Street, ., ., Manchester, M3 3er Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982898 Permit Version: 4 Effective Date: 1st April 2018 Issued Date: 19th March 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	242	2	383340 398371

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Grape Street Cso Grape Street, ., Manchester, Greater Manchester, M60 9ea Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0170 Permit Version: 4 Effective Date: 1st April 2018 Issued Date: 19th March 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A13SW (W)	214	2	382986 398069
7	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Grape Street Cso Grape Street, ., Manchester, Greater Manchester, M60 9ea Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0170 Permit Version: 3 Effective Date: 11th January 2017 Issued Date: 11th January 2017 Revocation Date: 31st March 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Approximate location provided by supplier	A13SW (SW)	232	2	383000 398000
7	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Grape Street Cso Grape Street, ., Manchester, Greater Manchester, M60 9ea Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0170 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 10th January 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Approximate location provided by supplier	A13SW (SW)	232	2	383000 398000
7	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Grape Street Cso Grape Street, ., Manchester, Greater Manchester, M60 9ea Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0170 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 Irwell **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	232	2	383000 398000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water Street Cso, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982993 Permit Version: 1 Effective Date: 23rd June 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A13SW (W)	261	2	382950 398030
9	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water St/Liverpool Rd Cso, St George'S, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016993597 Permit Version: 2 Effective Date: 31st August 2014 Issued Date: 24th March 2014 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	422	2	382836 397905
9	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water St/Liverpool Rd Cso, St George'S, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016993597 Permit Version: 1 Effective Date: 5th October 2004 Issued Date: 5th October 2004 Revocation Date: 30th August 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	443	2	382820 397890
9	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water St/Liverpool Rd Cso, St George'S, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0169 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th October 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	443	2	382820 397890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Rice St Near Castle St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0171 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: Canal Receiving Water: Bridgewater Canal **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A8NW (S)	424	2	383120 397690
11	**Discharge Consents** Operator: Rmc Roadstone Ltd - North West Property Type: MAKING OF GLASS/CERAMICS/CEMENT/CUTTING STONE Location: Ready Mixed Concrete Depot, Liverpool Road, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990275 Permit Version: 1 Effective Date: 10th March 1977 Issued Date: Not Supplied Revocation Date: 31st August 1989 Discharge Type: Trade Discharge - Process Water Discharge Environment: Canal Receiving Water: Bridgewater Canal **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	429	2	383000 397730
11	**Discharge Consents** Operator: Charles Topham (Developments) Ltd Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Topham Res Development Swo, Liverpool Road/Potato Wharf, Castlefield, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991276 Permit Version: 1 Effective Date: 18th May 1988 Issued Date: Not Supplied Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Canal Receiving Water: Bridgewater Canal **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A8NW (SW)	455	2	383000 397700
12	**Discharge Consents** Operator: Acroy Ltd Property Type: Undefined Or Other Location: Chapel Wharf, Dearmans Place, Salford, Manchester, M3 5lh Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016993796 Permit Version: 1 Effective Date: 22nd June 2005 Issued Date: 22nd June 2005 Revocation Date: 10th June 2008 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: Via Ditch To River Irwell **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	474	2	383530 398520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Hampton St/Ordsall Lane, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01SAL0183 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A12SE (W)	522	2	382680 398020
14	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Booth Street Cso, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982902 Permit Version: 3 Effective Date: 14th November 1995 Issued Date: Not Supplied Revocation Date: 3rd December 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	572	2	383610 398580
14	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Booth Street Cso, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982902 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: River Irwell **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	572	2	383610 398580
14	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Booth Street Cso, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982902 Permit Version: 2 Effective Date: 11th May 1995 Issued Date: Not Supplied Revocation Date: 13th November 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	572	2	383610 398580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Discharge Consents** Operator: Hanson Quarry Products Europe Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Potato Wharf, Off Liverpool Rd, Manchester, Greater Manchester, M3 4la Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0175/5 Permit Version: 1 Effective Date: 20th January 1975 Issued Date: Not Supplied Revocation Date: 31st March 1991 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Crowton Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A8NE (S)	611	2	383300 397500
15	**Discharge Consents** Operator: Hanson Quarry Products Europe Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Potato Wharf, Off Liverpool Rd, Manchester, Greater Manchester, M3 4la Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0175/5 Permit Version: 2 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Crowton Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A8NE (S)	611	2	383300 397500
15	**Discharge Consents** Operator: Hanson Quarry Products Europe Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Potato Wharf, Off Liverpool Rd, Manchester, Greater Manchester, M3 4la Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0175/5 Permit Version: 3 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 30th June 1995 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Crowton Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A8NE (S)	611	2	383300 397500
15	**Discharge Consents** Operator: Hanson Quarry Products Europe Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Potato Wharf, Off Liverpool Rd, Manchester, Greater Manchester, M3 4la Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0175/5 Permit Version: 4 Effective Date: 1st July 1995 Issued Date: Not Supplied Revocation Date: 8th March 2016 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Crowton Brook **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A8NE (S)	611	2	383300 397500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Blackfriars Street Cso 283j1 1541 Blackfriars Street, ., ., Manchester, M1 1ph Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0156 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 Irwell **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	628	2	383680 398590
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Blackfriars Street Cso 283j1 1541 Blackfriars Street, ., ., Manchester, M1 1ph Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0156 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 Irwell **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	628	2	383680 398590
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Blackfriars Street Cso 283j1 1541 Blackfriars Street, ., ., Manchester, M1 1ph Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0156 Permit Version: 4 Effective Date: 25th June 2018 Issued Date: 25th June 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	641	2	383686 398603
16	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Blackfriars Street Cso 283j1 1541 Blackfriars Street, ., ., Manchester, M1 1ph Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0156 Permit Version: 3 Effective Date: 5th February 2016 Issued Date: 5th February 2016 Revocation Date: 24th June 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	641	2	383686 398603

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Discharge Consents** Operator: Hanson Quarry Products Europe Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Potato Wharf, Off Liverpool Rd, Manchester, Greater Manchester, M3 4la Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0175/5 Permit Version: 1 Effective Date: 20th January 1975 Issued Date: Not Supplied Revocation Date: 31st March 1991 Discharge Type: Trade Discharge - Process Water Discharge Environment: Freshwater Stream/River Receiving Water: Crowton Brook **Status: Authorisation revoked** Positional Accuracy: Manually corrected supplier location	A7NE (SW)	650	2	382800 397600
17	**Discharge Consents** Operator: Hanson Quarry Products Europe Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Potato Wharf, Off Liverpool Rd, Manchester, Greater Manchester, M3 4la Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0175/5 Permit Version: 4 Effective Date: 1st July 1995 Issued Date: Not Supplied Revocation Date: 8th March 2016 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Crowton Brook **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	650	2	382800 397600
17	**Discharge Consents** Operator: Hanson Quarry Products Europe Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Potato Wharf, Off Liverpool Rd, Manchester, Greater Manchester, M3 4la Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 0175/5 Permit Version: 3 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 30th June 1995 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Crowton Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	650	2	382800 397600
17	**Discharge Consents** Operator: Hanson Quarry Products Europe Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Potato Wharf, Off Liverpool Rd, Manchester, Greater Manchester, M3 4la Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0175/5 Permit Version: 2 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Crowton Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	650	2	382800 397600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Discharge Consents** Operator: J Sainsbury Plc Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: J Sainsbury Plc Swo Regent Road, End Of Ordsall Alne, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991422 Permit Version: 1 Effective Date: 1st November 1994 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	657	2	382630 397790
19	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Deansgate, L. Peter St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0157 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 18th July 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Tunnel To Medlock **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A8SE (S)	673	2	383370 397450
19	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Deansgate, L. Peter St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0157 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Into And/Or Watercourse Receiving Water: Tunnel To Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A8SE (S)	673	2	383370 397450
19	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Chester Rd At Owen St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0276 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st December 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A8SE (S)	690	2	383360 397430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Chester Rd At Owen St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982719 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 30th November 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually corrected supplier location	A8SE (S)	690	2	383360 397430
19	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Chester Rd At Owen St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982719 Permit Version: 2 Effective Date: 1st December 1999 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A8SE (S)	695	2	383360 397425
20	**Discharge Consents** Operator: British Telecommunications Public Limited Company Property Type: OFFICES ADMIN + SUPPORT Location: Bt Dial House Exchange Building, 21 Chapel Street, ., Salford, M3 7ba Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprtb3638al Permit Version: 1 Effective Date: 29th May 2013 Issued Date: 29th May 2013 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	692	2	383690 398670
21	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Egerton St Worsley St Cso Egerton St And Worsley St, Cornbrook, A57 M, Manchester, M15 4lg Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016983277 Permit Version: 1 Effective Date: 1st November 1999 Issued Date: 19th February 1999 Revocation Date: 31st March 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: The River Medlock **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	711	2	382791 397530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chester Rd At York St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982720 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 18th February 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	711	2	382790 397530
21	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chester Rd/York St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0279 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 19th December 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	711	2	382790 397530
21	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Egerton St/Elesmere St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0180 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 12th August 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	711	2	382790 397530
21	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Chester Rd At York St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982720 Permit Version: 2 Effective Date: 19th February 1999 Issued Date: Not Supplied Revocation Date: 14th July 2000 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	711	2	382790 397530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Egerton St Worsley St Cso Egerton St And Worsley St, Cornbrook, A57 M, Manchester, M15 4lg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016983277 Permit Version: 2 Effective Date: 1st April 2018 Issued Date: 12th March 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: The River Medlock **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	712	2	382787 397531
21	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Egerton St/Worsley St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0181 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	717	2	382780 397530
22	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Trumpet Street, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0168 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: River Tib Culvert-Medlock **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	748	2	383720 397550
23	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Great Bridgewater St, Opposite Chepstow Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0163 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: River Tib Culvert **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	752	2	383790 397610

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Victoria Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0155 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 10th December 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	762	2	383770 398690
24	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Victoria Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0155 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	762	2	383770 398690
25	**Discharge Consents** Operator: Fq Developments Limited Property Type: CONSTRUCTION OF BUILDINGS Location: Owen Street, ., ., Manchester, M15 4pz Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprfb3091rh Permit Version: 1 Effective Date: 4th October 2016 Issued Date: 4th October 2016 Revocation Date: 2nd July 2018 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: The River Medlock **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A8SE (S)	798	2	383421 397334
26	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Albion Street/Hewitt St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0251 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	799	2	383700 397470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Albion Street/Hewitt St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982706 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	803	2	383700 397465
27	**Discharge Consents** Operator: Mr P Lane Property Type: FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB Location: Food & Wine Bar Swo Railway Arches, Chapel Street, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991311 Permit Version: 1 Effective Date: 1st November 1994 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	799	2	383700 398800
28	**Discharge Consents** Operator: Riverside Developments Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Riverside Res Development Swo, The Crescent/Adelphi Street, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991216 Permit Version: 1 Effective Date: 1st July 1991 Issued Date: Not Supplied Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	832	2	382500 398600
29	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Victoria Arches, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0357 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	A19SW (NE)	840	2	383820 398750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Discharge Consents** Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Subway - Victoria Avenue, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0175 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: River Irk **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	855	2	383850 398740
30	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Mancunian Way Roundabout, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0368 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	A8SW (S)	861	2	382960 397280
31	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Great Bridgewater St, Opposite Chepstow Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0252 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	875	2	383810 397460
31	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Great Bridgewater St, Opposite Chepstow Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982707 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	878	2	383810 397455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	**Discharge Consents** Operator: Dandara Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: St Georges Island Projects Office, Hulme Hall Road, Manchester, M15 4ly Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016993598 Permit Version: 1 Effective Date: 14th September 2004 Issued Date: 14th September 2004 Revocation Date: 14th January 2005 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Consent expired** Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	887	2	382610 397450
33	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cambridge Street Cso 282d9 1 Cambridge Street, ., Manchester, Greater Manchester, M1 5bw Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982721 Permit Version: 3 Effective Date: 11th April 2018 Issued Date: 11th April 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	934	2	383830 397400
33	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Wilmott St At River St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0184 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 18th October 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	934	2	383830 397400
33	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lower Cambridge St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982721 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 14th November 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Manually corrected supplier location	A9SW (SE)	934	2	383830 397400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lower Cambridge St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0285 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 15th November 1999 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	938	2	383830 397395
33	**Discharge Consents** Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Cambridge Street Cso 282d9 1 Cambridge Street, ., Manchester, Greater Manchester, M1 5bw Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982721 Permit Version: 2 Effective Date: 15th November 1999 Issued Date: Not Supplied Revocation Date: 10th April 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Medlock **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	939	2	383850 397410
34	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Beaumont Building Cso 28049 Jnt New Bridge St Great Ducie St, ., Man0051, Manchester, M3 1pq Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016993837 Permit Version: 2 Effective Date: 11th April 2018 Issued Date: 11th April 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	996	2	383670 399050
35	**Enforcement and Prohibition Notices** Location: Manchester Children's Hospital, Gartside Street, MANCHESTER, M3 3FJ Permit Reference: Not Given Enforcement Date: 4th August 1995 Details: Press Release HM269, Breach of conditions relating to accumulation & disposal of radioactive wastes; under RSA93. Positional Accuracy: Unknown	A13SE (E)	40	2	383285 398129
36	**Local Authority Pollution Prevention and Controls** Name: Granada Dry Cleaners Location: 71-73 Bridge Street, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/20/07 Dated: 26th February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	356	3	383558 398300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	**Local Authority Pollution Prevention and Controls** Name: Johnson Cleaners Uk Ltd - Manchester Location: 59 Cross Street, Albert Square, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/12/07 Dated: 1st February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	604	3	383845 398199
38	**Local Authority Pollution Prevention and Controls** Name: Hanson Aggregates Location: Potato Wharf, Off Liverpool Road, MANCHESTER, M3 4NB Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/03/05/AW Dated: 7th August 1992 Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	639	3	382848 397577
39	**Local Authority Pollution Prevention and Controls** Name: Ryland Honda Location: Blackfriars Road, SALFORD, Lancashire, M3 7AP Authority: Salford City Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	723	4	383408 398859
40	**Local Authority Pollution Prevention and Controls** Name: The Laundry Shop (Manchester Ltd) Location: Unit 5 Peter House, Oxford Street, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/01/09 Dated: 1st February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A14SE (SE)	730	3	383915 397839
41	**Local Authority Pollution Prevention and Controls** Name: Sainsbury'S Plc Location: 100 Regent Road, SALFORD, Lancashire, M5 4QU Authority: Salford City Council, Environmental Health Department Permit Reference: 23071/010311 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A12SW (SW)	732	4	382524 397829
42	**Local Authority Pollution Prevention and Controls** Name: Tom Garner Motors Location: Chester Road, MANCHESTER, Lancashire, M15 4GA Authority: Manchester City Council, Environmental Health Department Permit Reference: 43/93 Dated: 21st June 1993 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A8SE (S)	739	3	383280 397369
43	**Local Authority Pollution Prevention and Controls** Name: Concept Automotive Services Location: Upper Wharfe Street, SALFORD, Lancashire, M5 4TY Authority: Salford City Council, Environmental Health Department Permit Reference: NOT GIVEN Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	795	4	382425 398354

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	**Local Authority Pollution Prevention and Controls** Name: Citroen UK Ltd Location: Upper Wharf Street, SALFORD, Lancashire, M5 4PG Authority: Salford City Council, Environmental Health Department Permit Reference: 29/56 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status:** **Authorised** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	820	4	382400 398357
44	**Local Authority Pollution Prevention and Controls** Name: Henry Sutcliffe Location: Hulme Street, SALFORD, Lancashire, M5 Authority: Salford City Council, Environmental Health Department Permit Reference: 30/17 Dated: 30th April 1993 Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products **Status:** **Authorised** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	817	4	382434 398447
45	**Local Authority Pollution Prevention and Controls** Name: Renault (Manchester) Ltd Location: Trinity Way, Blackfriars Road, SALFORD, Greater Manchester, M3 7FT Authority: Salford City Council, Environmental Health Department Permit Reference: 8363/040408 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	834	4	383272 398993
45	**Local Authority Pollution Prevention and Controls** Name: Renault Manchester Location: 72 Blackfriars Road, SALFORD, Lancashire, M3 7FT Authority: Salford City Council, Environmental Health Department Permit Reference: 29/50 Dated: 15th December 1994 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	862	4	383293 399019
46	**Local Authority Pollution Prevention and Controls** Name: Cemex Uk Materials Ltd - Readymix Location: Hope Street, SALFORD, Lancashire, M5 4WN Authority: Salford City Council, Environmental Health Department Permit Reference: 7235/041212 Dated: 10th August 1993 Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	870	4	382332 398285
46	**Local Authority Pollution Prevention and Controls** Name: Cemex Uk Materials Ltd - Aggregates Location: Hope Street, SALFORD, Lancashire, M5 4WN Authority: Salford City Council, Environmental Health Department Permit Reference: 8186/250811 Dated: 28th October 1993 Process Type: Local Authority Air Pollution Control Description: Part B - General Mineral Process (No Specific Reference) **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	898	4	382306 398296
47	**Local Authority Pollution Prevention and Controls** Name: Greengate Polymer Coatings Ltd Location: Greengate Works, SALFORD, M3 7WS Authority: Salford City Council, Environmental Health Department Permit Reference: 28/36 Dated: 16th February 1995 Process Type: Local Authority Air Pollution Control Description: PG6/10 Coating manufacturing **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	917	4	383527 399025

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**Local Authority Pollution Prevention and Controls** Name: Timpson Ltd (Sainsbury) Location: 100 Regent Road, Salford, M5 4qu Authority: Salford City Council, Environmental Health Department Permit Reference: 123814/241007 Dated: 24th October 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	934	4	382305 397835
49	**Local Authority Pollution Prevention and Controls** Name: Salford Quays Laundry & Dry Cleaning Location: 6 Muslin Street, Salford, M5 4nf Authority: Salford City Council, Environmental Health Department Permit Reference: 122043/280907 Dated: 28th September 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	940	4	382254 398228
50	**Local Authority Pollution Prevention and Controls** Name: Shell Phoenix Location: Regent Road, SALFORD, Lancashire, M5 4TS Authority: Salford City Council, Environmental Health Department Permit Reference: 23188/090210 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	942	4	382339 397732
51	**Local Authority Pollution Prevention and Controls** Name: Synergie - Texaco Service Station Location: Oldfield Road, SALFORD, Lancashire, M5 4NE Authority: Salford City Council, Environmental Health Department Permit Reference: 23297/190912 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	977	4	382233 397934
51	**Local Authority Pollution Prevention and Controls** Name: H Jackson Company Location: 84 Oldfield Road, SALFORD, Lancashire, M5 3SR Authority: Salford City Council, Environmental Health Department Permit Reference: 29/33 Dated: 16th June 1994 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	1000	4	382220 397888
52	**Local Authority Pollution Prevention and Controls** Name: Hydraulic Transmission Services Ltd Location: 9 Cannon Street, Salford, Lancashire, M3 6jh Authority: Salford City Council, Environmental Health Department Permit Reference: 25939/261109 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A17NE (N)	991	4	382840 399075
	Nearest Surface Water Feature	A13NW (NW)	104	-	383127 398220
53	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Sewage Note: River Irwell Incident Date: 14th May 1993 Incident Reference: 93611003 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	439	2	383500 398500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	**Pollution Incidents to Controlled Waters** Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: River Irwell Incident Date: 26th May 1992 Incident Reference: 92610872 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	508	2	383600 398500
55	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Colour Note: Not Supplied Incident Date: 12th May 1995 Incident Reference: 95611111 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	580	2	383600 398600
55	**Pollution Incidents to Controlled Waters** Property Type: No Premises Identified Location: St Marys Parsonage, Off Blackfriars Street, Manchester City Centre, MANCHESTER, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Contaminated Material : Fire Fighting Run Off Note: Not Supplied Incident Date: 2nd May 1999 Incident Reference: 28749 Catchment Area: Irwell Receiving Water: River Stretch (Freshwater) Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	609	2	383629 398613
56	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 11th March 1996 Incident Reference: 96610444 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	607	2	383500 398700
57	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 8th July 1992 Incident Reference: 92611241 Catchment Area: Bridgewater Canal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	633	2	383400 397500
58	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: River Irwell Incident Date: 10th May 1993 Incident Reference: 93610965 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	659	2	383600 398700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: River Medlock; Cement Washings Incident Date: 21st February 1995 Incident Reference: 95650362 Catchment Area: Medlock Receiving Water: Not Given Cause of Incident: Land Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	710	2	383300 397400
60	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Moorefield Cres, LOWTON Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Stream Discoloured Incident Date: 30th May 1998 Incident Reference: SO980959 Catchment Area: Glaze Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	729	2	383400 397400
61	**Pollution Incidents to Controlled Waters** Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: River Irwell Incident Date: 5th September 1995 Incident Reference: 95612250 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	817	2	382600 398700
62	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: River Irwell; Foam Incident Date: 31st January 1996 Incident Reference: 96610198 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	832	2	382500 398600
63	**Pollution Incidents to Controlled Waters** Property Type: Spillage; Accident - Static Site Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Fire water / Foam Note: River Irwell; Fire Water Run Off Incident Date: 28th January 1996 Incident Reference: 96610168 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	869	2	383000 399000
64	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: River Irwell Incident Date: 13th January 1993 Incident Reference: 93610055 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	892	2	382500 398700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: Manchester Ship Canal; Detergent Incident Date: 1st February 1996 Incident Reference: 96650187 Catchment Area: Manchester Ship Canal Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	931	2	382600 397400
66	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Not Given Note: Not Supplied Incident Date: 16th March 1992 Incident Reference: 92610433 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	932	2	383900 398800
67	**Pollution Incidents to Controlled Waters** Property Type: Road Location: Mancunian Way , HULME Authority: Environment Agency, North West Region Pollutant: Chemicals - Unknown Note: 20 Litres Of Chemical Irgasol In Drains Incident Date: 7th September 1998 Incident Reference: SO981631 Catchment Area: Manchester Ship Canal Receiving Water: Freshwater Stream/River Cause of Incident: Road Traffic Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	949	2	383500 397200
68	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 27th October 1992 Incident Reference: 92741897 Catchment Area: Bridgewater Canal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	952	2	382700 397300
69	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 29th November 1995 Incident Reference: 95612868 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	994	2	382900 399100
70	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Oil Note: Engine Oil Incident Date: 8th January 1995 Incident Reference: 95650025 Catchment Area: Bridgewater Canal Receiving Water: Not Given Cause of Incident: Land Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	999	2	382505 397395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	**Prosecutions Relating to Authorised Processes** Location: Hope Street, SALFORD, Lancashire, M5 4WN Prosecution Text: Failure to use BPM to prevent the release of offensive & noxious substances to atmosphere. Prosecution Act: HSWA74 Hearing Date: 7th January 1994 Verdict: Guilty Fine: 8000 Costs: 11000 Positional Accuracy: Manually positioned to the address or location	A12NW (W)	956	2	382249 398305
72	**Registered Radioactive Substances** Name: National Vulcan Eng Ins Group Ltd Location: St Marys Parsonage, MANCHESTER, M60 9AP Authority: Scottish Environment Protection Agency, Head Office Permit Reference: IPB/3/3/023 Dated: 24th April 1980 Process Type: Registration under S10 RSA for the keeping and use of mobile Radioactive sources (was RSA60 S3) Description: Registration under S7 or S10 RSA for the keeping and use of radioactive material or apparatus for 1 or more tracer test sources dated pre April 1991 **Status: Not Given** Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	409	5	383532 398427
	River Quality Name: Irwell (Msc) GQA Grade: River Quality E Reach: Salford University To Salford Docks Estimated Distance (km): 8.2 Flow Rate: Flow less than 40 cumecs Flow Type: River Year: 2000	A13NW (NW)	65	2	383157 398194
	River Quality Name: Rochdale Canal GQA Grade: River Quality B Reach: Ashton Canal To Knott Mill Estimated Distance (km): 1.8 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A8NE (S)	643	2	383458 397510
	River Quality Name: Bridgewater Canal GQA Grade: River Quality B Reach: Waters Meeting To Conf Rochdale Canal Estimated Distance (km): 3.6 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A8NW (S)	645	2	382988 397498
	River Quality Name: Bridgewater Canal GQA Grade: River Quality B Reach: Conf Rochdale Canal To Tilting Weir Estimated Distance (km): .4 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A8NW (S)	645	2	382988 397498
	River Quality Name: Medlock GQA Grade: River Quality E Reach: Lords Bk To Irwell Estimated Distance (km): 9.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8SW (S)	707	2	383178 397398
	River Quality Name: Irk GQA Grade: River Quality E Reach: Moston Bk To Irwell Estimated Distance (km): 1.7 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	A19NW (NE)	878	2	383705 398893

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**River Quality Chemistry Sampling Points** Name: Rochdale Canal Reach: Ashton Canal To Knott Mill Estimated Distance: 1.80 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade D - Fair Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A8NE (S)	559	2	383330 397558
74	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 14th August 2013 Incident Reference: 1147703 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Other	A12NW (W)	945	2	382248 398211

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	**Water Abstractions** Operator: Her Majesty'S Court Service Licence Number: 2569007089 Permit Version: 2 Location: 2 Boreholes At Gartside Street Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Gartside Street Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th July 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	188	2	383335 398310
75	**Water Abstractions** Operator: Bovis Lend Lease Ltd Licence Number: 2569007089 Permit Version: 1 Location: 2 Boreholes At Gartside Street Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Gartside Street Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th January 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	188	2	383335 398310
76	**Water Abstractions** Operator: Threlfalls (Salford) Ltd. Licence Number: 2569006009 Permit Version: Not Supplied Location: Four Boreholes, Cook Street, SALFORD Authority: Environment Agency, North West Region Abstraction: Cooling & Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 977 Yearly Rate (m3): 227300 Details: Additional Purpose: Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SW (N)	640	2	383200 398800
77	**Water Abstractions** Operator: British Telecommunications Plc Licence Number: 2569007070 Permit Version: 101 Location: Borehole At Dial House Chapel Street Salford Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Dial House, Salford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	721	2	383700 398700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	**Water Abstractions** Operator: British Telecom Licence Number: 2569007070 Permit Version: 100 Location: Borehole At Dial House, Chapel St, Salford Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 30 Yearly Rate (m3): 45 Details: Premises At Dial House, Salford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th January 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	721	2	383700 398700
78	**Water Abstractions** Operator: British Telecommunications Plc Licence Number: 2569007069 Permit Version: 100 Location: Borehole At George St, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 860 Yearly Rate (m3): 1100 Details: Premises At Rutherford Hse, York St Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	865	2	384100 398000
79	**Water Abstractions** Operator: North Western Electricity Board Licence Number: 2569006023 Permit Version: Not Supplied Location: Rochdale Canal, Dickinson Street, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 82 Yearly Rate (m3): 25230 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	956	2	384100 397700
80	**Water Abstractions** Operator: Cds Computer Design Systems Ltd Licence Number: 2569007053 Permit Version: 100 Location: R Irwell At Irwell Works, Ordsall Lane, Salford Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 22730 Details: Irwell Works, Ordsall Lane, Salford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st November 1987 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	999	2	382500 397400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Cemex Uk Materials Ltd Licence Number: 2569007085 Permit Version: 4 Location: Borehole At Hope Street, Salford, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: 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: Land At Hope Street, Salford, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st December 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1018	2	382190 398330
	Water Abstractions Operator: Cemex Uk Materials Ltd Licence Number: 2569007085 Permit Version: 3 Location: Borehole At Hope Street, Salford, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: 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: Land At Hope Street, Salford, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th October 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1018	2	382190 398330
	Water Abstractions Operator: Cemex Uk Materials Ltd Licence Number: 2569007085 Permit Version: 2 Location: Borehole At Hope Street, Salford, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: 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: Land At Hope Street, Salford, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd March 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1018	2	382190 398330
	Water Abstractions Operator: Ready Mixed Concrete (North West) Limited Licence Number: 2569007085 Permit Version: 1 Location: Borehole At Hope Street, Salford, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: 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: Land At Hope Street, Salford, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st November 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1018	2	382190 398330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 2 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1191	2	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 2) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1191	2	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 2 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1191	2	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 2 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1191	2	383820 399190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 2) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 682 Yearly Rate (m3): 194755 Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1191	2	383820 399190
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 2) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1191	2	383820 399190
	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	A9SE (SE)	1196	2	384000 397200
	Water Abstractions Operator: West Contracting Licence Number: Nw0690006001 Permit Version: 1 Location: Boreholes At Origin Developments, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 19th January 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10NW (E)	1200	2	384378 397733

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: West Contracting Licence Number: Nw/069/0006/001 Permit Version: 1 Location: Boreholes At Origin Developments, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 19th January 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10NW (E)	1200	2	384378 397733
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 3 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1222	2	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 3 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1222	2	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 3 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1222	2	383830 399220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 3) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Borehole At Strangeways Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1222	2	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 3) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1222	2	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 3) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1222	2	383830 399220
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 1 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1258	2	383850 399250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1258	2	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Borehole At Strangeways, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1258	2	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 102 Location: Borehole Number 1 At Premises Strangeways Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1258	2	383850 399250
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1258	2	383850 399250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Interbrew Uk Ltd Licence Number: 2569004023 Permit Version: 101 Location: Borehole (No 1) At Premises, Strangeways, Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Strangeways Brewery, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1258	2	383850 399250
	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	A4NE (SE)	1396	2	384180 397091
	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	A4NE (SE)	1396	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	A4NE (SE)	1396	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: 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	A4NE (SE)	1396	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	A4SW (S)	1448	2	383715 396746
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0004/003 Permit Version: 1 Location: Borehole At Manchester Metropolitan University Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4SW (S)	1448	2	383715 396746
	Water Abstractions Operator: Joseph Holt Ltd Licence Number: 2569004011 Permit Version: 100 Location: Borehole At Derby Brewery, Cheetham, Manchester 3 Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 182 Yearly Rate (m3): 45460 Details: Derby Brewery, Cheetham, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24NE (NE)	1773	2	384100 399700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Joseph Holt Ltd Licence Number: 2569004011 Permit Version: 100 Location: Borehole At Derby Brewery, Cheetham, Manchester 3 Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Derby Brewery, Cheetham, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (NE)	1773	2	384100 399700
	Water Abstractions Operator: Lancashire Dairies Ltd Licence Number: 2569004021 Permit Version: 100 Location: Borehole At Premises, Derby Street, Cheetham, Manchester Authority: Environment Agency, North West Region Abstraction: Dairies: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 436 Yearly Rate (m3): 159110 Details: Premises At Derby St,Cheetham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24NE (N)	1774	2	383900 399800
	Water Abstractions Operator: Lancashire Dairies Ltd Licence Number: 2569004021 Permit Version: 100 Location: Borehole At Premises, Derby Street, Cheetham, Manchester Authority: Environment Agency, North West Region Abstraction: Dairies: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Derby St,Cheetham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NE (N)	1774	2	383900 399800
	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: 3-10m Superficial Recharge: Low	A13SW (SE)	0	6	383217 398132
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SW (SE)	0	6	383217 398132
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (SE)	0	6	383217 398132

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	**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.	A9NW (SE)	580	2	383680 397744
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	37	2	383153 398138
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	139	2	383225 398299
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	102	2	383123 398212
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	106	2	383134 398226
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	230	2	383329 398364
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A13NW (NW)	125	7	383111 398233
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 335.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A13NW (NW)	125	7	383110 398231
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 893.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A13NW (NW)	125	7	383137 398253
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 78.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A13SW (SW)	336	7	382886 397991

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 103.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	336	7	382886 397991
87	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 78.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	357	7	383082 397771
88	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 78.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	357	7	383068 397777
89	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 24.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	372	7	382823 398072
90	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 135.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	386	7	382807 398090
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (SE)	388	7	383585 397942
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A12SE (SW)	409	7	382833 397934
93	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 70.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	433	7	383047 397703
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 551.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A12SE (SW)	434	7	382810 397925

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.8 Watercourse Level: Underground Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A8NW (SW)	468	7	382949 397716
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 448.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A8NW (SW)	468	7	382949 397716
97	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 58.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A8NW (SW)	472	7	382992 397686
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A8NW (SW)	474	7	382989 397685
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 2	A8NW (SW)	484	7	382980 397679
100	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 74.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 2	A8NW (SW)	494	7	382970 397672
101	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 2	A8NW (S)	503	7	383020 397638
102	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 24.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	505	7	382684 398125
103	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 52.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 2	A8NW (S)	513	7	383017 397629

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	516	7	383315 397598
105	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 160.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	525	7	382665 398140
106	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 209.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NW (S)	534	7	383205 397571
107	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 147.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (S)	539	7	383299 397572
108	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 21.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (S)	539	7	383299 397572
109	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bridgewater Canal Catchment Name: Mersey Primacy: 2	A8NE (S)	543	7	383278 397565
110	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 31.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bridgewater Canal Catchment Name: Mersey Primacy: 2	A8NE (S)	548	7	383287 397562
111	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 93.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bridgewater Canal Catchment Name: Mersey Primacy: 1	A8NW (S)	554	7	383035 397579
112	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 47.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bridgewater Canal Catchment Name: Mersey Primacy: 1	A8NW (S)	554	7	383035 397579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 113.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	555	7	382887 397653
114	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 284.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bridgewater Canal Catchment Name: Mersey Primacy: 1	A8NW (S)	562	7	383072 397559
115	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 22.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bridgewater Canal Catchment Name: Mersey Primacy: 2	A8NE (S)	577	7	383281 397531
116	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 31.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (S)	590	7	383445 397562
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	593	7	383469 397569
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 47.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A8NE (S)	596	7	383276 397512
119	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 48.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (SE)	602	7	383476 397563
120	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 49.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	609	7	382945 397555
121	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 200.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bridgewater Canal Catchment Name: Mersey Primacy: 1	A8NW (SW)	609	7	382945 397555

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.1 Watercourse Level: Underground Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A8NE (S)	617	7	383315 397496
123	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (SE)	626	7	383524 397561
124	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 282.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8NE (SE)	629	7	383528 397561
125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A8NE (S)	629	7	383334 397487
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A8NE (S)	652	7	383351 397468
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A8SE (S)	686	7	383374 397438
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 295.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A8SE (S)	691	7	383376 397433
129	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 120.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A7NE (SW)	776	7	382764 397469
130	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 187.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bridgewater Canal Catchment Name: Mersey Primacy: 1	A7NE (SW)	779	7	382770 397461

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 47.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	779	7	382781 397454
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	794	7	383804 397565
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 231.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A9SW (SE)	808	7	383595 397393
134	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 594.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A9NW (SE)	809	7	383808 397546
135	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A19SW (NE)	825	7	383797 398752
136	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	847	7	383909 398656
137	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 176.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A19SW (NE)	847	7	383808 398773
138	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	865	7	383929 398659
139	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	871	7	382667 397422

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 69.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	871	7	382667 397422
141	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	873	7	383938 398661
142	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A7NE (SW)	875	7	382604 397473
143	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3171.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A17SW (NW)	882	7	382441 398602
144	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 207.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A9SW (SE)	883	7	383817 397456
145	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 154.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A7NE (SW)	885	7	382578 397484
146	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	895	7	383959 398670
147	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	899	7	383963 398671
148	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 153.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bridgewater Canal Catchment Name: Mersey Primacy: 1	A7SE (SW)	962	7	382633 397334

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
149	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 86.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	962	7	382633 397334
150	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 111.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	962	7	383951 398788
151	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 494.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A19NW (NE)	973	7	383745 398980
152	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 82.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A19NW (NE)	975	7	383775 398963
153	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irk Catchment Name: Mersey Primacy: 1	A19NW (NE)	983	7	383831 398932
154	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 236.6 Watercourse Level: Underground Permanent: True Watercourse Name: River Medlock Catchment Name: Mersey Primacy: 1	A9SE (SE)	991	7	383949 397431

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Salford, Greater Manchester Name: Wilburn Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16529 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: E052	A12SE (SW)	430	2	382807 397939
156	**Historical Landfill Sites** Licence Holder: British Rail Property Board Location: Oldfield Road, Salford, Greater Manchester Name: Former Ordsall Lane Sidings Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16525 First Input Date: 1st May 1986 Last Input Date: 31st December 1986 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9121 BGS Ref: Not Supplied Other Ref: E020, RD/LIC/414/85	A12SW (W)	864	2	382328 398065
157	**Licensed Waste Management Facilities (Locations)** Licence Number: 50480 Location: Mobile Plant Permit Operator Name: Soil & Water Remediation Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Mobile Plant **Licence Status: Transferred** Issued: 12th December 2006 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	519	2	382841 397739
158	**Licensed Waste Management Facilities (Locations)** Licence Number: 53734 Location: 2a Hulme Street, Salford, Lancashire, M5 4PY Operator Name: A Cohen & Co Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Sites (Mixed) **Licence Status: Surrendered** Issued: 17th May 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 25th March 2002 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	818	2	382428 398434

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	**Licensed Waste Management Facilities (Locations)** Licence Number: 53487 Location: Manchester Tippers And Aggregates, Upper Wharf Street, Salford, Lancashire, M5 4TY Operator Name: Canal & River Trust Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Physical Treatment Facilities **Licence Status: Transferred** Issued: 17th August 1998 Last Modified: 2nd December 2013 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	865	2	382356 398368
160	**Licensed Waste Management Facilities (Locations)** Licence Number: 401934 Location: Duncan Street, Salford, Manchester, M5 3SQ Operator Name: Excalon Limited Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Inert & Excavation Waste TS **Licence Status: Issued** Issued: 17th December 2014 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	974	2	382228 397976
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	8	383217 398132
	Local Authority Landfill Coverage Name: Salford Metropolitan District Council - Has no landfill data to supply		119	4	383122 398234
161	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994	A8NW (SW)	615	-	382943 397549
162	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1994	A7SE (SW)	819	-	382872 397358
163	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SW (W)	258	-	382938 398076
164	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SE (W)	336	-	382854 398116
165	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SE (W)	337	-	382877 398010
166	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NE (W)	415	-	382783 398222
167	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8NW (SW)	454	-	382975 397716
168	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (S)	465	-	383074 397659
169	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SE (W)	472	-	382718 398107

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	481	-	383588 397790
171	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8NW (SW)	555	-	382888 397652
172	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7NE (SW)	584	-	382856 397639
173	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (SW)	608	-	382954 397553
174	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A8NE (S)	655	-	383339 397462
175	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A9NW (SE)	676	-	383777 397711
176	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A9NW (SE)	754	-	383844 397670
177	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12NW (W)	759	-	382454 398323
178	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	766	-	382424 398113
179	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A9NE (SE)	766	-	383919 397764
180	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A9SW (SE)	807	-	383599 397396
181	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SE (NW)	837	-	382586 398714
182	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SE (S)	847	-	383440 397289
183	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	856	-	384046 397827
184	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A12NW (W)	864	-	382362 398385
185	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	883	-	382308 398079
186	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	883	-	384086 397859
187	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17NE (NW)	896	-	382649 398851
188	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12NW (W)	897	-	382324 398370
189	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	929	-	382782 397279
190	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1909	A9SW (SE)	938	-	383872 397429

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A9SW (SE)	939	-	383864 397422
192	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SE (E)	948	-	384134 397798
193	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A17SW (NW)	952	-	382396 398660
194	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A9SE (SE)	992	-	383949 397428
195	**Registered Waste Transfer Sites** Licence Holder: Supertune Automotive Ltd Licence Reference: 00604/90 Site Location: Gore Street, SALFORD, Greater Manchester, M3 5FP Operator Location: Oldham Central Trading Park, Coulton Close, OLDHAM, Lancashire, OL1 4EB Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Licence Status: Site exempt from licenceExempt Dated: 1st August 1990 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Hydrocarbons Oxygen Containing Organic Compounds Paint Waste $	A18SW (N)	342	2	383100 398480
196	**Registered Waste Transfer Sites** Licence Holder: Spray Shop Supplies Ltd Licence Reference: 00858/92 Site Location: 2A Manchester Trading Estate, New Elm Road, Water Street, MANCHESTER, Greater Manchester, M3 4JV Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Site exempt from licenceExempt Dated: 1st May 1993 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Storage In Licence Solvents & Thinners Prohibited Waste: Explosive Waste Malodorous Waste Pressurized Containers/Waste Therein Violently Reactive Wastes Waste N.O.S.	A8NW (SW)	465	2	382903 397754

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	**Registered Waste Transfer Sites** Licence Holder: E & N Gregson & Co Licence Reference: 00191 Site Location: Ravald Street, Salford, Greater Manchester Operator Location: Ravald School, Salford, Greater Manchester Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 27th November 1981 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Latex, Latex/Rubber Sol'Ns/Susp'Ns Oxygen Containing Organic Compounds Paint Waste $ Soaps & Detergents Waste From Ink Manufacture And Use Water (Contaminated)	A18NE (N)	824	2	383228 398984
198	**Registered Waste Transfer Sites** Licence Holder: Manchester Tippers & Aggregates Ltd Licence Reference: 80041 Site Location: Upper Wharf Street, Oldfield Road, SALFORD, Greater Manchester, M5 4TY Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 17th August 1998 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: Inert Solid Waste Comprising Max.Storage In Licence Max.Waste Permitted By Licence Uncontam. Concrete Uncontam. Sand Uncontam. Soil/Subsoil Prohibited Waste: Asbestos Batteries Bulk Powders Clinical Wastes Contaminated Materials Contaminated Soils Foundry/Moulding Sand Pressurised Containers Sand Filter Materials Spec.Waste (Epa'90:S62/1996 Regs) Waste In Drums Waste In Pressurised Containers Waste N.O.S.	A12NW (W)	826	2	382395 398360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
199	**Registered Waste Treatment or Disposal Sites** Licence Holder: Manchester Wharf Steel Ltd Licence Reference: 00587 Site Location: Potato Wharf, MANCHESTER, Greater Manchester, M3 4LA Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Scrapyard Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st May 1996 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Associated Non-Scrap; Max.Storage Of Ferrous Scrap; Pre-Sorted Scrap Metal Incl. Scrap Vehicles Prohibited Waste: Asbestos (Other Than Integral To Veh.); Bulk Powders; Clinical Wastes; Explosive Waste; Highly Reactive Wastes; Pcbs And Analogues; Pressurised Wastes Or Cont'Rs; Special Wastes N.O.S.; Waste Drums (Unless Pre-Cleaned); Waste N.O.S.	A8NW (SW)	458	2	382960 397720
200	**Registered Waste Treatment or Disposal Sites** Licence Holder: A Cohen & Co (GB) Ltd Licence Reference: 00933 Site Location: 2A Hulme Street, SALFORD, Greater Manchester, M5 4PY Operator Location: Clareville House, 25/27 Oxenden Street, LONDON, Greater London, SW1Y 4EL Authority: Environment Agency - North West Region, South Area Site Category: Scrapyard Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Site dormant Dated: 1st May 1994 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: Copper Compounds From Wire Drawing; Lead/Acid Batteries (Incl.Plastic); Max.Waste Permitted By Licence; Scrap Mach'Y/Equip. - Non-Ferrous Prohibited Waste: Explosive Waste; Liquid Waste N.O.S.; Press'D Containers Or Waste Therein; Waste N.O.S Whether/Not Pack.'Pre-Trt; Waste Reacting Violently With Water	A12NW (NW)	758	2	382500 398450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13SW (SE)	0	1	383217 398132
	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	A13SW (SE)	0	1	383217 398132
	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	A13SE (E)	155	1	383396 398094
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	249	1	383459 398000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A8NW (S)	339	1	383093 397786
	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	A14SW (E)	441	1	383651 397958
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 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	A12SE (SW)	596	1	382678 397830

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 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	A17SW (NW)	853	1	382488 398621
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18NE (N)	885	1	383500 399000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A9NE (SE)	892	1	383923 397548
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	943	1	383652 399000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NW (N)	980	1	383186 399140
201	**BGS Recorded Mineral Sites** Site Name: Pendleton Rail Depot Location: Pendleton, Salford, Greater Manchester Source: British Geological Survey, National Geoscience Information Service Reference: 31708 Type: Rail Depot **Status: Active** Operator: Cemex Uk Materials Ltd. Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Quarry (Hard Rock) Commodity: Crushed Rock Positional Accuracy: Located by supplier to within 10m	A12NW (W)	923	1	382285 398320

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: 383120, 398090 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 28.10 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 66.10 mg/kg Lead Measured Concentration: 436.60 mg/kg Nickel Measured Concentration: 32.50 mg/kg	A13SW (SW)	83	1	383120 398090
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383250, 397700 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 16.40 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 48.80 mg/kg Lead Measured Concentration: 147.70 mg/kg Nickel Measured Concentration: 21.10 mg/kg	A8NE (S)	406	1	383250 397700
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382710, 398200 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 18.30 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 50.90 mg/kg Lead Measured Concentration: 215.70 mg/kg Nickel Measured Concentration: 18.60 mg/kg	A12NE (W)	484	1	382710 398200
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383620, 398440 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 24.80 mg/kg Cadmium Measured Concentration: 2.20 mg/kg Chromium Measured Concentration: 74.20 mg/kg Lead Measured Concentration: 376.60 mg/kg Nickel Measured Concentration: 25.90 mg/kg	A14NW (NE)	486	1	383620 398440
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382820, 397770 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 20.00 mg/kg Cadmium Measured Concentration: 1.00 mg/kg Chromium Measured Concentration: 68.10 mg/kg Lead Measured Concentration: 232.70 mg/kg Nickel Measured Concentration: 25.60 mg/kg	A7NE (SW)	513	1	382820 397770

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: 383240, 398740 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 25.70 mg/kg Cadmium Measured Concentration: 1.00 mg/kg Chromium Measured Concentration: 91.40 mg/kg Lead Measured Concentration: 212.00 mg/kg Nickel Measured Concentration: 32.90 mg/kg	A18SE (N)	580	1	383240 398740
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383880, 397770 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 11.90 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 55.90 mg/kg Lead Measured Concentration: 102.20 mg/kg Nickel Measured Concentration: 17.80 mg/kg	A9NW (SE)	729	1	383880 397770
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382770, 398840 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 19.10 mg/kg Cadmium Measured Concentration: 1.20 mg/kg Chromium Measured Concentration: 67.10 mg/kg Lead Measured Concentration: 316.70 mg/kg Nickel Measured Concentration: 30.00 mg/kg	A17NE (NW)	817	1	382770 398840
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383070, 397210 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 18.20 mg/kg Cadmium Measured Concentration: 0.70 mg/kg Chromium Measured Concentration: 64.00 mg/kg Lead Measured Concentration: 158.90 mg/kg Nickel Measured Concentration: 27.00 mg/kg	A8SW (S)	905	1	383070 397210
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383870, 398810 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 10.50 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 43.80 mg/kg Lead Measured Concentration: 67.70 mg/kg Nickel Measured Concentration: 13.20 mg/kg	A19NW (NE)	918	1	383870 398810

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: 382220, 398190 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 44.20 mg/kg Cadmium Measured Concentration: 3.60 mg/kg Chromium Measured Concentration: 397.30 mg/kg Lead Measured Concentration: 712.40 mg/kg Nickel Measured Concentration: 41.30 mg/kg	A12NW (W)	971	1	382220 398190
	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	A13SW (SE)	0	1	383217 398132
	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.	A13SW (SE)	0	9	383217 398132
	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	A13SW (SE)	0	1	383217 398132
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	96	1	383094 398145
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	383217 398132
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	96	1	383094 398145
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	383217 398132
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	383217 398132

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	383217 398132
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	113	1	383358 398133
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	170	1	383387 398034
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SE)	0	1	383217 398132
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	96	1	383094 398145
	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	A13SW (SE)	0	1	383217 398132
	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	A13SW (SE)	0	1	383217 398132

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
202	**Contemporary Trade Directory Entries** Name: Gazprom Marketing & Trading Retail Ltd Location: 27, Quay Street, Manchester, M3 3GY Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	71	-	383232 398036
202	**Contemporary Trade Directory Entries** Name: Gazprom Marketing & Trading Retail Ltd Location: Quay St, Manchester, Lancashire, M3 3GY Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	71	-	383270 398058
202	**Contemporary Trade Directory Entries** Name: Gazprom Marketing & Trading Location: 27, Quay Street, Manchester, M3 3GY Classification: Gas Companies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (S)	71	-	383232 398036
203	**Contemporary Trade Directory Entries** Name: Scrap My Car Now For Money Manchester Kws Location: 4, Hardman Square, Manchester, M3 3EB Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	117	-	383358 398160
204	**Contemporary Trade Directory Entries** Name: Parkgate Shipping Ltd Location: Third Floor, Byrom House, 21, Quay Street, Manchester, M3 3JD Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	152	-	383345 398013
204	**Contemporary Trade Directory Entries** Name: Direct Line Rescue Location: 17, Quay Street, Manchester, M3 3HN Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	194	-	383394 398004
205	**Contemporary Trade Directory Entries** Name: Burofloor Location: 3, Hardman Street, Manchester, M3 3AW Classification: Carpets & Rugs - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	211	-	383454 398156
205	**Contemporary Trade Directory Entries** Name: Laserox Location: 3, Hardman Street, Manchester, M3 3HF Classification: Medical Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	211	-	383454 398156
205	**Contemporary Trade Directory Entries** Name: Merlin Repairs Specialists Ltd Location: 3, Hardman Street, Manchester, M3 3HF Classification: Bath Resurfacing **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (E)	224	-	383466 398167
206	**Contemporary Trade Directory Entries** Name: Industrial Tomography Systems Location: Sunlight House, Quay Street, Manchester, M3 3JZ Classification: Scientific Apparatus & Instruments - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	245	-	383473 398039
207	**Contemporary Trade Directory Entries** Name: Manchester Pathology Group Location: 27, Byrom Street, Manchester, M3 4PF Classification: Medical & Dental Laboratories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	251	-	383367 397905
208	**Contemporary Trade Directory Entries** Name: Love Energy Savings Location: Sixth Floor, City Wharf, 30, New Bailey Street, Salford, M3 5ER Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	258	-	383233 398418

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
209	**Contemporary Trade Directory Entries** Name: Northern Image Centre Location: Invicta House, 2-4, Atkinson Street, Manchester, Lancashire, M3 3HH Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (E)	283	-	383520 398062
209	**Contemporary Trade Directory Entries** Name: Proteintech Europe Location: 196, Deansgate, Manchester, M3 3WF Classification: Laboratory Equipment, Instruments & Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	300	-	383525 398021
209	**Contemporary Trade Directory Entries** Name: Call Print Location: 198, Deansgate, Manchester, M3 3NE Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	303	-	383526 398016
209	**Contemporary Trade Directory Entries** Name: Call Print Location: 198, Deansgate, MANCHESTER, M3 3NE Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	303	-	383526 398016
210	**Contemporary Trade Directory Entries** Name: Dr'S Batley & Bisset Location: 11, St. John Street, Manchester, M3 4DW Classification: X-Ray Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	283	-	383419 397905
211	**Contemporary Trade Directory Entries** Name: Bright & Clean Manchester Location: 26, Wood Street, Manchester, M3 3EF Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	308	-	383529 398247
211	**Contemporary Trade Directory Entries** Name: Bright & Clean Manchester Location: 26, Wood Street, Manchester, M3 3EF Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	313	-	383535 398245
211	**Contemporary Trade Directory Entries** Name: National Cleaning & Painting Location: 52, Bridge Street, Manchester, M3 3BW Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	329	-	383539 398277
211	**Contemporary Trade Directory Entries** Name: National Cleaning Location: 52, Bridge Street, Manchester, M3 3BW Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	329	-	383539 398277
211	**Contemporary Trade Directory Entries** Name: National Cleaning Location: 52, Bridge Street, MANCHESTER, M3 3BW Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	329	-	383539 398277
211	**Contemporary Trade Directory Entries** Name: Granada Dry Cleaners Location: 71-73, Bridge Street, MANCHESTER, M3 2RH Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	358	-	383560 398299
212	**Contemporary Trade Directory Entries** Name: Hobs Reprograhics Location: 244 Deansgate, Manchester, Greater Manchester, M3 4BQ Classification: Copying & Duplicating Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	316	-	383503 397945

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
212	**Contemporary Trade Directory Entries** Name: Hobs On Site Location: 244, Deansgate, Manchester, Lancashire, M3 4BQ Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	316	-	383503 397945
212	**Contemporary Trade Directory Entries** Name: Lotus (Manchester) Location: 229-235, Deansgate, Manchester, Lancashire, M3 4EN Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	357	-	383524 397905
213	**Contemporary Trade Directory Entries** Name: Fleetwood Agencies Ltd Location: 6, Porchfield Square, Manchester, M3 4FG Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	324	-	383376 397824
214	**Contemporary Trade Directory Entries** Name: Farrow & Ball Location: 270, Deansgate, Manchester, M3 4JB Classification: Wallpapers & Wall Coverings **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	334	-	383469 397880
215	**Contemporary Trade Directory Entries** Name: Car Care Express Location: Arch 4, Irwell Street, Salford, Lancashire, M3 5EN Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	335	-	382967 398385
215	**Contemporary Trade Directory Entries** Name: Zico Cars Location: Arch 4, Irwell Street, Salford, M3 5EN Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	335	-	382967 398385
216	**Contemporary Trade Directory Entries** Name: Paragon Service Point Location: Liverpool Road, Manchester, M3 4AQ Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	340	-	383162 397768
217	**Contemporary Trade Directory Entries** Name: Blue Print Reprographics Location: 27-29, King Street West, Manchester, M3 2PN Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	351	-	383511 398361
217	**Contemporary Trade Directory Entries** Name: Simply Nails Location: 38, King Street West, Manchester, Lancashire, M3 2WZ Classification: Shop Fittings Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	355	-	383538 398330
217	**Contemporary Trade Directory Entries** Name: Samson Hosiery Ltd Location: Reedham House,31 King Street West, Manchester, Greater Manchester, M3 2PJ Classification: Lingerie & Hosiery Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	365	-	383517 398375
217	**Contemporary Trade Directory Entries** Name: Entwistle Group L T D Location: Reedham House, 31, King Street West, Manchester, M3 2PN Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	365	-	383517 398375

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
217	**Contemporary Trade Directory Entries** Name: K B Cleaning Location: 31-33 King Street West, Manchester, M3 2PN Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	365	-	383518 398374
217	**Contemporary Trade Directory Entries** Name: Toye Kenning & Spencer Ltd Location: Reedham House, 31, King Street West, Manchester, M3 2PJ Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	366	-	383518 398375
218	**Contemporary Trade Directory Entries** Name: City Auto Service (Manchester) Location: 15, New Bailey Street, Salford, M3 5FS Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	355	-	383221 398516
219	**Contemporary Trade Directory Entries** Name: K2 Legal Support Location: Castlefield House, Liverpool Road, Manchester, M3 4SB Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	359	-	383334 397766
219	**Contemporary Trade Directory Entries** Name: N U Oil & Gas Location: Fifth Floor, Castlefield House, Liverpool Road, Manchester, M3 4SB Classification: Oil & Gas Exploration Supplies & Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	359	-	383333 397766
220	**Contemporary Trade Directory Entries** Name: Atlantis Piccadilly Laundry Services Location: 121 Woollam Pl, Manchester, M3 4JJ Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	361	-	382968 397836
221	**Contemporary Trade Directory Entries** Name: Atlantis Location: 121, Water Street, Manchester, M3 4JU Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	361	-	382909 397904
222	**Contemporary Trade Directory Entries** Name: Buildings 2 Clean Location: 237-239, Deansgate, Manchester, M3 4EN Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	363	-	383521 397891
223	**Contemporary Trade Directory Entries** Name: M & M Office Cleaning Services Ltd Location: Grampian House, 144, Deansgate, Manchester, M3 3EE Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	373	-	383603 398234
223	**Contemporary Trade Directory Entries** Name: Mbnk Ltd Location: 123, Deansgate, Manchester, M3 2BY Classification: Cookers - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	405	-	383642 398209
223	**Contemporary Trade Directory Entries** Name: Pharma Karma Location: 123, Deansgate, Manchester, M3 2BY Classification: Pharmaceutical Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	405	-	383642 398209
224	**Contemporary Trade Directory Entries** Name: Bikybiky Ltd Location: Centurion House,129 Deansgate, Manchester, Greater Manchester, M3 3WR Classification: Cycle Accessories, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	392	-	383636 398148

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
224	**Contemporary Trade Directory Entries** Name: Premier Media Solutions Location: Centurion House,129 Deansgate, Manchester, Greater Manchester, M3 3WR Classification: Computer Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	392	-	383636 398148
225	**Contemporary Trade Directory Entries** Name: Rimo Designs Location: 269-273, Deansgate, Manchester, M3 4EW Classification: Carpets & Rugs - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	416	-	383484 397787
225	**Contemporary Trade Directory Entries** Name: Bright & Beautiful Location: Great Northern Warehouse, 275, Deansgate, Manchester, M3 4EL Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	427	-	383478 397769
225	**Contemporary Trade Directory Entries** Name: Docutech Solutions Location: Great Northern Warehouse, 275, Deansgate, Manchester, M3 4EL Classification: Photographic Equipment Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	427	-	383478 397769
225	**Contemporary Trade Directory Entries** Name: Studio Macs Location: Great Northern Warehouse, 275, Deansgate, Manchester, M3 4EL Classification: Electrical Heating Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	427	-	383478 397769
225	**Contemporary Trade Directory Entries** Name: Scrap Car Now Today Cash Manchester Location: Great Northern Warehouse, 275, Deansgate, Manchester, M3 4EL Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	427	-	383478 397769
225	**Contemporary Trade Directory Entries** Name: Cushy Living Location: Unit 24 275, Manchester, Lancashire, M3 4EL Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8NE (SE)	427	-	383478 397769
225	**Contemporary Trade Directory Entries** Name: Freez Drinks Location: Great Northern Warehouse, 275, Deansgate, Manchester, Lancashire, M3 4EL Classification: Soft Drinks - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	427	-	383478 397769
225	**Contemporary Trade Directory Entries** Name: Bright & Beautiful Location: Box 106,275 Deansgate, Manchester, Greater Manchester, M3 4EL Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A8NE (SE)	427	-	383478 397769
225	**Contemporary Trade Directory Entries** Name: Isovitality Nutriceuticals Ltd Location: Great Northern Warehouse, 275, Deansgate, Manchester, M3 4EL Classification: Food Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	427	-	383477 397768
225	**Contemporary Trade Directory Entries** Name: Timberwise Uk Ltd Location: Great Northern Warehouse, 275, Deansgate, Manchester, M3 4EL Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	427	-	383477 397768

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
225	**Contemporary Trade Directory Entries** Name: Accountancy & Payroll Services Location: Great Northern Warehouse, 275, Deansgate, Manchester, Lancashire, M3 4EL Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	427	-	383478 397769
225	**Contemporary Trade Directory Entries** Name: Automation Providers Location: Great Northern Warehouse, 275, Deansgate, Manchester, Lancashire, M3 4EW Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	427	-	383478 397769
225	**Contemporary Trade Directory Entries** Name: Dalton Automation Ltd Location: Great Northern Warehouse, 275, Deansgate, Manchester, Lancashire, M3 4EL Classification: Automation Systems & Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	427	-	383478 397769
225	**Contemporary Trade Directory Entries** Name: Docutech Solutions Ltd Location: Great Northern Warehouse, 275, Deansgate, Manchester, M3 4EL Classification: Photocopiers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	427	-	383478 397769
226	**Contemporary Trade Directory Entries** Name: Colloides Naturels Ltd Location: 121 Deansgate, Manchester, M3 2BW Classification: Food Colouring, Flavouring & Additive Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	417	-	383650 398230
226	**Contemporary Trade Directory Entries** Name: Apollo Blinds Location: 9, John Dalton Street, Manchester, M2 6FW Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	456	-	383683 398258
226	**Contemporary Trade Directory Entries** Name: Klick Location: 103 Deansgate, Manchester, Lancashire, M3 2BQ Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	459	-	383672 398298
226	**Contemporary Trade Directory Entries** Name: The Flight Centre Location: 103 Deansgate, Manchester, Lancashire, M3 2BQ Classification: Airports **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	459	-	383672 398298
226	**Contemporary Trade Directory Entries** Name: Scavolini Store Location: 19 John Dalton St, Manchester, Lancashire, M2 6FW Classification: Kitchen Furniture Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	483	-	383713 398248
226	**Contemporary Trade Directory Entries** Name: Advanced Photo Location: 25, John Dalton Street, Manchester, M2 6FW Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	488	-	383719 398245
227	**Contemporary Trade Directory Entries** Name: C B I Location: Cardinal House, 20, St. Marys Parsonage, Manchester, M3 2LY Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	426	-	383531 398454

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
227	**Contemporary Trade Directory Entries** Name: The Bedding Company Location: Cardinal House, 20, St. Marys Parsonage, Manchester, M3 2LG Classification: Bed & Mattress Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	426	-	383531 398454
228	**Contemporary Trade Directory Entries** Name: Scrap My Car Now For Money Manchester Kws Location: Croxley House, Manchester, Lancashire, M2 5ND Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	426	-	383667 398074
228	**Contemporary Trade Directory Entries** Name: The Leaflet Company Location: Manchester, M2 5ND Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	426	-	383667 398074
229	**Contemporary Trade Directory Entries** Name: John Roberts Location: Chapel House, 172, Chapel Street, Salford, M3 6BG Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	438	-	383089 398577
229	**Contemporary Trade Directory Entries** Name: Printing.Com Location: 2, City Point, 156, Chapel Street, Salford, Lancashire, M3 6BF Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SW (N)	464	-	383064 398596
229	**Contemporary Trade Directory Entries** Name: M C W Plant Location: City Point,156 Chapel St, Salford, Lancashire, M3 6ET Classification: Plant & Machinery Repairs **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	464	-	383064 398596
230	**Contemporary Trade Directory Entries** Name: Recycle Nw Location: Fourth Floor,Brazennose House, Brazennose Street, Manchester, Lancashire, M2 5AS Classification: Office Furniture & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	440	-	383683 398174
230	**Contemporary Trade Directory Entries** Name: Instadrinks Ltd Location: Ridgefield House, 14, John Dalton Street, Manchester, Lancashire, M2 6JR Classification: Vending Machine Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	465	-	383705 398200
230	**Contemporary Trade Directory Entries** Name: Commercial Facilities Location: Ridgefield House, 14, John Dalton Street, Manchester, Lancashire, M2 6JR Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	465	-	383705 398200
231	**Contemporary Trade Directory Entries** Name: Kinnarps (Uk) Ltd Location: Colchester House, 38-40, Peter Street, Manchester, M2 5GP Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	443	-	383644 397937
231	**Contemporary Trade Directory Entries** Name: R M R I Ltd Location: 44, Peter Street, Manchester, Lancashire, M2 5GP Classification: Materials Handling Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	461	-	383661 397930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
232	**Contemporary Trade Directory Entries** Name: Manchester City Clean Location: Apartment 710, Fresh, 138, Chapel Street, Salford, M3 6DE Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	447	-	383235 398607
232	**Contemporary Trade Directory Entries** Name: Bridgewater Ales Location: 142, Chapel Street, Salford, M3 6AF Classification: Brewers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	450	-	383192 398610
233	**Contemporary Trade Directory Entries** Name: E E Chrisp Location: 6, Southern Street, Manchester, M3 4WP Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	447	-	383368 397686
233	**Contemporary Trade Directory Entries** Name: Holt Springs (Manchester) Ltd Location: 16, Bridgewater Street, Manchester, M3 4NH Classification: Spring Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	469	-	383347 397656
234	**Contemporary Trade Directory Entries** Name: Spray Shop Supplies Location: 2a, New Elm Road, Manchester, M3 4JH Classification: Car Paint & Lacquer Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	447	-	382914 397769
235	**Contemporary Trade Directory Entries** Name: Autopaint International Location: 293, Deansgate, Manchester, M3 4EW Classification: Car Painters & Sprayers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	462	-	383458 397713
236	**Contemporary Trade Directory Entries** Name: Clifton Eyewear Ltd Location: 1, St. Stephen Street, Salford, M3 6AY Classification: Optical Goods - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	474	-	382971 398563
237	**Contemporary Trade Directory Entries** Name: Boda Skins Location: Lloyds House, 18-22, Lloyd Street, Manchester, M2 5WA Classification: Leather Garments & Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	479	-	383718 398054
237	**Contemporary Trade Directory Entries** Name: Manchester Chemicals & Pigments Ltd Location: Lloyds House, 18-22, Lloyd Street, Manchester, Lancashire, M2 5WA Classification: Chemicals - Distributors & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SW (E)	479	-	383718 398054
238	**Contemporary Trade Directory Entries** Name: A Kenny Asphalt Ltd Location: Unit 4, The Cottages, Deva Centre, Trinity Way, Salford, Lancashire, M3 7BE Classification: Asphalt & Coated Macadam Laying Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	495	-	383242 398655
238	**Contemporary Trade Directory Entries** Name: E B Office Interiors Ltd Location: Unit 4/A, The Cottages, Deva Centre, Trinity Way, Salford, M3 7BE Classification: Office Furniture & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	495	-	383242 398655
239	**Contemporary Trade Directory Entries** Name: Pallets Wanted Location: Mancentral Indust Est,47c East Ordsall La, Salford, Lancashire, M5 4RW Classification: Pallets, Crates & Packing Cases **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	504	-	382692 398216

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
240	**Contemporary Trade Directory Entries** Name: Great Man Beer Location: Castlefield, Manchester, Greater Manchester, M3 4BB Classification: Brewers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A8NW (SW)	517	-	382962 397651
241	**Contemporary Trade Directory Entries** Name: Robins & Day Location: Unit 3, Manchester Industrial Centre, Water Street, Manchester, Lancashire, M3 4JW Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	518	-	382841 397739
242	**Contemporary Trade Directory Entries** Name: William Street Motors Location: 32, William Street, Salford, M3 6AU Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	519	-	383085 398660
243	**Contemporary Trade Directory Entries** Name: Gliptone Leather Care Location: 5, Bridgewater Street, Manchester, M3 4NH Classification: Leather Products - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	519	-	383381 397613
244	**Contemporary Trade Directory Entries** Name: Pure Music Manufacturing Ltd Location: Bexley Chambers, 1, Bexley Square, Salford, M3 6DB Classification: Record, Tape & CD Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	525	-	382882 398562
245	**Contemporary Trade Directory Entries** Name: Down Under Location: 47, Peter Street, Manchester, Lancashire, M2 3NG Classification: Abattoirs **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SW (E)	525	-	383742 397958
245	**Contemporary Trade Directory Entries** Name: Strong Mechanical Services Location: Peter St, Manchester, Lancashire, M2 3NQ Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	561	-	383770 397932
246	**Contemporary Trade Directory Entries** Name: Tanzo Passenger Services Ltd Location: 34-36, King Street, Manchester, M2 6AZ Classification: Bus & Coach Operators & Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	528	-	383747 398292
247	**Contemporary Trade Directory Entries** Name: Duffy Motors Manchester Ltd Location: Arch 16-17, Watson Street, Manchester, M3 4LP Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	530	-	383562 397703
247	**Contemporary Trade Directory Entries** Name: Manchester Radiator Co Ltd Location: Arch 19, Watson Street, Manchester, M3 4LP Classification: Car Radiator Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	546	-	383561 397683
248	**Contemporary Trade Directory Entries** Name: Pro2col Location: 101-115, Chapel Street, Salford, M3 5DN Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	533	-	383445 398645

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
248	**Contemporary Trade Directory Entries** Name: Silk Thomas Made To Measure Shirts Location: Caxton Hall, 88-92, Chapel Street, Salford, Lancashire, M3 5DW Classification: Shirt Makers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	563	-	383423 398686
248	**Contemporary Trade Directory Entries** Name: The Graphics Location: Caxton Hall, 88-92, Chapel Street, Salford, Lancashire, M3 5DW Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	563	-	383423 398686
249	**Contemporary Trade Directory Entries** Name: Davidson Powell Design Location: 40, John Dalton Street, Manchester, M2 6LE Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	539	-	383781 398190
250	**Contemporary Trade Directory Entries** Name: Scrap My Car Now For Money Manchester Kws Location: Lawrence Buildings, Manchester, Lancashire, M2 5WQ Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	540	-	383774 398020
251	**Contemporary Trade Directory Entries** Name: James & Taylor Ltd Location: Eastagte, 2, Castle Street, Manchester, M3 4LZ Classification: Cladding Suppliers & Installers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	550	-	383235 397554
252	**Contemporary Trade Directory Entries** Name: Arletti Ltd Location: Grafton Works, Oldham Street, Salford, Lancashire, M5 4NN Classification: Tool Design, Manufacturers & Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	559	-	382636 398059
253	**Contemporary Trade Directory Entries** Name: Smart Alex Location: 16, Barlow's Croft, Salford, M3 5DY Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	565	-	383505 398649
253	**Contemporary Trade Directory Entries** Name: Glyns Collections Location: Conavon Court, 12, Blackfriars Street, Salford, M3 5BQ Classification: Leather Garments & Products **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	605	-	383567 398657
253	**Contemporary Trade Directory Entries** Name: Spi Materials Ltd Location: Conavon Court, 12, Blackfriars Street, Salford, Lancashire, M3 5PP Classification: Tungsten Tool Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	605	-	383567 398657
253	**Contemporary Trade Directory Entries** Name: I A S Trading Location: Conavon Court, 12, Blackfriars Street, Salford, Lancashire, M3 5BQ Classification: Computer Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	605	-	383567 398657
253	**Contemporary Trade Directory Entries** Name: Capsule Location: Hilton House 71-73, Chapel Street, Salford, M3 5BZ Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	606	-	383530 398682
253	**Contemporary Trade Directory Entries** Name: Manchester Executive Cleaners Ltd Location: Hilton House, 71-73, Chapel Street, Salford, M3 5BZ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	606	-	383530 398682

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
253	**Contemporary Trade Directory Entries** Name: Koot Ltd Location: Hilton House,71-73 Chapel St, Salford, Lancashire, M3 5BZ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	606	-	383530 398682
254	**Contemporary Trade Directory Entries** Name: Egerton Narrow Boat Ltd Location: The Arches Boatyard, Potato Wharf, Manchester, M3 4NB Classification: Boatbuilders & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A8NW (SW)	578	-	382932 397597
255	**Contemporary Trade Directory Entries** Name: Thomas Pink Location: 58, King Street, Manchester, M2 4LY Classification: Shirt Makers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	580	-	383803 398286
255	**Contemporary Trade Directory Entries** Name: Jonathan Kaye Location: Third Floor, James Binney House, 52, Cross Street, Manchester, M2 7AR Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	612	-	383826 398323
255	**Contemporary Trade Directory Entries** Name: Now Time Location: James Binney House, 52, Cross Street, Manchester, M2 7AR Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	612	-	383826 398323
255	**Contemporary Trade Directory Entries** Name: Pure Beauty Location: 49, King Street, Manchester, Lancashire, M2 7AY Classification: Toiletries **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	614	-	383832 398310
255	**Contemporary Trade Directory Entries** Name: Harrisons Cleaning Specialists Location: National House, 36, St. Ann Street, Manchester, M60 8HF Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	630	-	383838 398343
256	**Contemporary Trade Directory Entries** Name: M G Trading Castlefield Location: Flat 1, Ship Canal House, 25, Slate Wharf, Manchester, M15 4SX Classification: Toiletries **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	580	-	383027 397554
257	**Contemporary Trade Directory Entries** Name: B M Tec Location: 87-88 Cross Street, Salford, Greater Manchester, M3 7AX Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	581	-	383381 398719
258	**Contemporary Trade Directory Entries** Name: Harrison Cleaning Specialists Location: ST ANNES STREET, Manchester, Lancashire, M60 6AQ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	582	-	383774 398373
258	**Contemporary Trade Directory Entries** Name: Currys Digital Location: 22, St. Anns Square, Manchester, M2 7JB Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	588	-	383764 398406
258	**Contemporary Trade Directory Entries** Name: Sandys (Uk) Ltd Location: 6, St. Anns Square, Manchester, M2 7HN Classification: Sports Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	617	-	383772 398452

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
259	**Contemporary Trade Directory Entries** Name: Stratstone Saab Location: Unit 5, Manchester Industrial Centre, Water Street, Manchester, M3 4JW Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	590	-	382797 397682
259	**Contemporary Trade Directory Entries** Name: E A P International Ltd Location: Unit 6, Manchester Industrial Centre, Water Street, Manchester, Lancashire, M3 4JW Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	628	-	382793 397634
259	**Contemporary Trade Directory Entries** Name: Robins & Day Location: Unit 6, Manchester Industrial Centre, Water Street, Manchester, M3 4JW Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	628	-	382793 397634
260	**Contemporary Trade Directory Entries** Name: Glyns Collections Location: 26, Blackfriars Street, Salford, M3 5BQ Classification: Furriers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	591	-	383602 398613
260	**Contemporary Trade Directory Entries** Name: Bullen Healthcare Group Location: 26, Blackfriars Street, Salford, M3 5BQ Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	591	-	383602 398613
261	**Contemporary Trade Directory Entries** Name: Colloides Naturels (Uk) Ltd Location: Regency Court, 62-66, Deansgate, Manchester, Lancashire, M3 2EN Classification: Food Colouring, Flavouring & Additive Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	597	-	383716 398497
261	**Contemporary Trade Directory Entries** Name: A K A Bespoke Jewellers Location: 61-63, Barton Arcade, Manchester, M3 2BJ Classification: Jewellery Manufacturers & Repairers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	604	-	383747 398465
262	**Contemporary Trade Directory Entries** Name: Johnsons Cleaners Location: 61, Cross Street, Manchester, M2 4JW Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	600	-	383842 398188
262	**Contemporary Trade Directory Entries** Name: Max Spielmann Location: 59a, Cross Street, Manchester, Lancashire, M2 4JW Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	604	-	383845 398194
262	**Contemporary Trade Directory Entries** Name: Cannon Electrical Contractors (Manchester) Ltd Location: 8, Clarence Street, Manchester, M2 4DW Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	629	-	383872 398182
262	**Contemporary Trade Directory Entries** Name: Inpeto Ltd Location: Northern Assurance Building, 9-21, Princess Street, Manchester, Lancashire, M2 4DN Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	629	-	383872 398182

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
263	**Contemporary Trade Directory Entries** Name: Ace Decor Ltd Location: Unit 4, Regent Trading Estate, Oldfield Road, Salford, M5 4DE Classification: Painting & Decorating Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	612	-	382606 398318
264	**Contemporary Trade Directory Entries** Name: Paul Moy Associates Location: Unit 5, Brewery Yard, Deva Centre, Trinity Way, Salford, M3 7BB Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	616	-	383322 398768
265	**Contemporary Trade Directory Entries** Name: One69a Location: Islington Mill, James Street, Salford, M3 5HW Classification: Screen Process Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	620	-	382620 398380
266	**Contemporary Trade Directory Entries** Name: Manchester City Council Location: Town Hall, Albert Square, Manchester, Lancashire, M2 5DB Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	623	-	383867 398089
267	**Contemporary Trade Directory Entries** Name: Bauer Millett & Co Ltd Location: Lawrence House, 8, Albion Street, Manchester, M1 5NZ Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	625	-	383592 397607
267	**Contemporary Trade Directory Entries** Name: Grand Central Autos Location: 19 Trafford St, Manchester, M1 5LH Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	660	-	383608 397575
268	**Contemporary Trade Directory Entries** Name: M P L G Ltd Location: Solmar House, 2, Cross Street, Salford, M3 7AX Classification: Bags, Belts & Accessories - Manufacturers & Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	627	-	383414 398757
268	**Contemporary Trade Directory Entries** Name: A Everall Location: 3, Blackfriars Road, Salford, M3 7AG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	646	-	383462 398760
268	**Contemporary Trade Directory Entries** Name: Valentine Bags Ltd Location: 7-9, Blackfriars Road, Salford, M3 7AG Classification: Leather Garments & Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	657	-	383442 398779
269	**Contemporary Trade Directory Entries** Name: The Offices North West Ltd Location: 46, Barton Arcade, Manchester, M3 2BH Classification: Office Equipment Servicing & Maintenance **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	629	-	383768 398478
269	**Contemporary Trade Directory Entries** Name: Rollerblinds Ltd Location: 46, Barton Arcade, Manchester, M3 2BH Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	629	-	383768 398478
270	**Contemporary Trade Directory Entries** Name: Amek Systems & Controls Ltd Location: Regent Trading Estate, Oldfield Road, Salford, M5 4DE Classification: Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A12NE (W)	638	-	382581 398324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
270	**Contemporary Trade Directory Entries** Name: J Cash Metals Ltd Location: Unit 2-3, Regent Trading Estate, Oldfield Road, Salford, M5 4DE Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	676	-	382540 398322
271	**Contemporary Trade Directory Entries** Name: Hanson Concrete Location: Potato Wharf, Manchester, M3 4NB Classification: Concrete Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	641	-	382836 397584
272	**Contemporary Trade Directory Entries** Name: New Brush Cleaning Services Location: Manchester, Greater Manchester, M2 4nh Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	643	-	383877 398248
272	**Contemporary Trade Directory Entries** Name: Alex Atkinson-Fletcher Ltd Location: 76 King Street, Manchester, Greater Manchester, M2 4NH Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	643	-	383877 398248
272	**Contemporary Trade Directory Entries** Name: Wardell Armstrong Llp Location: 76 King Street, Manchester, Greater Manchester, M2 4NH Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	643	-	383877 398248
272	**Contemporary Trade Directory Entries** Name: Wsc Cleaning Location: 82 King St, Manchester, Lancashire, M2 4WQ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	690	-	383923 398256
272	**Contemporary Trade Directory Entries** Name: Firemart Location: 82, King Street, Manchester, M2 4WQ Classification: Firefighting Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	690	-	383923 398256
272	**Contemporary Trade Directory Entries** Name: Mxm Location: 82, King Street, Manchester, Lancashire, M2 4WQ Classification: Medical Equipment Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	690	-	383923 398256
272	**Contemporary Trade Directory Entries** Name: Direct Service Solutions Location: Manchester, Greater Manchester, M2 4lq Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	704	-	383928 398300
273	**Contemporary Trade Directory Entries** Name: Access Pest Control Location: 16, Peter Street, Manchester, M60 2DS Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	651	-	383833 397848
274	**Contemporary Trade Directory Entries** Name: Secure Data Recycling Ltd Location: Alex House 260-268, Chapel Street, Salford, M3 5JZ Classification: Recycling Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	660	-	382687 398563
274	**Contemporary Trade Directory Entries** Name: Eurofabs Uk Ltd Location: Alex House 260-268, Chapel Street, Salford, M3 5JZ Classification: Sheet Metal Work **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	660	-	382687 398563

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
274	**Contemporary Trade Directory Entries** Name: Boniecki Motors Location: 272-280, Chapel Street, Salford, M3 5JZ Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	671	-	382670 398560
275	**Contemporary Trade Directory Entries** Name: Greengate Motors Location: 57, Middlewood Street, Salford, M5 4RF Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	660	-	382534 398063
276	**Contemporary Trade Directory Entries** Name: Anexsys Location: 4, Whitworth Street West, Manchester, M1 5WY Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	665	-	383532 397520
276	**Contemporary Trade Directory Entries** Name: Hobs Legal Docs Location: 4, Whitworth Street West, Manchester, M1 5WY Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	666	-	383532 397520
276	**Contemporary Trade Directory Entries** Name: G T Autos Location: 88, Hewitt Street, MANCHESTER, M15 4GB Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	666	-	383505 397506
277	**Contemporary Trade Directory Entries** Name: Brayziers Technical Tubes Ltd Location: Ferguson House, 11, Blackfriars Road, Salford, Lancashire, M3 7AG Classification: Engineers - General **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	672	-	383411 398805
277	**Contemporary Trade Directory Entries** Name: Samuel Bruce Location: 21, Blackfriars Road, Salford, M3 7AQ Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	677	-	383396 398814
278	**Contemporary Trade Directory Entries** Name: Molton Brown Location: 7, St. Anns Square, Manchester, M2 7EF Classification: Homefurnishings - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	674	-	383842 398442
279	**Contemporary Trade Directory Entries** Name: John C Hewitt Location: Hewitt Street, Manchester, M15 4GB Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	675	-	383462 397477
279	**Contemporary Trade Directory Entries** Name: Texco Location: 10, Little Peter Street, Manchester, Lancashire, M15 4PS Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	698	-	383457 397450
279	**Contemporary Trade Directory Entries** Name: G & M Fabrics Location: Symco House,Little Peter St, Manchester, M15 4PS Classification: Pattern Makers - Paper **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	703	-	383493 397460
280	**Contemporary Trade Directory Entries** Name: Frank Rostron Location: 39, Princess Street, Manchester, M2 4FN Classification: Shirt Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	679	-	383924 398130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
280	**Contemporary Trade Directory Entries** Name: Cheshire Shirtmakers Ltd Location: 39, Princess Street, Manchester, Lancashire, M2 4FN Classification: Shirt Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	679	-	383924 398130
280	**Contemporary Trade Directory Entries** Name: Nisbets Location: 12 Booth Street, Manchester, Greater Manchester, M2 4AW Classification: Catering Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	726	-	383971 398140
281	**Contemporary Trade Directory Entries** Name: Ramboll Location: Kings Court, 2-4, Exchange Street, Manchester, M2 7HA Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	679	-	383813 398501
282	**Contemporary Trade Directory Entries** Name: Lexcorp Group Location: 31 Blackfriars Rd, Salford, Lancashire, M3 7AQ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	681	-	383364 398826
283	**Contemporary Trade Directory Entries** Name: Dale Garages Location: 45-47, Oldfield Road, Salford, M5 4NE Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	683	-	382555 398388
283	**Contemporary Trade Directory Entries** Name: Total Location: 45-47, Oldfield Road, Salford, M5 4NE Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	683	-	382555 398388
284	**Contemporary Trade Directory Entries** Name: George Ellis & Sons Ltd Location: 54-60, Chapel Street, Salford, M3 7AA Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	684	-	383591 398736
284	**Contemporary Trade Directory Entries** Name: Atlas Office Equipment Ltd Location: 52, Chapel Street, Salford, Lancashire, M3 7AA Classification: Seating Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	684	-	383591 398736
284	**Contemporary Trade Directory Entries** Name: George Ellis & Sons Ltd Location: 54-60, Chapel Street, Salford, M3 7AA Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	684	-	383591 398736
285	**Contemporary Trade Directory Entries** Name: Renault Service Centre Location: 56, Bury Street, Salford, M3 7DA Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	685	-	383232 398846
285	**Contemporary Trade Directory Entries** Name: Frank Pine Location: 1, Crown Street, Salford, M3 7DH Classification: Knitting Yarn Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	706	-	383268 398865
286	**Contemporary Trade Directory Entries** Name: Hulley & Kirkwood Consulting Engineers Location: 2, Commercial Street, Manchester, M15 4RQ Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	687	-	383389 397440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
287	**Contemporary Trade Directory Entries** Name: E F G Matthews Office Furniture Ltd Location: Albion Street, Manchester, M1 5LL Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	692	-	383661 397574
287	**Contemporary Trade Directory Entries** Name: Simon & Simon Location: Lock 90,Trumpet Street, Manchester, Greater Manchester, M1 5LW Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	706	-	383683 397574
288	**Contemporary Trade Directory Entries** Name: A Wise Move Waste Location: Unit 4 Allwood St, Salford, Lancashire, M5 4GL Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	696	-	382502 398246
289	**Contemporary Trade Directory Entries** Name: Office World Location: Regents Park, Ordsall Lane, Salford, Lancashire, M5 3TP Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	710	-	382507 397938
289	**Contemporary Trade Directory Entries** Name: Office World Location: Regents Park, Ordsall Lane, Salford, Lancashire, M5 3TP Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	710	-	382507 397938
290	**Contemporary Trade Directory Entries** Name: Penhaligons Location: Royal Exchange, Manchester, M2 7TT Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	724	-	383872 398491
290	**Contemporary Trade Directory Entries** Name: The Antique Fireplace Location: Royal Exchange Shopping Centre, Manchester, Lancashire, M2 7DB Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	727	-	383866 398508
291	**Contemporary Trade Directory Entries** Name: M G S Location: Blackfriars Rd, Salford, Lancashire, M3 7AQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	729	-	383320 398883
292	**Contemporary Trade Directory Entries** Name: Arnold Clark Location: Blackfriars Road, Salford, M3 7AP Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	730	-	383411 398865
293	**Contemporary Trade Directory Entries** Name: Steelcase Solutions Location: 12, Booth Street, Manchester, M2 4AW Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	731	-	383975 398145
294	**Contemporary Trade Directory Entries** Name: Lee'S Motors Location: New Kings Head Yard,Chapel St, Salford, Lancashire, M3 7AA Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	732	-	383644 398758
294	**Contemporary Trade Directory Entries** Name: Rayners Autocraft Location: 15c Chapel St, Salford, Lancashire, M3 7AA Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	748	-	383679 398752

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
295	**Contemporary Trade Directory Entries** Name: Pest Solutions Ltd Location: Peter House,Oxford Street, Manchester, Greater Manchester, M1 5AN Classification: Pest & Vermin Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	735	-	383924 397846
295	**Contemporary Trade Directory Entries** Name: Scrap Yard In Manchester Htt Location: Peter House, Oxford Street, Manchester, M1 5AN Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	735	-	383924 397846
295	**Contemporary Trade Directory Entries** Name: Douglas Fir Ltd Location: Peter House, Oxford Street, Manchester, M1 5AN Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	735	-	383924 397846
295	**Contemporary Trade Directory Entries** Name: Cas Hire Location: Peter House, Oxford Street, Manchester, M1 5AN Classification: Air Conditioning Equipment & Systems **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	735	-	383924 397846
295	**Contemporary Trade Directory Entries** Name: Twistfix Location: Peter House, Oxford Street, Manchester, M1 5AN Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	736	-	383925 397847
295	**Contemporary Trade Directory Entries** Name: Joe Scrapping In Manchester Location: Peter House, Oxford Street, Manchester, M1 5AN Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	736	-	383925 397847
295	**Contemporary Trade Directory Entries** Name: Laundry Shop Location: Peter House, Oxford Street, Manchester, Lancashire, M1 5AN Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	736	-	383925 397847
295	**Contemporary Trade Directory Entries** Name: Energy Feat Location: Peter House, Oxford Street, Manchester, M1 5AN Classification: Energy Efficient Products and Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	736	-	383925 397847
295	**Contemporary Trade Directory Entries** Name: Wise Pharmaceuticals Ltd Location: Oxford House, 16, Oxford Street, Manchester, M1 5AE Classification: Pharmaceutical Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (SE)	771	-	383944 397803
296	**Contemporary Trade Directory Entries** Name: Brenca Metals Ltd Location: Ship Canal House, 98, King Street, Manchester, M2 4WU Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	738	-	383976 398234
296	**Contemporary Trade Directory Entries** Name: Haughton Engineering Services Location: Ship Canal House, 98, King Street, Manchester, Lancashire, M2 4WU Classification: Engineering Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	738	-	383976 398234
296	**Contemporary Trade Directory Entries** Name: Nationwide Fuels Llp Location: Ship Canal House,98 King Street, Manchester, Greater Manchester, M2 4WU Classification: Lubricant Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	739	-	383976 398234

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	**Contemporary Trade Directory Entries** Name: Avon Tyres Ltd Location: 8, Blantyre Street, Manchester, M15 4LH Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	738	-	383021 397391
298	**Contemporary Trade Directory Entries** Name: Tom Garner Location: Chester Road, Manchester, M15 4GA Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	739	-	383280 397369
299	**Contemporary Trade Directory Entries** Name: Windsor Garage Location: 2, Oldfield Road, Salford, M5 4WB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	748	-	382453 398264
300	**Contemporary Trade Directory Entries** Name: J M B Professional Location: Pall Mall Court,61-67 King Street, Manchester, Greater Manchester, M2 4PD Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	751	-	383979 398287
301	**Contemporary Trade Directory Entries** Name: Whitecliffs Group Location: 61-63, Brown Street, Manchester, Lancashire, M2 2JG Classification: Electrolysis **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	752	-	383995 398172
301	**Contemporary Trade Directory Entries** Name: Tetra Pak Business Services Ltd Location: The Chancery,58 Spring Gdns, Manchester, M2 1EW Classification: Boxes & Cartons **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	768	-	384010 398190
302	**Contemporary Trade Directory Entries** Name: C G (Europe) Ltd Location: Enterprise House, 15, Whitworth Street West, Manchester, Lancashire, M1 5WG Classification: China & Glassware Manufacturers & Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	767	-	383721 397526
303	**Contemporary Trade Directory Entries** Name: Spamedica Location: Unit 2 Citygate Central,Blantyre Street, Manchester, Greater Manchester, M15 4SQ Classification: Hospitals **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	769	-	382924 397390
304	**Contemporary Trade Directory Entries** Name: P & A Autobodies Location: 49-51 Queen St, Salford, Lancashire, M3 7DQ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NE (N)	773	-	383365 398920
304	**Contemporary Trade Directory Entries** Name: A C Body Services Location: 49, Queen Street, Salford, M3 7DQ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	774	-	383365 398921
304	**Contemporary Trade Directory Entries** Name: Queen Street Motors Location: 49, Queen Street, SALFORD, M3 7DQ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	774	-	383365 398921

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
305	**Contemporary Trade Directory Entries** Name: Easy Cars Location: 5, Hulme Street, Salford, Lancashire, M5 4PX Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	774	-	382470 398420
306	**Contemporary Trade Directory Entries** Name: Max Spielmann Location: Uk12,Marsden Way South, Manchester, Lancashire, M4 3AT Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	782	-	383931 398506
307	**Contemporary Trade Directory Entries** Name: Manchester Pest Control Location: 14, Commercial Street, Manchester, M15 4PZ Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	786	-	383460 397358
307	**Contemporary Trade Directory Entries** Name: Pest Control Manchester Location: 14, Commercial Street, Manchester, M15 4PZ Classification: Pest & Vermin Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	788	-	383497 397369
307	**Contemporary Trade Directory Entries** Name: Everything Mirror Location: 14, Commercial Street, Manchester, M15 4PZ Classification: Mirrors & Decorative Glass **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	788	-	383497 397369
308	**Contemporary Trade Directory Entries** Name: Pressed & Polished Location: The Fusion,Middlewood Street, Salford, Lancashire, M5 4LW Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	788	-	382403 398088
309	**Contemporary Trade Directory Entries** Name: Anywaste Uk Location: St. James Court, 30, Brown Street, Manchester, M2 1DH Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	799	-	384013 398350
309	**Contemporary Trade Directory Entries** Name: Wastelift Location: St. James Court, 30, Brown Street, Manchester, M2 1DH Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	799	-	384013 398350
309	**Contemporary Trade Directory Entries** Name: M60 Rescue & Recovery Location: 406 St James Ct,Brown St, Manchester, Lancashire, M2 2JG Classification: Commercial Vehicle Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	809	-	384026 398341
309	**Contemporary Trade Directory Entries** Name: Octapharma Location: The Zenith Building, 26, Spring Gardens, Manchester, Lancashire, M2 1AB Classification: Pharmaceutical Manufacturers & Distributors **Status: Active** Positional Accuracy: Manually positioned to the address or location	A14NE (E)	840	-	384054 398354
309	**Contemporary Trade Directory Entries** Name: Calvin Assett Management Ltd Location: 19 Spring Gdns, Manchester, Lancashire, M2 1FB Classification: Meter Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	868	-	384088 398334
309	**Contemporary Trade Directory Entries** Name: Universal Utilities Location: Third Floor, Tootal House, 19-21, Spring Gardens, Manchester, M2 1FB Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	872	-	384093 398331

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
310	**Contemporary Trade Directory Entries** Name: Concept Automotive Services Ltd Location: Upper Wharfe St, Salford, Lancashire, M5 4PQ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	800	-	382420 398354
311	**Contemporary Trade Directory Entries** Name: Aaa Office Emporium Location: Pryme Works, Silvercroft Street, Manchester, M15 4WG Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	803	-	383117 397307
312	**Contemporary Trade Directory Entries** Name: All Vaux Location: Unit 4,Norton St, Salford, Lancashire, M3 7NW Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	806	-	383604 398870
312	**Contemporary Trade Directory Entries** Name: Bruntwood Wrought Iron Location: Unit 5 Norton St, Salford, Lancashire, M3 7NW Classification: Gate Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	812	-	383612 398872
312	**Contemporary Trade Directory Entries** Name: Salford Diesel Services Location: Unit 2, Norton Street, Salford, M3 7NW Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	817	-	383622 398873
312	**Contemporary Trade Directory Entries** Name: New Pit Stop Garage Location: 1, Norton Street, Salford, Lancashire, M3 7NW Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	817	-	383622 398873
312	**Contemporary Trade Directory Entries** Name: Royal Sun Alliance Insurance N D T Testing Facility Location: Unit 7-8, Norton Street, Salford, M3 7NW Classification: X-Ray Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	817	-	383622 398873
313	**Contemporary Trade Directory Entries** Name: A & B Polishers Location: 65, Blackfriars Road, Salford, M3 7DB Classification: French Polishing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	809	-	383202 398969
314	**Contemporary Trade Directory Entries** Name: Newlock Tool Co Location: Casket Works,Cow La, Salford, Lancashire, M5 4NB Classification: Tool Design, Manufacturers & Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	810	-	382383 398206
315	**Contemporary Trade Directory Entries** Name: The Perfume Shop Location: 9a, Arndale Centre, Manchester, M4 3AB Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	383985 398496
315	**Contemporary Trade Directory Entries** Name: Fragrance Shop Location: 9a, Arndale Centre, Manchester, M4 3AB Classification: Perfume Suppliers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	383985 398496
315	**Contemporary Trade Directory Entries** Name: The Perfume Shop Location: 9a, Arndale Centre, Manchester, M4 3AB Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	383985 398496

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
315	**Contemporary Trade Directory Entries** Name: Klick Location: 27 Market St, Manchester, Lancashire, M1 1WR Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	825	-	383984 398496
315	**Contemporary Trade Directory Entries** Name: Klick Photopoint Location: 27, Market Street, Manchester, Lancashire, M1 1WR Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	826	-	383985 398496
316	**Contemporary Trade Directory Entries** Name: Victoria Ceramics Ltd Location: A, 1, Cleminson Street, Salford, M3 6EJ Classification: Medical & Dental Laboratories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	826	-	382575 398687
317	**Contemporary Trade Directory Entries** Name: Renault Manchester Location: Trinity Way, Salford, M3 7FT Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	827	-	383284 398985
318	**Contemporary Trade Directory Entries** Name: Ops International Ltd Location: Brook House, 64-72, Spring Gardens, Manchester, M2 2BQ Classification: Oil Companies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	827	-	384072 398164
319	**Contemporary Trade Directory Entries** Name: Colour Point (Manchester) Ltd Location: Unit 4, Olympia Trading Estate, Great Jackson Street, Manchester, M15 4NP Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	828	-	383320 397283
319	**Contemporary Trade Directory Entries** Name: Pro2col Imaging Ltd Location: Unit 4, Olympia Trading Estate, Great Jackson Street, Manchester, Lancashire, M15 4NP Classification: Photo & Digital Imaging Bureaus **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	828	-	383320 397283
320	**Contemporary Trade Directory Entries** Name: The Color Co Location: 41, Spring Gardens, Manchester, M2 2BG Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	831	-	384065 398263
320	**Contemporary Trade Directory Entries** Name: The Color Co Location: 41, Spring Gardens, Manchester, M2 2BG Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	831	-	384065 398263
321	**Contemporary Trade Directory Entries** Name: Precast Concrete Structures Location: Oldfield Rd, Salford, Lancashire, M5 4LZ Classification: Concrete Products **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	839	-	382352 398084
321	**Contemporary Trade Directory Entries** Name: Youngs Investment Location: Ivy House,1 Liverpool St, Salford, Lancashire, M5 4LY Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	842	-	382348 398123

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
322	**Contemporary Trade Directory Entries** Name: Multi Metal Stockholders Ltd Location: 7-19, Hulme Street, Salford, M5 4PY Classification: Non-Ferrous Metals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	853	-	382393 398439
323	**Contemporary Trade Directory Entries** Name: Watt Energy Ltd Location: River Pl,City Rd East, Manchester, M15 4PG Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	858	-	383510 397300
324	**Contemporary Trade Directory Entries** Name: Greengate Motors Ltd Location: 57, Canal Street, Salford, M5 4ST Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	858	-	382344 398282
325	**Contemporary Trade Directory Entries** Name: Manchester Radiators Location: St. Georges House, 36, Ellesmere Street, Manchester, M15 4JW Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	861	-	382834 397329
325	**Contemporary Trade Directory Entries** Name: Futura Tech (Uk) Location: St. Georges House, 36, Ellesmere Street, Manchester, M15 4JW Classification: Plastics - Raw Materials **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	861	-	382834 397329
325	**Contemporary Trade Directory Entries** Name: Urban Angel Designs Location: St. Georges House, 36, Ellesmere Street, Manchester, Lancashire, M15 4JW Classification: Stationery Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	861	-	382834 397329
325	**Contemporary Trade Directory Entries** Name: A Bigger Splash (Manchester) Ltd Location: 40, Ellesmere Street, Manchester, M15 4JY Classification: Greeting Card Publishers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	885	-	382787 397327
326	**Contemporary Trade Directory Entries** Name: Prontaprint Location: 71a, Mosley Street, Manchester, M2 3JN Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	861	-	384105 398090
326	**Contemporary Trade Directory Entries** Name: Prontaprint Location: 71a, Mosley Street, Manchester, M2 3JN Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	863	-	384107 398094
326	**Contemporary Trade Directory Entries** Name: C F E S Location: Woolwich House, 61, Mosley Street, Manchester, M2 3HZ Classification: Ventilators & Ventilation Systems **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	873	-	384117 398115
326	**Contemporary Trade Directory Entries** Name: Sofas4u Location: George House, 48, George Street, Manchester, Lancashire, M1 4HF Classification: Furniture - Reproduction **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	897	-	384140 398073
326	**Contemporary Trade Directory Entries** Name: Oakland Fabrics Ltd Location: 44, George Street, Manchester, M1 4HF Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	905	-	384149 398085

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
327	**Contemporary Trade Directory Entries** Name: Duty Free Location: R26-R27, Unit, Marsden Way South, Manchester, Lancashire, M4 3AT Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	861	-	383986 398567
328	**Contemporary Trade Directory Entries** Name: Ludwig Chocolate Ltd Location: 17, Crescent, Salford, M5 4PF Classification: Confectionery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	870	-	382402 398505
329	**Contemporary Trade Directory Entries** Name: We Print Group Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	871	-	384112 398208
329	**Contemporary Trade Directory Entries** Name: Msl Interiors Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	871	-	384112 398208
329	**Contemporary Trade Directory Entries** Name: Fast Carpet Cleaners Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	871	-	384112 398208
329	**Contemporary Trade Directory Entries** Name: Indie Cases Location: Barnett House, Manchester, Lancashire, M2 2AN Classification: Mobile Phone Accessories and Car Kits **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	871	-	384112 398208
329	**Contemporary Trade Directory Entries** Name: Scrap My Car Now For Money Manchester Kws Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	871	-	384112 398208
329	**Contemporary Trade Directory Entries** Name: Urban Icon Location: Barnett House, 53, Fountain Street, Manchester, M2 2AN Classification: Garden & Patio Furniture Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	871	-	384112 398208
329	**Contemporary Trade Directory Entries** Name: Clean Corner Location: 20 York Street, Manchester, Lancashire, M2 3BB Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	883	-	384123 398224
330	**Contemporary Trade Directory Entries** Name: J Cocker Tinsmith Location: Cow Lane, SALFORD, M5 4NB Classification: Sheet Metal Work **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	873	-	382322 398232
330	**Contemporary Trade Directory Entries** Name: Selectric Location: Cow Lane, Salford, M5 4NB Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	873	-	382322 398232
331	**Contemporary Trade Directory Entries** Name: Zed Two Location: 131-133 Portland St, Manchester, Lancashire, M1 4PZ Classification: Toys, Games & Sporting Goods - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	877	-	384027 397732

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
332	**Contemporary Trade Directory Entries** Name: Derwent Industrial Services Ltd Location: Derwent Ho,Derwent St, Salford, Lancashire, M5 4RE Classification: Blast Cleaning **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	882	-	382504 397575
332	**Contemporary Trade Directory Entries** Name: H C Slingsby Plc Location: Unit 1, Derwent Street Trading Estate, Salford, M5 4RE Classification: Machinery - Industrial & Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	883	-	382510 397564
333	**Contemporary Trade Directory Entries** Name: Richard Conrad & Co Ltd Location: 36-38, Fountain Street, Manchester, M2 2BE Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	883	-	384114 398283
334	**Contemporary Trade Directory Entries** Name: Comus Waste Location: 15a Gorton St, Salford, Lancashire, M3 7WN Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	885	-	383676 398920
334	**Contemporary Trade Directory Entries** Name: Upton Auto Body Repairs Location: 15a Gorton St, Salford, Lancashire, M3 7WN Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	888	-	383678 398922
334	**Contemporary Trade Directory Entries** Name: Pitstop Ltd Location: 15a Garton Street, Salford, Greater Manchester, M3 7WN Classification: Car Body Repairs **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	890	-	383680 398923
335	**Contemporary Trade Directory Entries** Name: Auto Trader Ltd Location: 1, Tony Wilson Place, Manchester, M15 4FN Classification: Car Customisation & Conversion Specialists **Status: Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	888	-	383729 397382
335	**Contemporary Trade Directory Entries** Name: Auto Trader Location: 1, Tony Wilson Place, Manchester, M15 4FN Classification: Car Customisation & Conversion Specialists **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	900	-	383735 397371
336	**Contemporary Trade Directory Entries** Name: M Leyden Ltd Location: 5 Gravel La, Salford, Lancashire, M3 7WQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	890	-	383579 398975
336	**Contemporary Trade Directory Entries** Name: David Bentley Ltd Location: Greengate, SALFORD, M3 7NS Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	905	-	383596 398984
336	**Contemporary Trade Directory Entries** Name: Modern Rollers Ltd Location: Greengate, Salford, Lancashire, M3 7NS Classification: Machinery - Industrial & Commercial **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	905	-	383596 398984
337	**Contemporary Trade Directory Entries** Name: Orbit Card Services Location: Lowry House,17 Marble Street, Manchester, Greater Manchester, M2 3AW Classification: Cash Registers & Check-Out Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	895	-	384110 398358

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
337	**Contemporary Trade Directory Entries** Name: Pulse Laser Hairaesthetics Location: 18-20, Fountain Street, Manchester, M2 2AA Classification: Electrolysis **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	921	-	384140 398346
338	**Contemporary Trade Directory Entries** Name: Autogas Cars Direct Location: 1, City Road East, Manchester, Lancashire, M15 4PN Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	899	-	383625 397305
339	**Contemporary Trade Directory Entries** Name: George Woodhead & Co Ltd Location: 2, Gloucester Street, Manchester, M1 5GP Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	900	-	383844 397455
339	**Contemporary Trade Directory Entries** Name: John Sherratt & Co Ltd Location: Hotspur House, 2, Gloucester Street, Manchester, M1 5QR Classification: Bookbinding & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	900	-	383844 397455
339	**Contemporary Trade Directory Entries** Name: Aaa Location: 2, Gloucester Street, Manchester, M1 5GP Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	900	-	383844 397455
339	**Contemporary Trade Directory Entries** Name: 24 Design Ltd Location: Hotspur House, 2, Gloucester Street, Manchester, Lancashire, M1 5QR Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	900	-	383844 397455
340	**Contemporary Trade Directory Entries** Name: Smiler Service Location: Flat 111, The Lock Building, 41, Whitworth Street West, Manchester, M1 5BD Classification: Freight Forwarders **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	906	-	383933 397538
340	**Contemporary Trade Directory Entries** Name: Bandbox Laundry Premier Outlet Location: Unit C 41 Whitworth Street, Manchester, Greater Manchester, M1 5BE Classification: Laundry & Dry Cleaning Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	906	-	383933 397538
340	**Contemporary Trade Directory Entries** Name: Graham'S Motors Location: 59, Whitworth Street West, Manchester, Lancashire, M1 5WW Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	939	-	383939 397495
341	**Contemporary Trade Directory Entries** Name: Sheldons Manchester Ltd Location: 26, Liverpool Street, Salford, M5 4LE Classification: Alloys **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	909	-	382282 398187
341	**Contemporary Trade Directory Entries** Name: M A P Engineers Ltd Location: 26, Liverpool Street, Salford, M5 4LE Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	909	-	382282 398187
341	**Contemporary Trade Directory Entries** Name: Sheldons Manchester Location: 26, Liverpool Street, Salford, M5 4LE Classification: Wheel Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	909	-	382282 398187

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
341	**Contemporary Trade Directory Entries** Name: Ecosky Enviromental Solutions Location: 38, Liverpool Street, Salford, M5 4LT Classification: Plastics - Extrusion **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	951	-	382240 398189
342	**Contemporary Trade Directory Entries** Name: Dunlop G R G Holdings Ltd Location: Greengate Works, Greengate, Salford, M3 7WS Classification: Marine Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	909	-	383538 399013
343	**Contemporary Trade Directory Entries** Name: Lewis Bookmakers Location: 48a, Faulkner Street, Manchester, M1 4FH Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	911	-	384143 397975
344	**Contemporary Trade Directory Entries** Name: Viageo Ltd Location: 23, Crescent, SALFORD, M5 4PF Classification: Car Engine Tuning & Diagnostic Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (W)	912	-	382349 398491
345	**Contemporary Trade Directory Entries** Name: Copybook Press Ltd Location: 45-47 City Road East, Manchester, M15 4PN Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	916	-	383522 397242
346	**Contemporary Trade Directory Entries** Name: Trident Ltd Location: 95, Greengate, Salford, M3 7NG Classification: Lighting Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	917	-	383476 399042
347	**Contemporary Trade Directory Entries** Name: Comet Location: 19a Arndale Centre, Manchester, Lancashire, M4 2HU Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	918	-	384059 398554
347	**Contemporary Trade Directory Entries** Name: High Street Meat Market Llp Location: Arndale House, Arndale Centre, Market Street, Manchester, M4 3AQ Classification: Meat Product Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	384058 398555
347	**Contemporary Trade Directory Entries** Name: Currys P C World Location: 93 Halle Mall,Arndales Centre, Manchester, Greater Manchester, M4 3AQ Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	384058 398555
347	**Contemporary Trade Directory Entries** Name: Premier Foods Location: Arndale House, Arndale Centre, Market Street, Manchester, M4 3AQ Classification: Food Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	384058 398555
347	**Contemporary Trade Directory Entries** Name: Currys Pc World Location: 93 Halle Mall,Arndale Shopping Centre, Manchester, Greater Manchester, M4 2HU Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	918	-	384058 398555

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
347	**Contemporary Trade Directory Entries** Name: Currys Location: 165-166, Arndale Centre, Manchester, M4 3AB Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	384059 398554
347	**Contemporary Trade Directory Entries** Name: Willie'S Location: 85, Arndale Centre, Manchester, Lancashire, M4 2HU Classification: Wallpapers & Wall Coverings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	384059 398554
347	**Contemporary Trade Directory Entries** Name: The Fast Picture Show Location: 142-143, Market Hall, Arndale Centre, Manchester, M4 2EB Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	384059 398554
347	**Contemporary Trade Directory Entries** Name: Home Design Store Location: 136, Arndale Centre, Manchester, Lancashire, M4 2EA Classification: Gunsmiths **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	384059 398554
347	**Contemporary Trade Directory Entries** Name: Bodycare (Health & Beauty) Location: 111-112, Arndale Centre, Manchester, M4 2EA Classification: Toiletries **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	384059 398554
347	**Contemporary Trade Directory Entries** Name: The Sony Centre Location: 162, Arndale Centre, Manchester, Lancashire, M4 3AB Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	384059 398554
347	**Contemporary Trade Directory Entries** Name: Swatch Manchester Location: Unit L4 Arndale Centre, Manchester, Greater Manchester, M4 3AQ Classification: Clocks & Watches - Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	918	-	384058 398555
347	**Contemporary Trade Directory Entries** Name: Image Gallery Location: Arndale House, Arndale Centre, Manchester, Lancashire, M4 3AQ Classification: Photo & Digital Imaging Bureaus **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	918	-	384059 398554
347	**Contemporary Trade Directory Entries** Name: Imzi Communications Location: Arndale Centre, Manchester, Greater Manchester, M4 3AQ Classification: Mobile Phone Accessories and Car Kits **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	918	-	384058 398555
347	**Contemporary Trade Directory Entries** Name: The Perfume Shop Location: Unit L2 Manchester Arndale, Manchester, Greater Manchester, M4 1AZ Classification: Perfume Suppliers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	935	-	384089 398531
348	**Contemporary Trade Directory Entries** Name: William Hodgson & Co Location: Sixth Floor, Churchgate House, 56, Oxford Street, Manchester, Lancashire, M1 6EU Classification: Oils - Edible **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	919	-	384028 397647

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
349	**Contemporary Trade Directory Entries** Name: Shell Service Station Location: Regent Road, Salford, Greater Manchester, M5 4TS Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	922	-	382352 397750
349	**Contemporary Trade Directory Entries** Name: Shell Phoenix Location: Regent Road, Salford, Greater Manchester, M5 4TS Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	942	-	382339 397732
350	**Contemporary Trade Directory Entries** Name: Feather Brooksbank Location: 117-119, Portland Street, Manchester, M1 6ED Classification: Tungsten Tool Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (E)	923	-	384105 397794
350	**Contemporary Trade Directory Entries** Name: V T G Location: Gainsborough House, 109, Portland Street, Manchester, Lancashire, M1 6DN Classification: Lift Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	929	-	384124 397827
350	**Contemporary Trade Directory Entries** Name: Operations Abroad Ltd Location: Gainsborough House, 109, Portland Street, Manchester, M1 6DN Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	929	-	384124 397827
351	**Contemporary Trade Directory Entries** Name: Epos Now Location: The Corn Exchange, 37, Hanging Ditch, Manchester, M4 3TR Classification: Cash Registers & Check-Out Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	932	-	383957 398734
351	**Contemporary Trade Directory Entries** Name: Nexira Location: 176 Monton Road,Monton M30 9ga, Manchester, Greater Manchester, M4 3TR Classification: Food Colouring, Flavouring & Additive Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	933	-	383957 398734
351	**Contemporary Trade Directory Entries** Name: Roomzzz Manchester City Corn Exchange Location: Exchange Square,Hanging Ditch, Manchester, Greater Manchester, M4 3TR Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	941	-	383972 398729
352	**Contemporary Trade Directory Entries** Name: Timsons Location: 100, Regent Road, Salford, M5 4QU Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	933	-	382306 397835
353	**Contemporary Trade Directory Entries** Name: Peter Stone Co Ltd Location: Unit 6, Bentinck Street Industrial Estate, Manchester, M15 4LN Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	937	-	382839 397243
354	**Contemporary Trade Directory Entries** Name: A D T Location: 1, New York Street, Manchester, M1 4HD Classification: Firefighting Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	938	-	384182 398170

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
354	**Contemporary Trade Directory Entries** Name: Aesthetic Services Soda Blasting Location: Devonshire House, 36, George Street, Manchester, M1 4HA Classification: Blast Cleaning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	940	-	384185 398122
355	**Contemporary Trade Directory Entries** Name: The Snack Co Location: Unit 16/18, Slough Industrial Estate, Ordsall Lane, Salford, M5 4SZ Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	939	-	382446 397557
355	**Contemporary Trade Directory Entries** Name: Fires R Us Location: Unit 7, Slough Industrial Estate, Ordsall Lane, Salford, Lancashire, M5 4SZ Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	940	-	382419 397593
356	**Contemporary Trade Directory Entries** Name: Pumpcare Technical Services Location: Unit 3, Cornbrook Estate, Ellesmere Street, Manchester, M15 4JY Classification: Pump Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	941	-	382792 397262
356	**Contemporary Trade Directory Entries** Name: Seal Services Ltd Location: Unit 3, Cornbrook Estate, Ellesmere Street, Manchester, M15 4JY Classification: Pumps - Sales, Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	941	-	382792 397262
357	**Contemporary Trade Directory Entries** Name: C H A Technologies Group Location: St. James Buildings, 79, Oxford Street, Manchester, M1 6FQ Classification: Knitting Yarn Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	944	-	384075 397678
357	**Contemporary Trade Directory Entries** Name: Soleheat Location: St. James Buildings, 79, Oxford Street, Manchester, M1 6HT Classification: Under Floor Heating **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	944	-	384075 397678
357	**Contemporary Trade Directory Entries** Name: C H A Technologies Group Location: St. James Buildings, 79, Oxford Street, Manchester, M1 6FQ Classification: Textile Manufacturing **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	944	-	384075 397678
357	**Contemporary Trade Directory Entries** Name: Heatrise Location: St. James Buildings, 79, Oxford Street, Manchester, M1 6HT Classification: Under Floor Heating **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	944	-	384075 397678
357	**Contemporary Trade Directory Entries** Name: Faupel Plc Location: St. James Buildings, 79, Oxford Street, Manchester, Lancashire, M1 6FQ Classification: Soft Furnishings - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	944	-	384075 397678
357	**Contemporary Trade Directory Entries** Name: Jany (Uk) Location: St. James Buildings, 79, Oxford Street, Manchester, Lancashire, M1 6FQ Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	944	-	384075 397678
358	**Contemporary Trade Directory Entries** Name: Hayes Location: Unit 2,Ellesmere St, Manchester, Lancashire, M15 4FY Classification: Bed & Mattress Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	965	-	382735 397264

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
358	**Contemporary Trade Directory Entries** Name: In Situ Location: Talbot Mill,44 Ellesmere St, Manchester, Lancashire, M15 4FY Classification: Salvage Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	967	-	382720 397271
358	**Contemporary Trade Directory Entries** Name: Eagle Knitwear Location: Talbot Mill, 44, Ellesmere Street, Manchester, M15 4JY Classification: Knitting Yarn Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	971	-	382717 397268
358	**Contemporary Trade Directory Entries** Name: Batian Engineering Location: Talbot Mill, 44, Ellesmere Street, Manchester, M15 4JY Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	971	-	382717 397268
358	**Contemporary Trade Directory Entries** Name: A & M Reproductions Location: Talbot Mill, 44, Ellesmere Street, Manchester, M15 4JY Classification: Furniture - Reproduction **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	971	-	382717 397268
358	**Contemporary Trade Directory Entries** Name: Advance Knitwear Location: Talbot Mill, 44, Ellesmere Street, Manchester, M15 4JY Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	971	-	382717 397268
358	**Contemporary Trade Directory Entries** Name: M & R Textiles Ltd Location: Talbot Mill, 44, Ellesmere Street, Manchester, Lancashire, M15 4JY Classification: Knitwear Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	971	-	382717 397268
358	**Contemporary Trade Directory Entries** Name: Vacuum Scientific Services Ltd Location: Talbot Mill, 44, Ellesmere Street, Manchester, M15 4JY Classification: Scientific Apparatus & Instruments - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	971	-	382717 397268
358	**Contemporary Trade Directory Entries** Name: S Ryan Location: Talbot Mill, 44, Ellesmere Street, Manchester, M15 4JY Classification: Window Frame Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	971	-	382717 397268
358	**Contemporary Trade Directory Entries** Name: Kyran Hall Art Glass Studio Location: Talbot Mill, 44, Ellesmere Street, Manchester, Lancashire, M15 4JY Classification: Stained Glass Designers & Producers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	971	-	382717 397268
358	**Contemporary Trade Directory Entries** Name: Fast Track Upvc Location: Floor 1, Unit 2,Talbot Mill,Ellesmere St, Manchester, Lancashire, M15 4JY Classification: Window Frame Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	982	-	382683 397275
359	**Contemporary Trade Directory Entries** Name: Licence Trade Consultants Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE Classification: Brewers' Equipment & Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	968	-	384170 397844
359	**Contemporary Trade Directory Entries** Name: Northern Consultancy Of Medical Management Ltd Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE Classification: Medical & Dental Laboratories **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	968	-	384170 397844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
359	**Contemporary Trade Directory Entries** Name: R S I S Projects Ltd Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE Classification: Railways **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	968	-	384170 397844
359	**Contemporary Trade Directory Entries** Name: Patriot Advertising Solutions Location: Imex House, 40, Princess Street, Manchester, M1 6DE Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	968	-	384170 397844
359	**Contemporary Trade Directory Entries** Name: Dunbar & Boardman Partnership Location: Imex House, 40, Princess Street, Manchester, Lancashire, M1 6DE Classification: Lift Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	968	-	384170 397844
359	**Contemporary Trade Directory Entries** Name: London Global Location: 40 Princess Street, Manchester, Greater Manchester, M1 6DE Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	968	-	384170 397844
359	**Contemporary Trade Directory Entries** Name: Scootabout International Location: 101, Princess Street, Manchester, Lancashire, M1 6DD Classification: Materials Handling Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	1000	-	384208 397860
360	**Contemporary Trade Directory Entries** Name: Texaco Location: Oldfield Road, Salford, M5 4NE Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	968	-	382243 397930
360	**Contemporary Trade Directory Entries** Name: Texaco Location: Oldfield Road, Salford, M5 4NE Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	968	-	382243 397930
360	**Contemporary Trade Directory Entries** Name: Texaco Location: Oldfield Road, Salford, M5 4NE Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	978	-	382233 397934
361	**Contemporary Trade Directory Entries** Name: Vath Engineering Co Ltd Location: North Hill Street, Salford, M3 6LS Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (N)	971	-	382851 399057
361	**Contemporary Trade Directory Entries** Name: Hts Ltd Location: 9, Cannon Street, Salford, Lancashire, M3 6JH Classification: Seal & Joint Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (N)	990	-	382842 399075
361	**Contemporary Trade Directory Entries** Name: Hydraulic Transmission Services Ltd Location: 9, Cannon Street, Salford, M3 6JH Classification: Seal & Joint Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (N)	990	-	382842 399075
362	**Contemporary Trade Directory Entries** Name: Kiddycare International Location: Unit R30, Marsden Way South, Manchester, M4 3AT Classification: Children & Babywear - Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	974	-	384160 398462

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
363	**Contemporary Trade Directory Entries** Name: Apple Location: Unit 23, Upper Mall, 98, Corporation Street, Manchester, M4 3AJ Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	980	-	384096 398616
364	**Contemporary Trade Directory Entries** Name: Cemex Manchester Plant Location: Hope Street, Salford, Greater Manchester, M7 2ES Classification: Sand, Gravel & Other Aggregates **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	983	-	382218 398283
364	**Contemporary Trade Directory Entries** Name: Cemex Salford Asphalt Plant Location: Hope Street, Salford, Greater Manchester, M7 2ES Classification: Sand, Gravel & Other Aggregates **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	986	-	382215 398288
365	**Contemporary Trade Directory Entries** Name: Norman Disney & Young Location: St. James House, 7, Charlotte Street, Manchester, Lancashire, M1 4DZ Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	983	-	384227 398079
365	**Contemporary Trade Directory Entries** Name: British Engineering Services Location: 5, New York Street, Manchester, M1 4JB Classification: Engineering Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A15SW (E)	988	-	384233 398120
366	**Contemporary Trade Directory Entries** Name: Hong Kong Printing Co Ltd Location: 41, Faulkner Street, Manchester, M1 4EE Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	985	-	384224 398021
367	**Contemporary Trade Directory Entries** Name: Gls Ceramics Location: 2a, Mirabel Street, Manchester, Lancashire, M3 1PJ Classification: Ceramic Manufacturers, Supplies & Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	991	-	383769 398987
368	**Contemporary Trade Directory Entries** Name: Weeshred Ltd Location: 13th Floor City Tower,Piccadilly Plaza, Manchester, Greater Manchester, M1 4BT Classification: Shredding Equipment & Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A15NW (E)	994	-	384236 398207
369	**Contemporary Trade Directory Entries** Name: Arrow Electronics Uk Location: 5 New York Street, Manchester, Greater Manchester, M1 4JB Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15NW (E)	1000	-	384245 398136
370	**Fuel Station Entries** Name: Sainsburys Salford Location: 100, Regent Road Ordsall Lane, , Salford, Greater Manchester, M5 4QU Brand: Sainsburys Premises Type: Hypermarket **Status: Open** Positional Accuracy: Manually positioned to the address or location	A12SW (SW)	732	-	382524 397829
371	**Fuel Station Entries** Name: Castlefield Travellers Check Location: Dawson Street , , Manchester, Greater Manchester, M3 4JZ Brand: OBSOLETE Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Approximate location provided by supplier	A7NE (SW)	754	-	382813 397463

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
372	**Fuel Station Entries** Name: Castlefield Service Station Location: 14, Great Jackson Street , Castlefield , Manchester, Greater Manchester, M15 4NG Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A8SE (S)	826	-	383248 397279
373	**Fuel Station Entries** Name: Shell Phoenix Location: Regent Road , , Salford, Greater Manchester, M5 4TS Brand: SHELL Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	942	-	382339 397732
374	**Fuel Station Entries** Name: Mfg Oldfield Road Location: Oldfield Road Duncan Street, , Salford, Greater Manchester, M5 4NE Brand: Jet Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A12SW (W)	978	-	382233 397934
375	**Points of Interest - Commercial Services** Name: Car Care Express Location: Arch 4, Irwell Street, Salford, M3 5EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	335	10	382967 398385
375	**Points of Interest - Commercial Services** Name: Carcare Express N W Ltd Location: Arch 4, Irwell Street, Salford, M3 5EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	335	10	382967 398385
376	**Points of Interest - Commercial Services** Name: B M Tec Ltd Location: 15 New Bailey Street, Salford, M3 5FS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	355	10	383221 398516
377	**Points of Interest - Commercial Services** Name: Carspa Car Valet Services Location: Reedham House 31, King Street West, Manchester, M3 2PN Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NE (NE)	366	10	383518 398375
377	**Points of Interest - Commercial Services** Name: Storage Distribution Ltd Location: Reedham House 31, King Street West, Manchester, M3 2PJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (NE)	366	10	383518 398375
377	**Points of Interest - Commercial Services** Name: C B I Location: Cardinal House 20, St. Marys Parsonage, Manchester, M3 2LY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (NE)	426	10	383531 398454
377	**Points of Interest - Commercial Services** Name: I C C Within National Car Parks Location: King Street West, Manchester, M3 2WY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NW (NE)	426	10	383582 398390
377	**Points of Interest - Commercial Services** Name: Carspa Location: Car Park, King St West, Manchester, Lancashire, M3 2PN Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NW (NE)	426	10	383582 398390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
377	**Points of Interest - Commercial Services** Name: John Good Shipping Location: Cardinal House 20, St. Marys Parsonage, Manchester, M3 2LY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (NE)	426	10	383531 398453
377	**Points of Interest - Commercial Services** Name: I C E Transport Co Ltd Location: Cardinal House, St Marys Parsonage, Manchester, Greater Manchester, M3 2LY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NE (NE)	426	10	383531 398454
378	**Points of Interest - Commercial Services** Name: The Leaflet Co Location: Croxley House 14, Lloyd Street, Manchester, M2 5ND Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	426	10	383667 398074
378	**Points of Interest - Commercial Services** Name: The Leaflet Company Location: Croxley House 14, Lloyd Street, Manchester, M2 5ND Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	426	10	383667 398074
379	**Points of Interest - Commercial Services** Name: Automation Providers Location: 277 Deansgate, Manchester, M3 4EW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	429	10	383474 397763
380	**Points of Interest - Commercial Services** Name: Stobart Group Location: 1 King Street, Manchester, M2 6AW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NW (NE)	497	10	383695 398341
380	**Points of Interest - Commercial Services** Name: F1 Mobile Valeting Location: 92-96 Deansgate, Manchester, M3 2QG Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NW (NE)	523	10	383682 398417
381	**Points of Interest - Commercial Services** Name: The Dash Doctor Location: 321 Deansgate, Manchester, M3 4LQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	527	10	383424 397622
382	**Points of Interest - Commercial Services** Name: Duffy Motors Manchester Ltd Location: Arch 16-17, Watson Street, Manchester, M3 4LP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	528	10	383567 397709
382	**Points of Interest - Commercial Services** Name: Duffy Motors Ltd Location: Arch 16-17, Watson Street, Manchester, M3 4LP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	530	10	383563 397703
383	**Points of Interest - Commercial Services** Name: B M Tec Location: 87-88 Cross Street, Salford, M3 7AX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	581	10	383381 398719
384	**Points of Interest - Commercial Services** Name: A Everall Location: 3 Blackfriars Road, Salford, M3 7AG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	646	10	383462 398760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
384	**Points of Interest - Commercial Services** Name: A L Everall & Co Location: 3 Blackfriars Road, Salford, M3 7AG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	659	10	383465 398773
384	**Points of Interest - Commercial Services** Name: M G S Location: 3 Blackfriars Road, Salford, M3 7AG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	659	10	383465 398773
384	**Points of Interest - Commercial Services** Name: Leyden Bros (Blackfriars) Ltd Location: Blackfriars Corner, Chapel Street, Salford, M3 7AA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	673	10	383542 398752
384	**Points of Interest - Commercial Services** Name: Leyden Bros Blackfriars Ltd Location: Blackfriars Corner, Chapel Street, Salford, M3 7AA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	673	10	383542 398752
385	**Points of Interest - Commercial Services** Name: Secure Data Recycling Ltd Location: Alex House 260-268, Chapel Street, Salford, M3 5JZ Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A17SE (NW)	660	10	382687 398563
385	**Points of Interest - Commercial Services** Name: Eurofabs UK Ltd Location: Alex House 260-268, Chapel Street, Salford, M3 5JZ Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A17SE (NW)	660	10	382687 398563
386	**Points of Interest - Commercial Services** Name: Scrap Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	664	10	382835 397556
386	**Points of Interest - Commercial Services** Name: Scrap Yard Location: M15 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A7NE (SW)	665	10	382833 397556
387	**Points of Interest - Commercial Services** Name: G T Autos Location: 88 Hewitt Street, Manchester, M15 4GB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	667	10	383499 397502
388	**Points of Interest - Commercial Services** Name: J Cash Metals Ltd Location: Unit 3 Regent Trading Estate, Oldfield Road, Salford, M5 4DE Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A12NW (W)	676	10	382540 398322
388	**Points of Interest - Commercial Services** Name: J Cash Metals Ltd Location: Unit 2-3 Regent Trading Estate, Oldfield Road, Salford, M5 4DE Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A12NW (W)	676	10	382540 398322
388	**Points of Interest - Commercial Services** Name: Dale Garages Location: 45-47 Oldfield Road, Salford, M5 4NE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (W)	683	10	382555 398388

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
389	**Points of Interest - Commercial Services** Name: M Segal Motor Trimmings Ltd Location: Trimcar House 29, Blackfriars Road, Salford, M3 7AQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	676	10	383383 398817
390	**Points of Interest - Commercial Services** Name: Renault Service Centre Location: 56 Bury Street, Salford, M3 7DA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	685	10	383232 398846
390	**Points of Interest - Commercial Services** Name: Renault Service Centre Location: 56 Bury Street, Salford, M3 7DA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	685	10	383232 398846
391	**Points of Interest - Commercial Services** Name: The Accident Group Location: 55 King Street, Manchester, M2 4LQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	706	10	383933 398286
391	**Points of Interest - Commercial Services** Name: Brenca Metals Ltd Location: Ship Canal House 98, King Street, Manchester, M2 4WU Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A14NE (E)	738	10	383976 398234
392	**Points of Interest - Commercial Services** Name: M G Mechanical Services Location: 82 Hewitt Street, Manchester, M15 4GB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	715	10	383593 397498
393	**Points of Interest - Commercial Services** Name: Car Wash Location: 100 Regent Road, Ordsall Lane, Salford, Lancashire, M5 4QU Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SW (SW)	732	10	382524 397829
393	**Points of Interest - Commercial Services** Name: Sainsburys Salford Location: 100 Regent Road, Ordsall Lane, Salford, M5 4QU Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SW (SW)	776	10	382487 397805
394	**Points of Interest - Commercial Services** Name: Pest Solutions Ltd Location: Peter House, Oxford Street, Manchester, M1 5AN Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A14SE (E)	735	10	383924 397846
395	**Points of Interest - Commercial Services** Name: Windsor Garage Location: 2 Oldfield Road, Salford, M5 4WB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	748	10	382453 398264
395	**Points of Interest - Commercial Services** Name: Windsor Garage Location: 2 Oldfield Road, Salford, M5 4WB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	748	10	382453 398264
396	**Points of Interest - Commercial Services** Name: Kickstart Motorcycles Location: 77 Arches, Whitworth Street West, Manchester, M1 5WQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	780	10	383702 397496

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
397	**Points of Interest - Commercial Services** Name: Pest Control Manchester Location: 14 Commercial Street, Manchester, M15 4PZ Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A8SE (S)	786	10	383460 397358
398	**Points of Interest - Commercial Services** Name: New Pit Stop Garage Ltd Location: 1 Norton Street, Salford, M3 7NW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	816	10	383622 398872
398	**Points of Interest - Commercial Services** Name: New Pit Stop Garage Location: 1 Norton Street, Salford, M3 7NW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	817	10	383622 398873
398	**Points of Interest - Commercial Services** Name: New Pit Stop Garage Location: 1 Norton Street, Salford, M3 7NW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	817	10	383622 398873
399	**Points of Interest - Commercial Services** Name: D C Motor Engineers Location: 1-3 York Street, Manchester, M1 7DE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	854	10	384082 398298
400	**Points of Interest - Commercial Services** Name: Greengate Motors Location: 57 Canal Street, Salford, M5 4ST Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	858	10	382344 398282
400	**Points of Interest - Commercial Services** Name: Greengate Motors Ltd Location: 57 Canal Street, Salford, M5 4ST Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	858	10	382344 398282
400	**Points of Interest - Commercial Services** Name: J Cocker (Tinsmith) Ltd Location: Cow Lane, Salford, M5 4NB Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A12NW (W)	873	10	382322 398232
400	**Points of Interest - Commercial Services** Name: J Cocker Tinsmith Location: Cow Lane, Salford, M5 4NB Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A12NW (W)	874	10	382321 398231
401	**Points of Interest - Commercial Services** Name: Manchester Auto Electrical Ltd Location: 38 Ellesmere Street, Manchester, M15 4JY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	861	10	382834 397329
401	**Points of Interest - Commercial Services** Name: Andrew's Auto Repairs Location: Unit 6, Bentinck Street Industrial Estate, Bentinck Street Ind Est, Manchester, M15 4LN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	937	10	382839 397243
401	**Points of Interest - Commercial Services** Name: Invincible Contracts Supplies Location: Unit 4, Bentinck Street, Manchester, M15 4LN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SE (SW)	985	10	382787 397215

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
402	**Points of Interest - Commercial Services** Name: Total Towing Location: Woolwich House 61, Mosley Street, Manchester, M2 3HZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	872	10	384117 398114
402	**Points of Interest - Commercial Services** Name: M1 1st Call Locksmiths Location: Cobac House 14-16, Charlotte Street, Manchester, M1 4FL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	944	10	384186 398060
403	**Points of Interest - Commercial Services** Name: Smiler Service Location: Unit 3c The Lock Building, 41 Whitworth Street West, Manchester, M1 5BD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NE (SE)	898	10	383932 397550
403	**Points of Interest - Commercial Services** Name: Graham's Motors Location: 59 Whitworth Street West, Manchester, M1 5WW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	939	10	383939 397495
403	**Points of Interest - Commercial Services** Name: J E Gordon Ltd Location: 60 Whitworth Street West, Manchester, M1 5WW Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A9NE (SE)	950	10	383963 397507
404	**Points of Interest - Commercial Services** Name: Publicity Location: 2 Gloucester Street, Manchester, M1 5GP Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9SW (SE)	900	10	383844 397455
404	**Points of Interest - Commercial Services** Name: All About Audiences Distribution Location: Hotspur House 2, Gloucester Street, Manchester, M1 5QR Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9SW (SE)	900	10	383843 397455
405	**Points of Interest - Commercial Services** Name: I T True Ltd Location: St. James Building 79, Oxford Street, Manchester, M1 6FQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NE (SE)	944	10	384075 397678
405	**Points of Interest - Commercial Services** Name: Faupel Plc Location: St. James Buildings 79, Oxford Street, Manchester, M1 6FQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NE (SE)	944	10	384075 397678
406	**Points of Interest - Commercial Services** Name: London Global Location: Imex House 40, Princess Street, Manchester, M1 6DE Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14SE (E)	968	10	384170 397843
406	**Points of Interest - Commercial Services** Name: Patriot Advertising Solutions Location: Imex House 40, Princess Street, Manchester, M1 6DE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (E)	968	10	384170 397844
407	**Points of Interest - Manufacturing and Production** Name: Works Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	166	10	383055 398232

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
408	**Points of Interest - Manufacturing and Production** Name: The Words Business Centre Location: 19 Ralli Courts, New Bailey Street, Salford, M3 5FT Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A13NW (N)	213	10	383165 398365
408	**Points of Interest - Manufacturing and Production** Name: The Words Business Centre Location: 19 Ralli Courts, New Bailey Street, Salford, M3 5FT Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A13NW (N)	213	10	383165 398365
409	**Points of Interest - Manufacturing and Production** Name: Bruntwood Business Ltd Location: Centurion House 129, Deansgate, Manchester, M3 3WR Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NW (E)	401	10	383645 398147
409	**Points of Interest - Manufacturing and Production** Name: Forsyth Bros Location: 126 Deansgate, Manchester, M3 2GR Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NW (NE)	417	10	383623 398306
409	**Points of Interest - Manufacturing and Production** Name: Mwb Business Exchange Location: John Dalton House 121, Deansgate, Manchester, M3 2BX Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NW (E)	417	10	383650 398230
410	**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	A18SW (N)	447	10	383195 398606
410	**Points of Interest - Manufacturing and Production** Name: Works Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	449	10	383192 398608
411	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	535	10	383463 398638
412	**Points of Interest - Manufacturing and Production** Name: Spectrum Investment Maangement Location: The Edge, Clowes Street, Salford, M3 5NA Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A19SW (NE)	548	10	383582 398573
412	**Points of Interest - Manufacturing and Production** Name: Stone Mine Location: 22 Blackfriars Street, Salford, M3 5BQ Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A19SW (NE)	593	10	383593 398623
413	**Points of Interest - Manufacturing and Production** Name: Factory Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	558	10	382861 397668
413	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	622	10	382856 397592

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
413	**Points of Interest - Manufacturing and Production** Name: Works Location: M15 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	626	10	382852 397591
414	**Points of Interest - Manufacturing and Production** Name: Deva City Office Park Location: Brewery Yard Deva City Office Park, Trinity Way, Salford, M3 7BB Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A18SE (N)	594	10	383284 398751
415	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	606	10	382849 398638
416	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	622	10	383373 398764
416	**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	A18NE (N)	680	10	383381 398821
416	**Points of Interest - Manufacturing and Production** Name: Factory Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A18NE (N)	682	10	383384 398823
417	**Points of Interest - Manufacturing and Production** Name: Orega Management Ltd Location: 76 King Street, Manchester, M2 4NH Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NW (E)	644	10	383878 398248
417	**Points of Interest - Manufacturing and Production** Name: Regus Location: 82 King Street, Manchester, M2 4WQ Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NE (E)	690	10	383923 398256
418	**Points of Interest - Manufacturing and Production** Name: Acresfield Location: 8-10 Exchange Street, Manchester, M2 7HA Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A19SW (NE)	657	10	383797 398486
419	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	671	10	383464 397482
419	**Points of Interest - Manufacturing and Production** Name: Works Location: M15 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	671	10	383460 397481
419	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	703	10	383429 397435

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
419	**Points of Interest - Manufacturing and Production** Name: Works Location: M15 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	703	10	383425 397434
419	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	713	10	383457 397435
419	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	716	10	383567 397482
419	**Points of Interest - Manufacturing and Production** Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	729	10	383495 397432
419	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	729	10	383452 397416
420	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	688	10	382556 398404
421	**Points of Interest - Manufacturing and Production** Name: Locus Properties Ltd Location: 19 Albion Wharf, Manchester, M1 5LN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A9NW (SE)	692	10	383660 397574
422	**Points of Interest - Manufacturing and Production** Name: Works Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	702	10	383270 398861
422	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	704	10	383274 398862
423	**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	A18NE (N)	723	10	383504 398826
423	**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	A18NE (NE)	734	10	383511 398835
423	**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	A18NE (NE)	753	10	383528 398848

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
424	**Points of Interest - Manufacturing and Production** Name: Tank Location: M15 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SW (SW)	729	10	382916 397437
425	**Points of Interest - Manufacturing and Production** Name: Regus Location: Peter House, Oxford Street, Manchester, M1 5AN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14SE (E)	736	10	383925 397847
425	**Points of Interest - Manufacturing and Production** Name: Regus Location: Peter House, Oxford Street, Manchester, M1 5AN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14SE (E)	736	10	383925 397847
425	**Points of Interest - Manufacturing and Production** Name: Nemesis Agency Ltd Location: 1 Oxford Court, Manchester, M2 3WQ Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A9NE (SE)	738	10	383901 397789
426	**Points of Interest - Manufacturing and Production** Name: Iwyk Ltd Location: 1 The Royal, Wilton Place, Salford, M3 6WP Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A17SE (NW)	742	10	382581 398559
427	**Points of Interest - Manufacturing and Production** Name: Century House Commissionaire Location: Century Ho, 11 St Peters Sq, Manchester, M2 3DN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14SE (E)	759	10	383980 397940
427	**Points of Interest - Manufacturing and Production** Name: Century House Commissionaire Location: Century House, 11 St Peters Square, Manchester, Greater Manchester, M2 3DN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14SE (E)	759	10	383980 397940
428	**Points of Interest - Manufacturing and Production** Name: 1 Marsden Street Business Centre Location: 1 Marsden Street, Manchester, M2 1HW Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NE (E)	763	10	383974 398356
429	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	797	10	382397 398053
429	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	808	10	382385 398057
430	**Points of Interest - Manufacturing and Production** Name: Works Location: M5 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A12NW (W)	803	10	382432 398402
430	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	809	10	382426 398403

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
431	**Points of Interest - Manufacturing and Production** Name: The Box Works Location: M15 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	814	10	382773 397417
432	**Points of Interest - Manufacturing and Production** Name: Factory Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A18NE (N)	817	10	383386 398961
432	**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	A18NE (N)	818	10	383384 398962
432	**Points of Interest - Manufacturing and Production** Name: Works Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	857	10	383407 398997
432	**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	A18NE (N)	859	10	383411 398998
433	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (SE)	821	10	383543 397353
433	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	837	10	383564 397345
434	**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	A18NE (N)	828	10	383491 398943
434	**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	A18NE (N)	854	10	383527 398958
434	**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	A18NE (N)	906	10	383541 399008
435	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	846	10	382354 398267
435	**Points of Interest - Manufacturing and Production** Name: Works Location: M5 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	851	10	382349 398266

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
436	**Points of Interest - Manufacturing and Production** Name: Regus Location: Barnett House 53, Fountain Street, Manchester, M2 2AN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NE (E)	871	10	384112 398208
436	**Points of Interest - Manufacturing and Production** Name: Abbey Business Centre Location: Barnett House 53, Fountain Street, Manchester, M2 2AN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NE (E)	871	10	384112 398208
436	**Points of Interest - Manufacturing and Production** Name: Abbey Business Centre Location: Barnett House 53, Fountain Street, Manchester, M2 2AN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NE (E)	871	10	384112 398208
436	**Points of Interest - Manufacturing and Production** Name: Abbey Business Centre Location: Barnett House 53, Fountain Street, Manchester, M2 2AN Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NE (E)	871	10	384112 398208
437	**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	A18NW (N)	878	10	383111 399031
437	**Points of Interest - Manufacturing and Production** Name: Works Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	879	10	383108 399032
438	**Points of Interest - Manufacturing and Production** Name: Factory Location: M15 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	880	10	383163 397226
439	**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	A19NW (NE)	890	10	383688 398919
439	**Points of Interest - Manufacturing and Production** Name: Wks Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (NE)	890	10	383688 398919
439	**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	A19NW (NE)	928	10	383674 398971
439	**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	A19NW (NE)	929	10	383649 398985
439	**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	A19NW (NE)	948	10	383692 398984

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
440	**Points of Interest - Manufacturing and Production** Name: Bruntwood Business Centres Ltd Location: Lowry House 17, Marble Street, Manchester, M2 3AW Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14NE (E)	895	10	384110 398358
441	**Points of Interest - Manufacturing and Production** Name: Slough Industrial Centre Location: M5 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A7NW (SW)	912	10	382468 397573
441	**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	A7NW (SW)	963	10	382458 397502
442	**Points of Interest - Manufacturing and Production** Name: Market Poultry Location: Arndale House, Arndale Centre, Manchester, M4 3AQ Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A19SE (NE)	918	10	384059 398554
442	**Points of Interest - Manufacturing and Production** Name: Market Poultry Location: Arndale House, Arndale Centre, Manchester, M4 3AQ Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A19SE (NE)	918	10	384059 398554
443	**Points of Interest - Manufacturing and Production** Name: Mls Business Centres Location: The Triangle, Hanging Ditch, Manchester, Lancashire, M4 3TR Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A19SE (NE)	932	10	383956 398734
443	**Points of Interest - Manufacturing and Production** Name: Mls Business Centres Location: The Triangle, Hanging Ditch, Manchester, Lancashire, M4 3TR Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A19SE (NE)	932	10	383956 398734
444	**Points of Interest - Manufacturing and Production** Name: Works Location: M15 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	945	10	382686 397317
445	**Points of Interest - Manufacturing and Production** Name: High Technology Centre Location: M3 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	946	10	382622 398893
446	**Points of Interest - Manufacturing and Production** Name: Works Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19NW (N)	954	10	383585 399043
446	**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	A19NW (N)	957	10	383588 399044
447	**Points of Interest - Manufacturing and Production** Name: Tank Location: M1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	966	10	383867 397388

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
448	**Points of Interest - Manufacturing and Production** Name: Works Location: M3 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17NE (N)	967	10	382852 399053
449	**Points of Interest - Manufacturing and Production** Name: Citibase Location: Imex House 40, Princess Street, Manchester, M1 6DE Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14SE (E)	968	10	384170 397844
449	**Points of Interest - Manufacturing and Production** Name: Citibase Location: Imex House 40, Princess Street, Manchester, M1 6DE Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14SE (E)	968	10	384170 397844
449	**Points of Interest - Manufacturing and Production** Name: Citibase Business Centres Location: Imex House 40, Princess Street, Manchester, M1 6DE Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A14SE (E)	968	10	384170 397844
450	**Points of Interest - Manufacturing and Production** Name: Works Location: M5 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A12NW (W)	975	10	382223 398263
451	**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	A17NW (NW)	989	10	382481 398825
452	**Points of Interest - Manufacturing and Production** Name: City Tower Location: City Tower, Piccadilly Plaza, Manchester, M1 4BT Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A15NW (E)	994	10	384236 398207
452	**Points of Interest - Manufacturing and Production** Name: Bruntwood Ltd Location: City Tower, Piccadilly Plaza, Manchester, M1 4BT Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A15NW (E)	996	10	384237 398216
453	**Points of Interest - Public Infrastructure** Name: Salford Central Rail Station Location: Gore Street, M3 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A13NW (N)	324	10	383113 398465
453	**Points of Interest - Public Infrastructure** Name: Salford Central Station Location: Gore Street, M3 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A13NW (N)	324	10	383113 398465
454	**Points of Interest - Public Infrastructure** Name: Weir Location: M3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	477	10	382986 397683
454	**Points of Interest - Public Infrastructure** Name: Weir Location: M3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	496	10	382970 397670

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
455	**Points of Interest - Public Infrastructure** Name: Bootle Street Police Station Location: Bootle Street, Manchester, M2 5GU Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A14SW (E)	499	10	383726 397997
456	**Points of Interest - Public Infrastructure** Name: Castle Field Junction Location: M3 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	505	10	383257 397601
457	**Points of Interest - Public Infrastructure** Name: Weir Location: M3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	533	10	383148 397575
458	**Points of Interest - Public Infrastructure** Name: Liverpool Road Junction Location: M5 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	575	10	382634 397986
459	**Points of Interest - Public Infrastructure** Name: Sluice Location: M3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	614	10	383271 397493
460	**Points of Interest - Public Infrastructure** Name: Manchester City Council Location: Town Hall, Albert Square, Manchester, M2 5DB Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14SW (E)	623	10	383867 398089
461	**Points of Interest - Public Infrastructure** Name: Deansgate Rail Station Location: Hewitt Street, M15 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A8NE (S)	639	10	383437 397506
461	**Points of Interest - Public Infrastructure** Name: Deansgate Station Location: Hewitt Street, M3 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A8NE (S)	639	10	383437 397506
462	**Points of Interest - Public Infrastructure** Name: Aleef Salford Sstn Location: 45-47 Oldfield Road, Salford, M5 4NE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (W)	683	10	382555 398388
463	**Points of Interest - Public Infrastructure** Name: Sainsbury's Salford Location: 100 Regent Road, Ordsall Lane, Salford, M5 4QU Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SW (SW)	732	10	382524 397829
464	**Points of Interest - Public Infrastructure** Name: Tanzo Passenger Services Ltd Location: Peter House, Oxford Street, Manchester, M1 5AN Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A14SE (E)	736	10	383925 397847
464	**Points of Interest - Public Infrastructure** Name: Tanzo Passenger Services Ltd Location: Peter House, Oxford Street, Manchester, M1 5AN Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A14SE (E)	736	10	383925 397847

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
465	**Points of Interest - Public Infrastructure** Name: Hulme Junction Location: M15 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	767	10	382778 397470
466	**Points of Interest - Public Infrastructure** Name: Anywaste UK Location: St. James Court 30, Brown Street, Manchester, M2 1DH Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	799	10	384013 398350
466	**Points of Interest - Public Infrastructure** Name: Wastelift Location: St. James Court 30, Brown Street, Manchester, M2 1DH Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14NE (E)	799	10	384013 398349
466	**Points of Interest - Public Infrastructure** Name: Tesco Petrol Filling Station Location: 58-66 Market Street, Manchester, M1 1PW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	859	10	384046 398442
467	**Points of Interest - Public Infrastructure** Name: Weirs Location: M1 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	931	10	383841 397412
468	**Points of Interest - Public Infrastructure** Name: Salford Petrol Station Location: 100 Regent Road, Salford, M5 4QU Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SW (W)	933	10	382306 397835
469	**Points of Interest - Public Infrastructure** Name: Shell Phoenix Location: Regent, Road, Salford, M5 4TS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	942	10	382338 397731
469	**Points of Interest - Public Infrastructure** Name: Shell Service Station Location: Regent Road, Salford, M5 4TS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	942	10	382338 397731
469	**Points of Interest - Public Infrastructure** Name: Shell Phoenix Location: Regent Road, Salford, M5 4TS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	942	10	382339 397732
469	**Points of Interest - Public Infrastructure** Name: Shell Phoenix Location: Regent Road, Salford, Lancashire, M5 4TS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	942	10	382339 397732
470	**Points of Interest - Public Infrastructure** Name: Bus Depot Location: M15 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	962	10	382602 397358
471	**Points of Interest - Public Infrastructure** Name: Weir Location: M3 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	978	10	382438 398761

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
472	**Points of Interest - Public Infrastructure** Name: Texaco Ltd Location: Oldfield Road, Salford, M5 4NE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SW (W)	978	10	382233 397934
472	**Points of Interest - Public Infrastructure** Name: Texaco Location: Oldfield Road, Salford, M5 4NE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SW (W)	979	10	382232 397933
473	**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	A12NE (NW)	500	10	382735 398344
473	**Points of Interest - Recreational and Environmental** Name: Playground Location: Rodney Street, M3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A12NE (NW)	501	10	382734 398343
474	**Points of Interest - Recreational and Environmental** Name: Playground Location: Mayan Avenue, M3 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17NE (NW)	803	10	382785 398834
474	**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)	804	10	382786 398835

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
475	**Nitrate Vulnerable Zones** Name: Irwell / Man. Ship Canal (Kearsley To Irlam Locks) Nvz Description: Surface Water Source: Environment Agency, Head Office	A12NE (NW)	557	6	382700 398400
476	**Nitrate Vulnerable Zones** Name: River Irk (Moston Brook To River Irwell) Nvz Description: Surface Water Source: Environment Agency, Head Office	A19SE (NE)	906	6	383950 398700

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Salford City Council - Environmental Health Department	November 2013	Annual Rolling Update
Trafford Metropolitan Borough Council - Renewal and Environmental Protection	November 2013	Annual Rolling Update
Bury Metropolitan Borough Council - Environmental Health Department	October 2013	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2017	Annually
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	July 2019	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	Annual Rolling Update
Integrated Pollution Controls		
Environment Agency - North West Region	October 2008	Variable
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	July 2019	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Variable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Variable
Salford City Council - Environmental Health Department	March 2015	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		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	July 2015	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Annual Rolling Update
Salford City Council - Environmental Health Department	March 2015	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Variable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Variable
Salford City Council - Environmental Health Department	March 2015	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	January 2019	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	Annual Rolling Update
Registered Radioactive Substances		
Scottish Environment Protection Agency - Head Office	January 1998	Not Applicable
Environment Agency - North West Region	June 2016	
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	July 2019	Quarterly
Water Abstractions Environment Agency - North West Region	July 2019	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	Annually
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	Annually
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	July 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2019	Quarterly
Flood Defences Environment Agency - Head Office	August 2019	Quarterly
OS Water Network Lines Ordnance Survey	April 2019	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	July 2019	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	July 2018	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	July 2019	Quarterly
Local Authority Landfill Coverage		
Bury Metropolitan Borough Council	May 2000	Not Applicable
Manchester City Council - Planning Department	May 2000	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Salford City Council - Environmental Health Department	May 2000	Not Applicable
Tameside Metropolitan Borough Council	May 2000	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Bury Metropolitan Borough Council	May 2000	Not Applicable
Manchester City Council - Planning Department	May 2000	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Salford City Council - Environmental Health Department	May 2000	Not Applicable
Tameside Metropolitan Borough Council	May 2000	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Trafford Metropolitan Borough Council	April 2016	Variable
Bury Metropolitan Borough Council	February 2016	Variable
Manchester City Council - Planning Department	February 2016	Variable
Rochdale Metropolitan Borough Council	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
Bury Metropolitan Borough Council	February 2016	Variable
Manchester City Council - Planning Department	February 2016	Variable
Rochdale Metropolitan Borough Council	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	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2019	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	October 2015	Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	September 2019	Quarterly
Points of Interest - Education and Health PointX	September 2019	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2019	Quarterly
Points of Interest - Public Infrastructure PointX	September 2019	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2019	Quarterly
Underground Electrical Cables National Grid	December 2015	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt		
Bury Metropolitan Borough Council	March 2019	As notified
Manchester City Council	March 2019	As notified
Rochdale Metropolitan Borough Council	March 2019	As notified
Salford City Council	March 2019	As notified
Tameside Metropolitan Borough Council	March 2019	As notified
Trafford Metropolitan Borough Council	March 2019	As notified
Areas of Unadopted Green Belt		
Bury Metropolitan Borough Council	March 2019	As notified
Manchester City Council	March 2019	As notified
Rochdale Metropolitan Borough Council	March 2019	As notified
Salford City Council	March 2019	As notified
Tameside Metropolitan Borough Council	March 2019	As notified
Trafford Metropolitan Borough Council	March 2019	As notified
Areas of Outstanding Natural Beauty		
Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	March 2019	Bi-Annually
Marine Nature Reserves		
Natural England	July 2019	Bi-Annually
National Nature Reserves		
Natural England	July 2019	Bi-Annually
National Parks		
Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones		
Environment Agency - Head Office	December 2017	Bi-Annually
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites		
Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest		
Natural England	March 2019	Bi-Annually
Special Areas of Conservation		
Natural England	June 2019	Bi-Annually
Special Protection Areas		
Natural England	April 2019	Bi-Annually

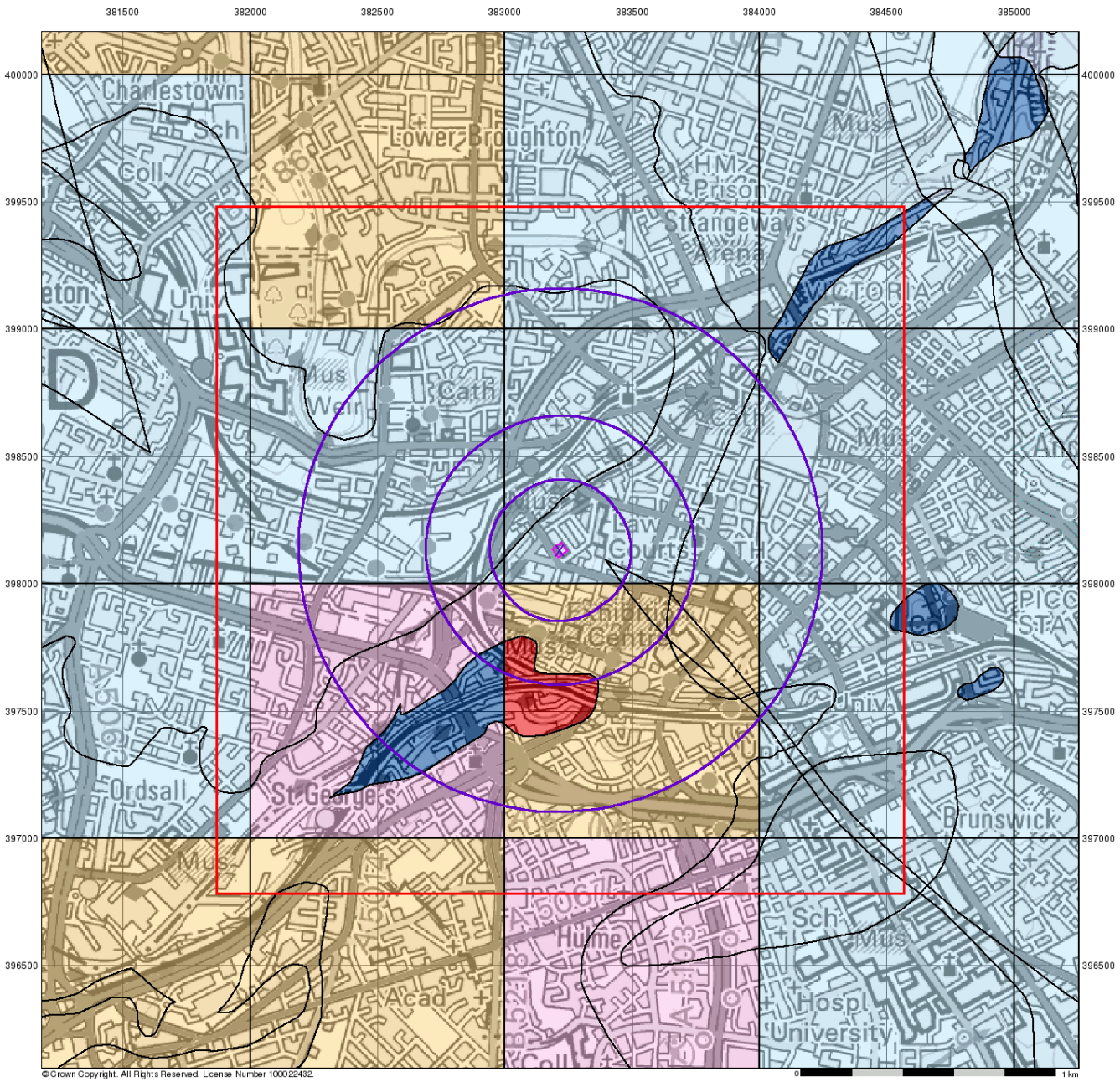
Data Suppliers

A selection of organisations who provide data within this report

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

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	**Salford City Council - Environmental Health Department** Crompton House, 100 Chorley Road, Swinton, Manchester, Greater Manchester, M27 2ES	Telephone: 0161 7370551 Fax: 0161 728 1956 Website: www.salford.gov.uk
5	**Scottish Environment Protection Agency - Head Office** Erskine Court, The Castle Business Park, Stirling, Stirlingshire, FK9 4TR	Telephone: 01786 457700 Fax: 01786 446885
6	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
7	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
8	**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
9	**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
10	**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.



Groundwater Vulnerability

General

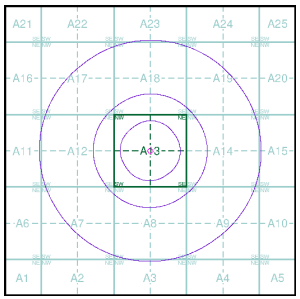
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

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



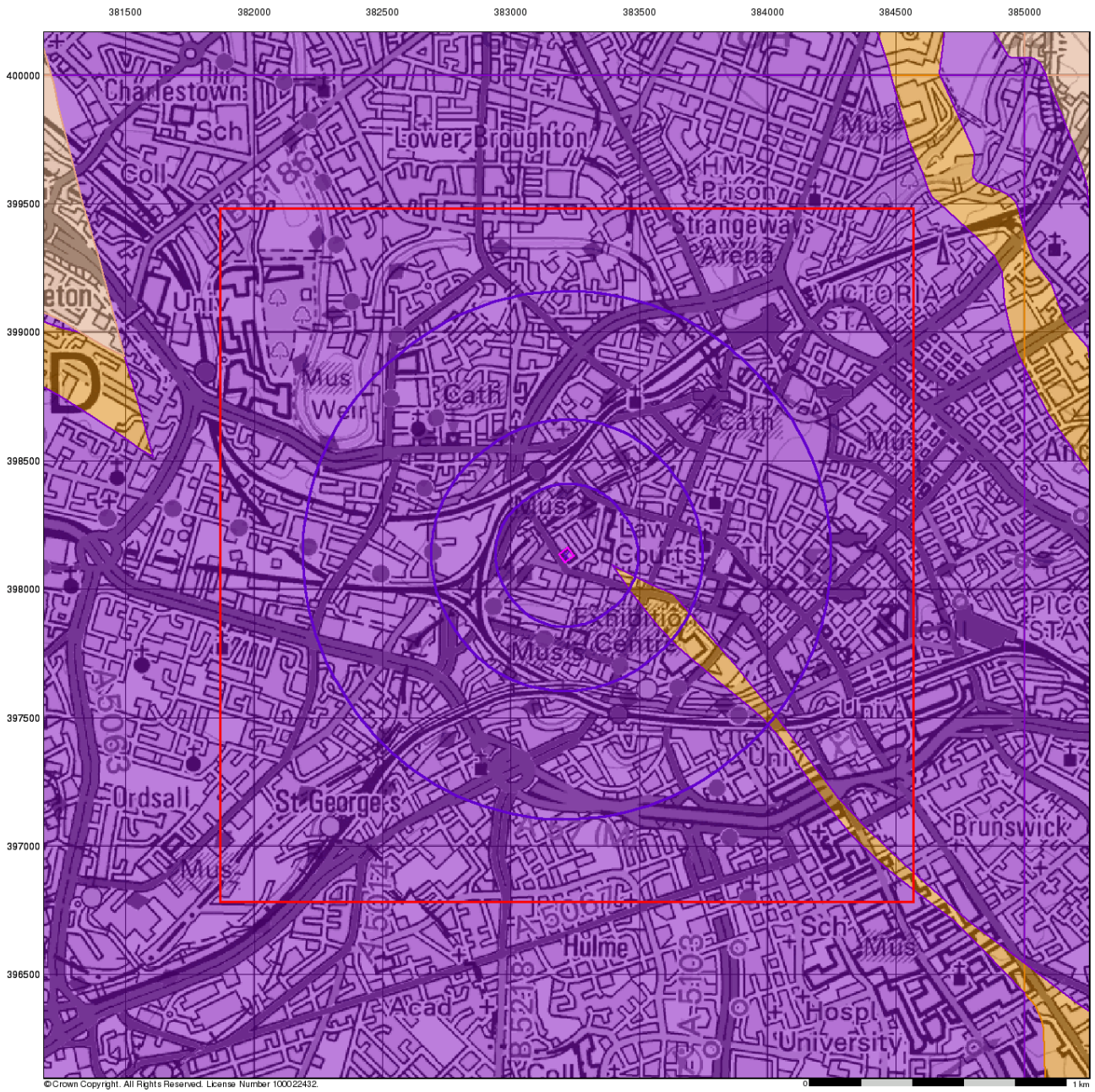
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Customer Ref:	B073971
National Grid Reference:	383220, 398130
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Site Area (Ha):	0.18
Search Buffer (m):	1000

Site Details

Manchester College of Arts & Technology, St. Johns Centre, 2, New Quay Street, Manchester, M3 3BE

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Web: www.envirocheck.co.uk



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Bedrock Aquifer Designation

General

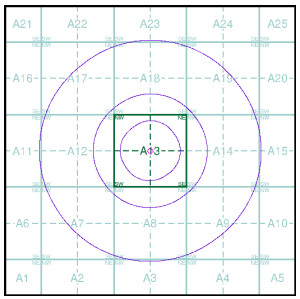
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



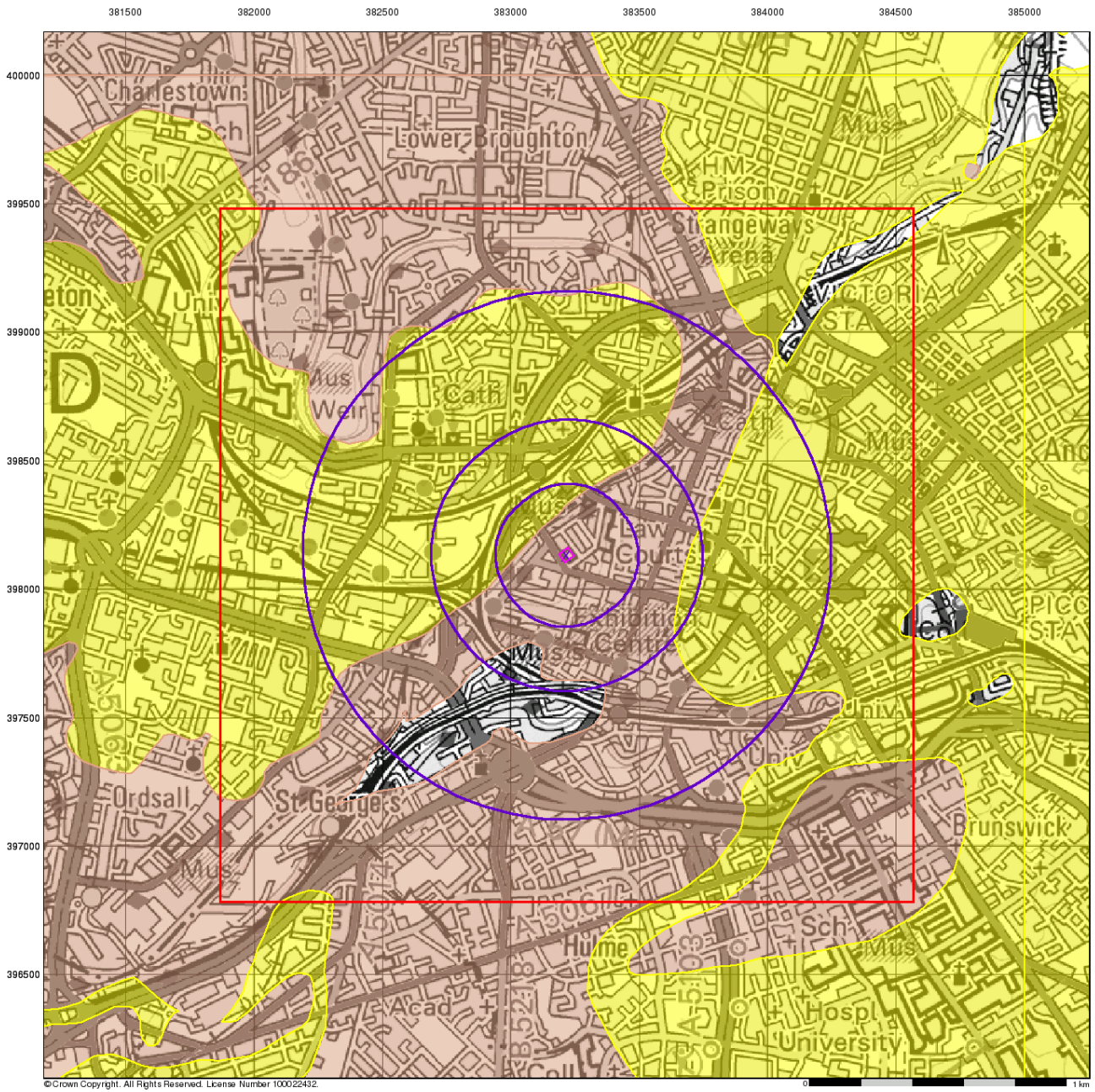
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Superficial Aquifer Designation

General

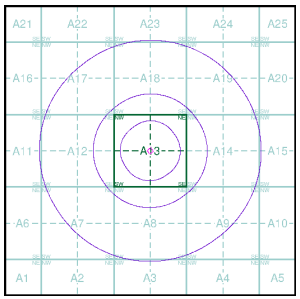
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



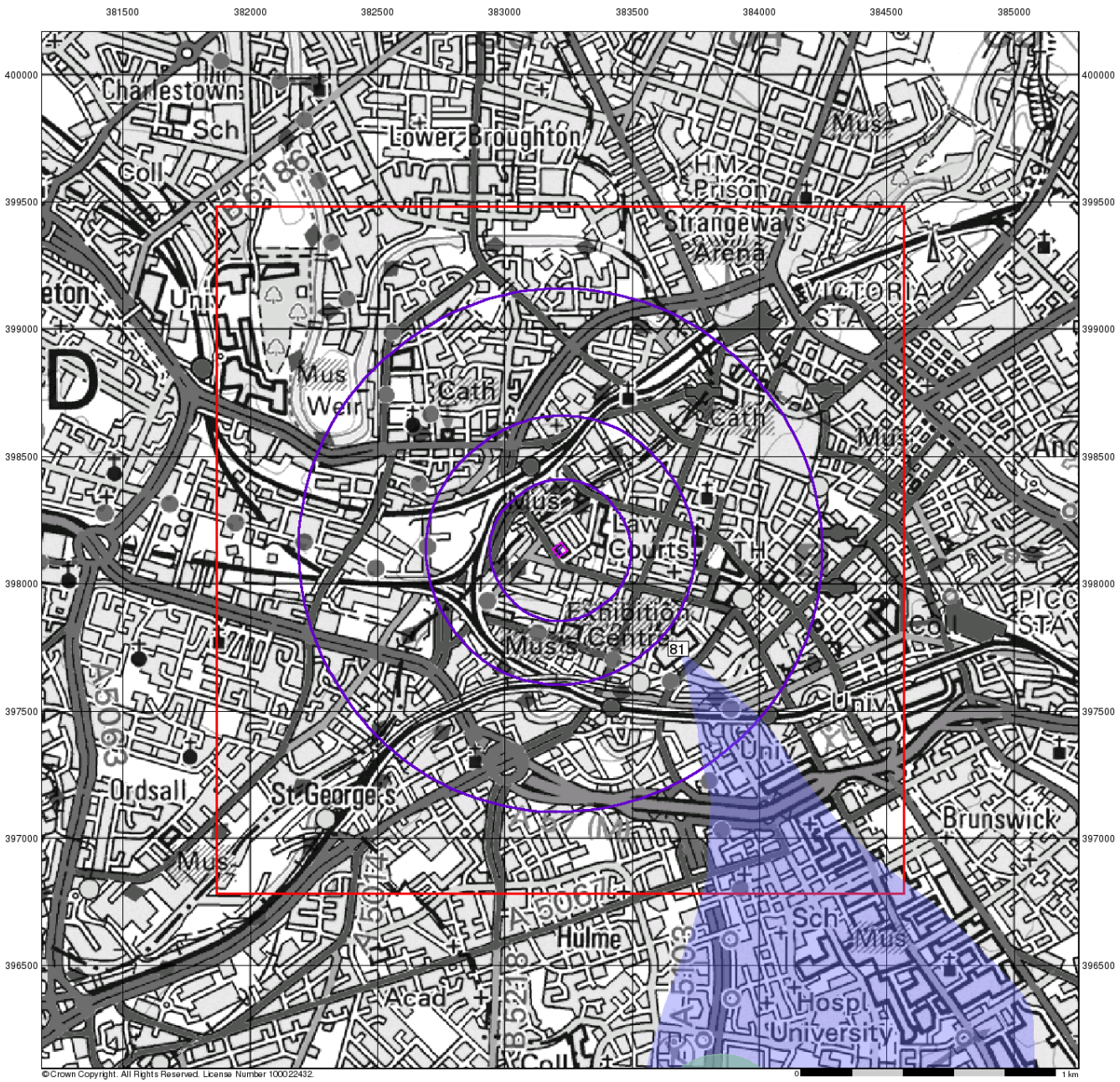
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Source Protection Zones

General

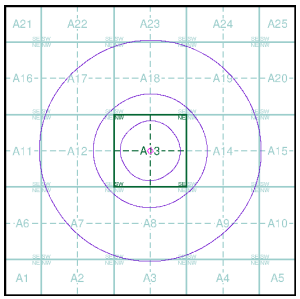
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

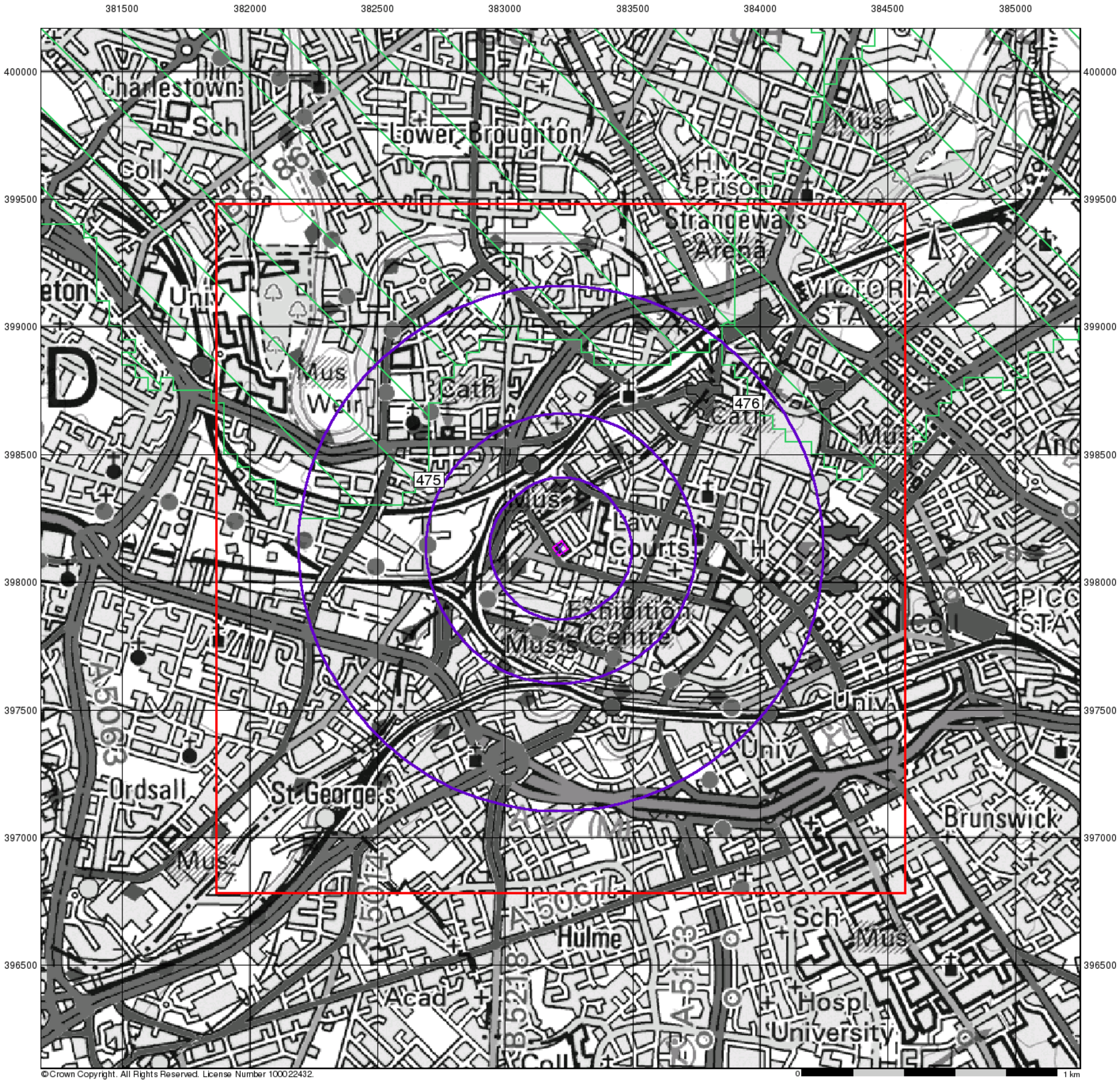
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Sensitive Land Uses

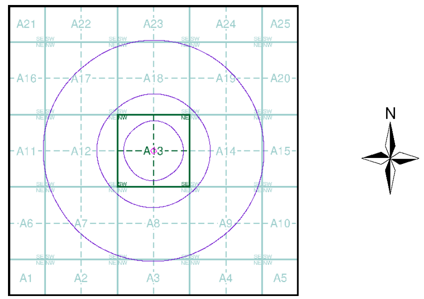
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

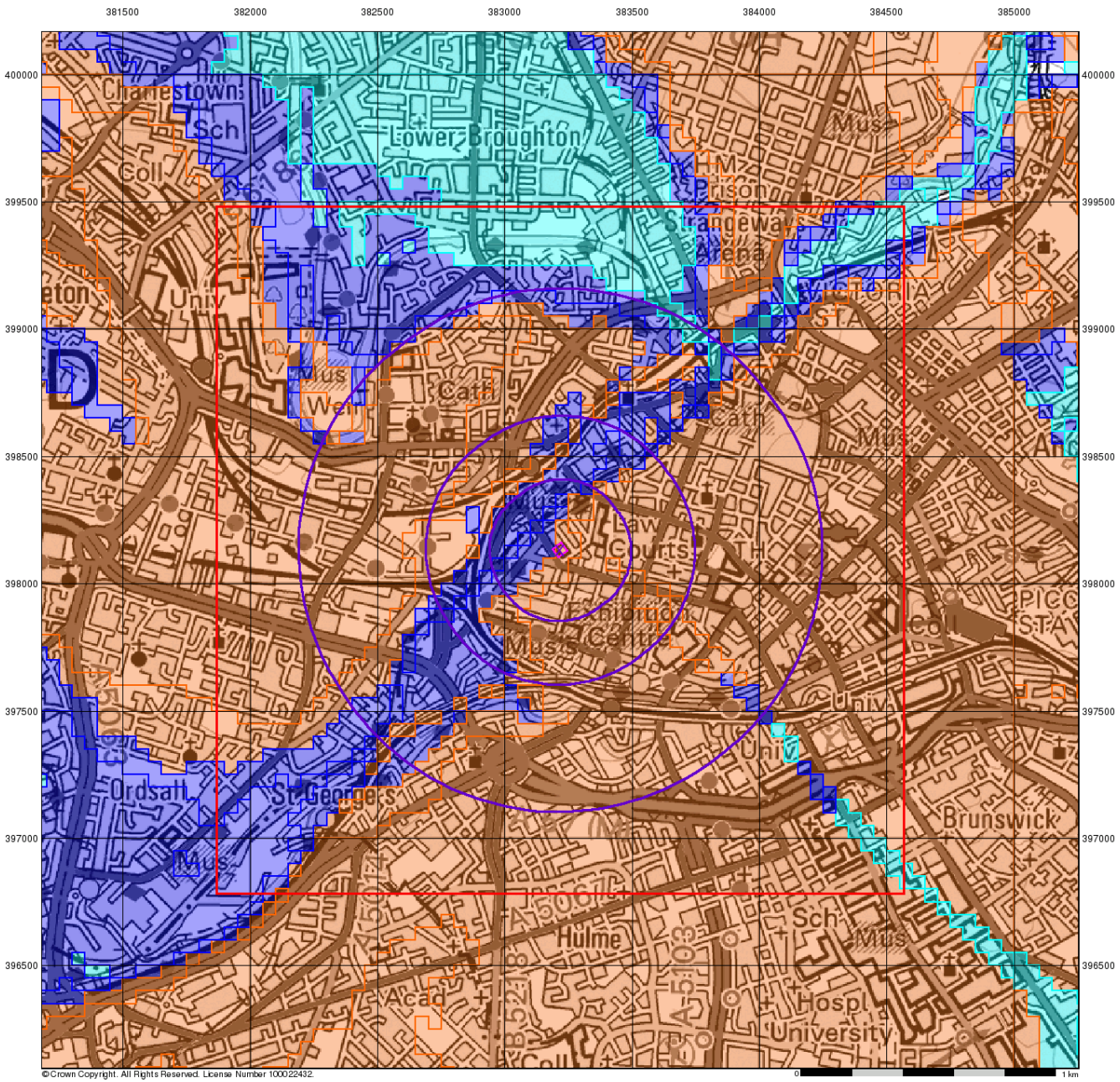
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BGS Flood GFS Data

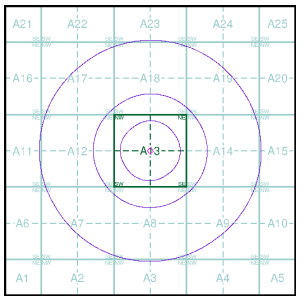
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	217261437_1_1
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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ETM	Etruria Formation	Sandstone and Mudstone	Not Supplied - Westphalian
		Faults		
		Rock Segments		

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary
	RTD2	River Terrace Deposits, 2	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CHES	Chester Formation	Sandstone	Not Supplied - Olenekian
	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
	PUCM	Pennine Upper Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	WDR	Worsley Delf Rock	Sandstone	Not Supplied - Westphalian
	OPS	Openshaw Sandstone	Sandstone	Not Supplied - Westphalian

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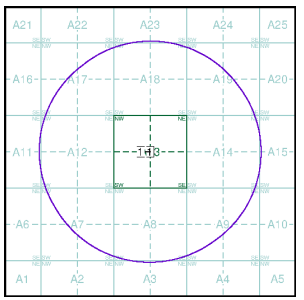
Geology 1:50,000 Maps

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

Geology 1:50,000 Maps Coverage

Map ID:	**1**
Map Sheet No:	**085**
Map Name:	**Manchester**
Map Date:	**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



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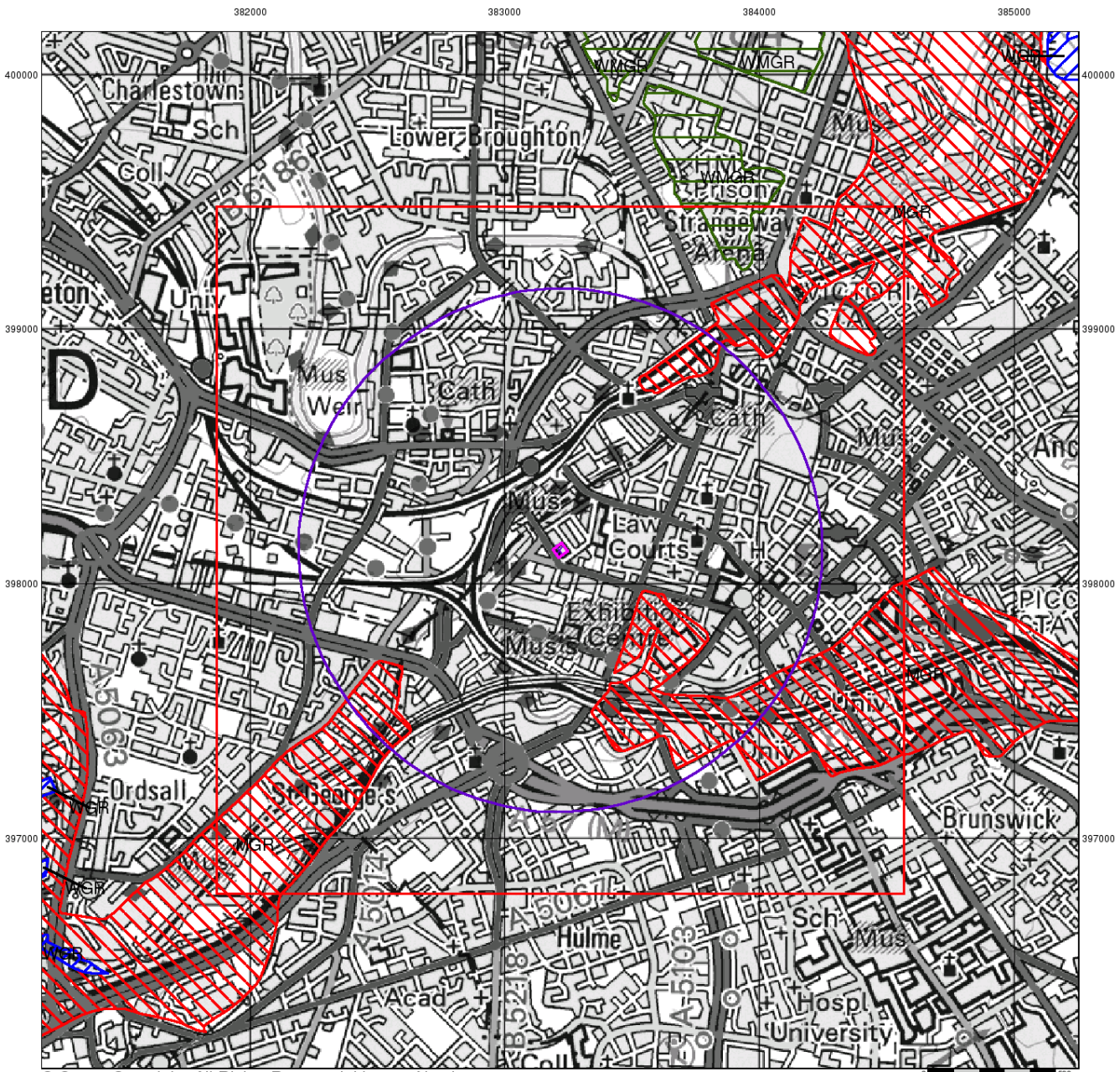
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Artificial Ground and Landslip

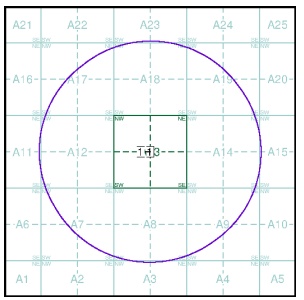
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A

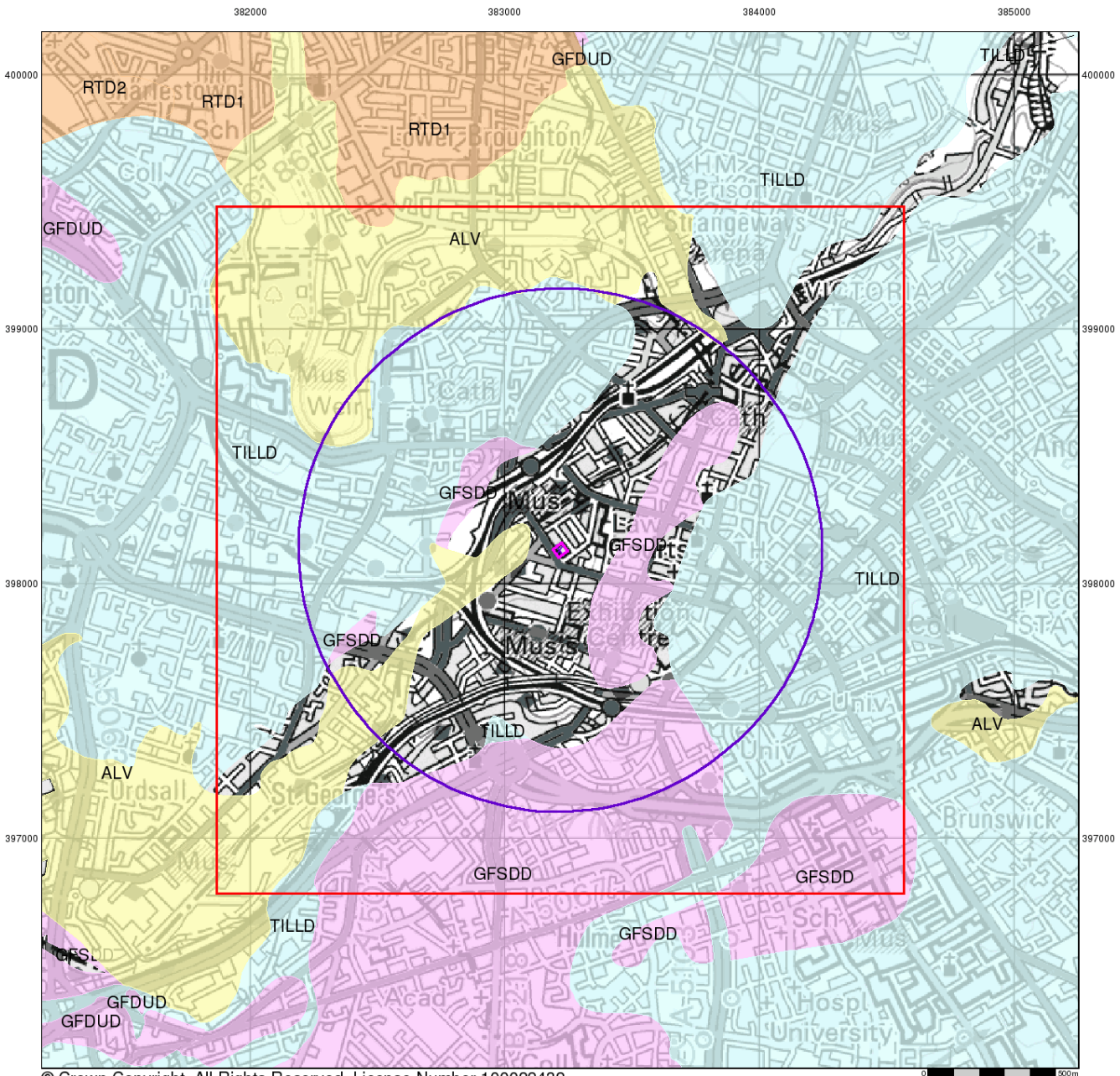


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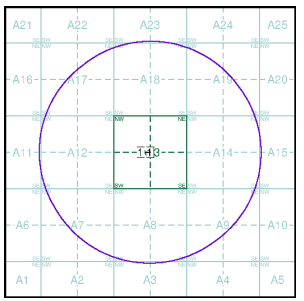
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



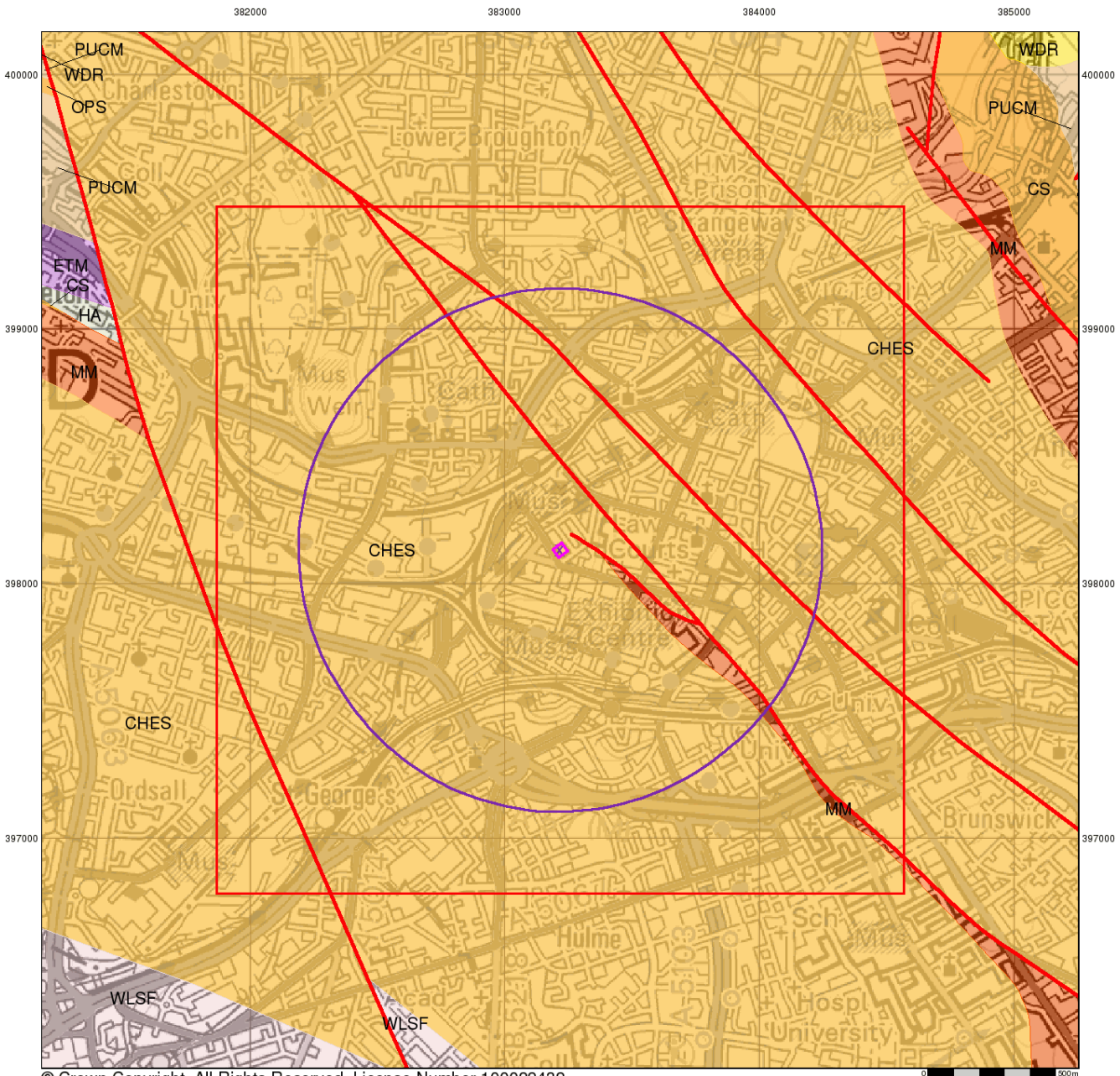
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Bedrock and Faults

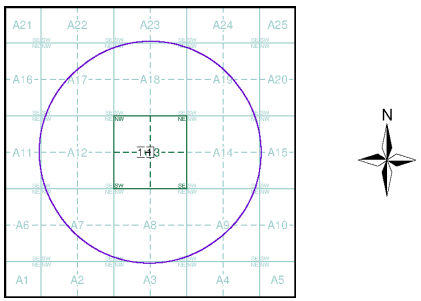
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



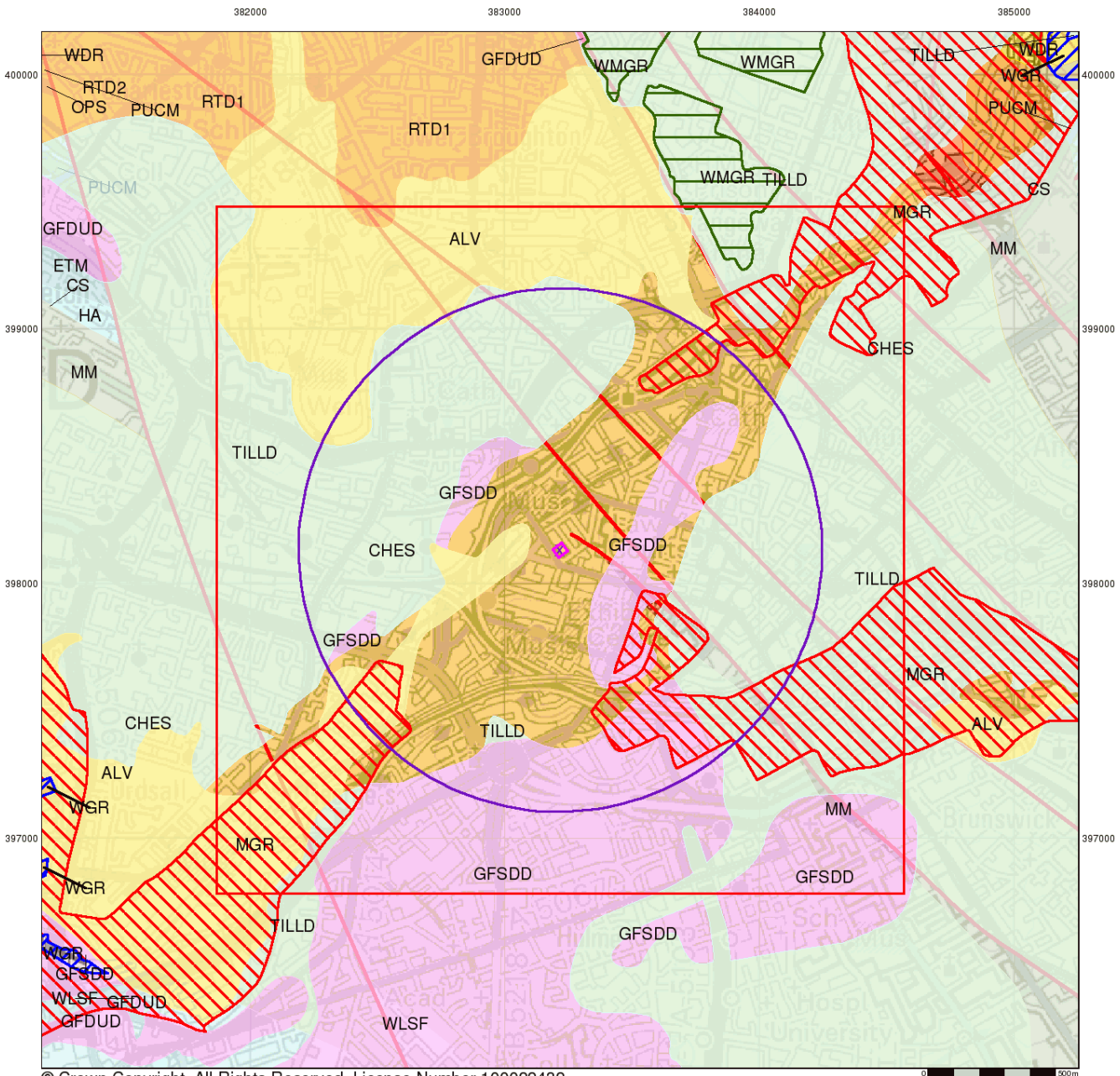
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Combined Surface Geology

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.

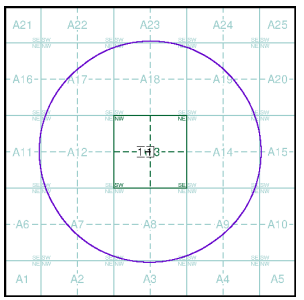
Additional Information

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

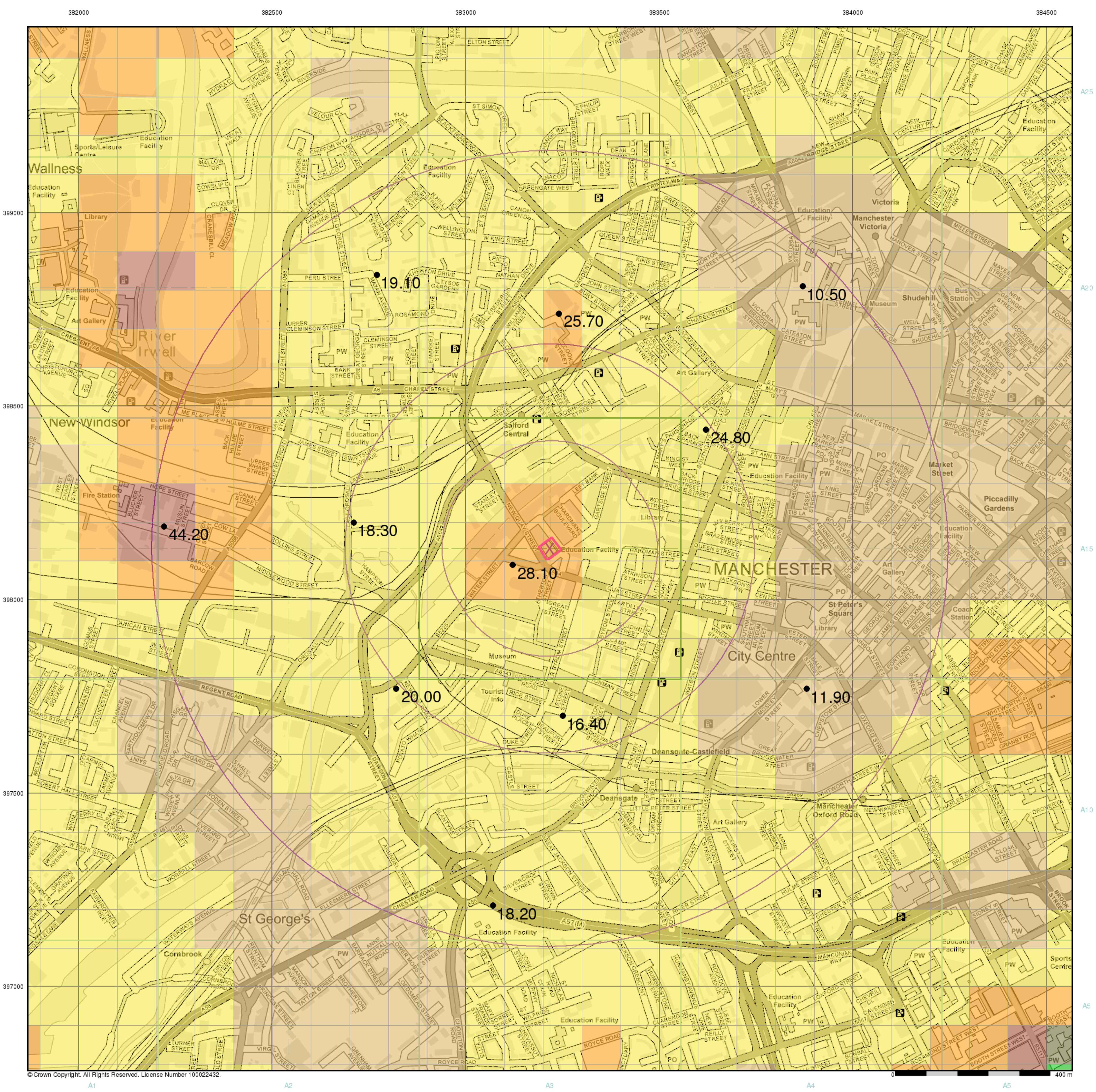


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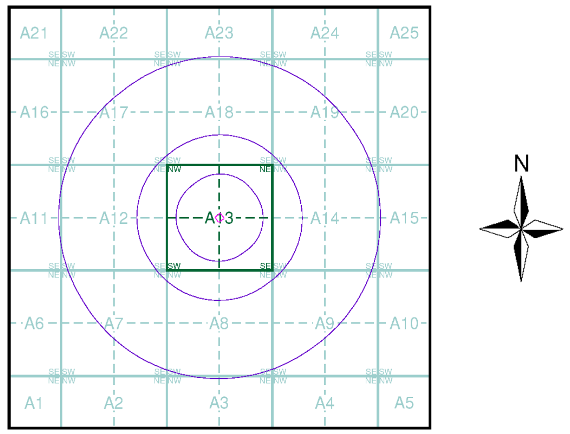
Urban Soil Chemistry Arsenic

● 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



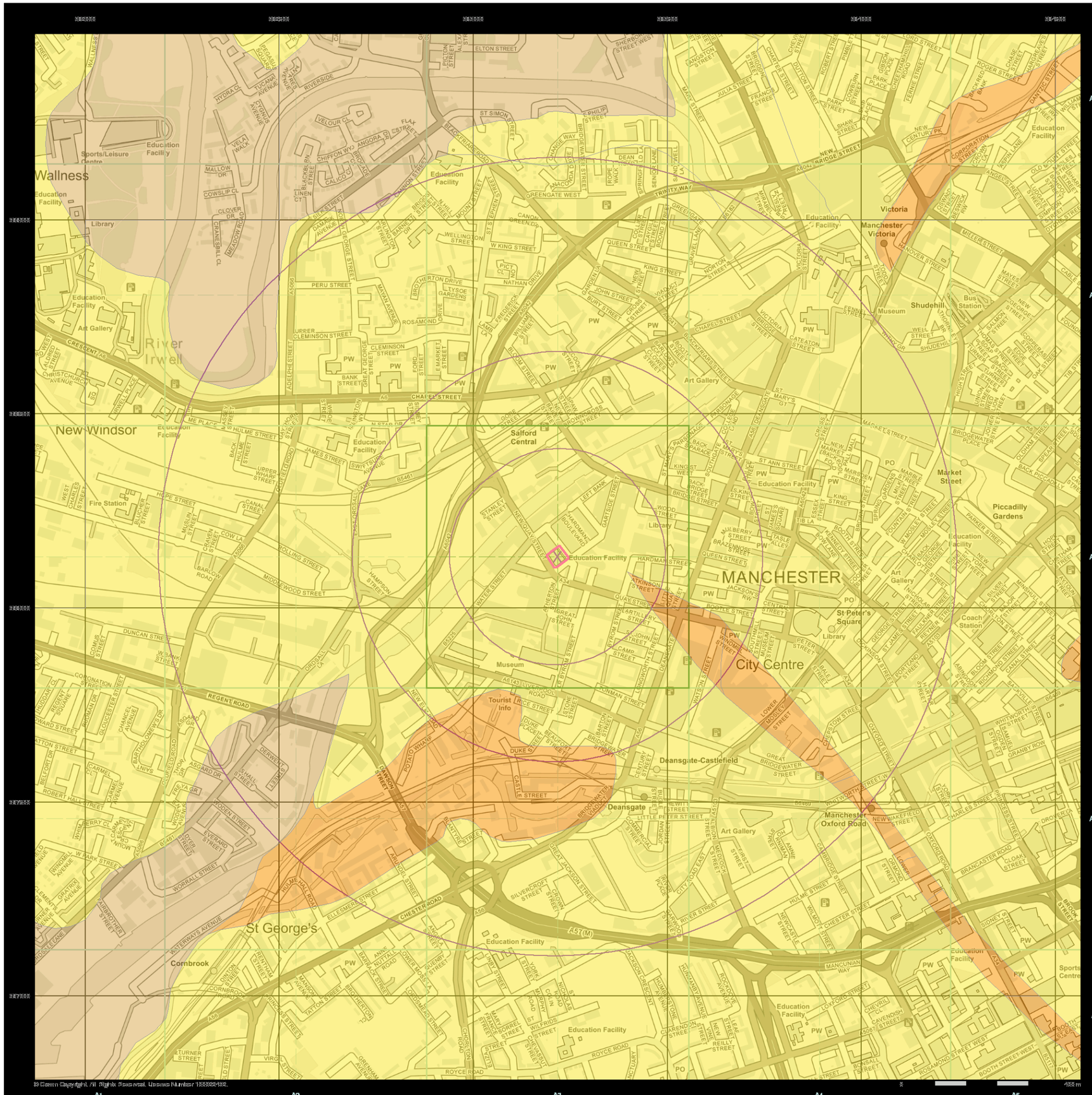
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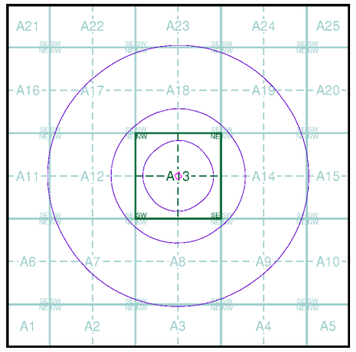
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Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

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

Estimated Soil Chemistry Arsenic - Slice A



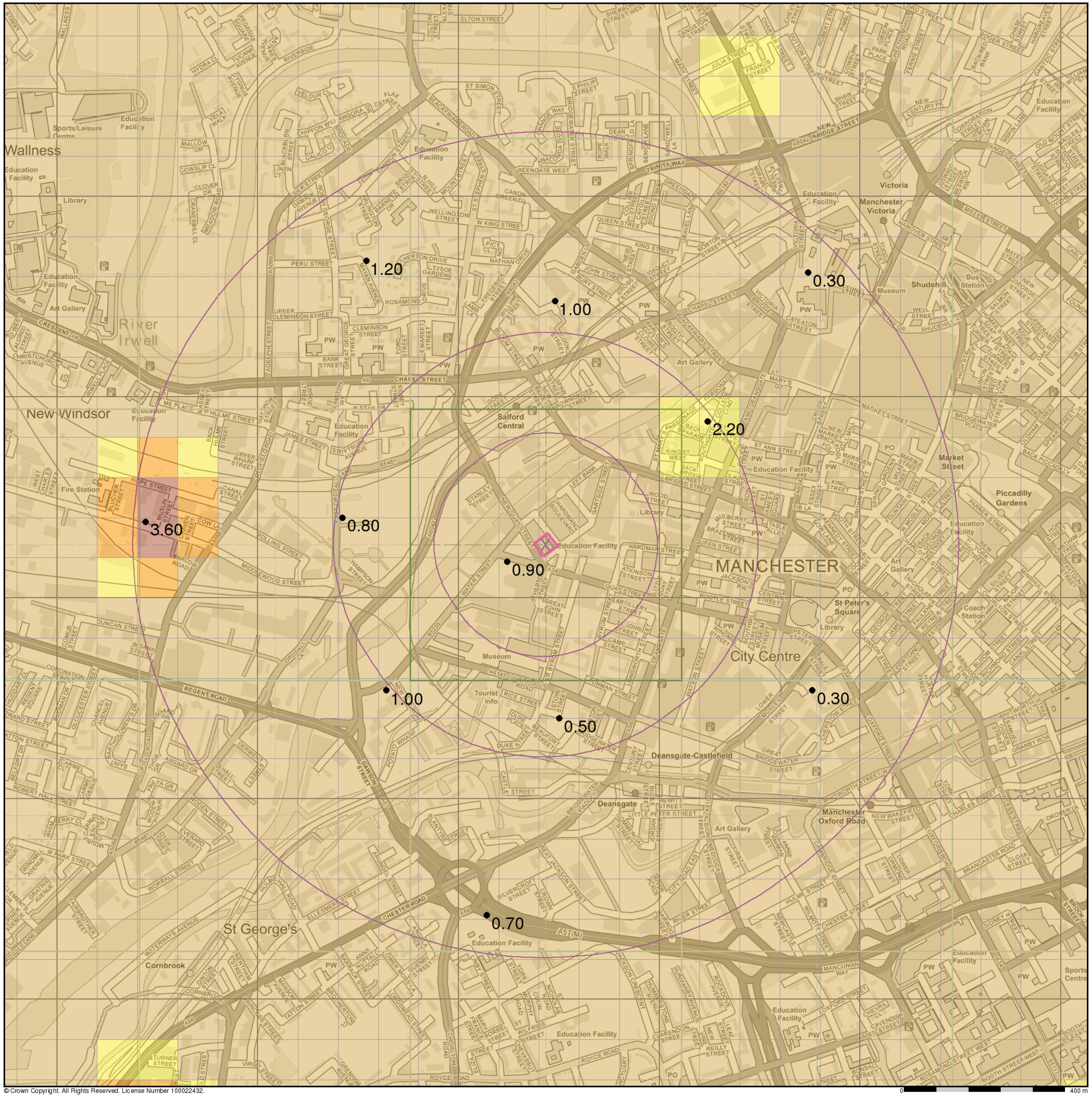
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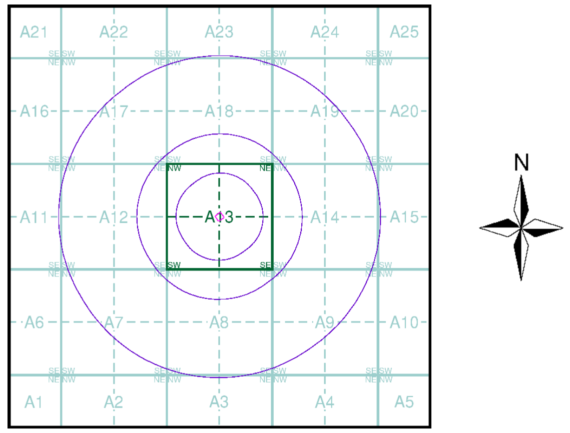
Urban Soil Chemistry Cadmium

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

Cadmium Concentrations mg/kg

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

Urban Soil Chemistry Cadmium - Slice A



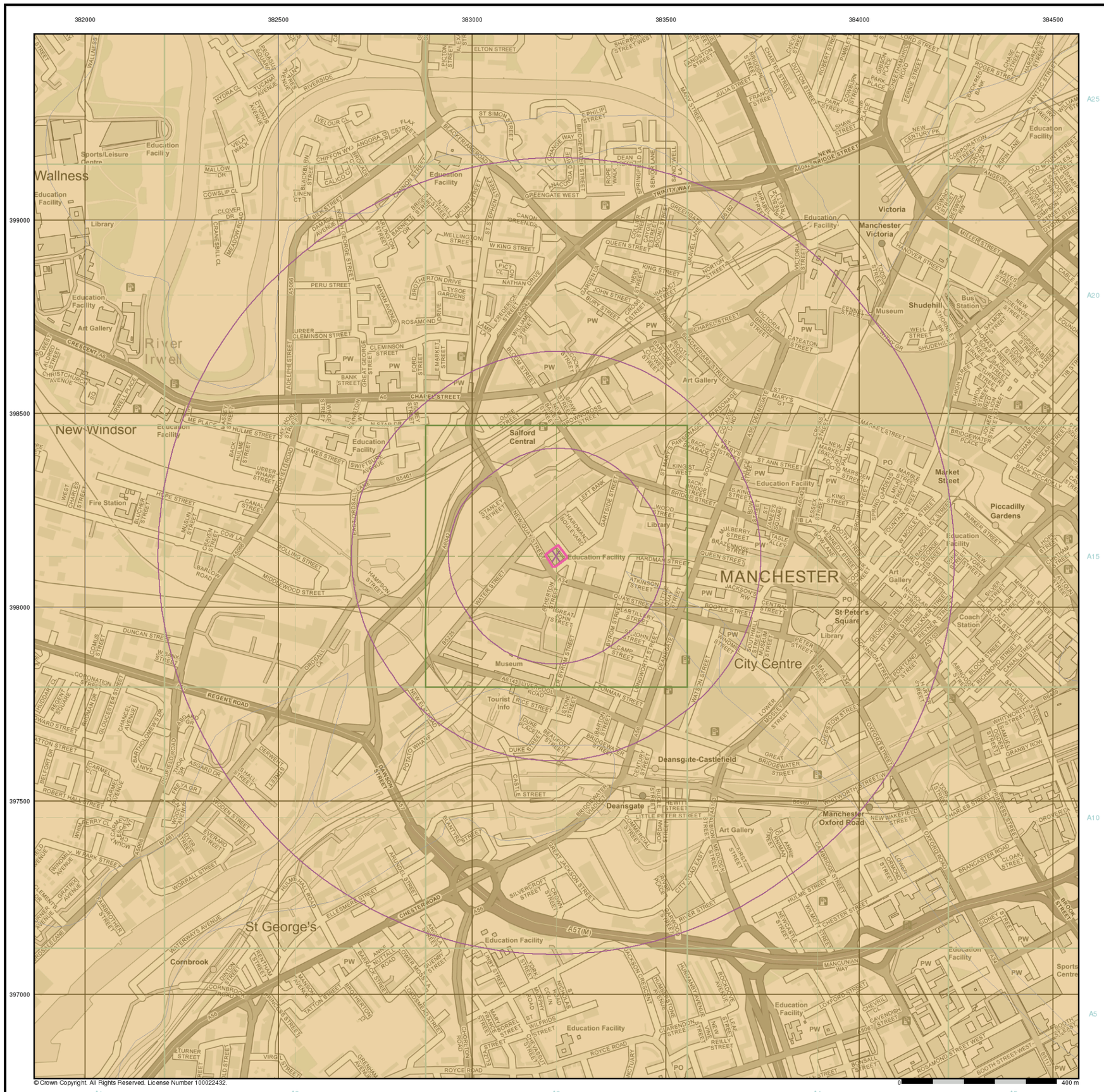
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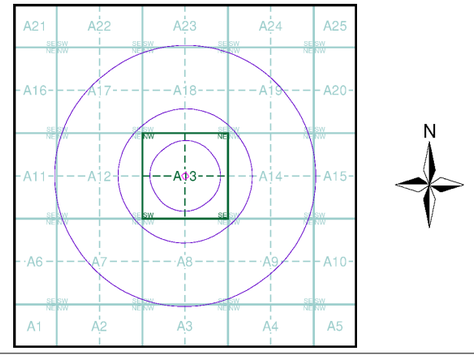
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Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

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

Estimated Soil Chemistry Cadmium - Slice A



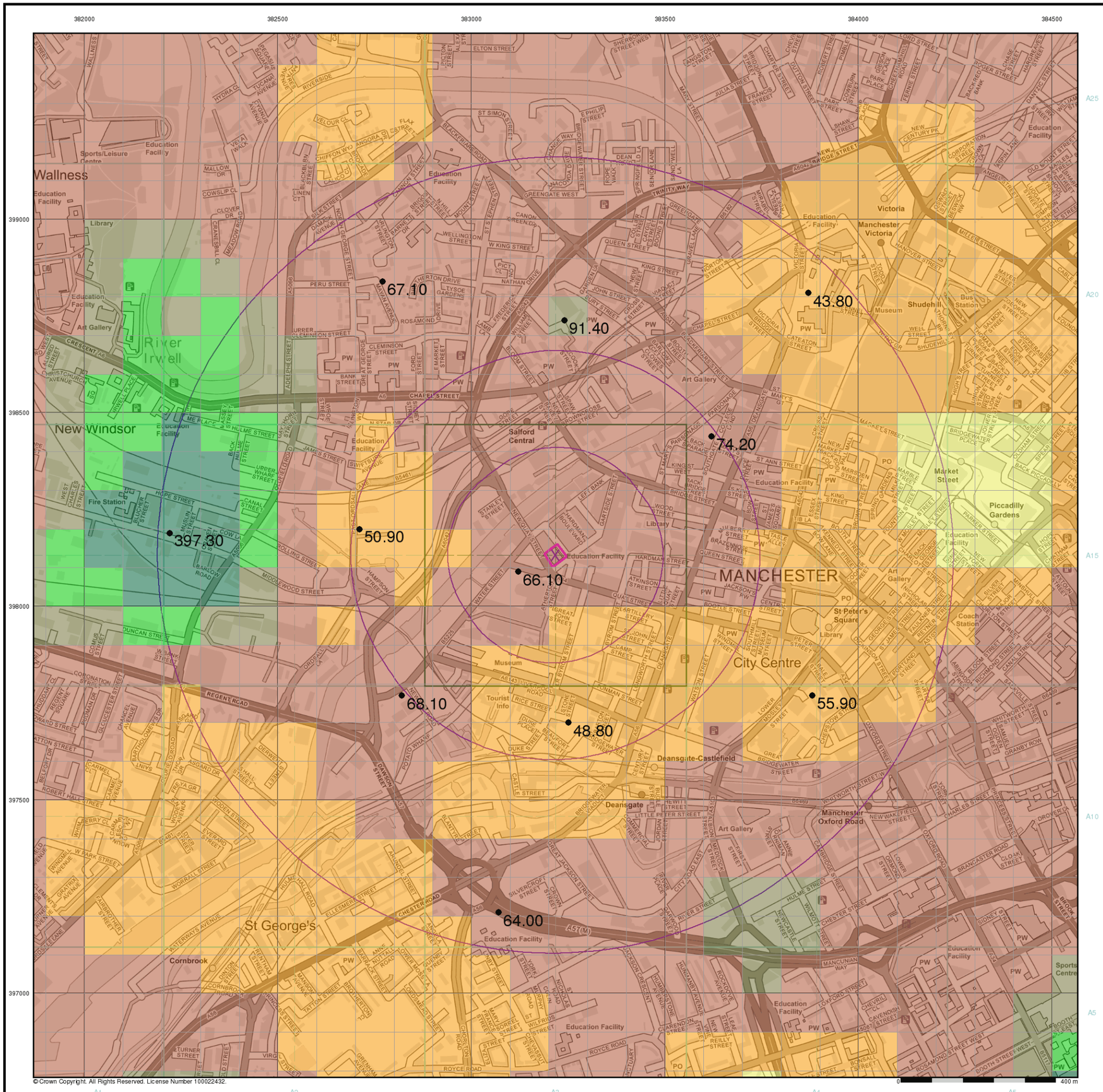
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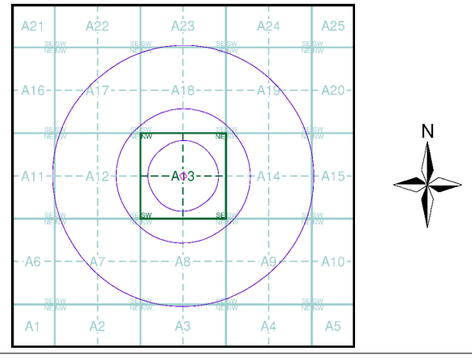
Urban Soil Chemistry Chromium

● 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



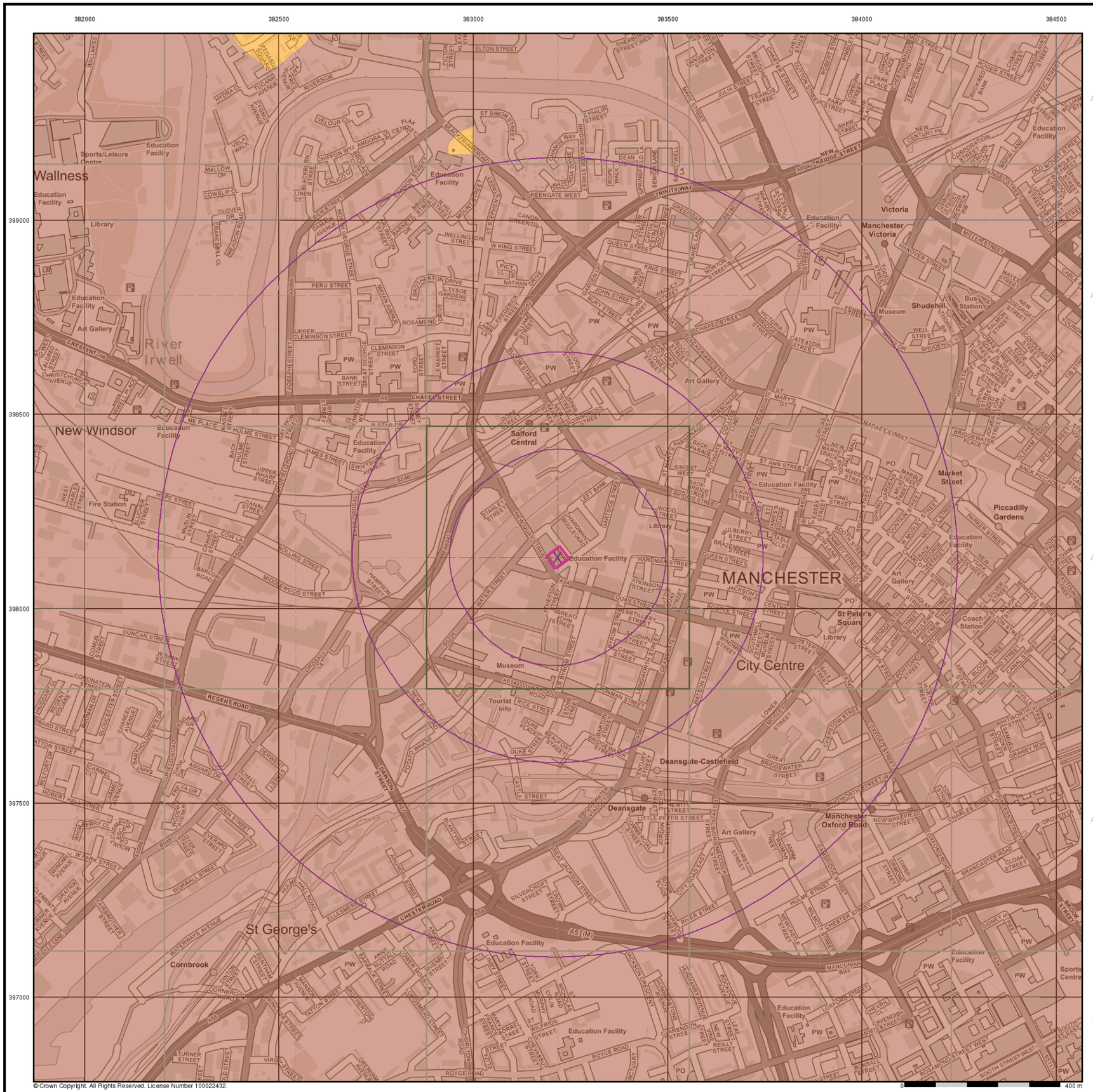
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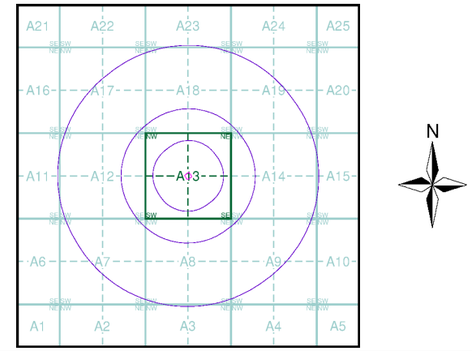
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Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A



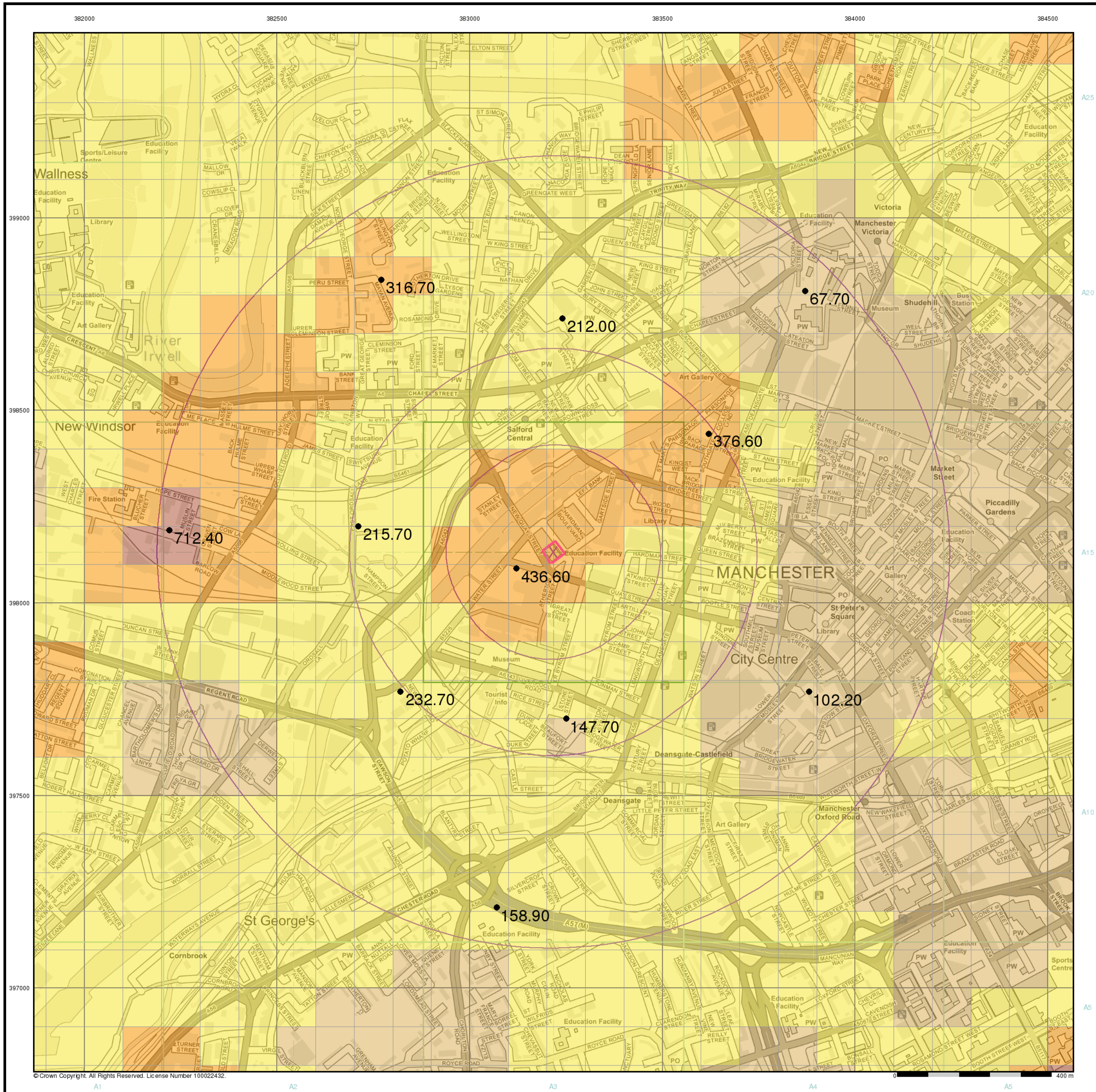
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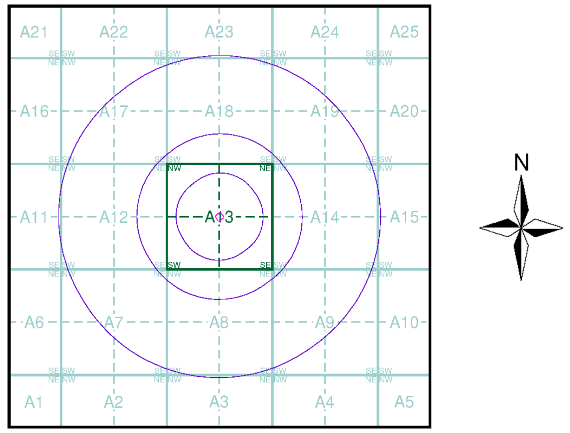
Urban Soil Chemistry Lead

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

Lead Concentrations mg/kg

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

Urban Soil Chemistry Lead - Slice A



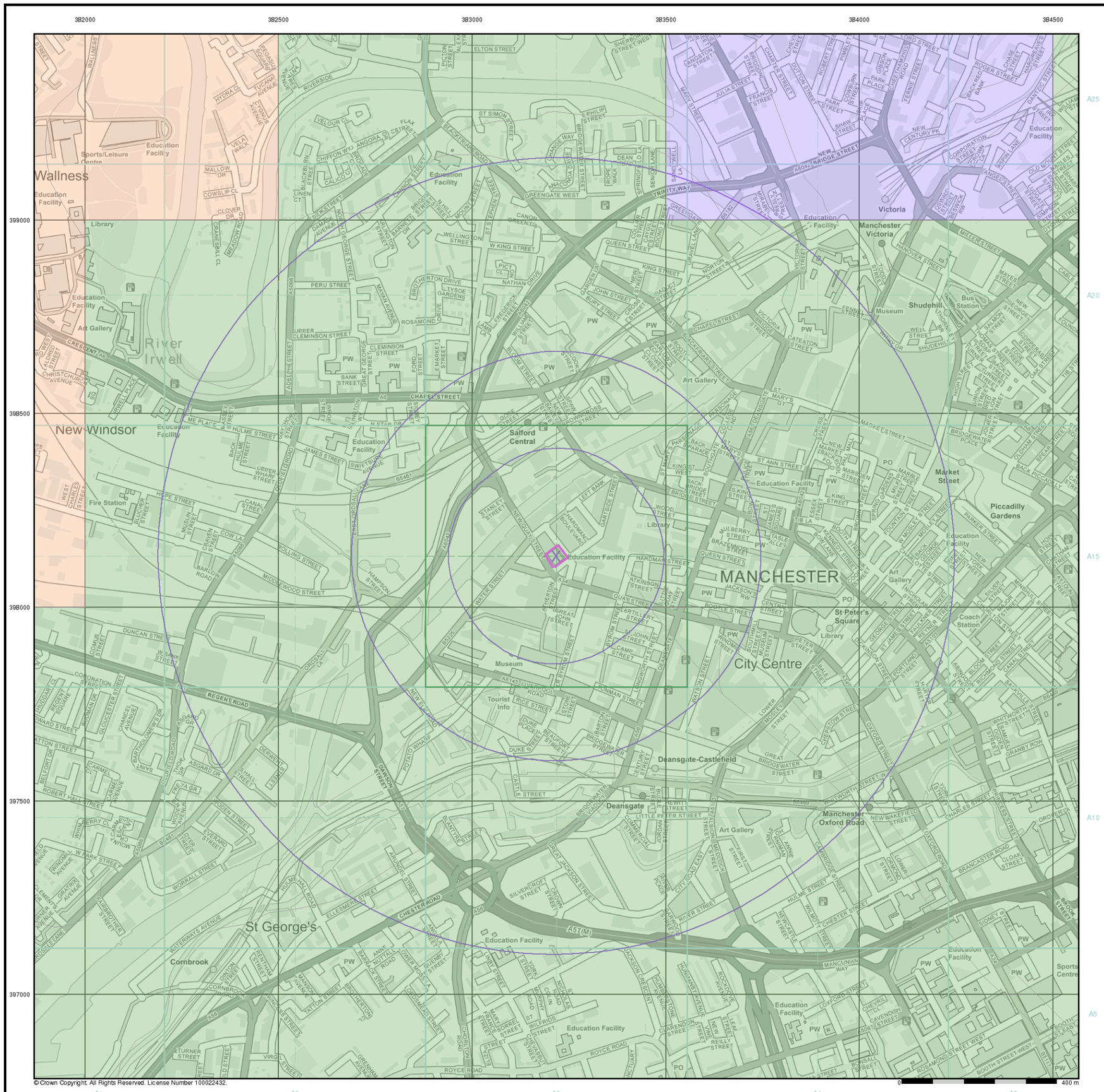
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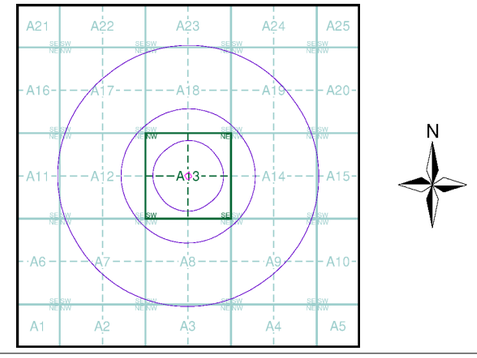
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



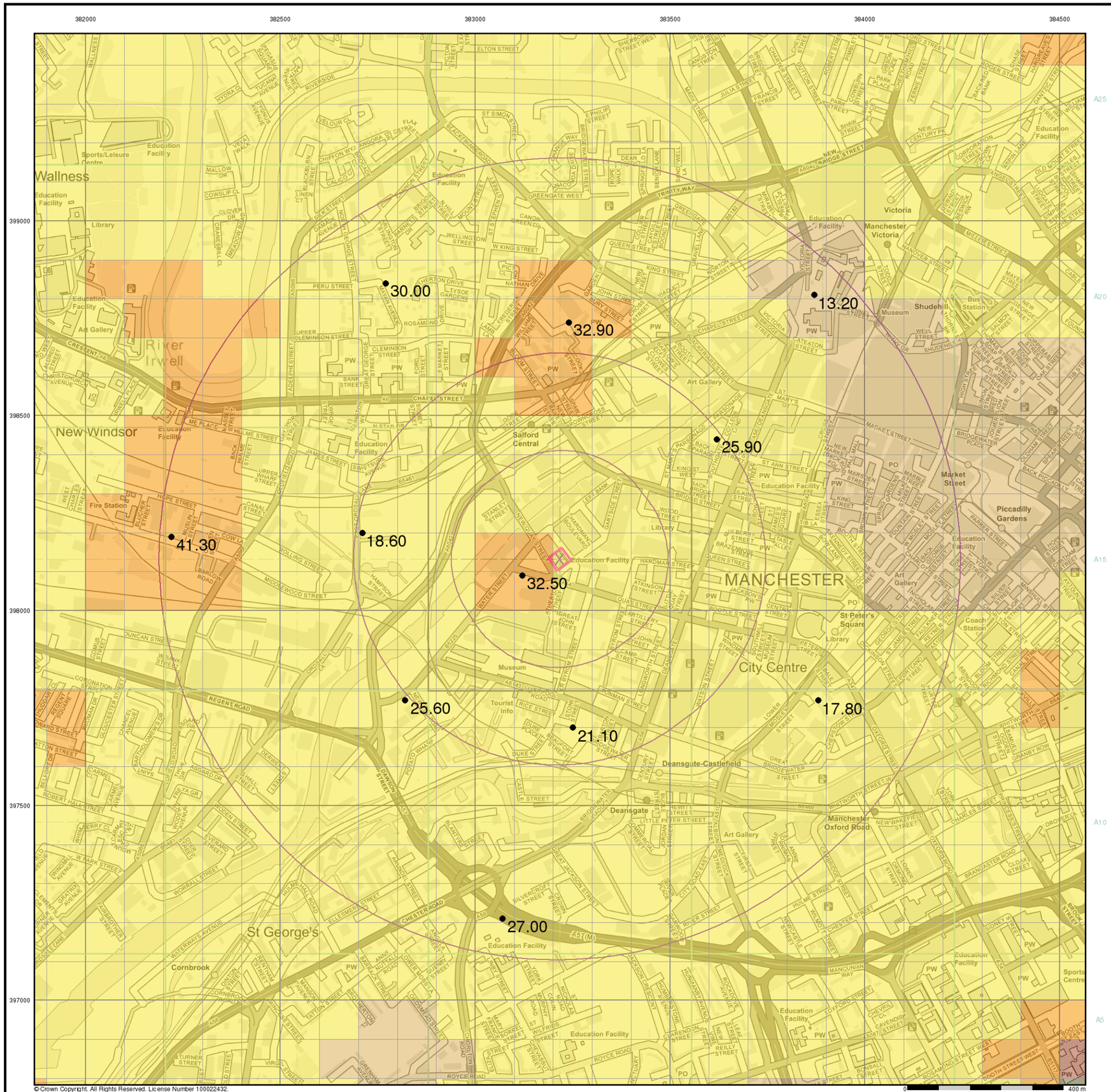
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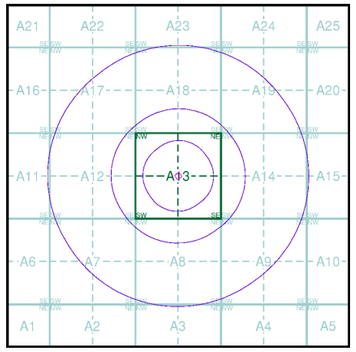
Urban Soil Chemistry Nickel

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

Nickel Concentrations mg/kg

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

Urban Soil Chemistry Nickel - Slice A

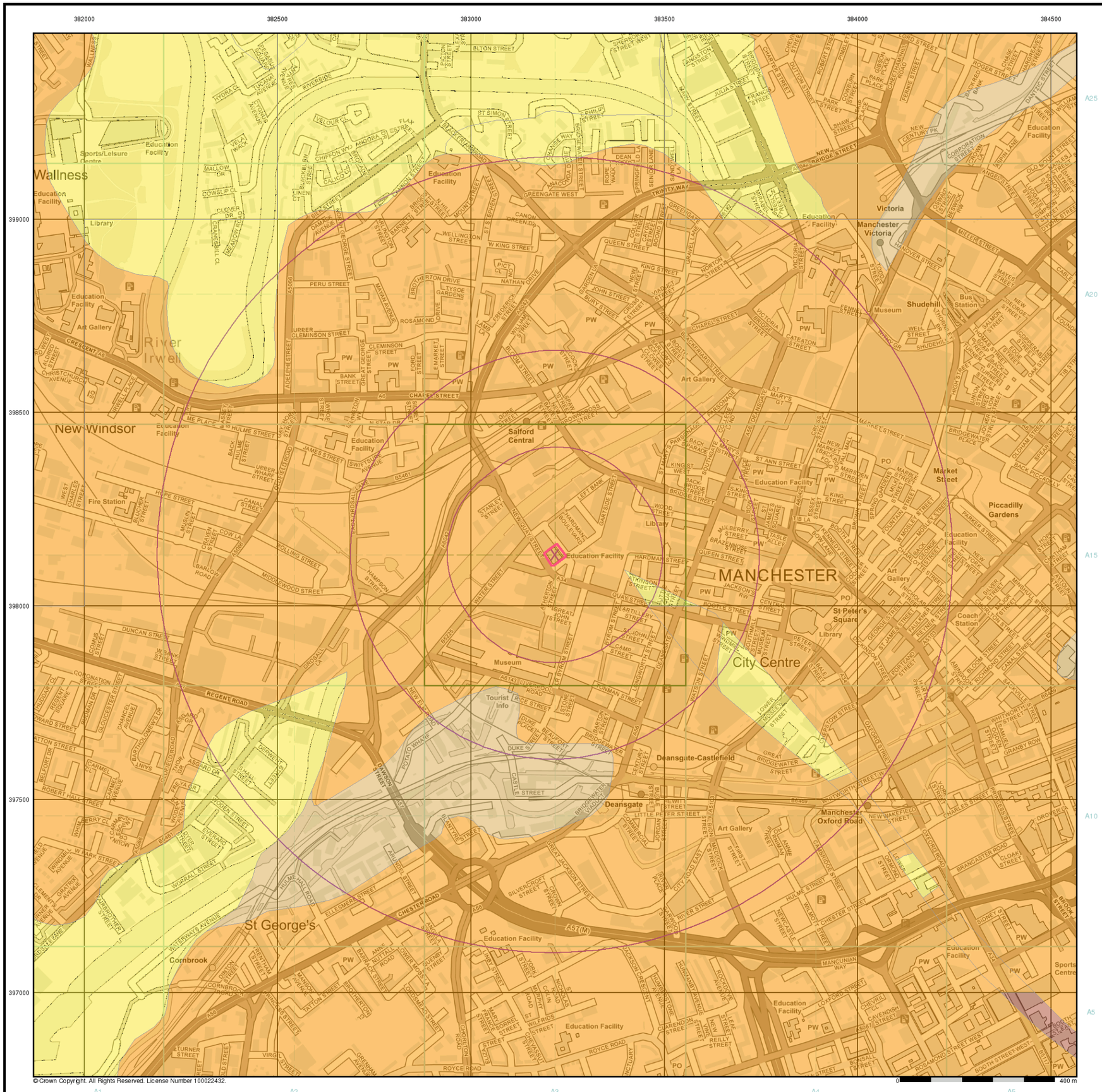


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National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
Search buffer (m):	1000

Site Details

Manchester College of Arts & Technology, St. Johns Centre, 2, New Quay Street, Manchester, M3 3BE



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General

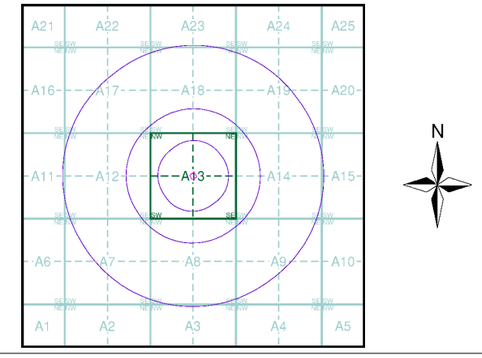
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

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

Estimated Soil Chemistry Nickel - Slice A



Order Details

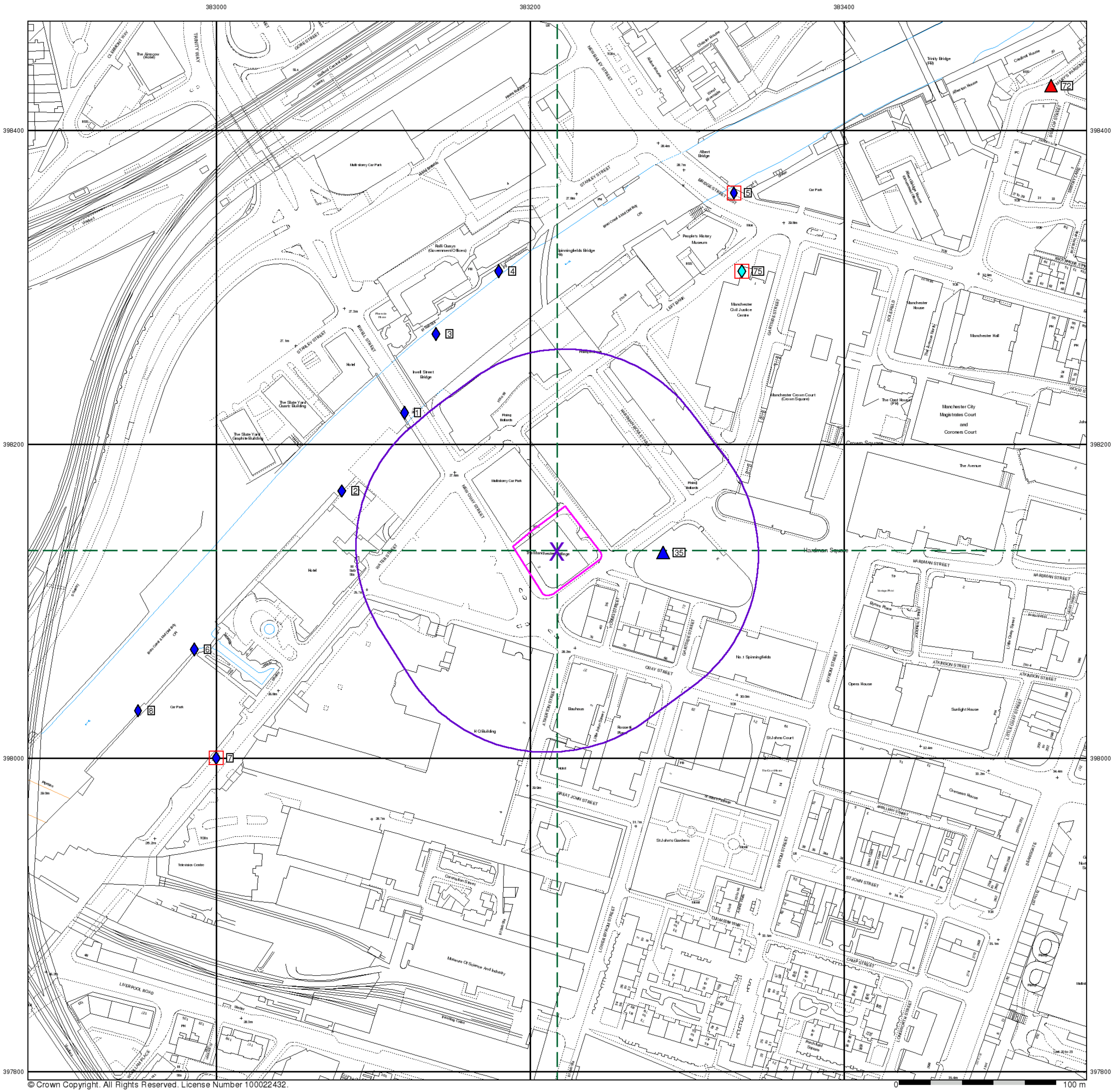
Order Details:	217261437_1_1
Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
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Site Details

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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

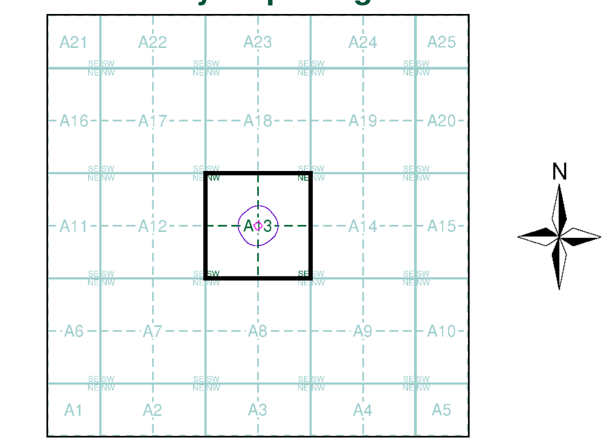
Geological

- 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



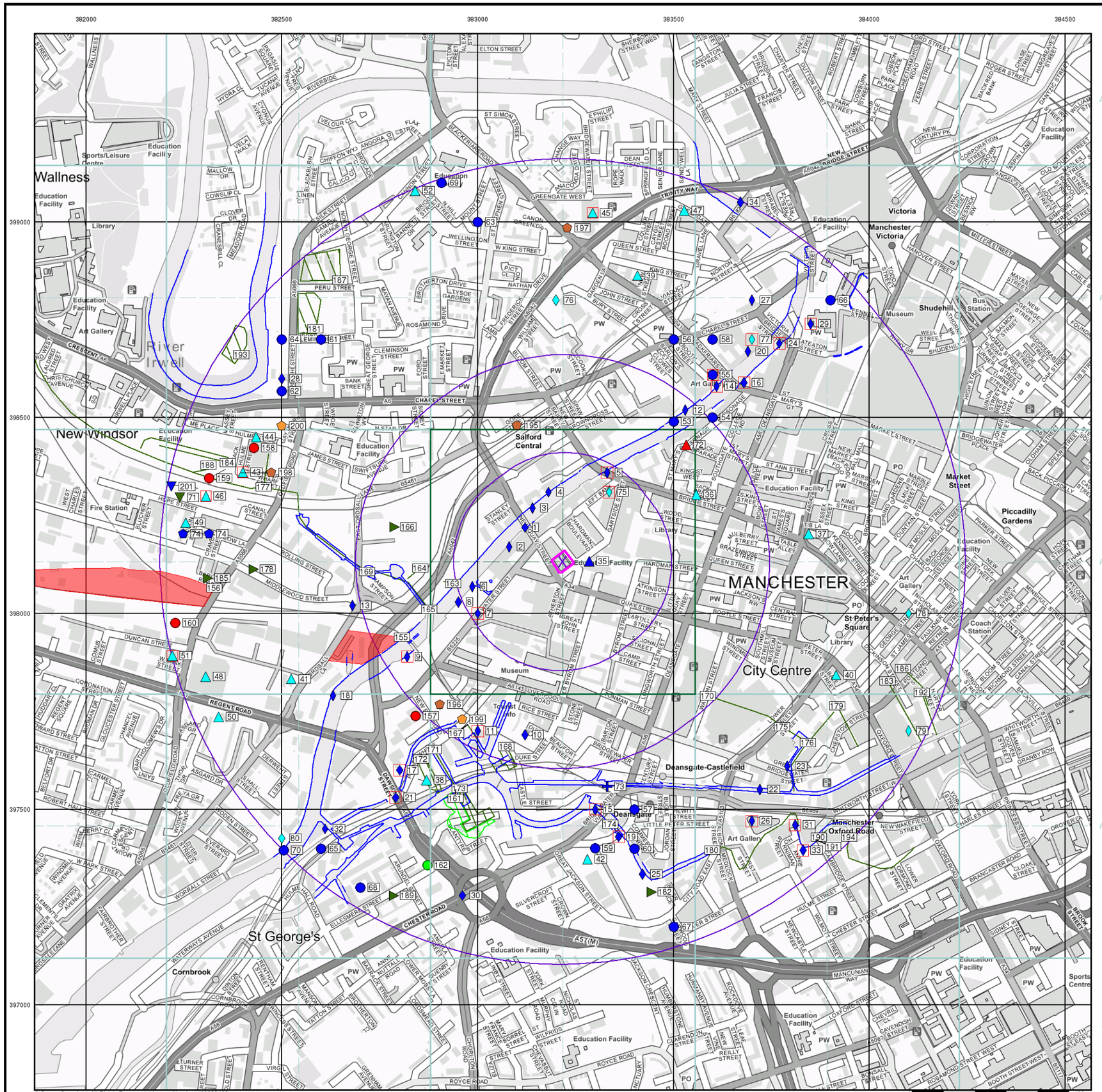
Order Details

Order Number: 217261437_1_1
Customer Ref: B073971
National Grid Reference: 383220, 398130
Slice: A
Site Area (Ha): 0.18
Plot Buffer (m): 100

Site Details

Manchester College of Arts & Technology, St. Johns Centre, 2, New Quay Street, Manchester, M3 3BE

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General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
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- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

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

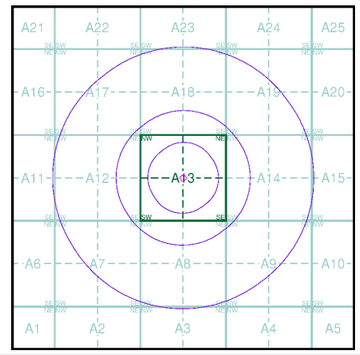
Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
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- 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

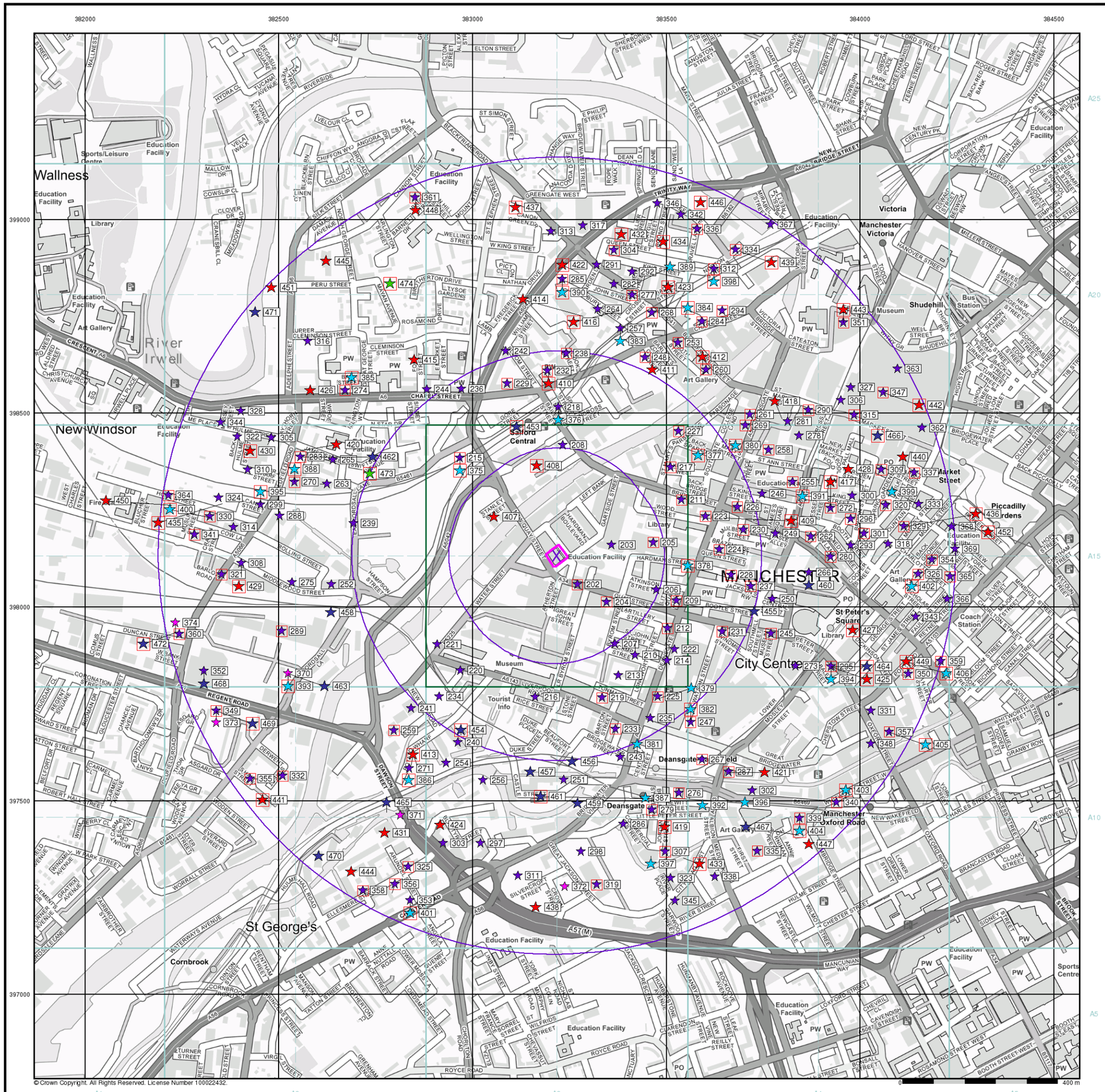
Order Number:	217261437_1_1
Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
Search Buffer (m):	1000

Site Details

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Industrial Land Use Map

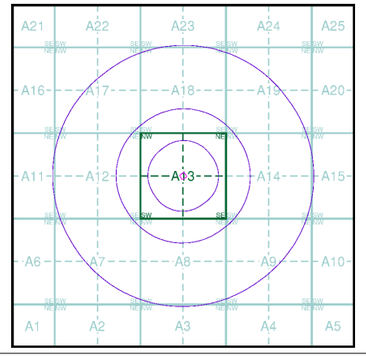
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

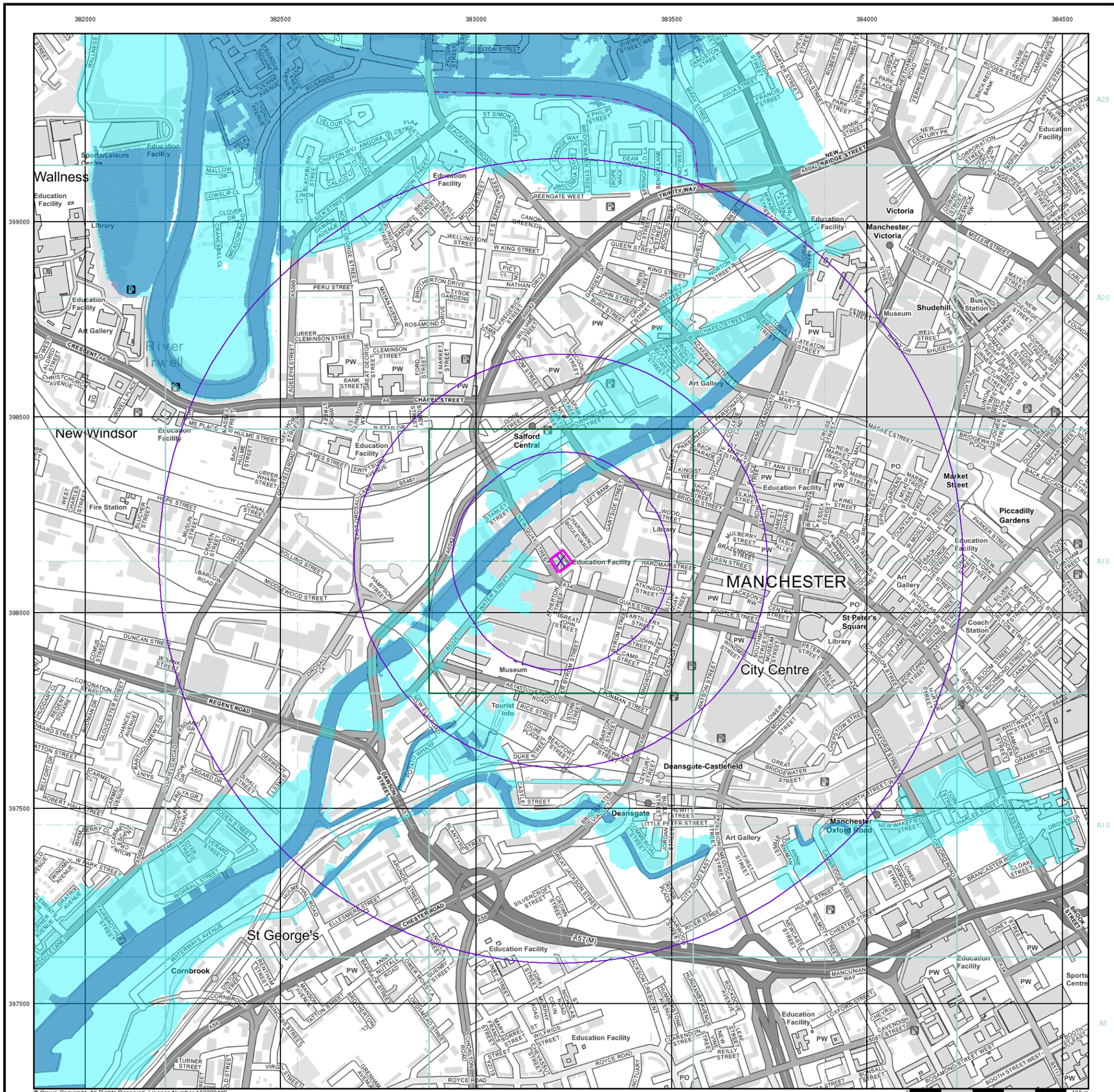
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Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
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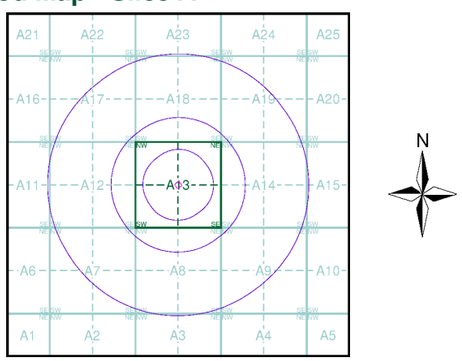
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

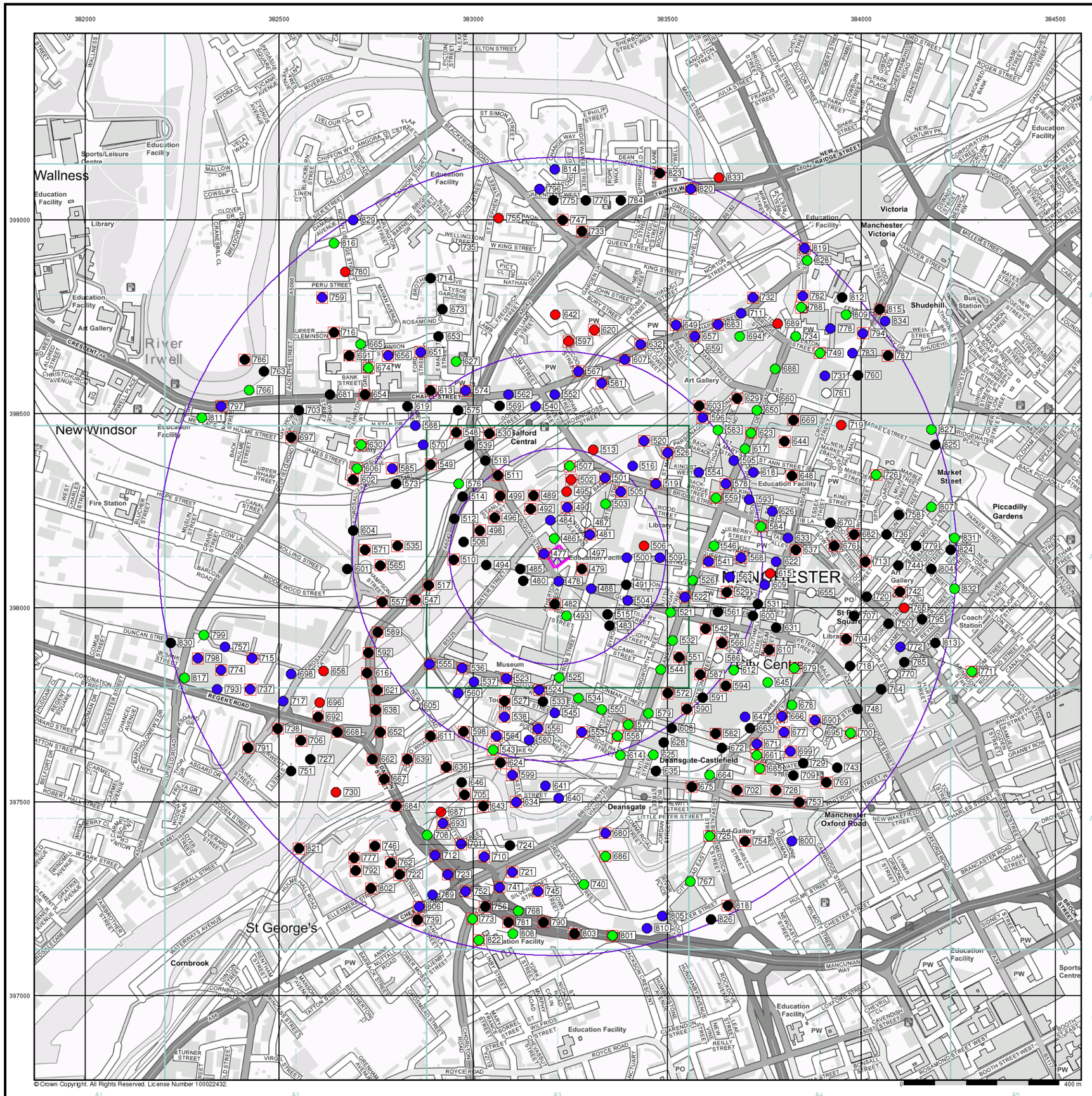
Order Number:	217261437_1_1
Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
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General

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

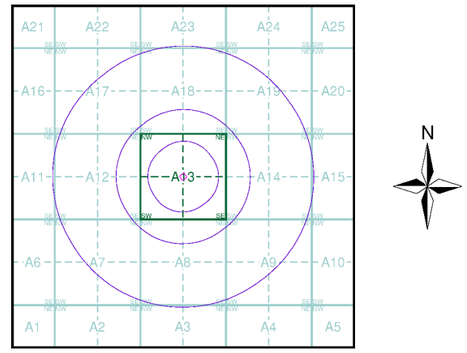
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

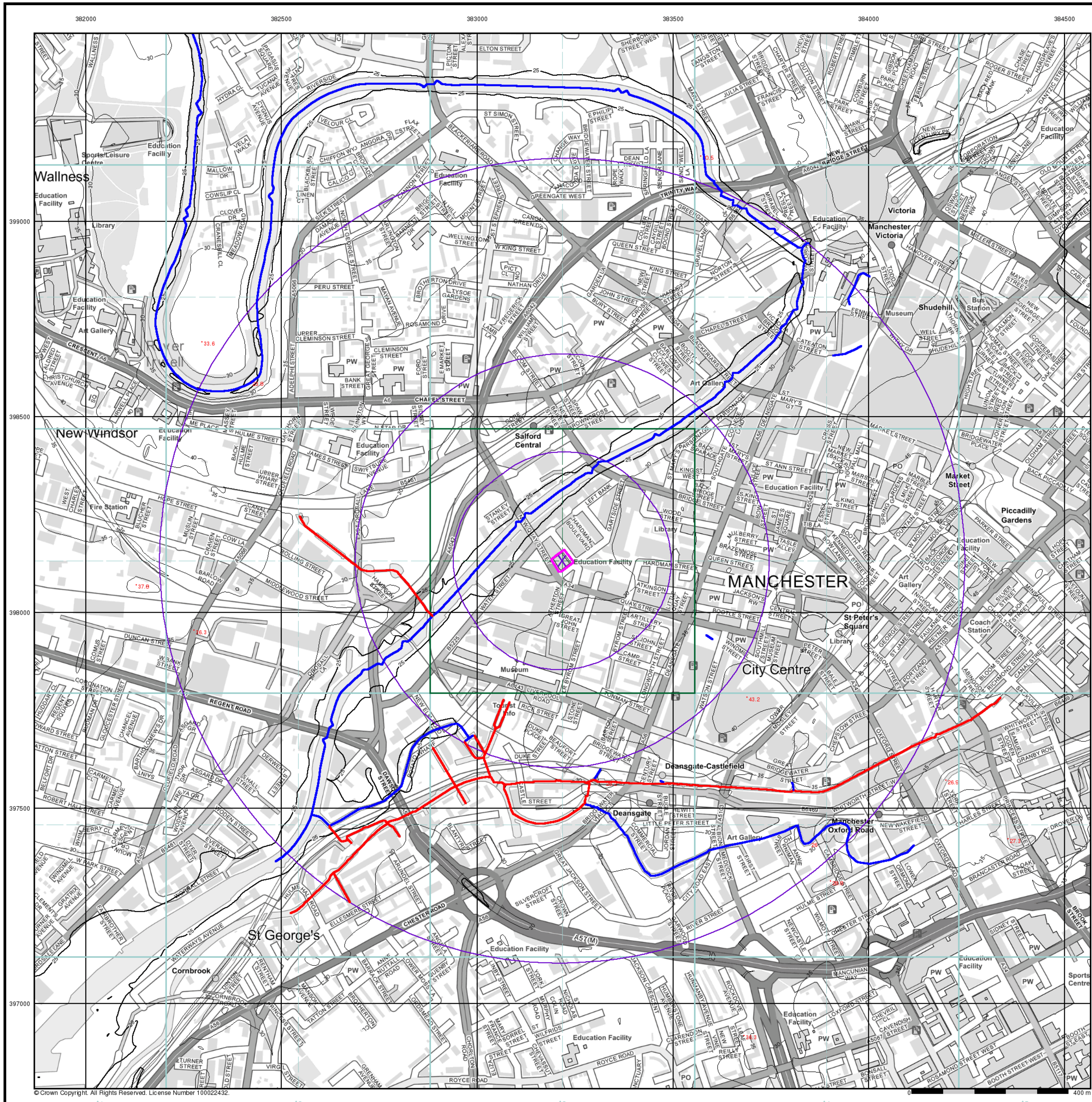
Order Number:	217261437_1_1
Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
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General

Specified Site
Specified Buffer(s)
Bearing Reference Point

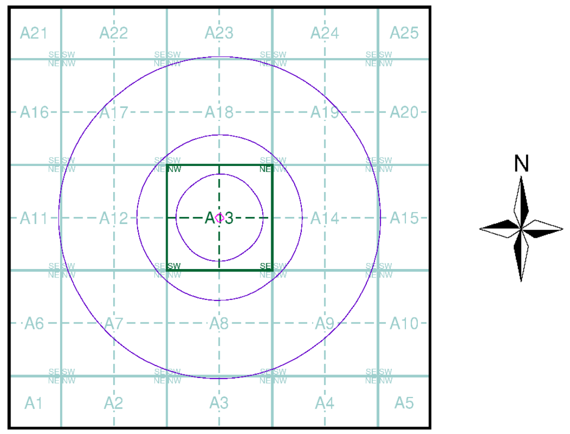
OS Water Network Data

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

Contours (height in meters)

Standard Contour — Mean Low Water (MLW)
Master Contour — Mean High Water (MHW)
Spot Height 167.3

OS Water Network Map - Slice A



Order Details

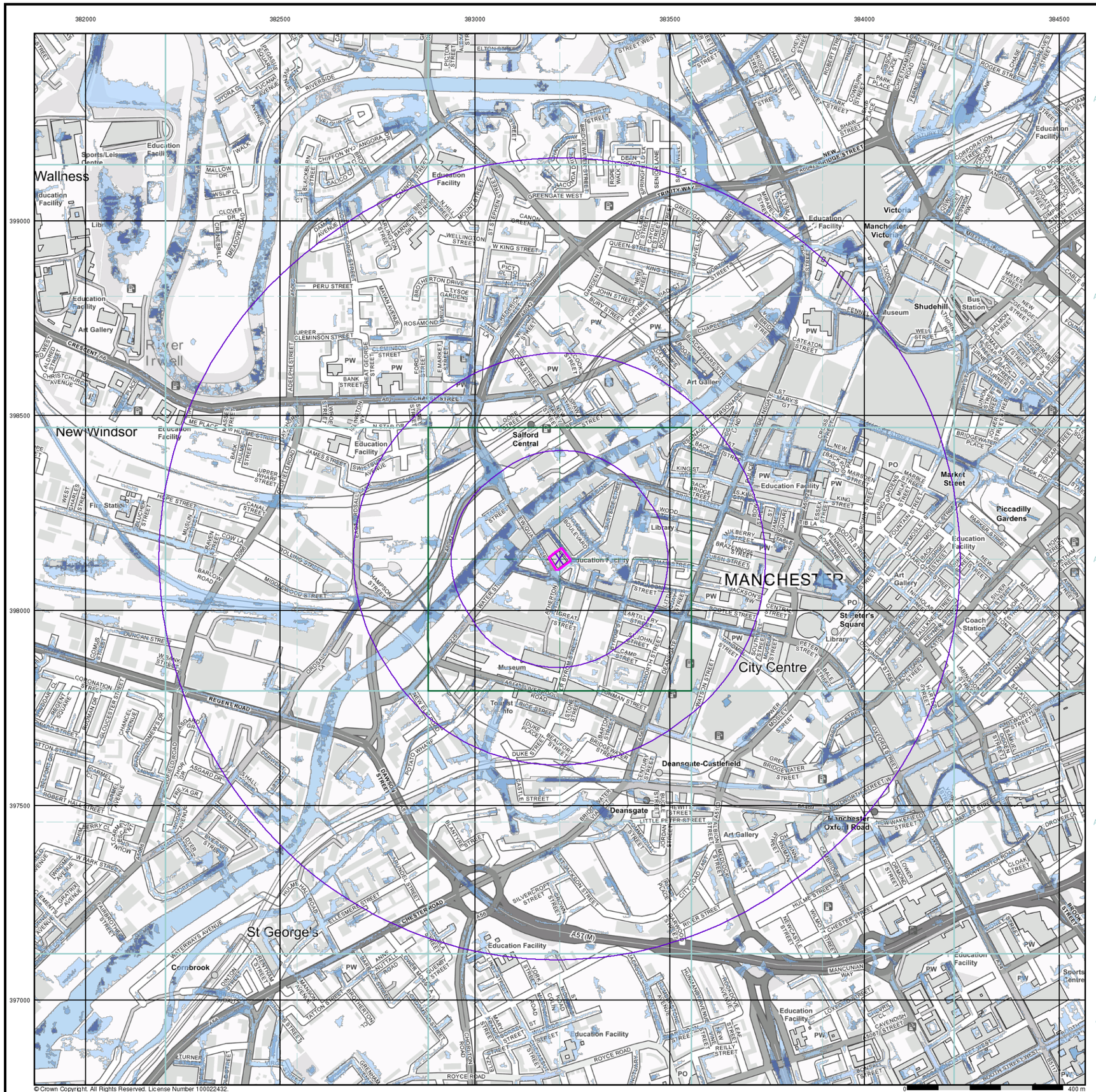
Order Number: 217261437_1_1
Customer Ref: B073971
National Grid Reference: 383220, 398130
Slice: A
Site Area (Ha): 0.18
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General

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

Risk of Flooding from Surface Water

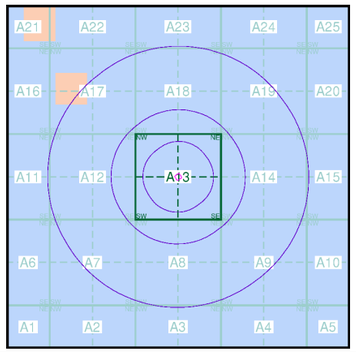
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

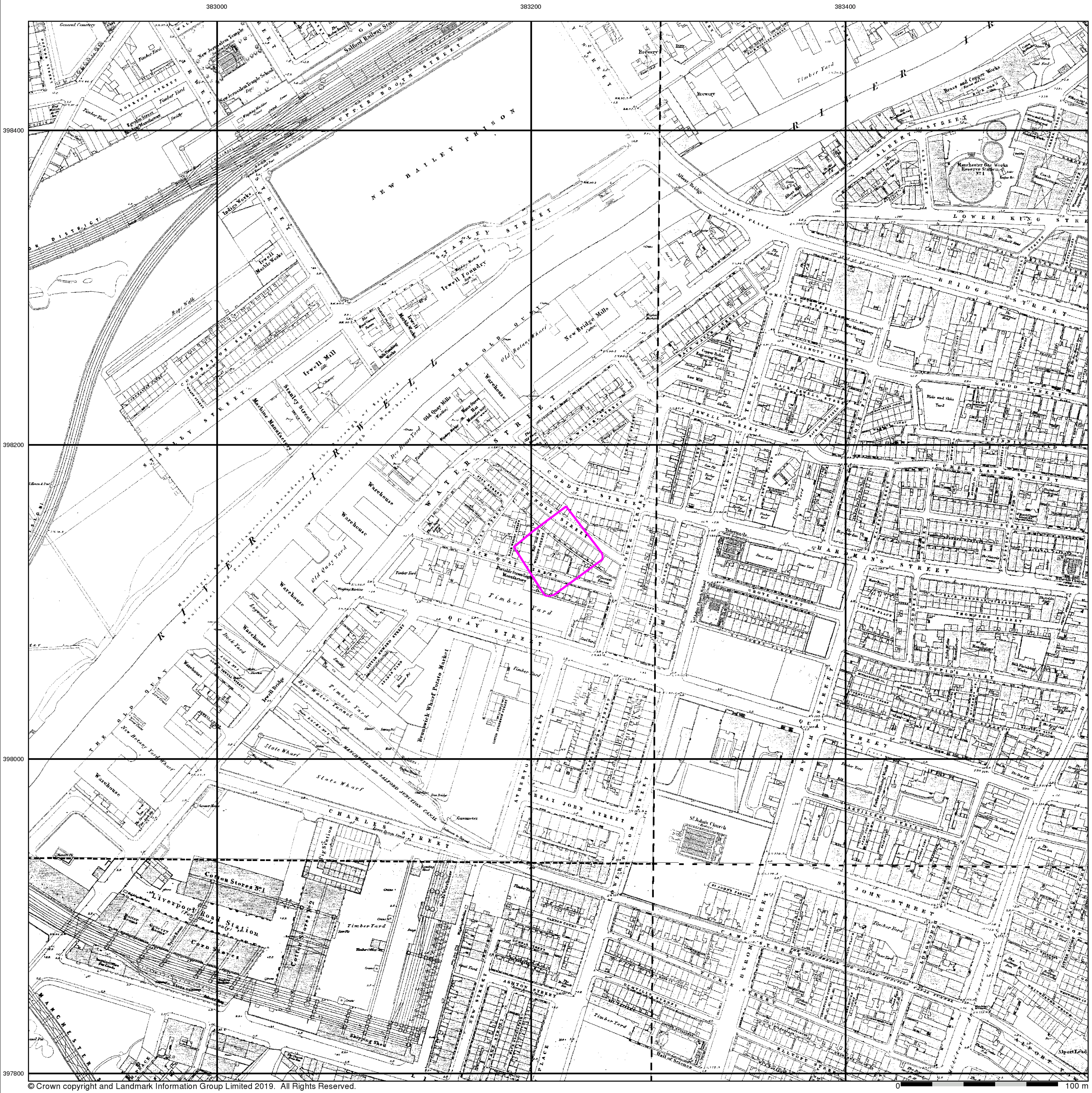
Order Number:	217261437_1_1
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Lancashire And Furness

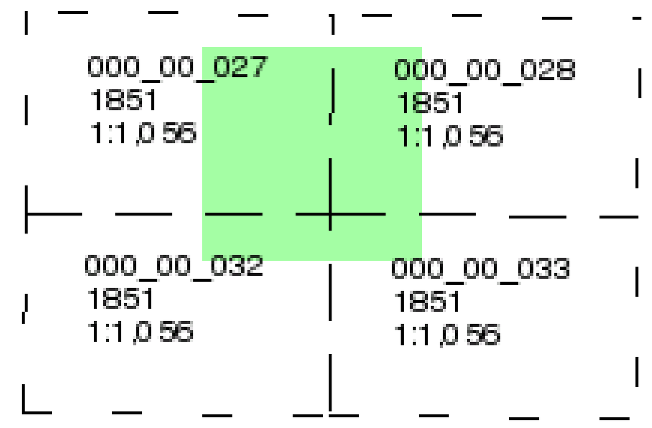
Published 1851

Source map scale - 1:1,056

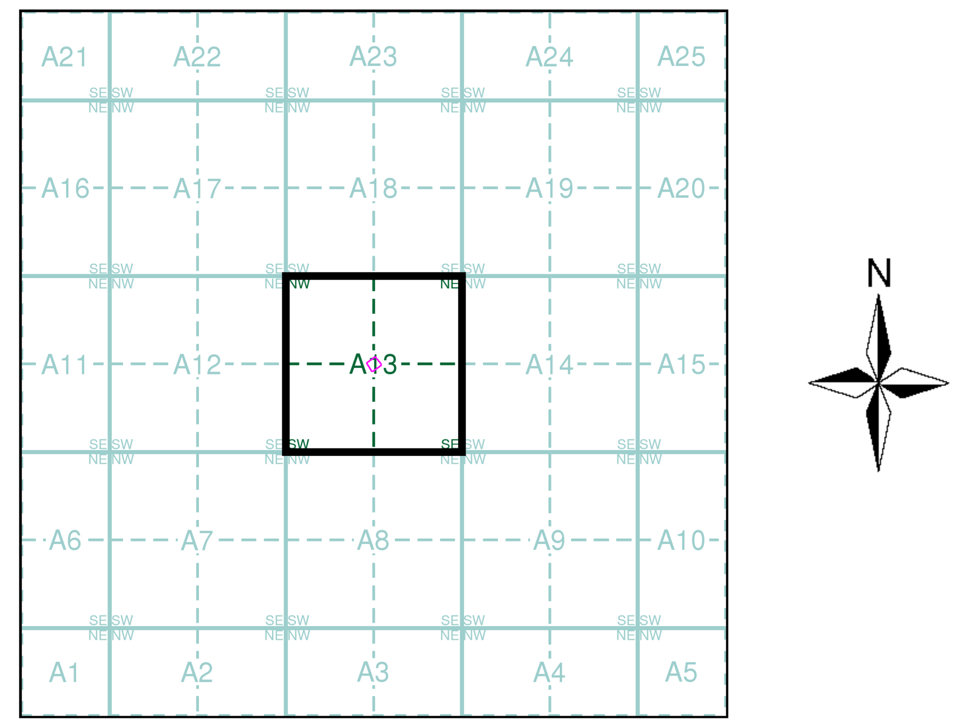
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the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

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

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



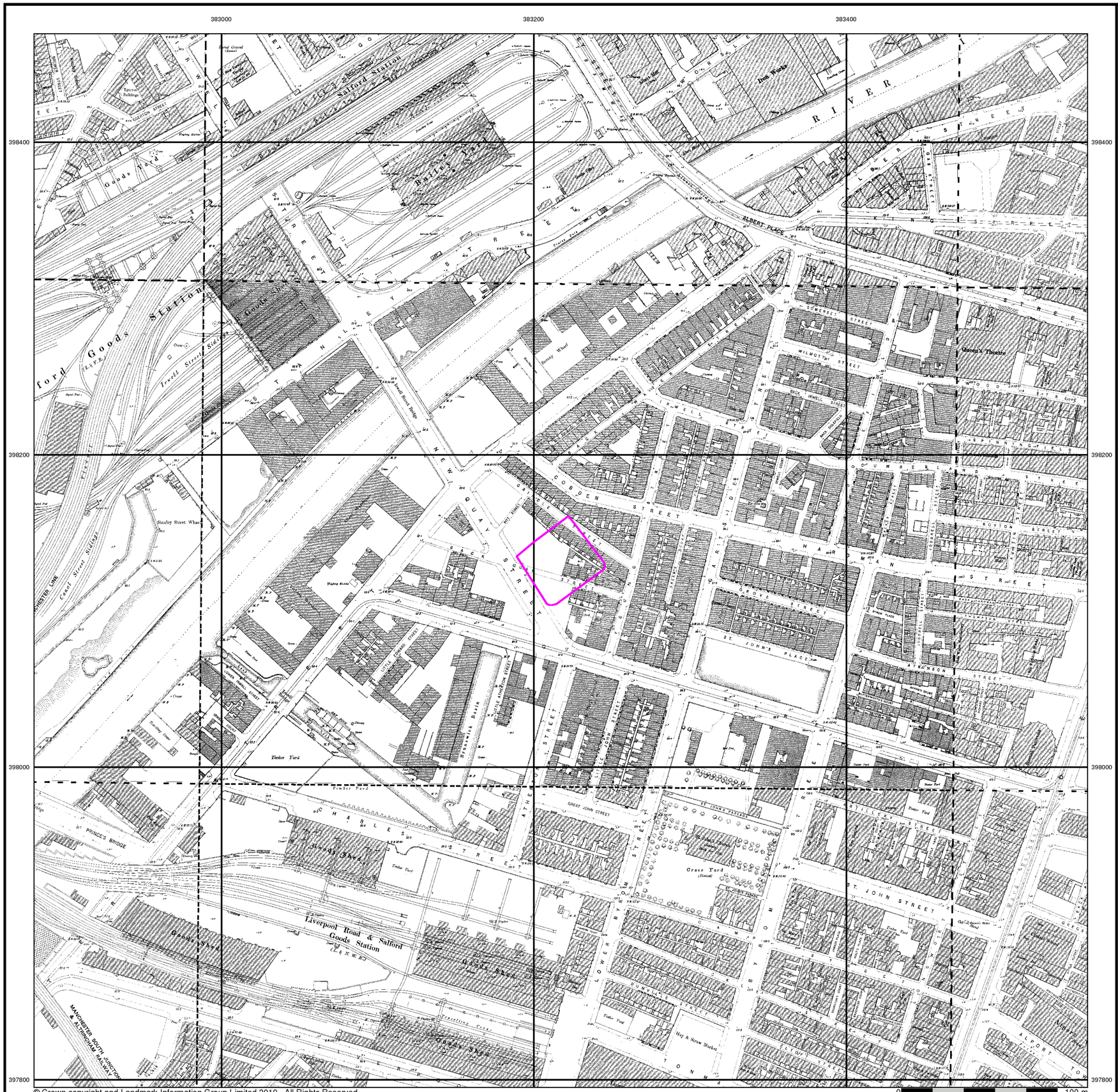
Order Details

Order Number: 217261437_1_1
Customer Ref: B073971
National Grid Reference: 383220, 398130
Slice: A
Site Area (Ha): 0.18
Search Buffer (m): 0

Site Details

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Lancashire And Furness

Published 1891

Source map scale - 1:500

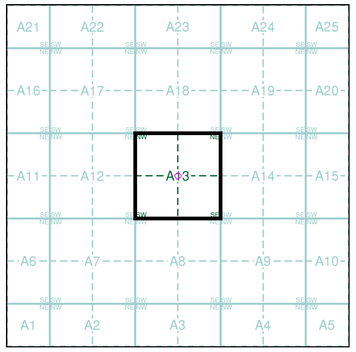
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped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

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

Map Name(s) and Date(s)

104_06_022 1891 1:500	104_06_023 1891 1:500	104_06_024 1891 1:500
104_10_002 1891 1:500	104_10_003 1891 1:500	104_10_004 1891 1:500
104_10_007 1891 1:500	104_10_008 1891 1:500	104_10_009 1891 1:500

Historical Town Plan - Segment A13



Order Details

Order Number:	217261437_1_1
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Site Area (Ha):	0.18
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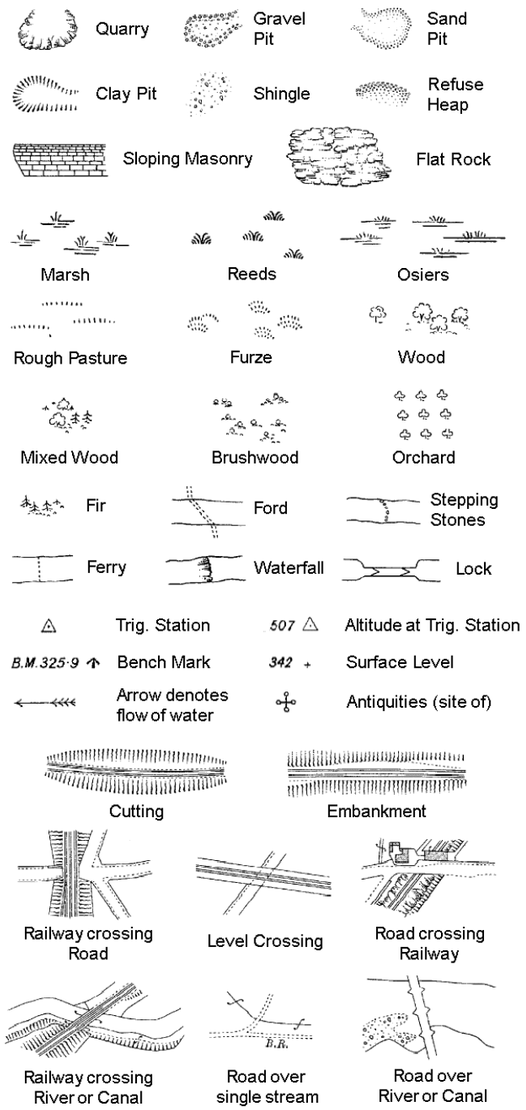
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Historical Mapping Legends

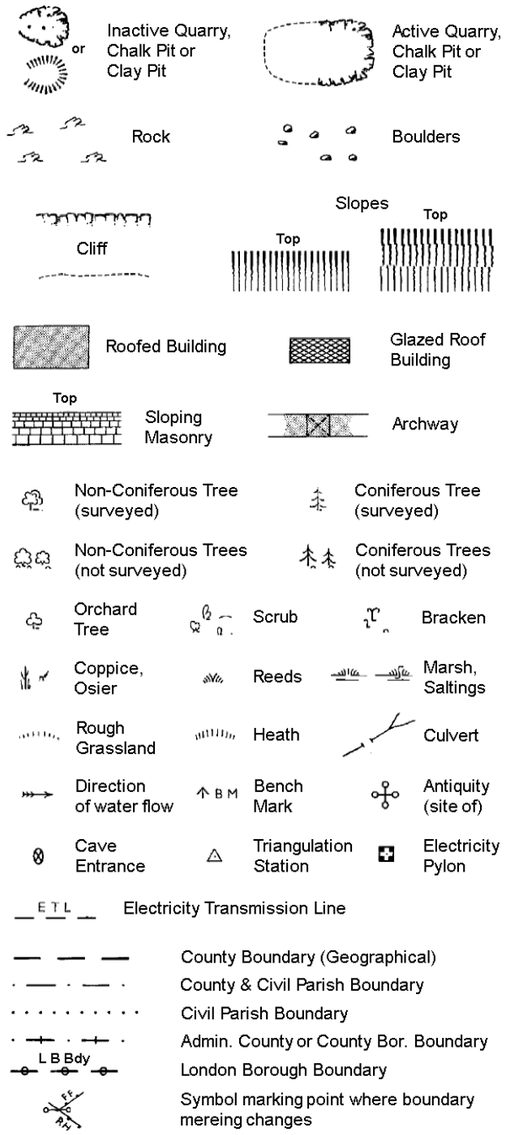
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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

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

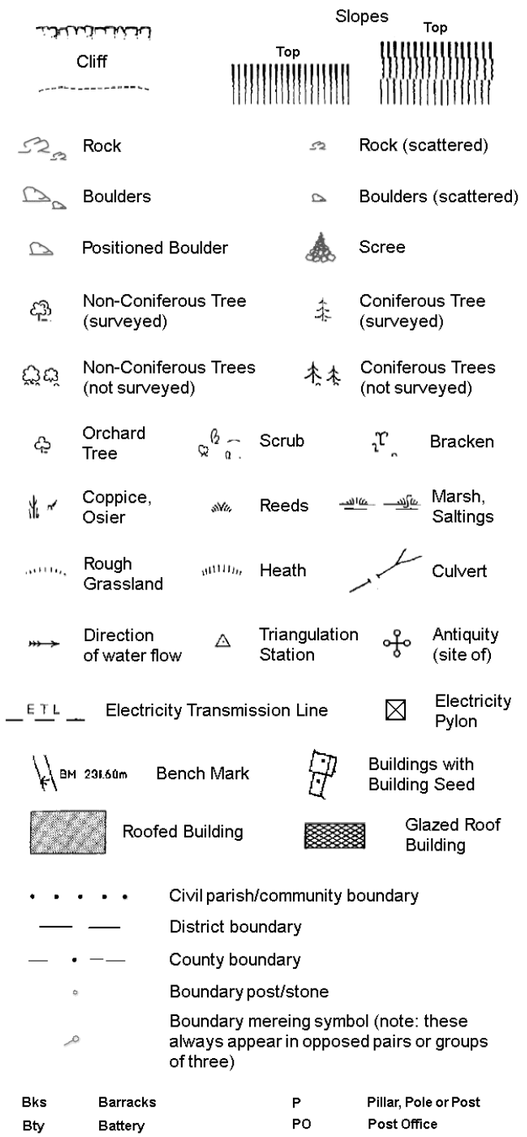
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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

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

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



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

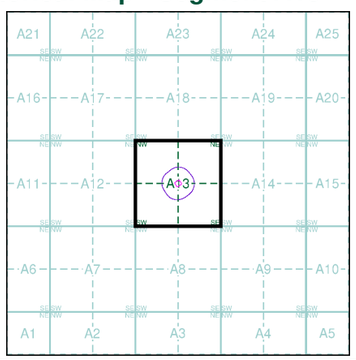
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1892	2
Lancashire And Furness	1:2,500	1908	3
Lancashire And Furness	1:2,500	1932 - 1933	4
Ordnance Survey Plan	1:1,250	1948 - 1949	5
Ordnance Survey Plan	1:2,500	1950 - 1951	6
Ordnance Survey Plan	1:1,250	1951 - 1957	7
Ordnance Survey Plan	1:2,500	1956 - 1965	8
Ordnance Survey Plan	1:1,250	1962 - 1980	9
Ordnance Survey Plan	1:2,500	1963 - 1965	10
Ordnance Survey Plan	1:2,500	1971	11
Ordnance Survey Plan	1:1,250	1973 - 1988	12
Supply of Unpublished Survey Information	1:1,250	1974 - 1975	13
Additional SIMs	1:1,250	1978 - 1985	14
Additional SIMs	1:1,250	1986 - 1990	15
Additional SIMs	1:1,250	1990	16
Additional SIMs	1:1,250	1990	17
Large-Scale National Grid Data	1:1,250	1992	18
Large-Scale National Grid Data	1:1,250	1993 - 1994	19
Large-Scale National Grid Data	1:1,250	1993 - 1995	20
Large-Scale National Grid Data	1:1,250	1994 - 1995	21
Large-Scale National Grid Data	1:1,250	1995	22
Large-Scale National Grid Data	1:1,250	1996	23
Large-Scale National Grid Data	1:1,250	1996	24
Historical Aerial Photography	1:2,500	2000	25

Historical Map - Segment A13



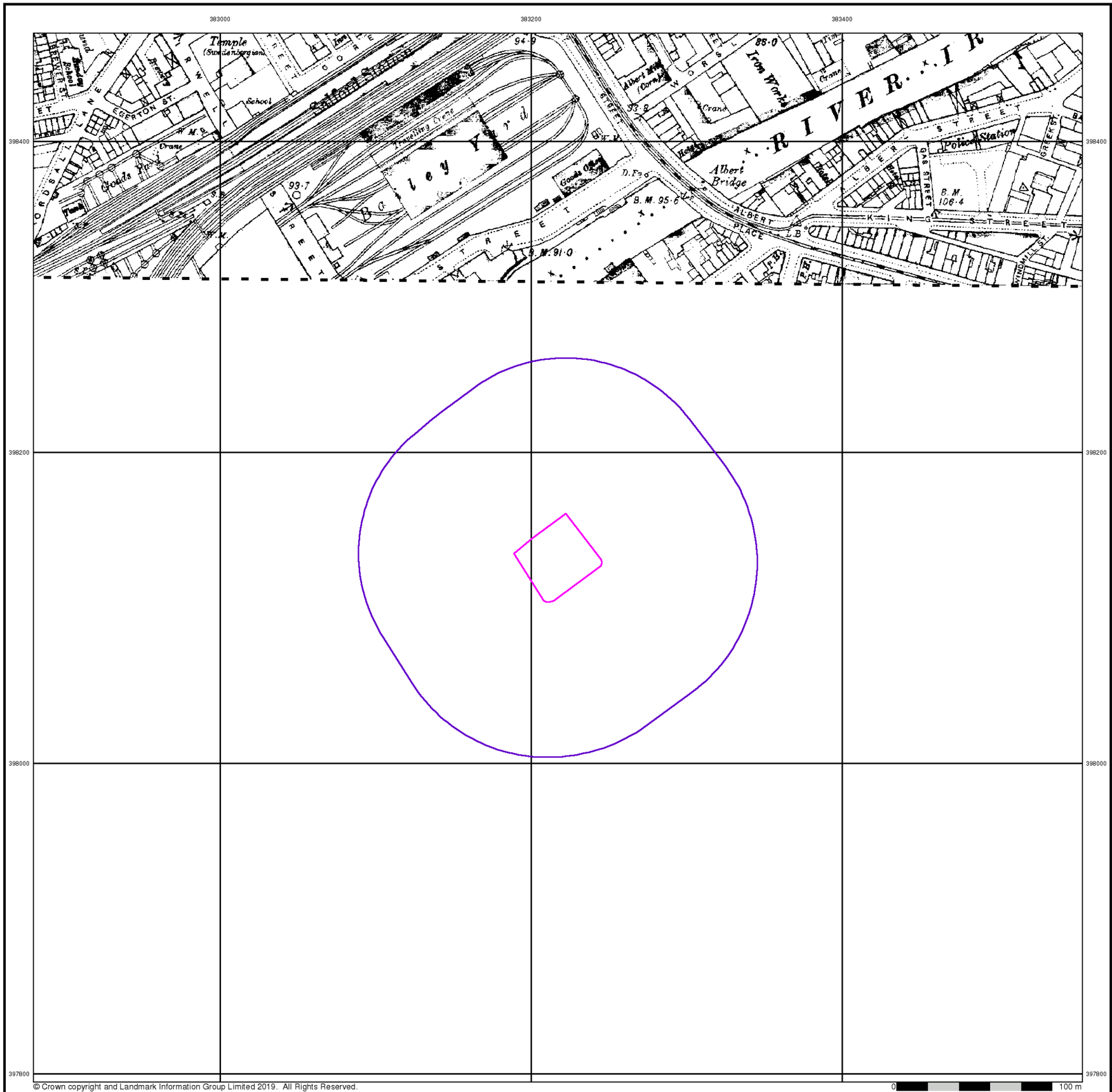
Order Details

Order Number: 217261437_1_1
Customer Ref: B073971
National Grid Reference: 383220, 398130
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Site Area (Ha): 0.18
Search Buffer (m): 100

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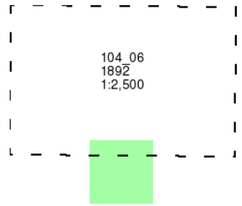
Lancashire And Furness

Published 1892

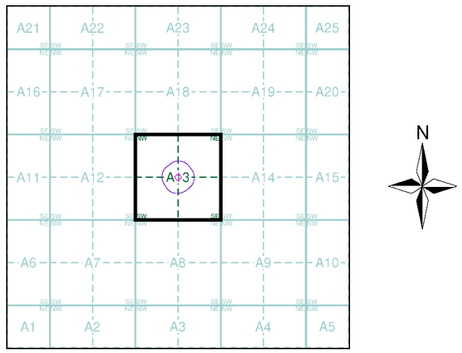
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



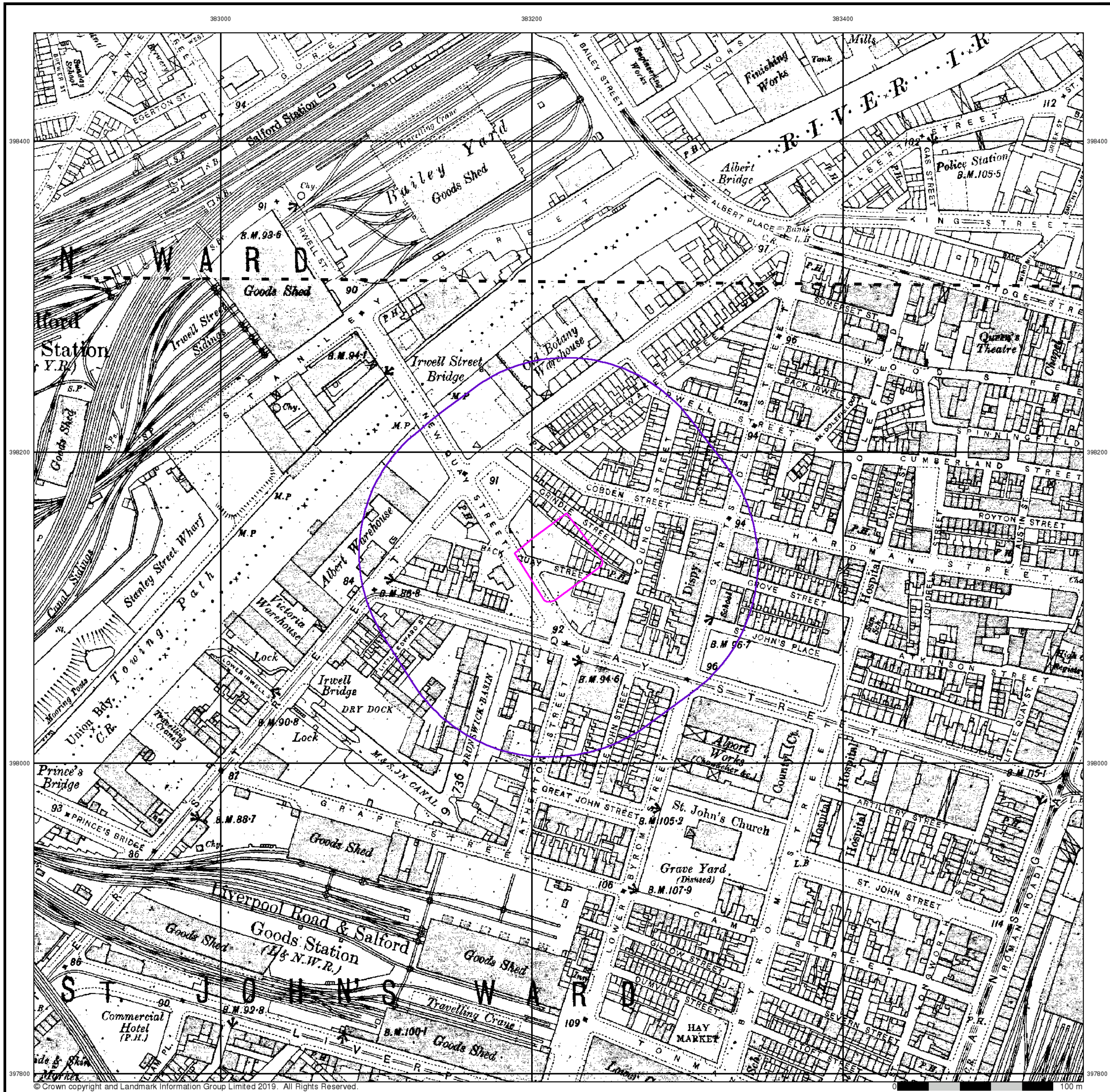
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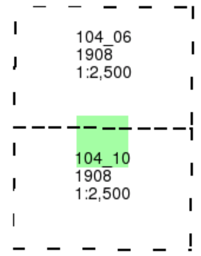
Lancashire And Furness

Published 1908

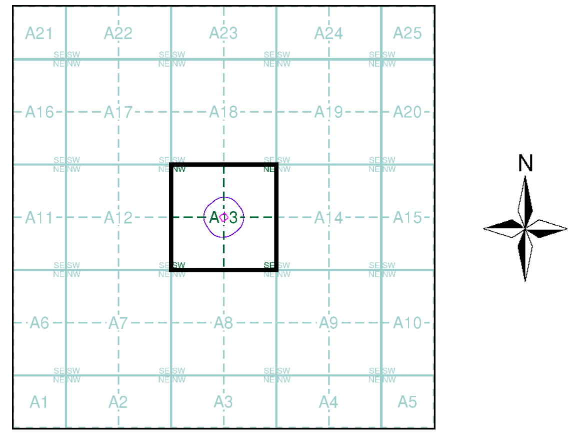
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

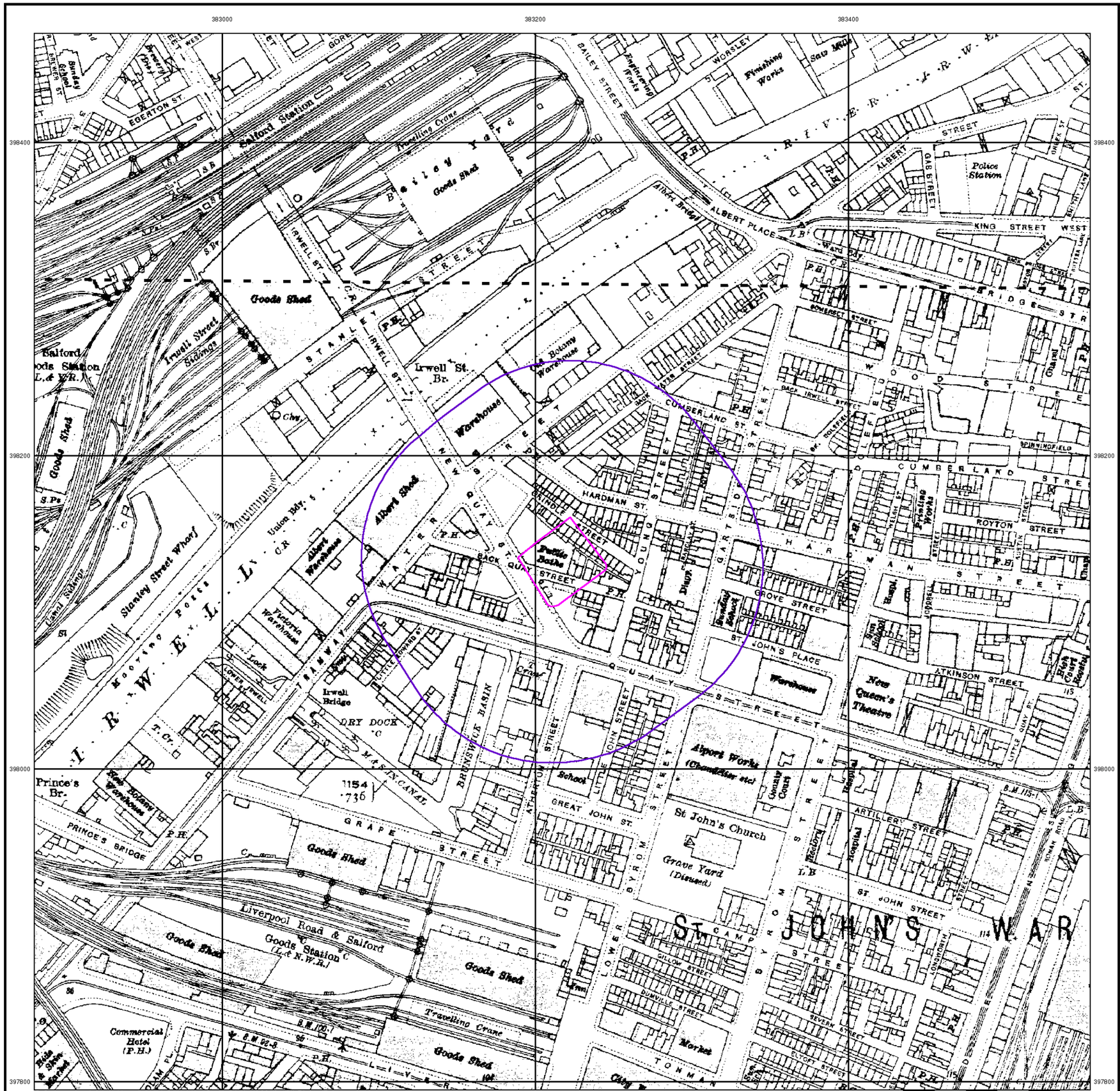
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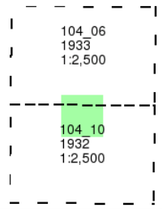
Lancashire And Furness

Published 1932 - 1933

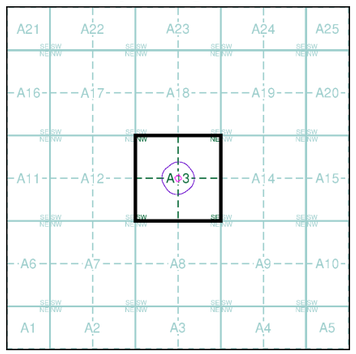
Source map scale - 1:2,500

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



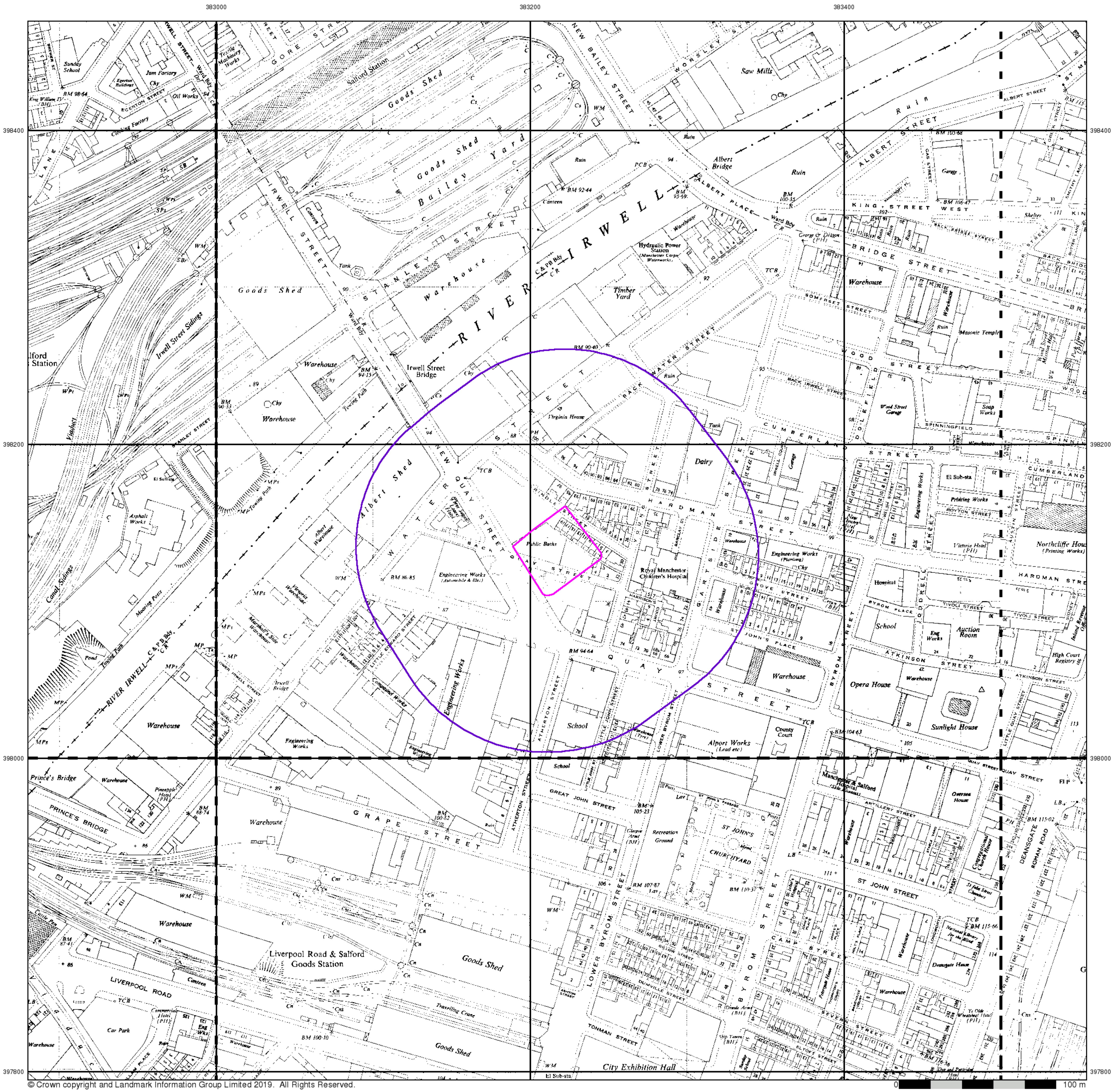
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Ordnance Survey Plan

Published 1948 - 1949

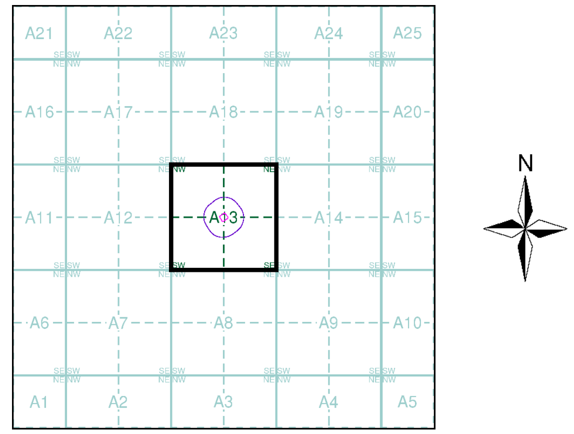
Source map scale - 1:1,250

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)

SJ8298SE 1948 1:1,250	SJ8398SW 1948 1:1,250	SJ8398SE 1948 1:1,250
SJ8297NE 1949 1:1,250	SJ8397NW 1948 1:1,250	SJ8397NE 1948 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	217261437_1_1
Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
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Ordnance Survey Plan

Published 1950 - 1951

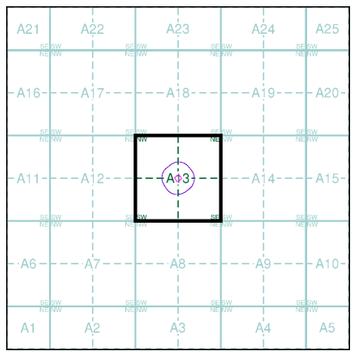
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SJ8298 1951 1:2,500	SJ8398 1951 1:2,500
SJ8297 1950 1:2,500	SJ8397 1950 1:2,500

Historical Map - Segment A13



Order Details

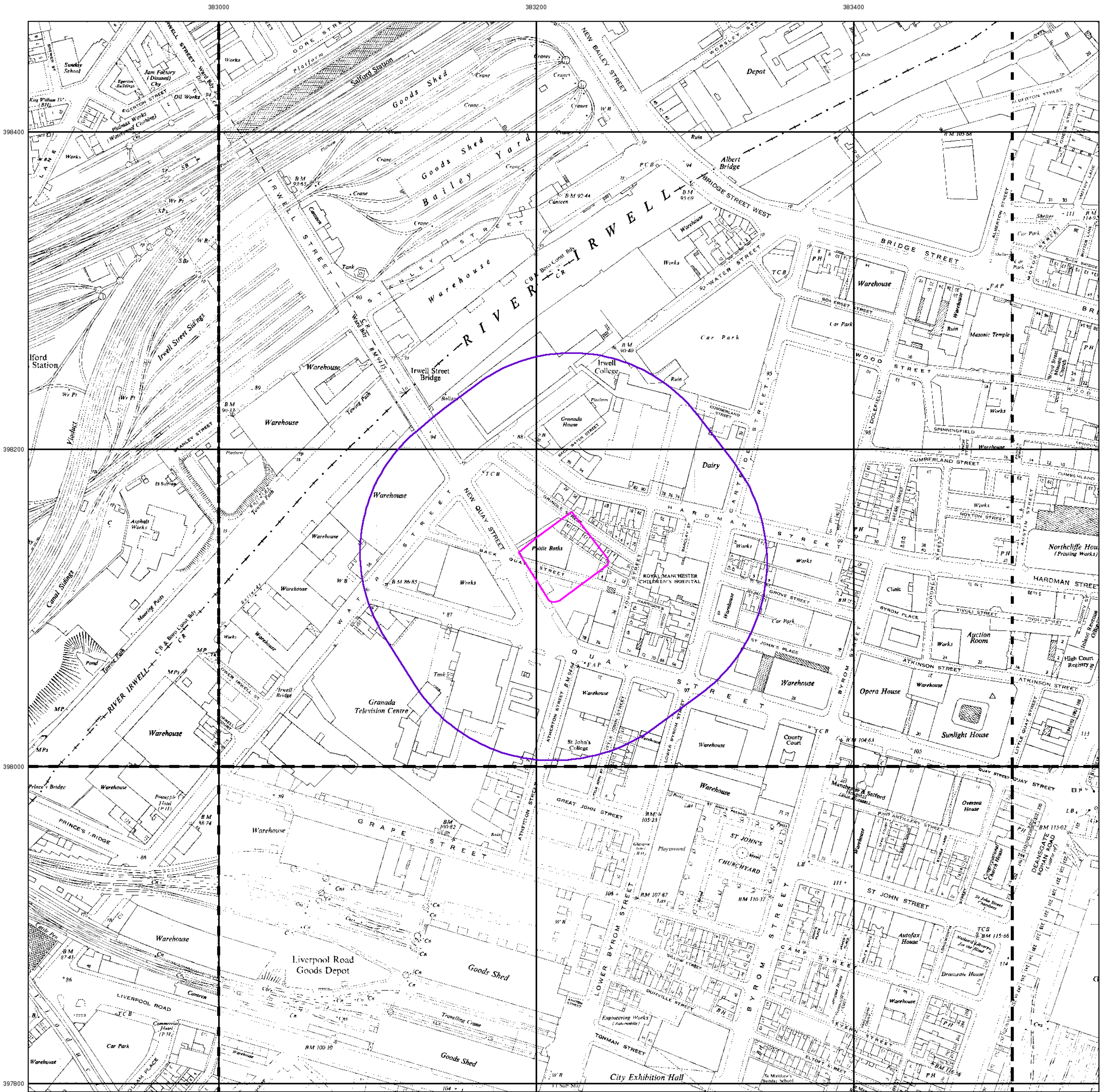
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Search Buffer (m):	100

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Ordnance Survey Plan

Published 1951 - 1957

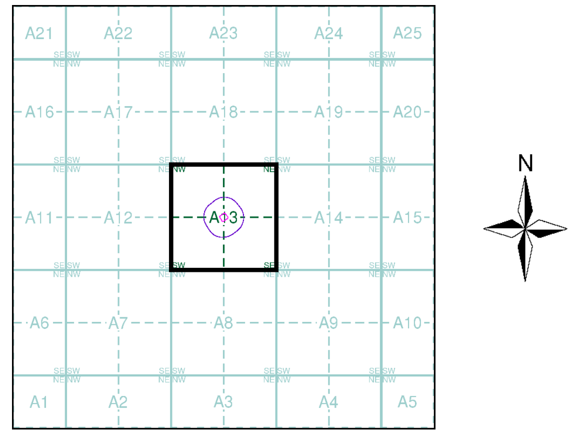
Source map scale - 1:1,250

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)

SJ8298SE 1954 1:1,250	SJ8398SW 1957 1:1,250	SJ8398SE 1956 1:1,250
SJ8297NE 1953 1:1,250	SJ8397NW 1955 1:1,250	SJ8397NE 1951 1:1,250

Historical Map - Segment A13



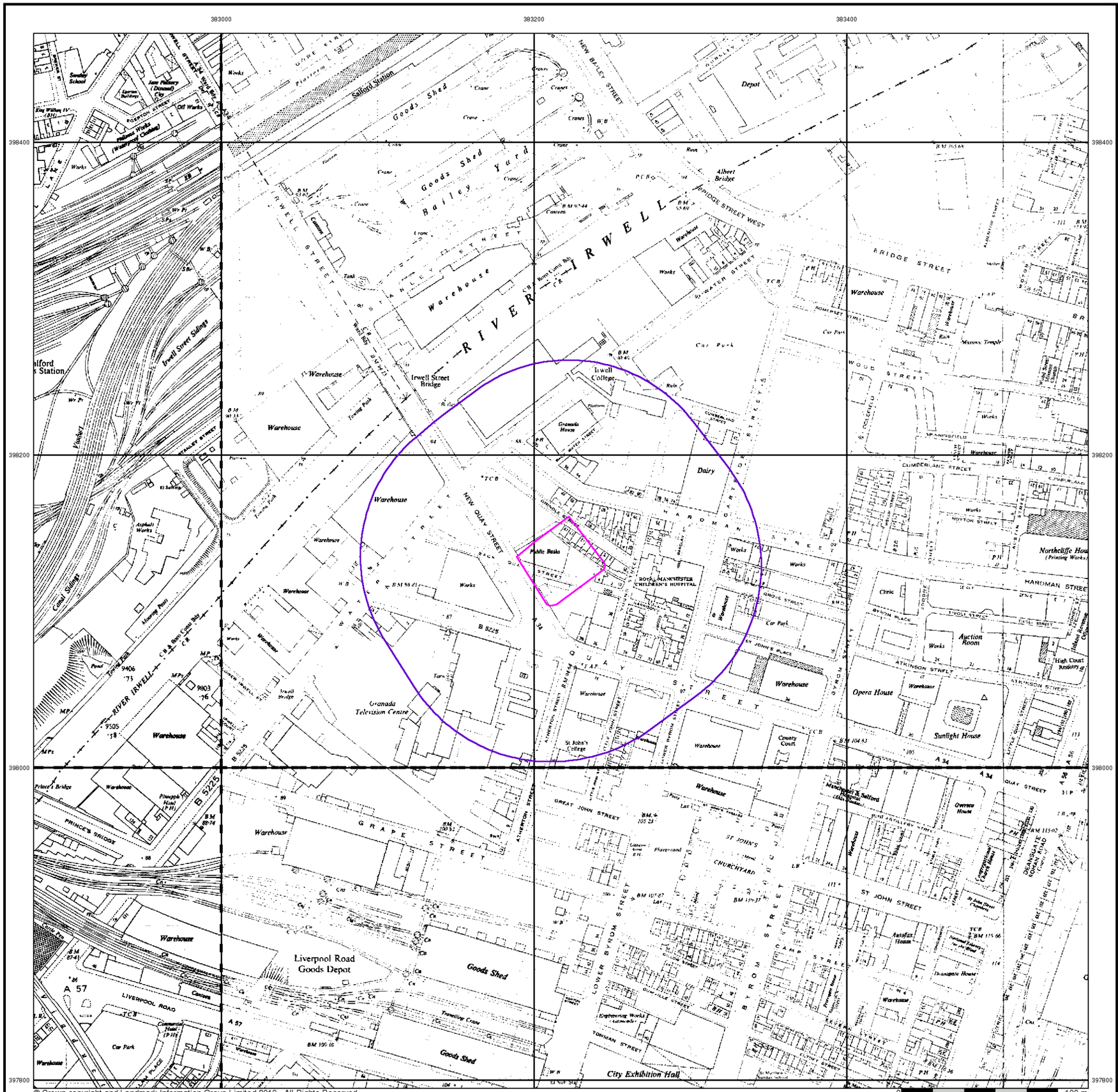
Order Details

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Ordnance Survey Plan

Published 1956 - 1965

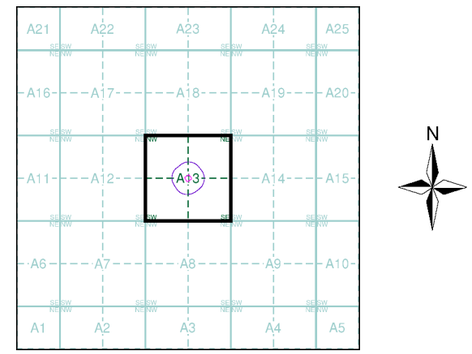
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SJ8298 1956 1:2,500	SJ8398 1958 1:2,500
SJ8297 1965 1:2,500	SJ8397 1956 1:2,500

Historical Map - Segment A13



Order Details

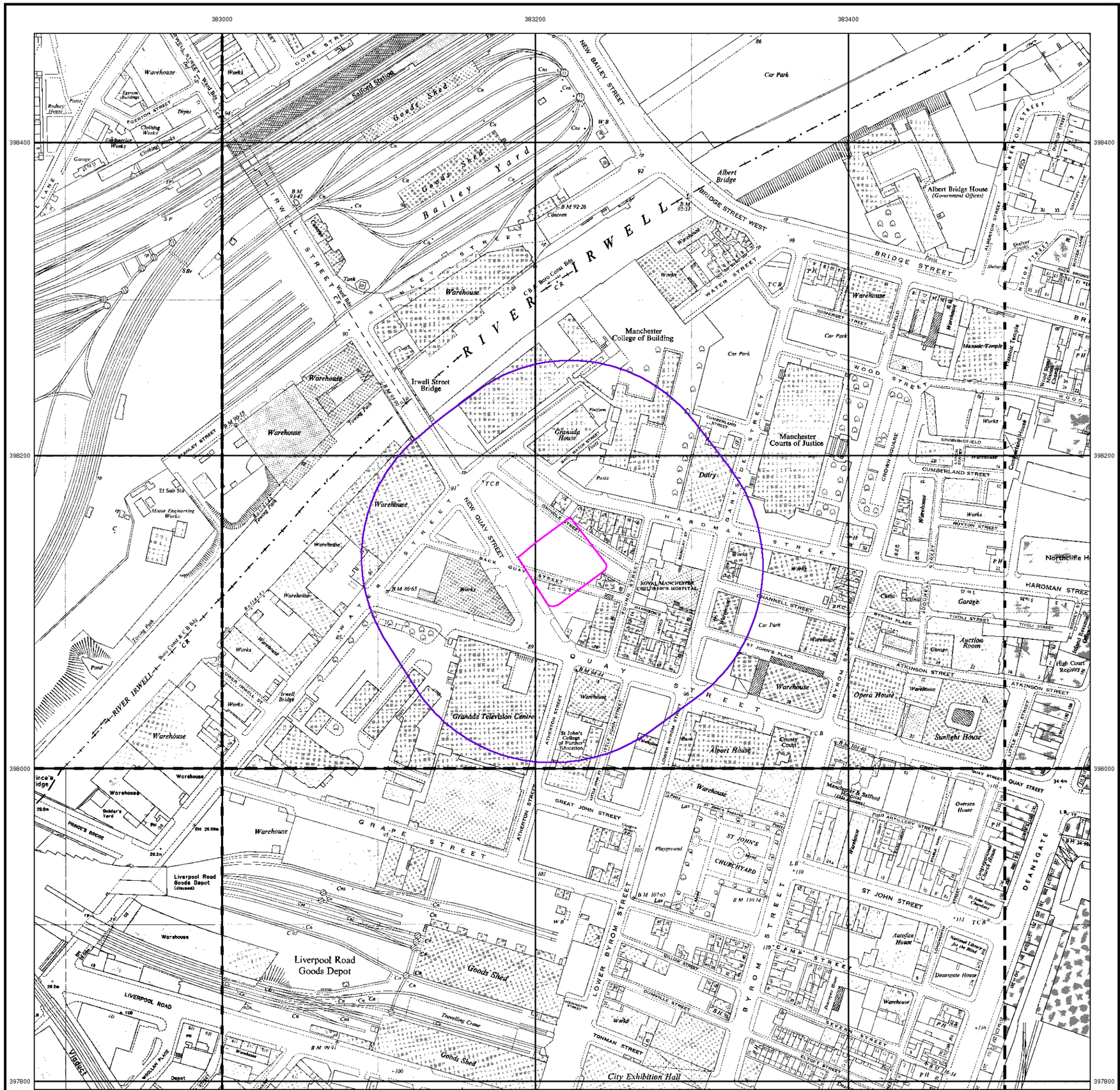
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Site Area (Ha):	0.18
Search Buffer (m):	100

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Ordnance Survey Plan

Published 1962 - 1980

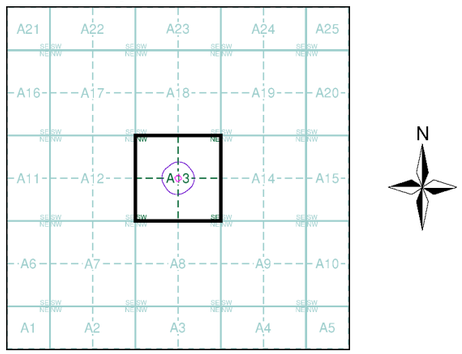
Source map scale - 1:1,250

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)

SJ8298SE 1969 1:1,250	SJ8398SW 1962 1:1,250	SJ8398SE 1970 1:1,250
SJ8297NE 1980 1:1,250	SJ8397NW 1963 1:1,250	SJ8397NE 1973 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	217261437_1_1
Customer Ref:	B073971
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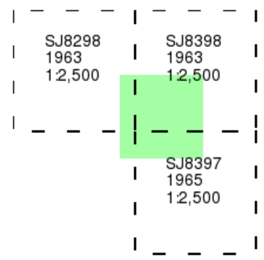
Ordnance Survey Plan

Published 1963 - 1965

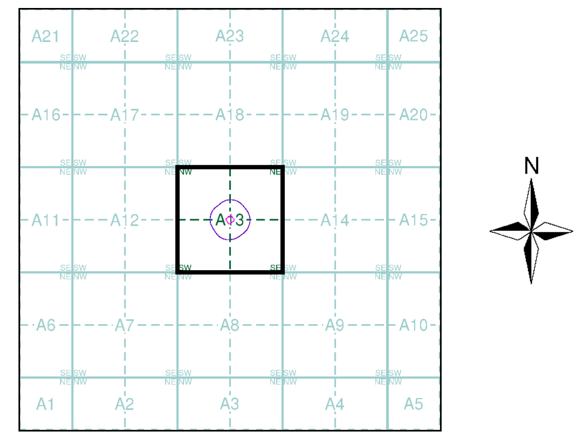
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



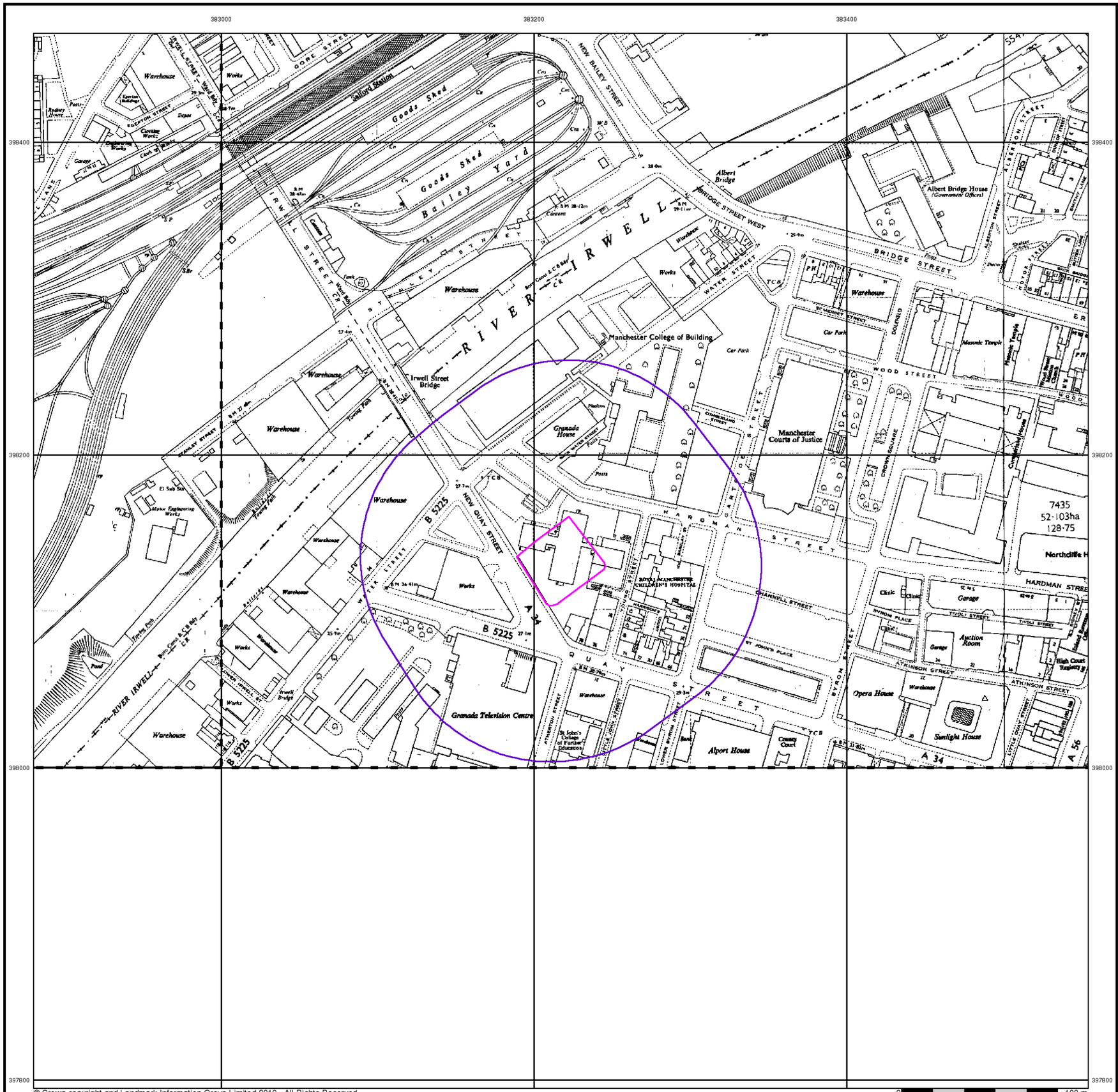
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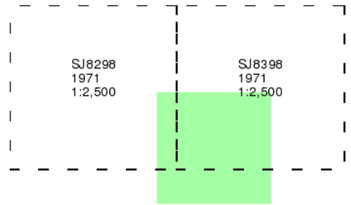
Ordnance Survey Plan

Published 1971

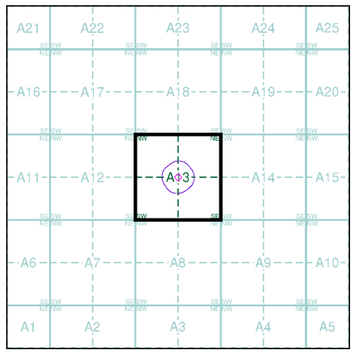
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



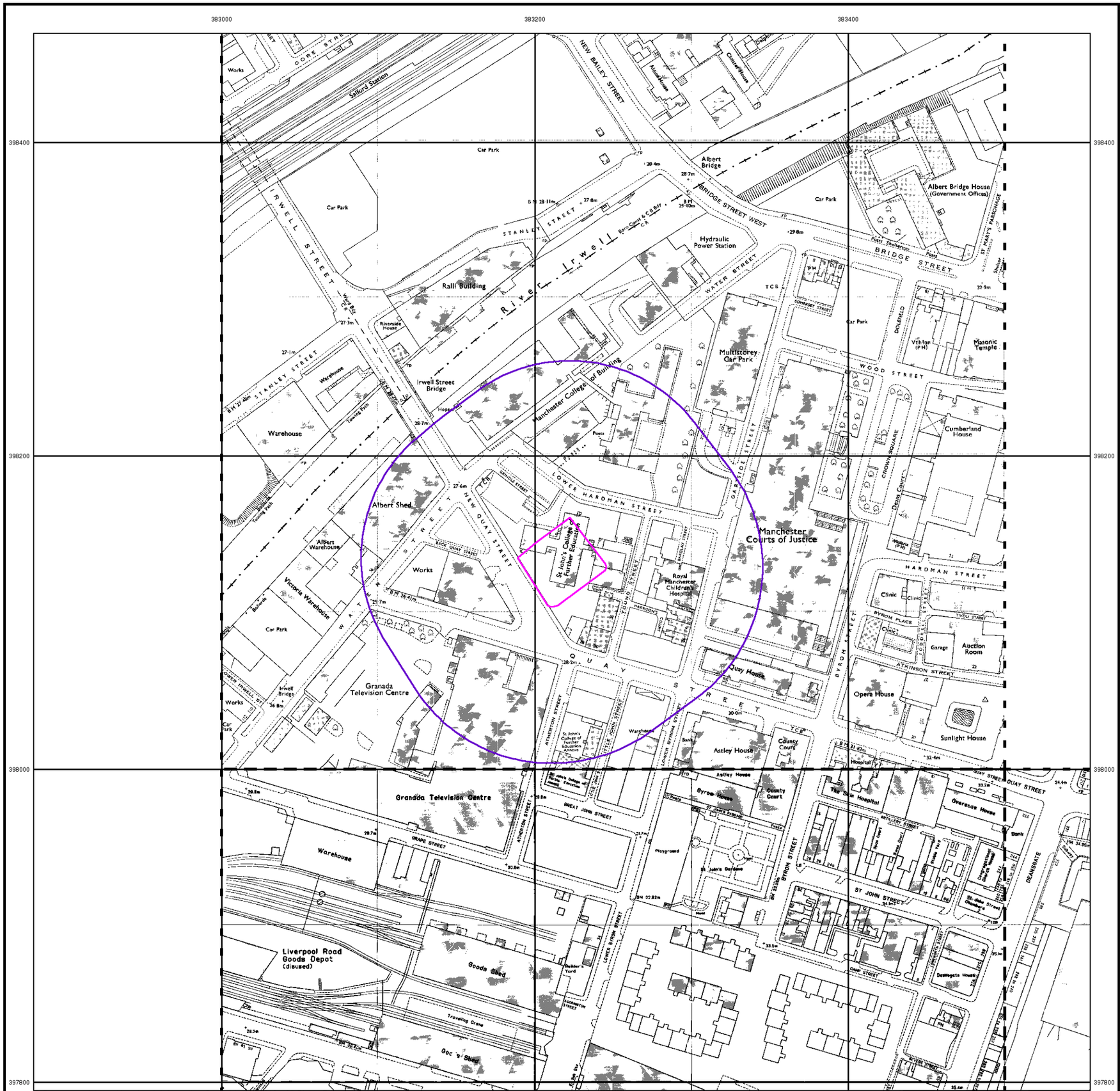
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Ordnance Survey Plan

Published 1973 - 1988

Source map scale - 1:1,250

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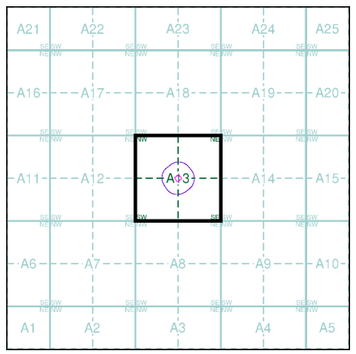
Map Name(s) and Date(s)

SJ8398SW
1973
1:1,250

SJ8397NW
1981
1:1,250

SJ8397NE
1988
1:1,250

Historical Map - Segment A13



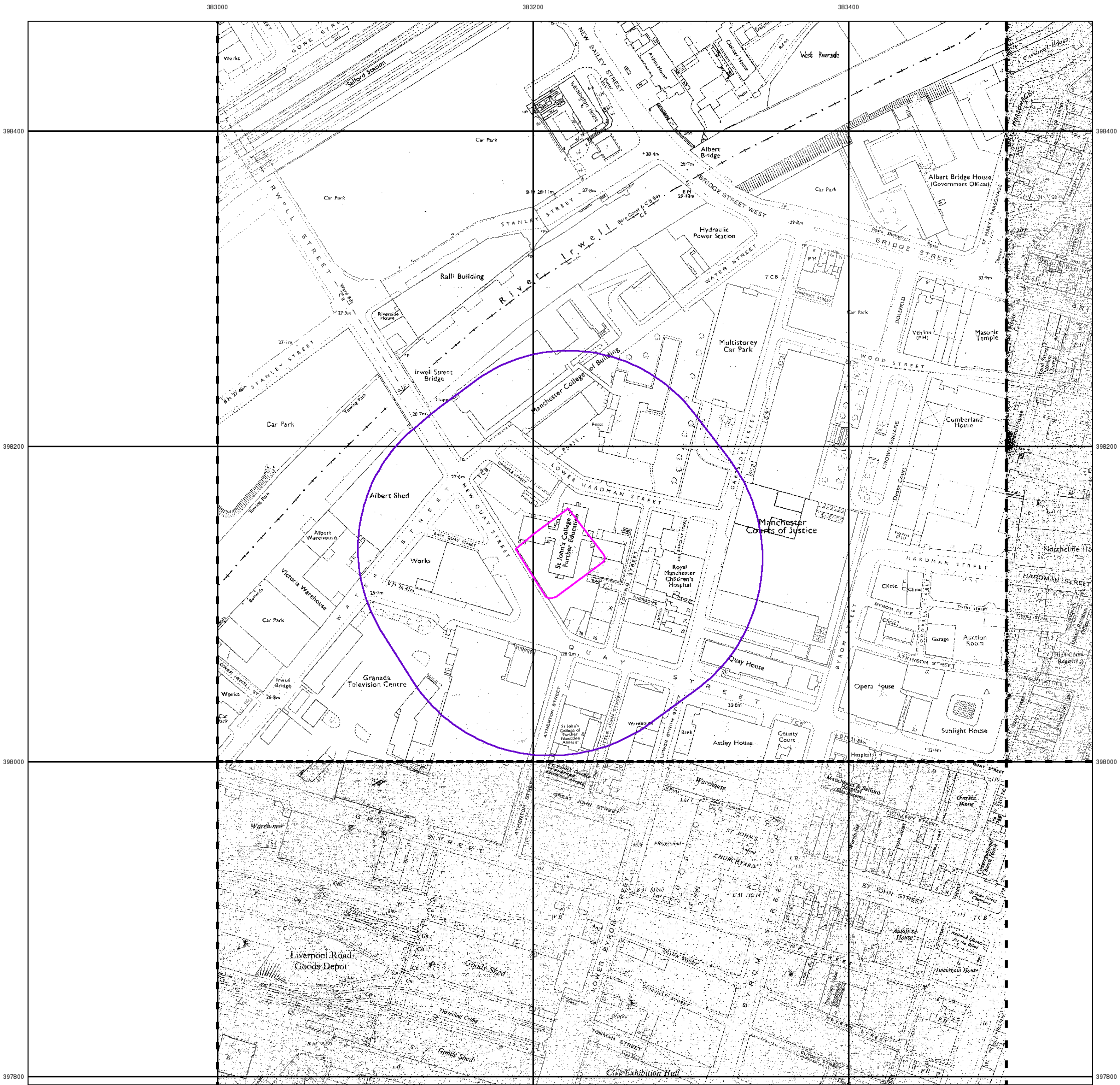
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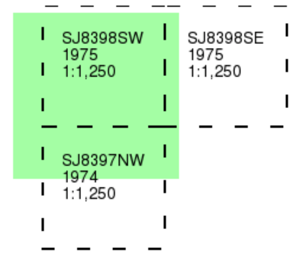
Supply of Unpublished Survey Information

Published 1974 - 1975

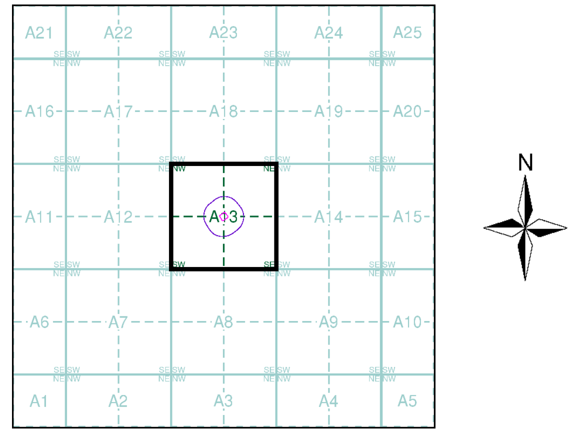
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



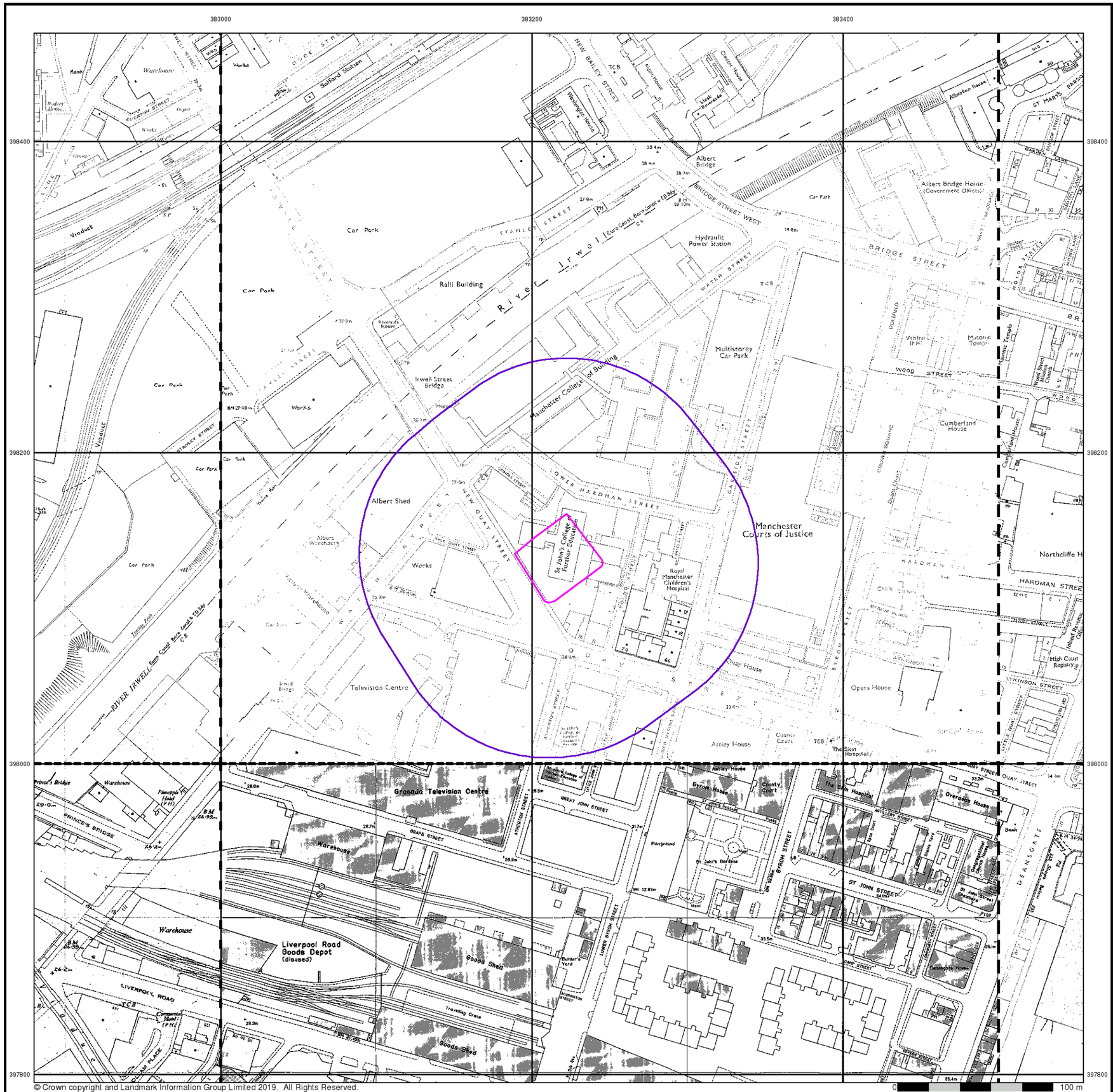
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Slice: A
Site Area (Ha): 0.18
Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1978 - 1985

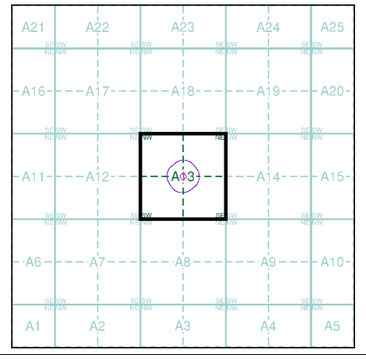
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8298SE 1983 1:1,250	SJ8398SW 1984 1:1,250	SJ8398SE 1980 1:1,250
SJ8297NE 1978 1:1,250	SJ8397NW 1981 1:1,250	SJ8397NE 1985 1:1,250

Historical Map - Segment A13

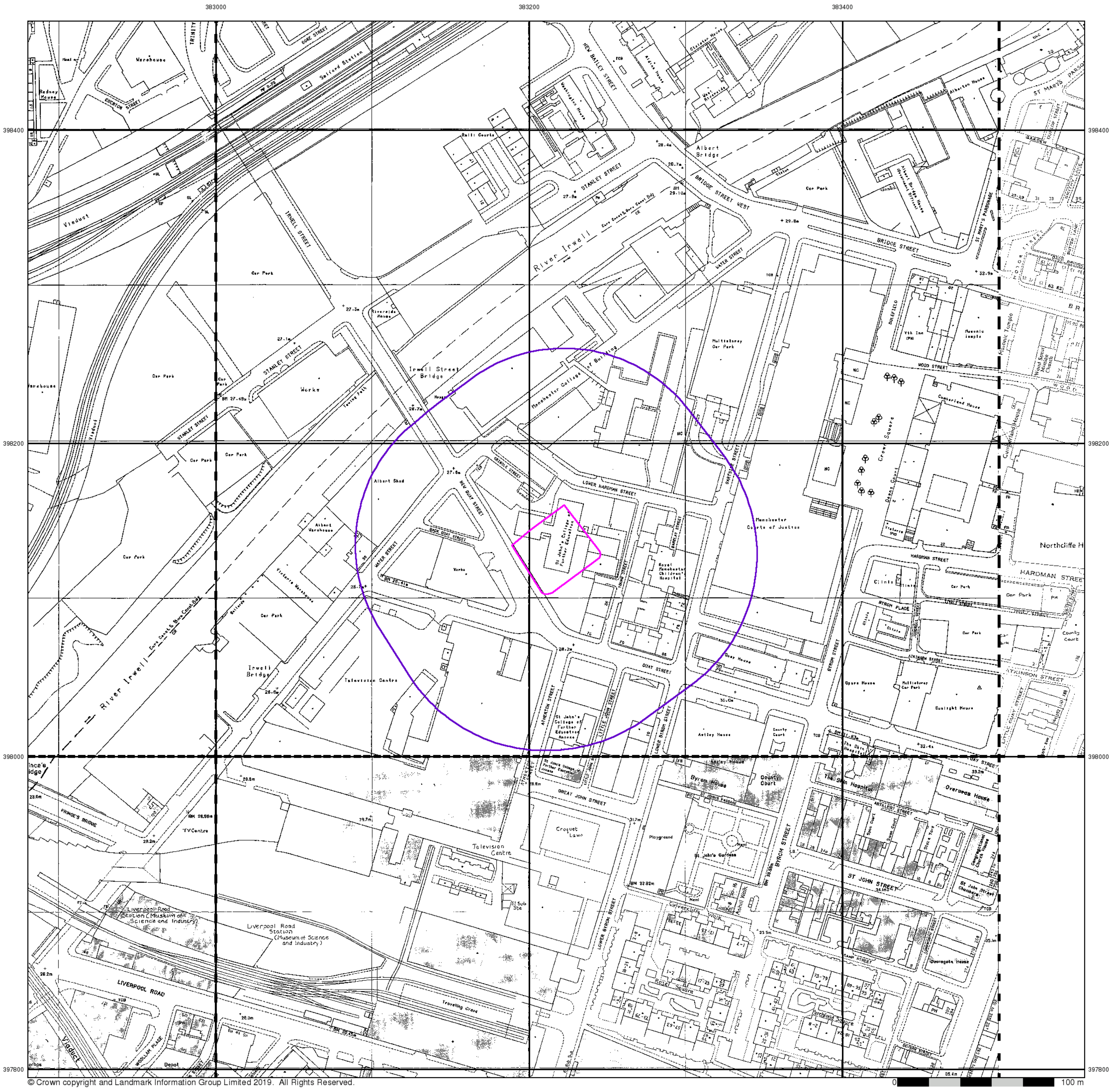


Order Details

Order Number:	217261437_1_1
Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
Search Buffer (m):	100

Site Details

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Additional SIMs

Published 1986 - 1990

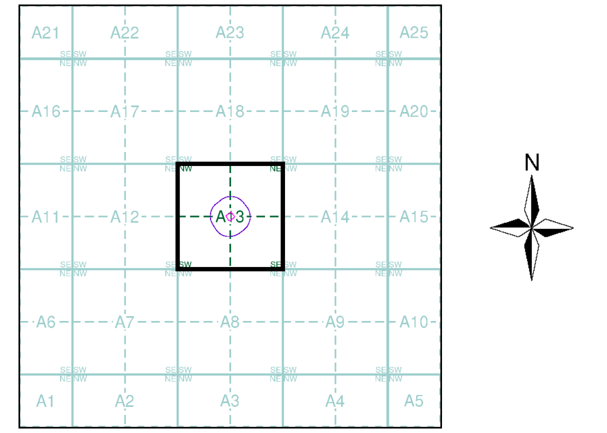
Source map scale - 1:1,250

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Map Name(s) and Date(s)

SJ8298SE 1990 1:1,250	SJ8398SW 1990 1:1,250	SJ8398SE 1986 1:1,250
SJ8297NE 1986 1:1,250	SJ8397NW 1986 1:1,250	

Historical Map - Segment A13



Order Details

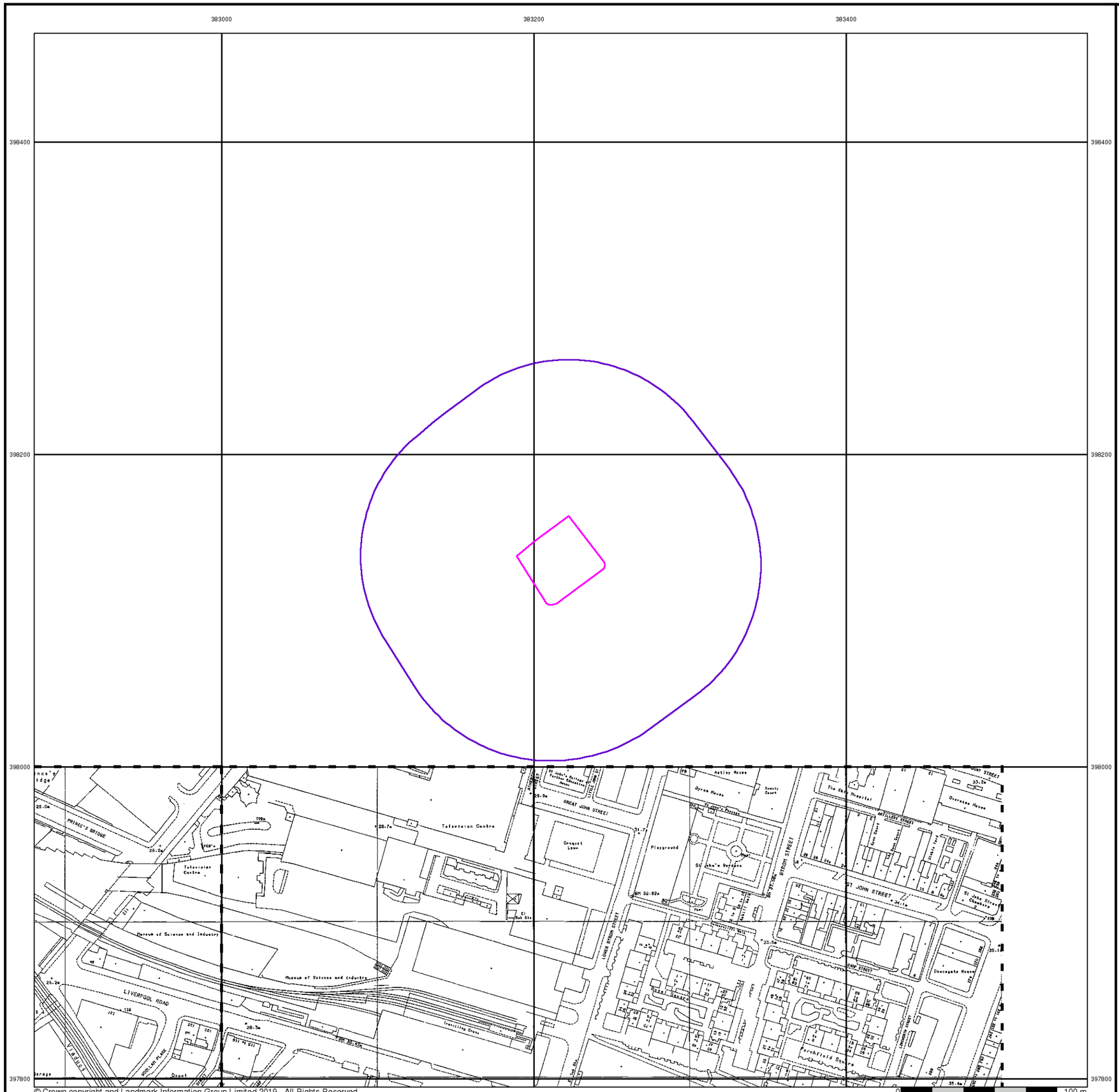
Order Number: 217261437_1_1
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National Grid Reference: 383220, 398130
Slice: A
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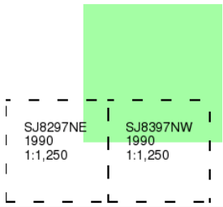
Additional SIMs

Published 1990

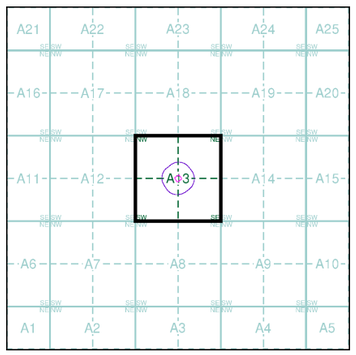
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



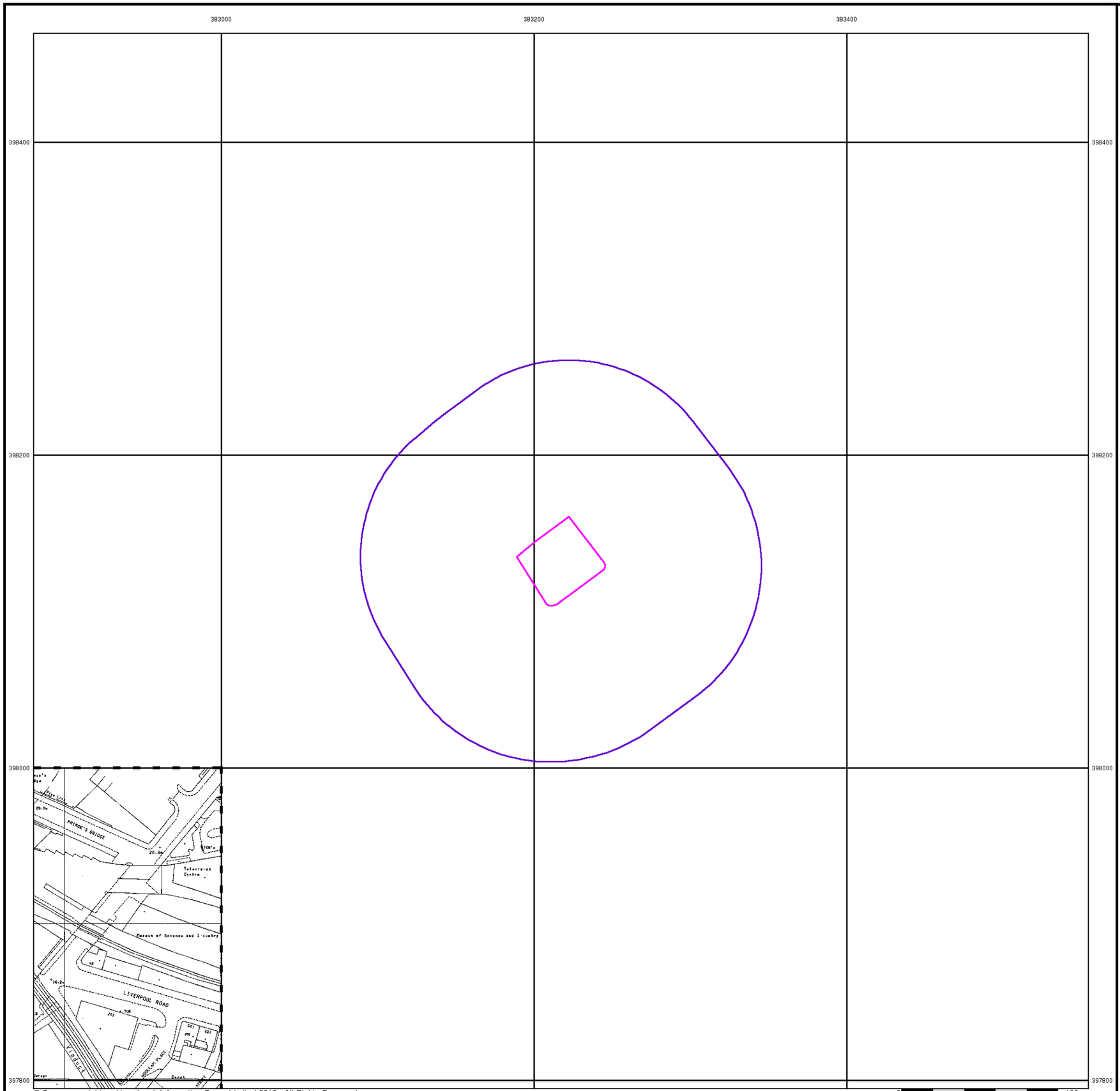
Order Details

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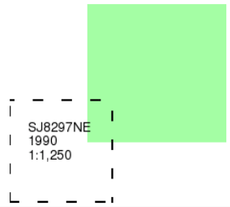
Additional SIMs

Published 1990

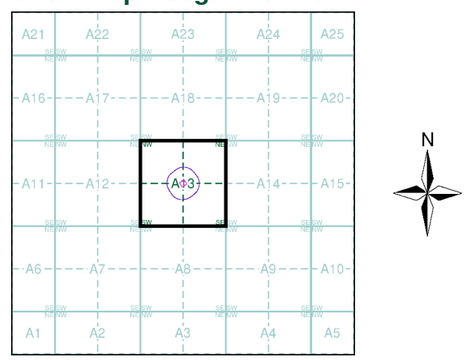
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



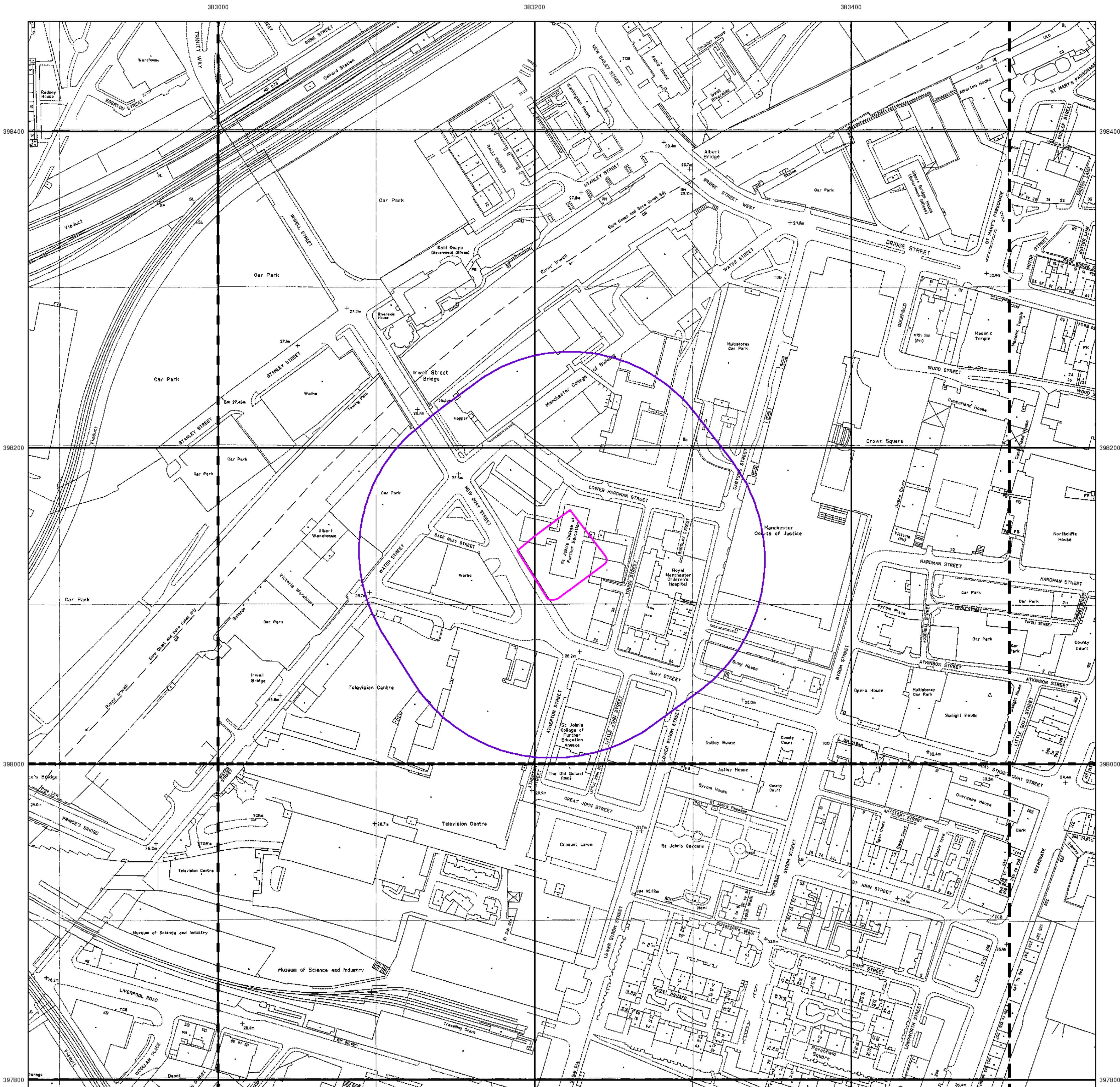
Order Details

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Large-Scale National Grid Data

Published 1992

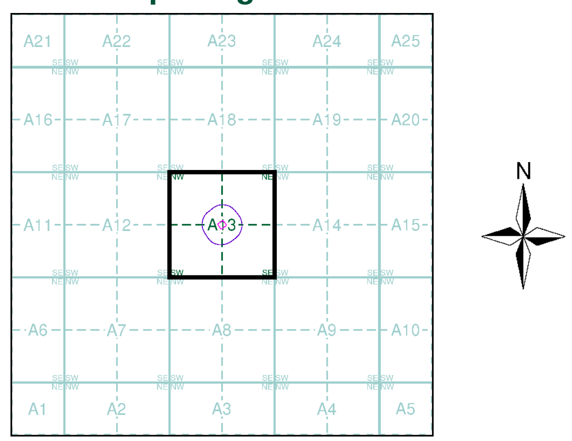
Source map scale - 1:1,250

'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)

SJ8298SE 1992 1:1,250	SJ8398SW 1992 1:1,250	SJ8398SE 1992 1:1,250
SJ8297NE 1992 1:1,250	SJ8397NW 1992 1:1,250	SJ8397NE 1992 1:1,250

Historical Map - Segment A13



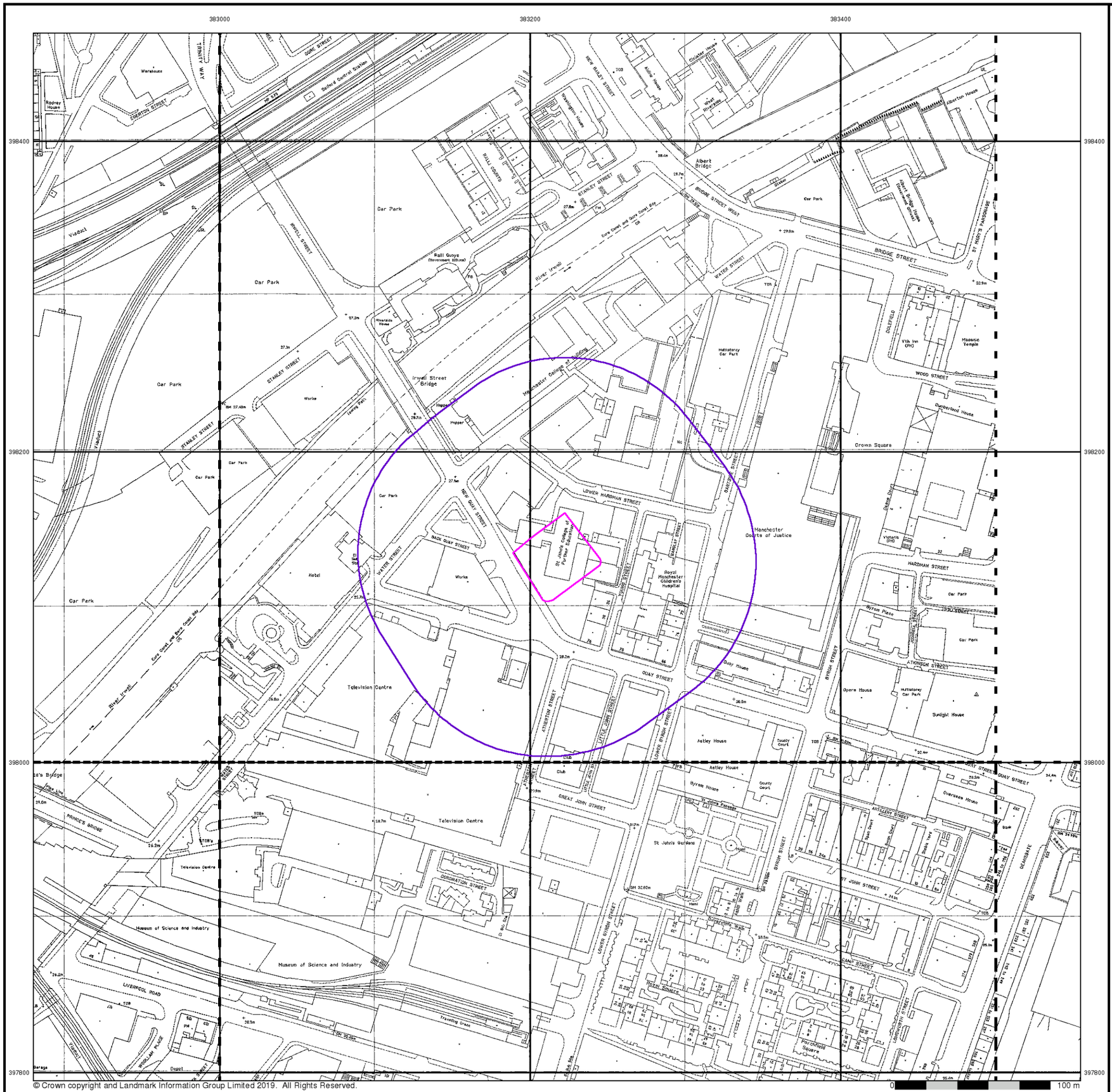
Order Details

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Large-Scale National Grid Data

Published 1993 - 1994

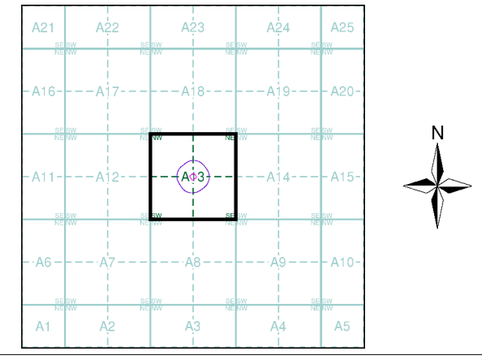
Source map scale - 1:1,250

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Map Name(s) and Date(s)

SJ8298SE 1993 1:1,250	SJ8398SW 1994 1:1,250	
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Historical Map - Segment A13



Order Details

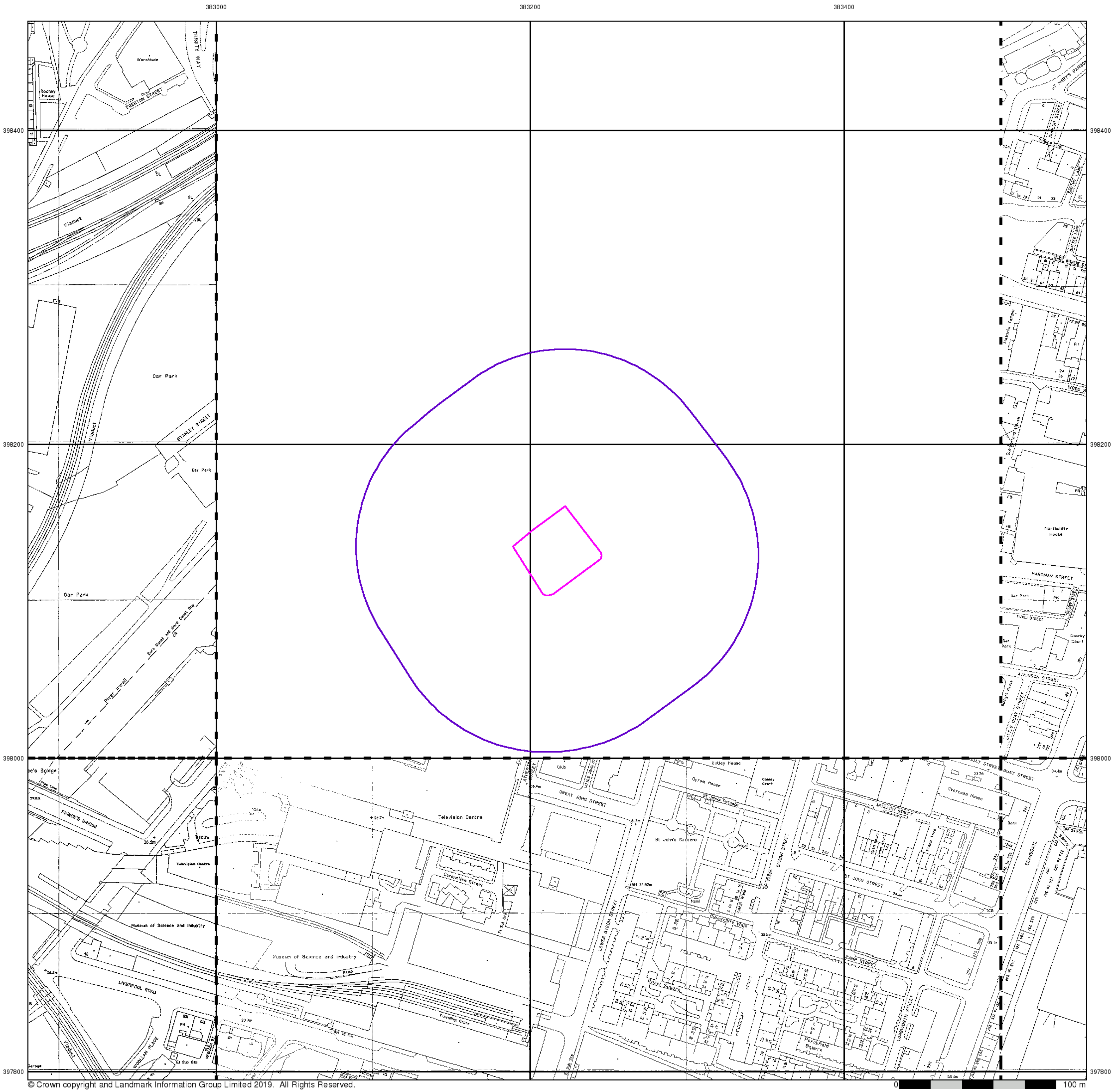
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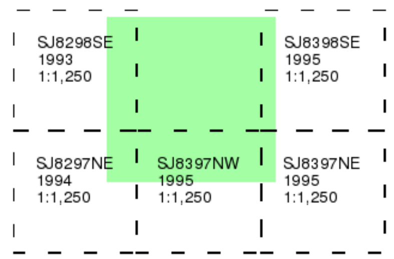
Large-Scale National Grid Data

Published 1993 - 1995

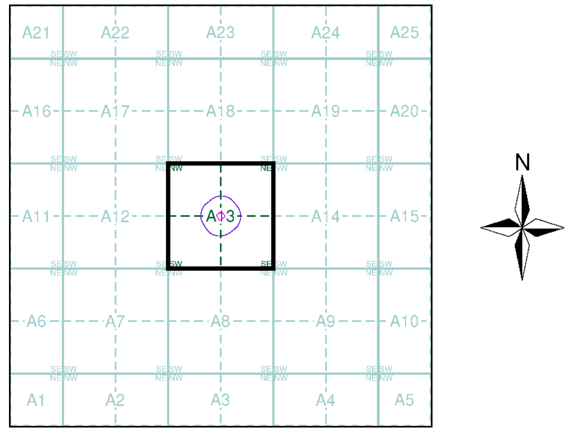
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



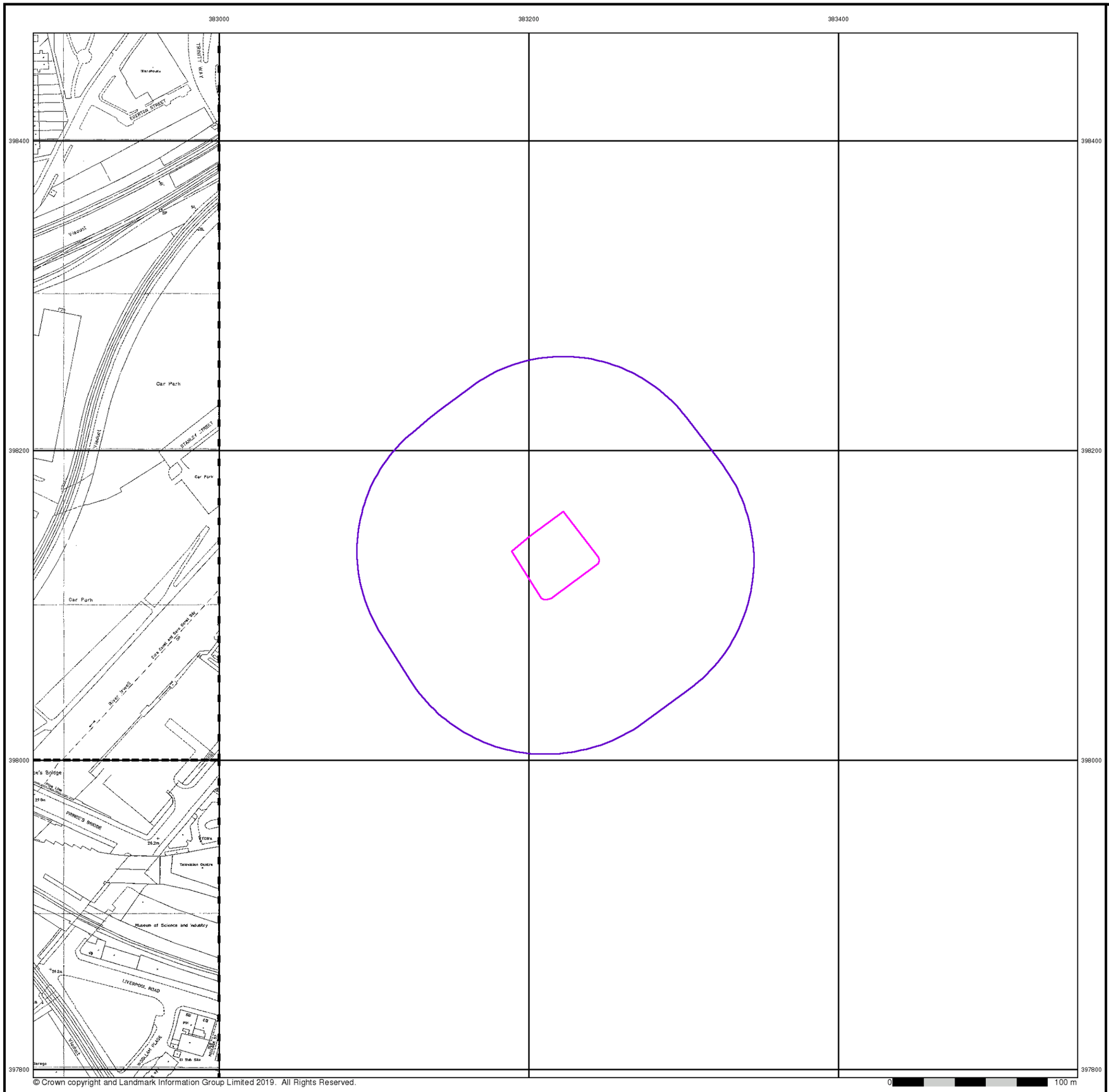
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Slice: A
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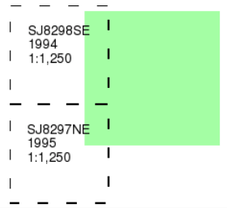
Large-Scale National Grid Data

Published 1994 - 1995

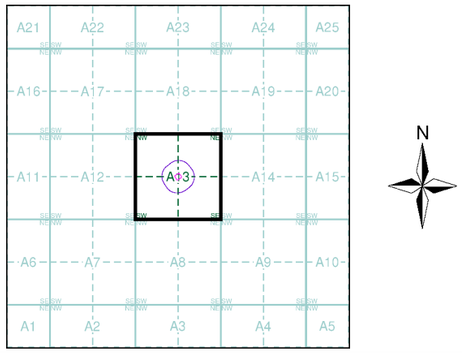
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13

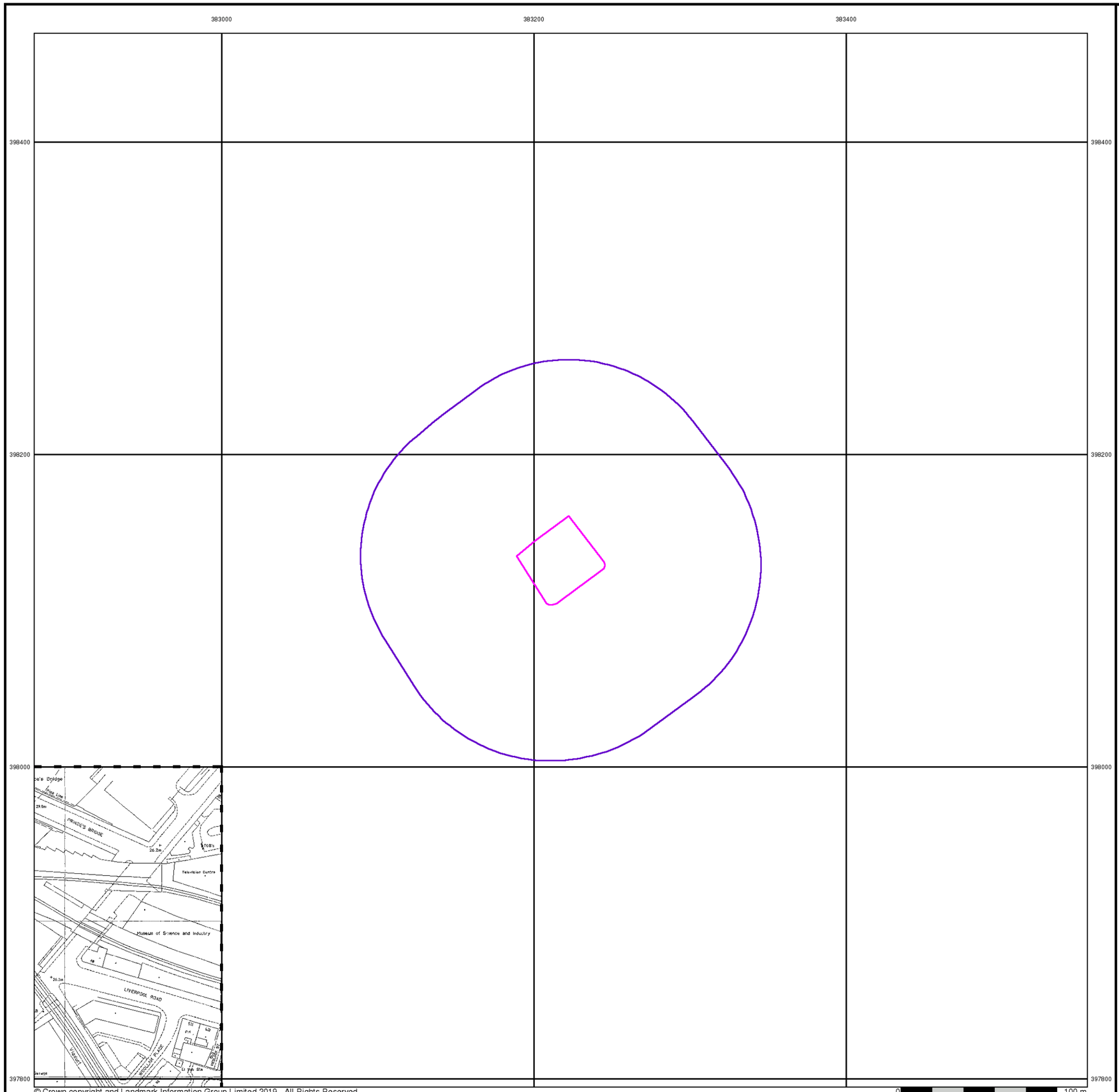


Order Details

Order Number:	217261437_1_1
Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
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0 100 m

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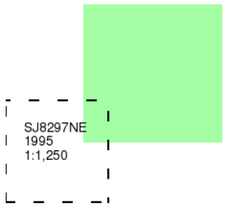
Large-Scale National Grid Data

Published 1995

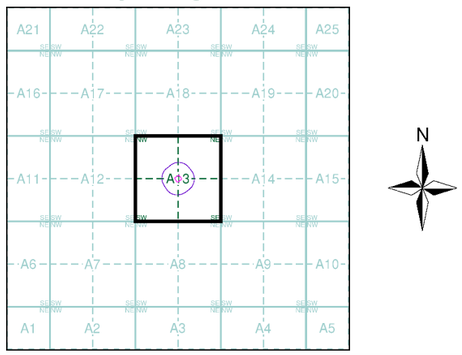
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



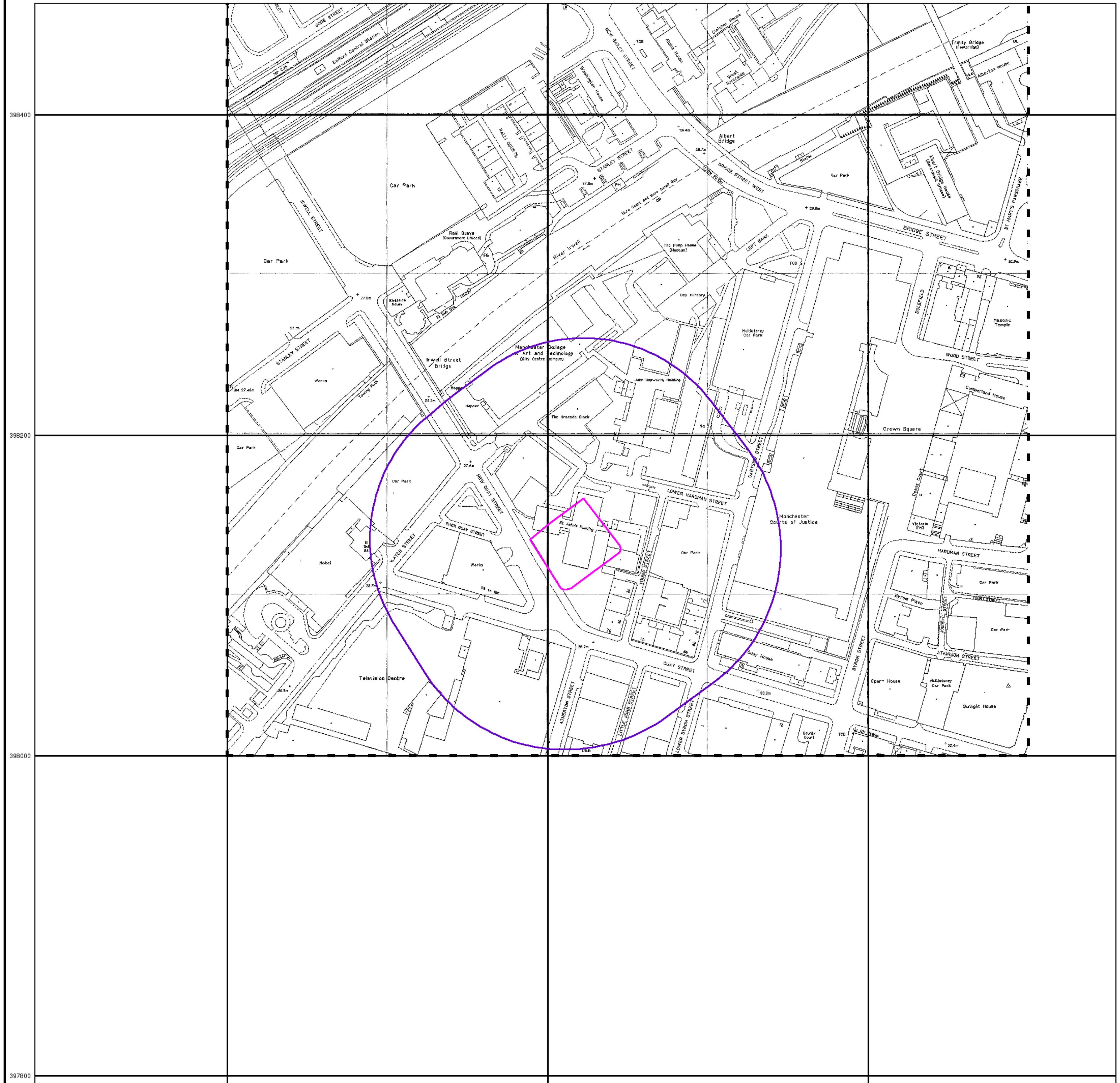
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0 100 m

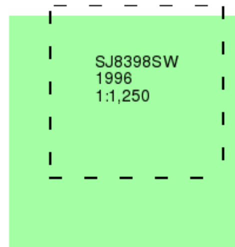
Large-Scale National Grid Data

Published 1996

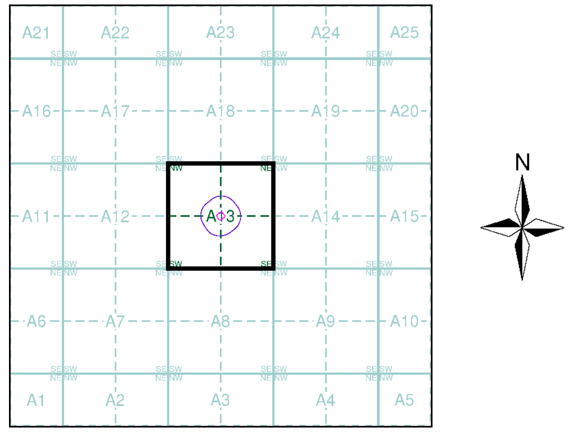
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



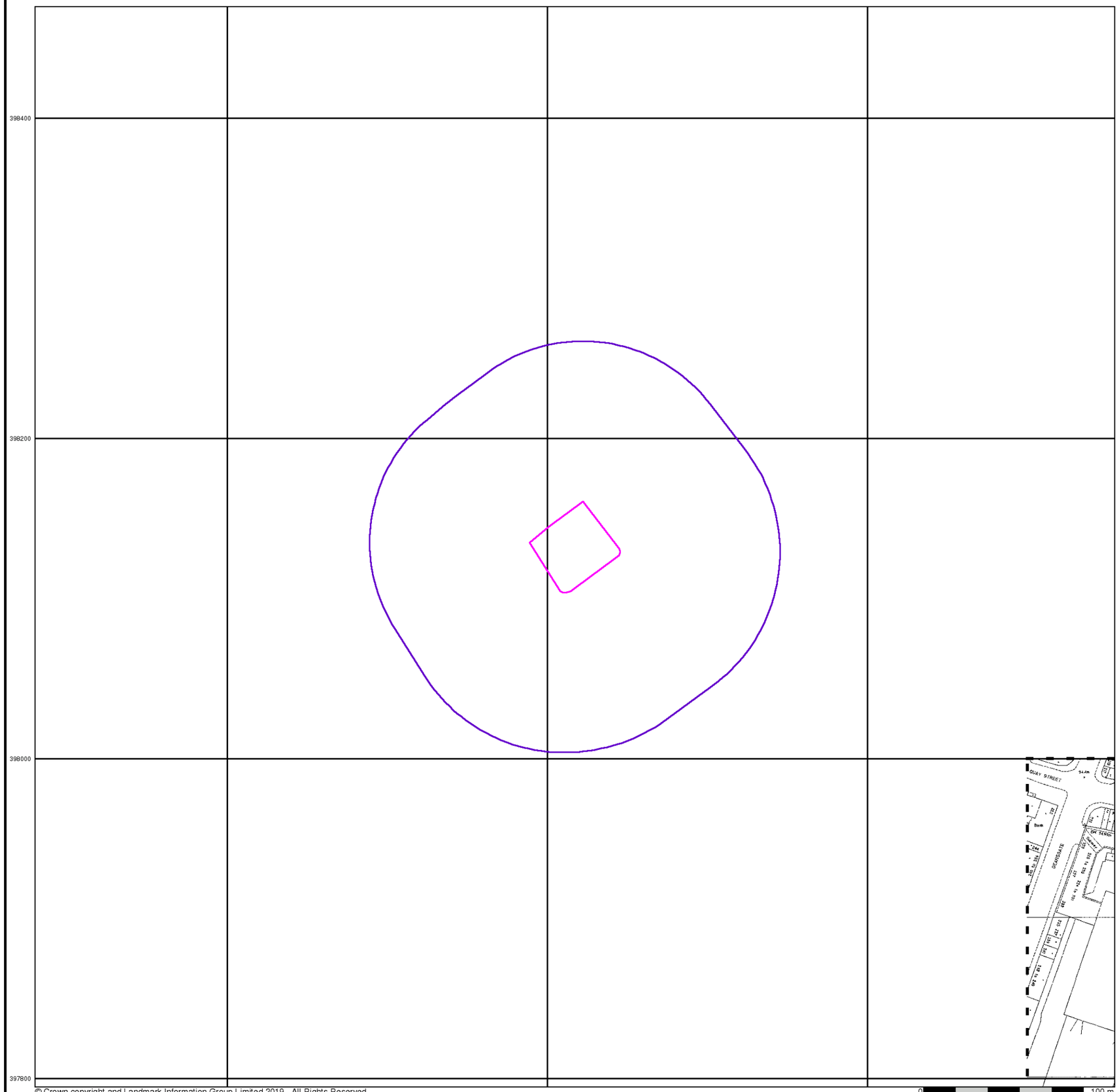
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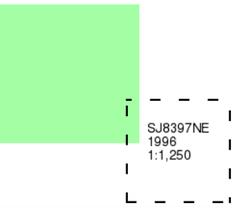
Large-Scale National Grid Data

Published 1996

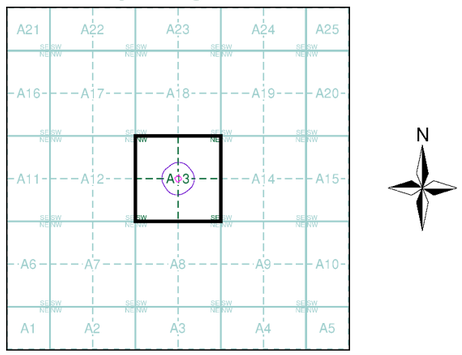
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Historical Map - Segment A13



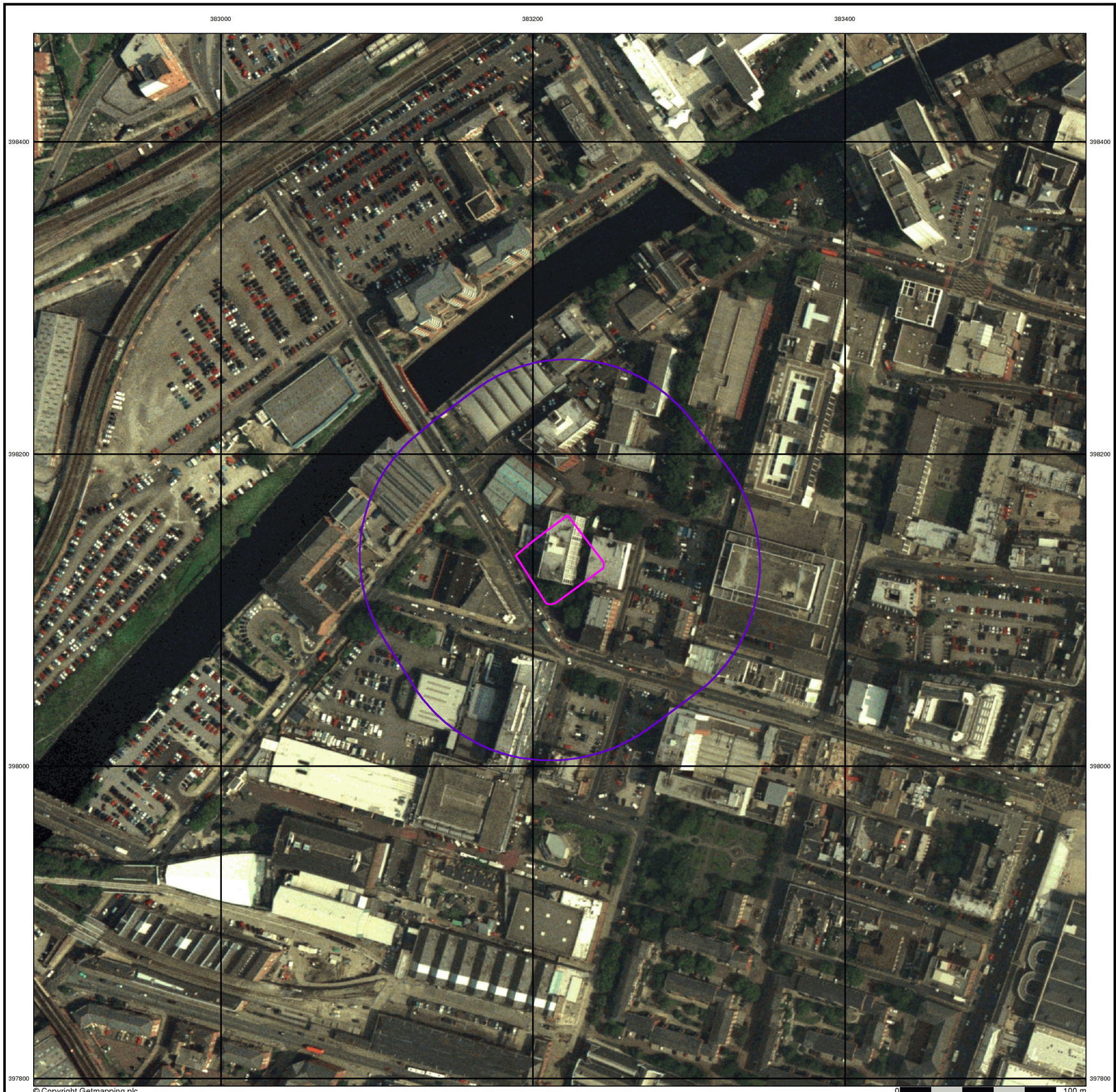
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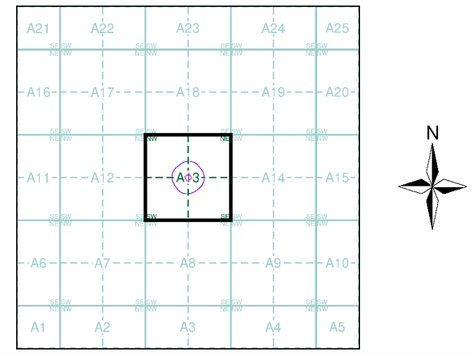
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Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number:	217261437_1_1
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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

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

1:10,000 Raster Mapping

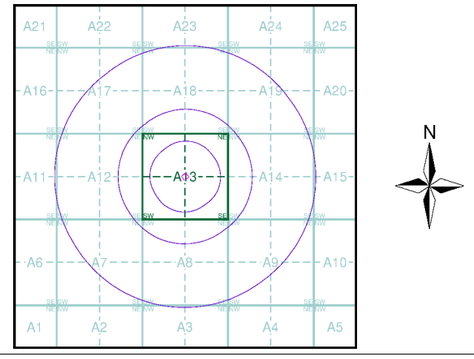
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894 - 1896	5
Lancashire And Furness	1:10,560	1909	6
Lancashire And Furness	1:10,560	1923	7
Lancashire And Furness	1:10,560	1931 - 1933	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1956	10
Ordnance Survey Plan	1:10,000	1972	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1980	13
Ordnance Survey Plan	1:10,000	1985	14
Ordnance Survey Plan	1:10,000	1989	15
Ordnance Survey Plan	1:10,000	1994	16
10K Raster Mapping	1:10,000	1999	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2019	19

Historical Map - Slice A



Order Details

Order Number: 217261437_1_1
Customer Ref: B073971
National Grid Reference: 383220, 398130
Slice: A
Site Area (Ha): 0.18
Search Buffer (m): 1000

Site Details

Manchester College of Arts & Technology, St. Johns Centre, 2, New Quay Street, Manchester, M3 3BE

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Fireproof Building
- Prominent Fireproof Building
- Non-fireproof Building
- Non-fireproof Building (non-dwelling)
- Factory, mill, and flour mill, with chimneys
- Factory, mill, and flour mill, without chimneys
- Power Station, drawn to scale
- Hydroelectric Power Station
- Radio Station, drawn to scale
- Telephone Station, drawn to scale
- Abandoned Open-pit Mine or Quarry
- Open-pit Salt Mine
- Pit
- Oil Deposit or Well
- Oil Seepage
- Tailings Pile
- Fuel Storage Tanks
- Natural Gas Tank
- Bench Mark
- Drill Hole
- Burial Mound
- Triangulation Point on Burial Mound
- Single-track Railroad
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation

243,8 — Values for prominent elevations

186.0 — Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 — Velocity of the current, width of river bed, depth of river

Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Partly Demolished Buildings
- Demolished Buildings
- Built-Up Area with Fireproof Buildings Predominant
- Built-Up Area with Non-Fireproof Buildings Predominant
- Individual Fireproof Building
- Prominent Industrial Building
- Individual Dwelling, Fireproof
- Ruins of an Individual Dwelling
- Factory or Mill Chimney
- Factory or Mill with Chimney
- Factory or Mill without Chimney
- Mine or Open Pit Mine
- Operating Shaft or Mine
- Non-Operating Shaft or Mine
- Salt Mine
- Tailings Pile
- Pit
- Stone Quarry
- Gas Pump or Service Station
- Fuel Storage or Natural Gas Tank
- Oil or Natural Gas Derrick
- Small Hydroelectric Power Station
- Power Station
- Transformer Station
- Cemetery
- Burial Mound (height in metres)
- Triangulation Point on Burial Mound
- Triangulation Point
- Bench Mark
- Bench Mark (monumented)
- Telegraph Office
- Telephone Station
- Radio Station
- Radio Tower
- Airfield or Seaplane Base
- Landing Strip
- Main Highway
- Highway under Construction
- Improved Dirt Road (former truck road)
- Double-track Railroad with First Class Station
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment
- 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

SJ89_Manchester

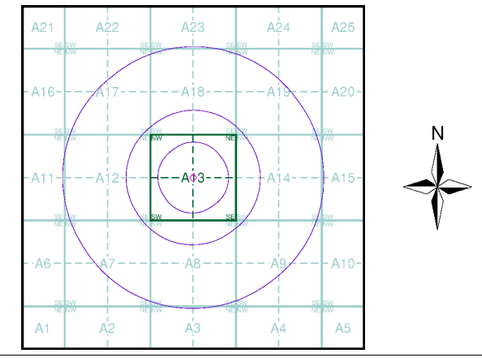
No.	Description
1	Airfield/Airport
6	Railway Station
62	Factory (Gas)
66	Factory (Gas)
168	Post Office
197	Railway Station

curtins

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894 - 1896	5
Lancashire And Furness	1:10,560	1909	6
Lancashire And Furness	1:10,560	1923	7
Lancashire And Furness	1:10,560	1931 - 1933	8
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10K Raster Mapping	1:10,000	1999	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2019	19

Russian Map - Slice A



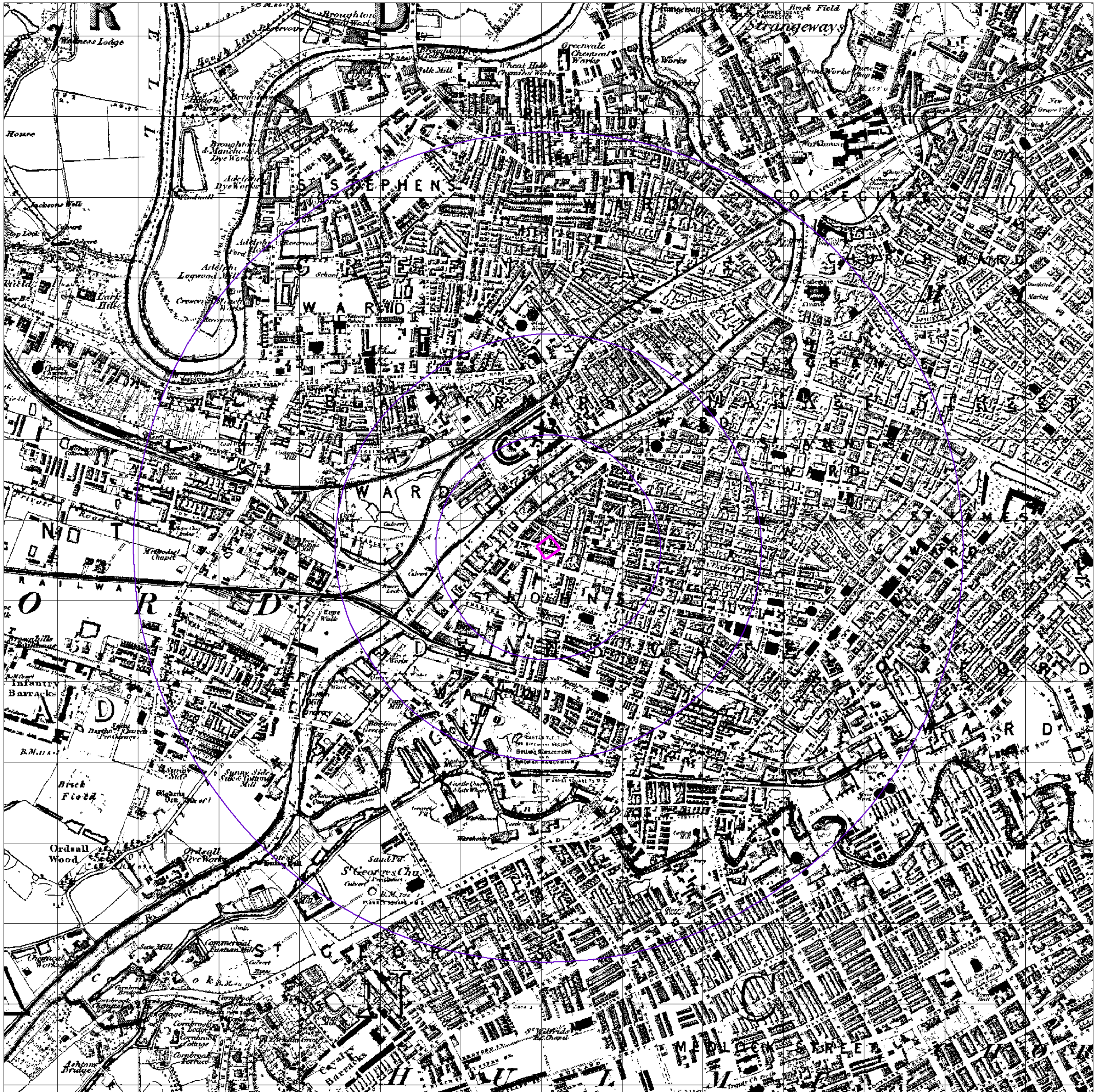
Order Details

Order Number: 217261437_1_1
Customer Ref: B073971
National Grid Reference: 383220, 398130
Slice: A
Site Area (Ha): 0.18
Search Buffer (m): 1000

Site Details

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0 400 m

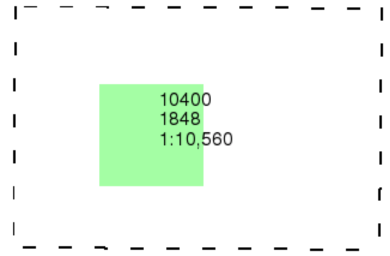
Lancashire And Furness

Published 1848

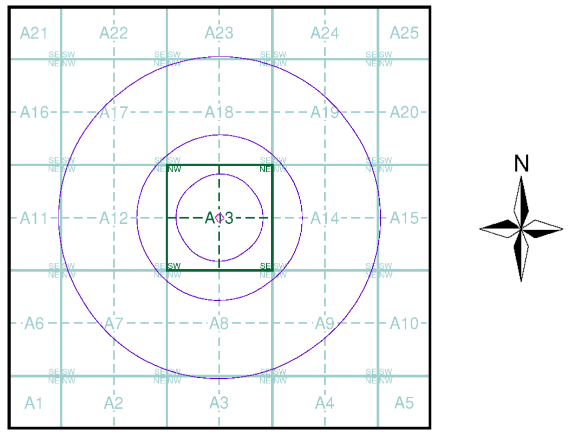
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



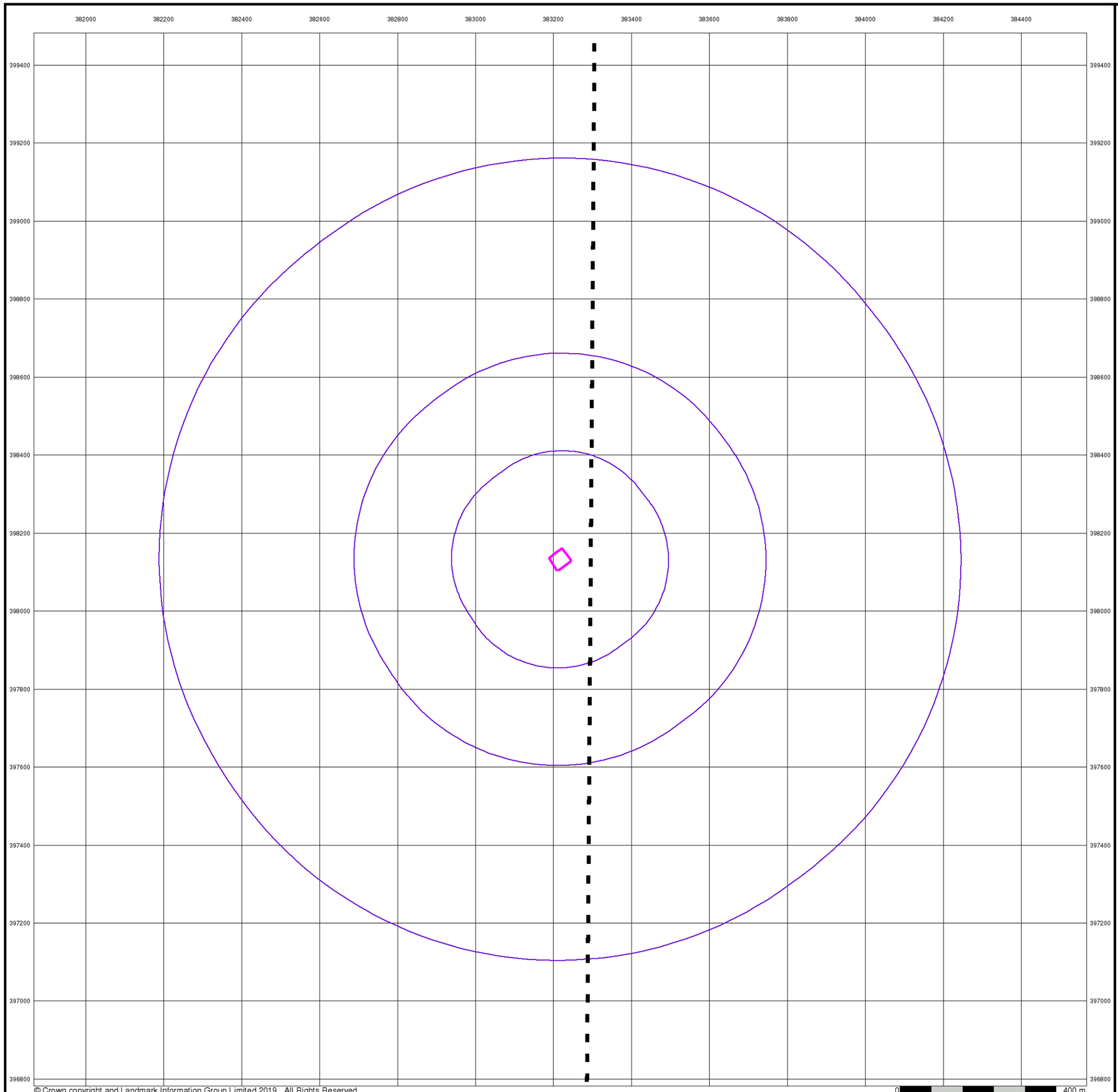
Order Details

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National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
Search Buffer (m):	1000

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curtins

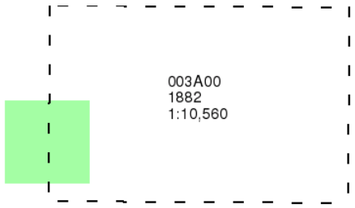
Cheshire

Published 1882

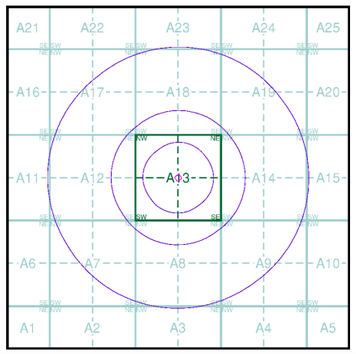
Source map scale - 1:10,560

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

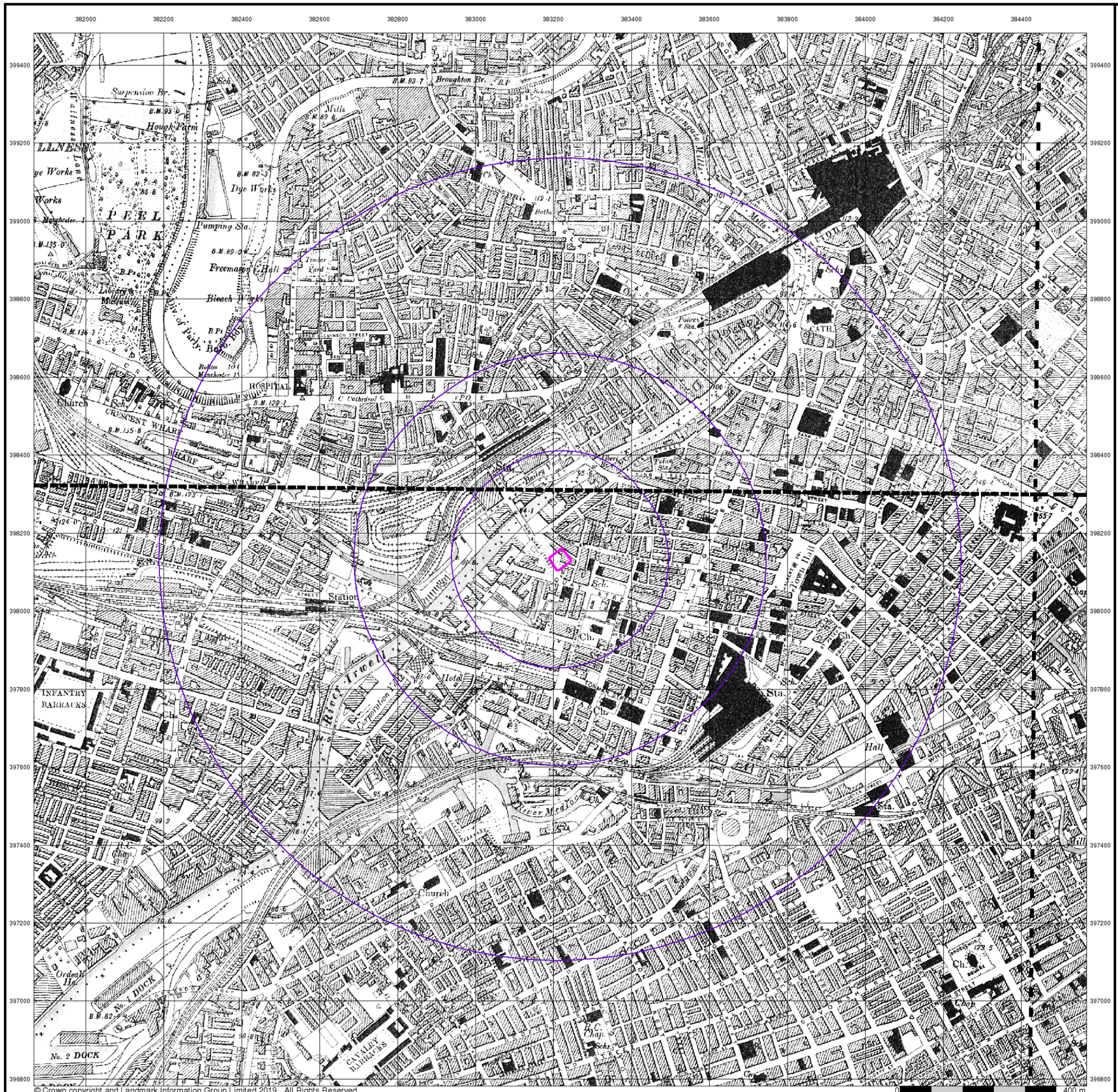
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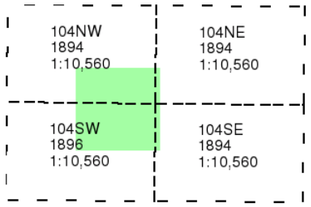
Lancashire And Furness

Published 1894 - 1896

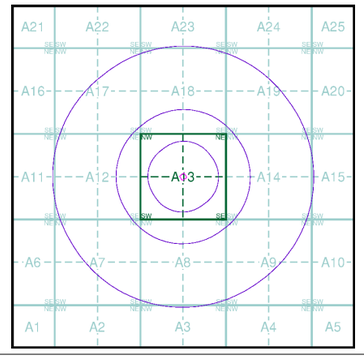
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

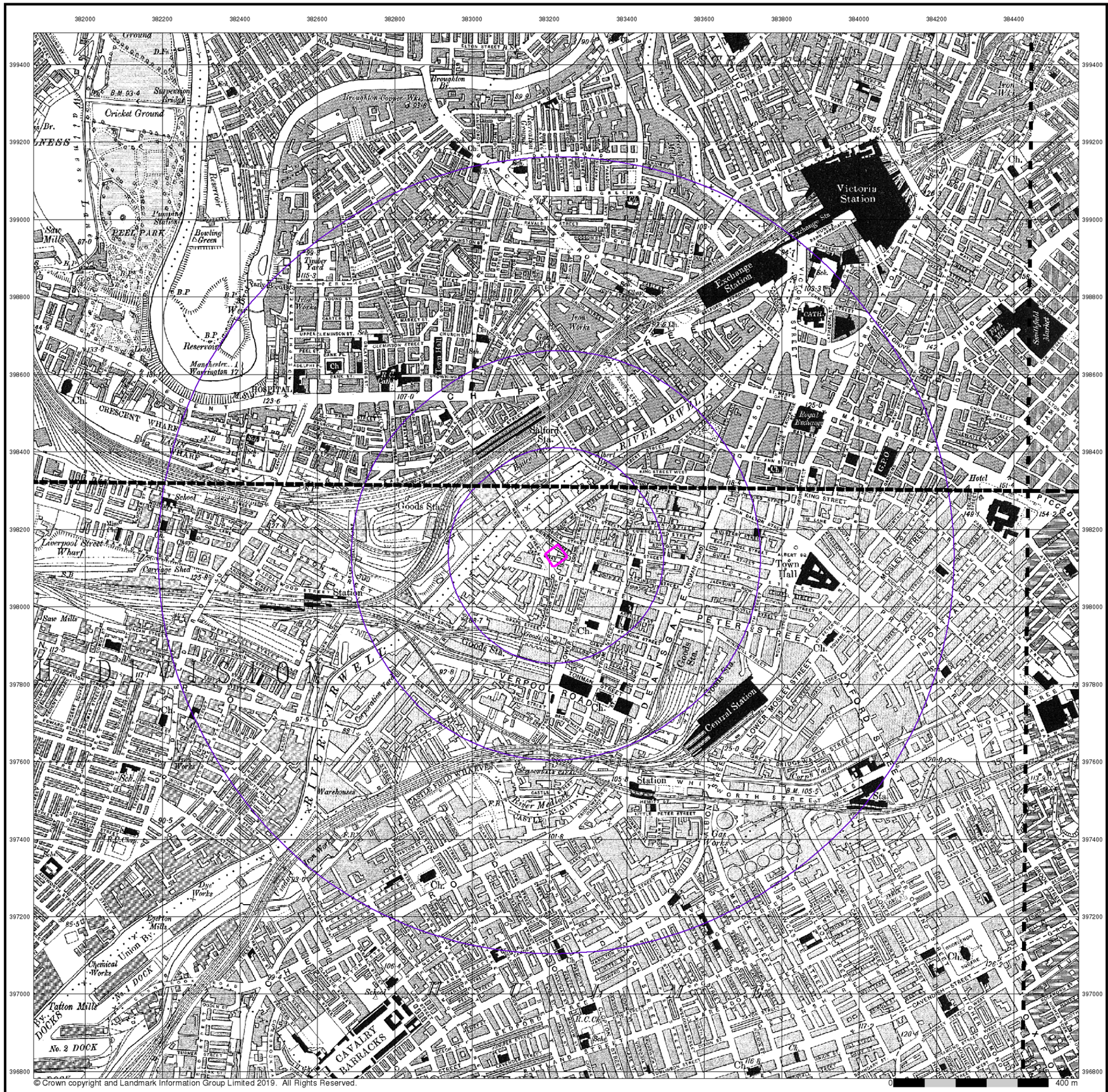
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Lancashire And Furness

Published 1909

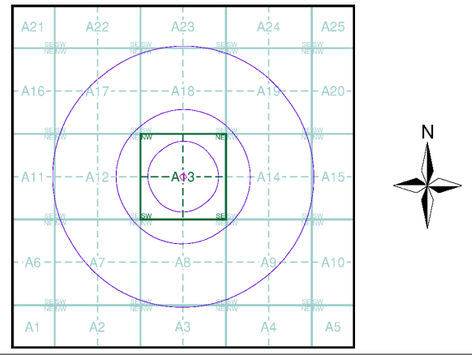
Source map scale - 1:10,560

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)

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

Historical Map - Slice A



Order Details

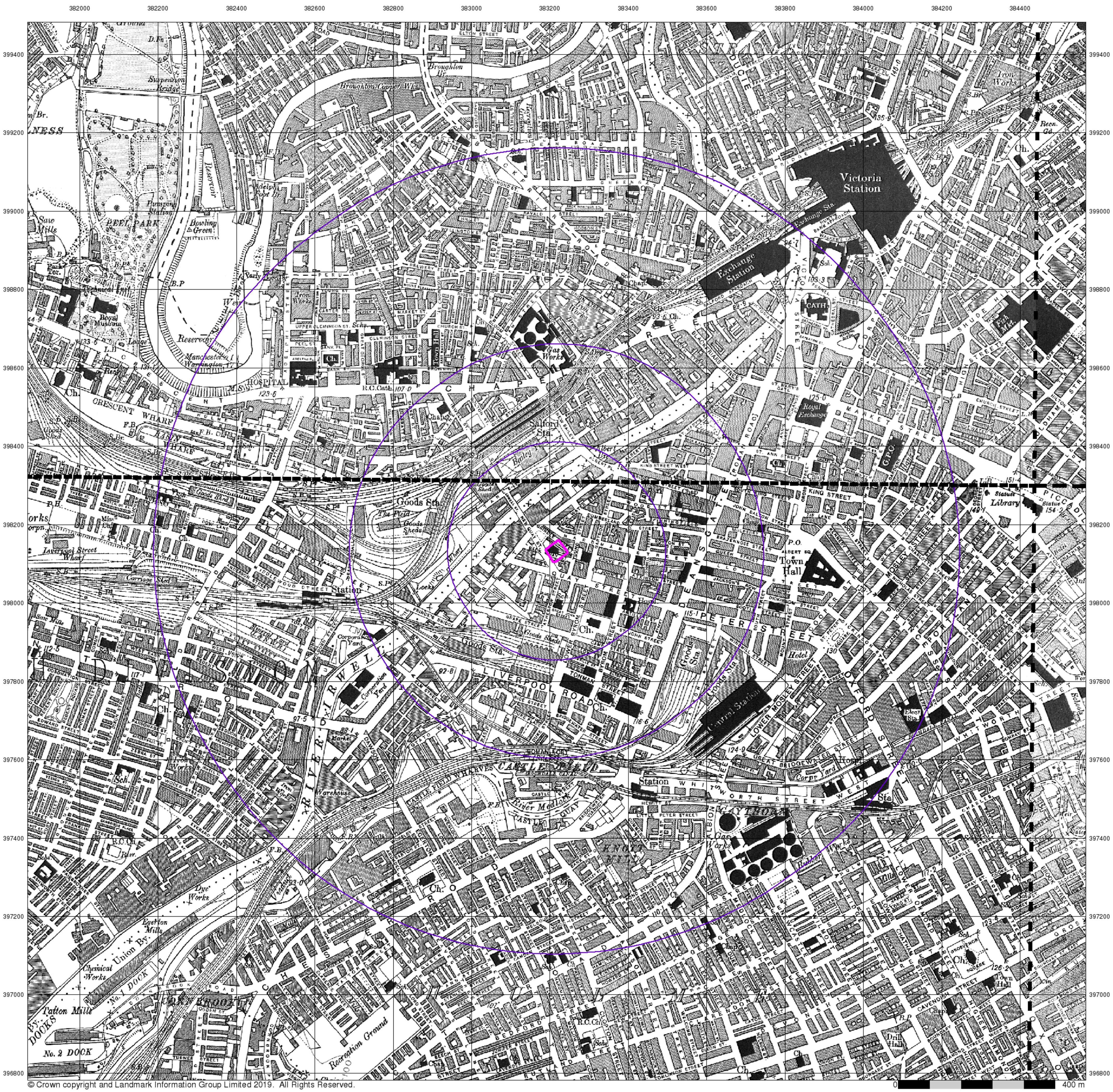
Order Number:	217261437_1_1
Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
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Lancashire And Furness

Published 1923

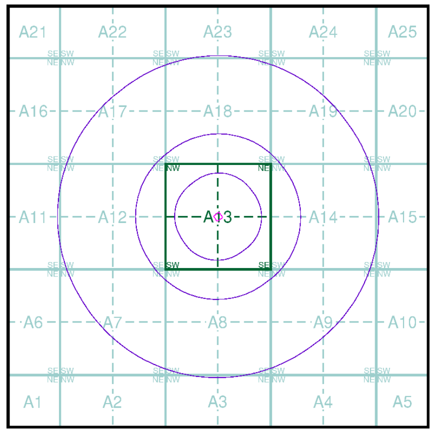
Source map scale - 1:10,560

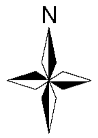
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

104NW 1923 1:10,560	104NE 1923 1:10,560
104SW 1923 1:10,560	104SE 1923 1:10,560

Historical Map - Slice A





Order Details

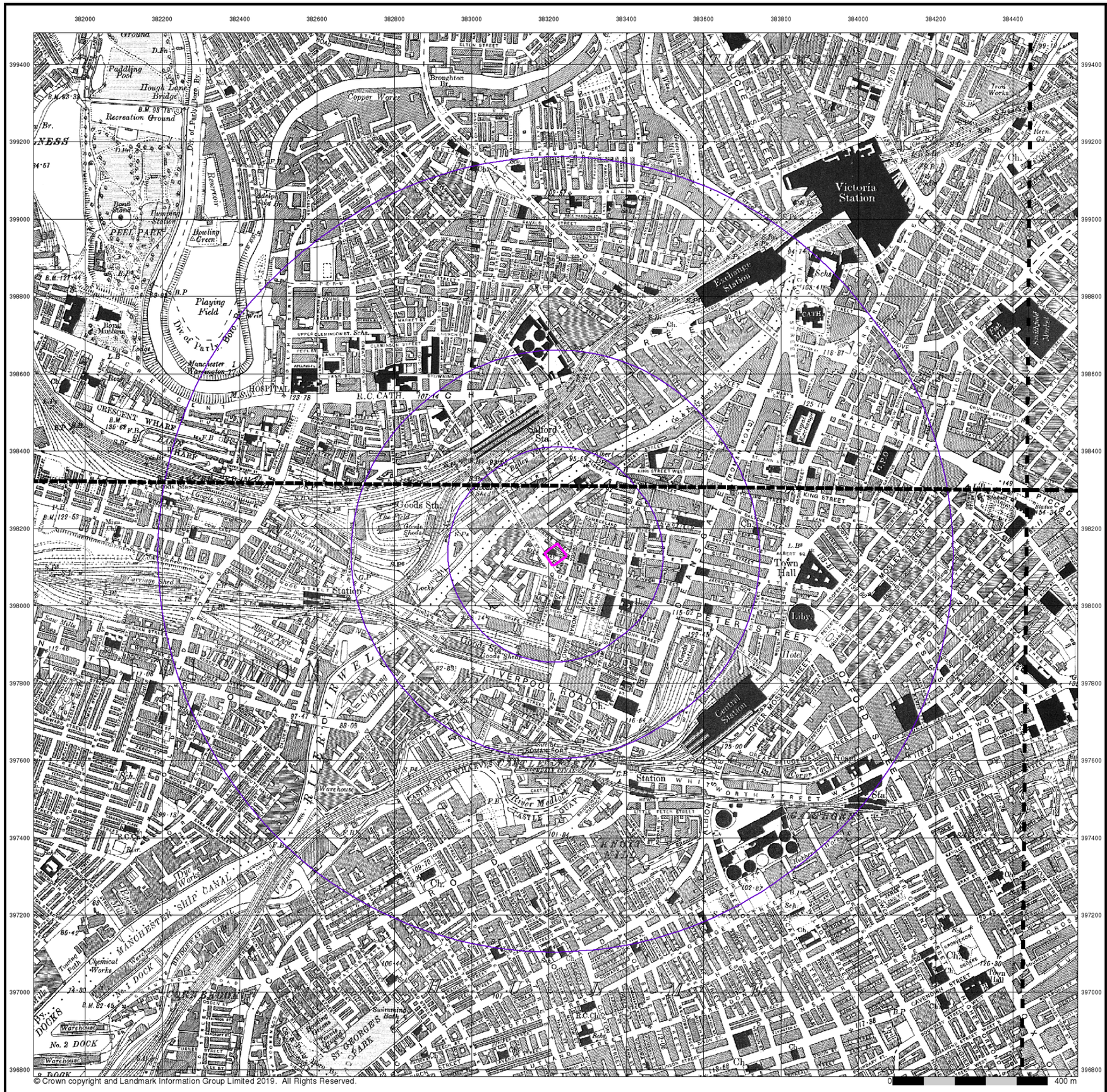
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Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
Search Buffer (m):	1000

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curtins

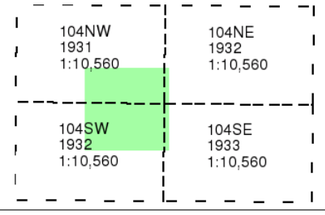
Lancashire And Furness

Published 1931 - 1933

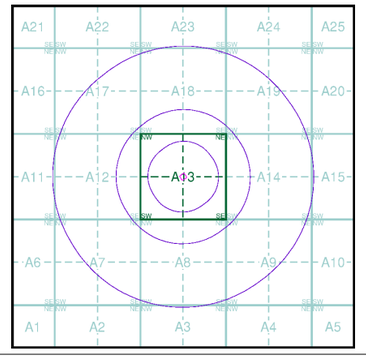
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



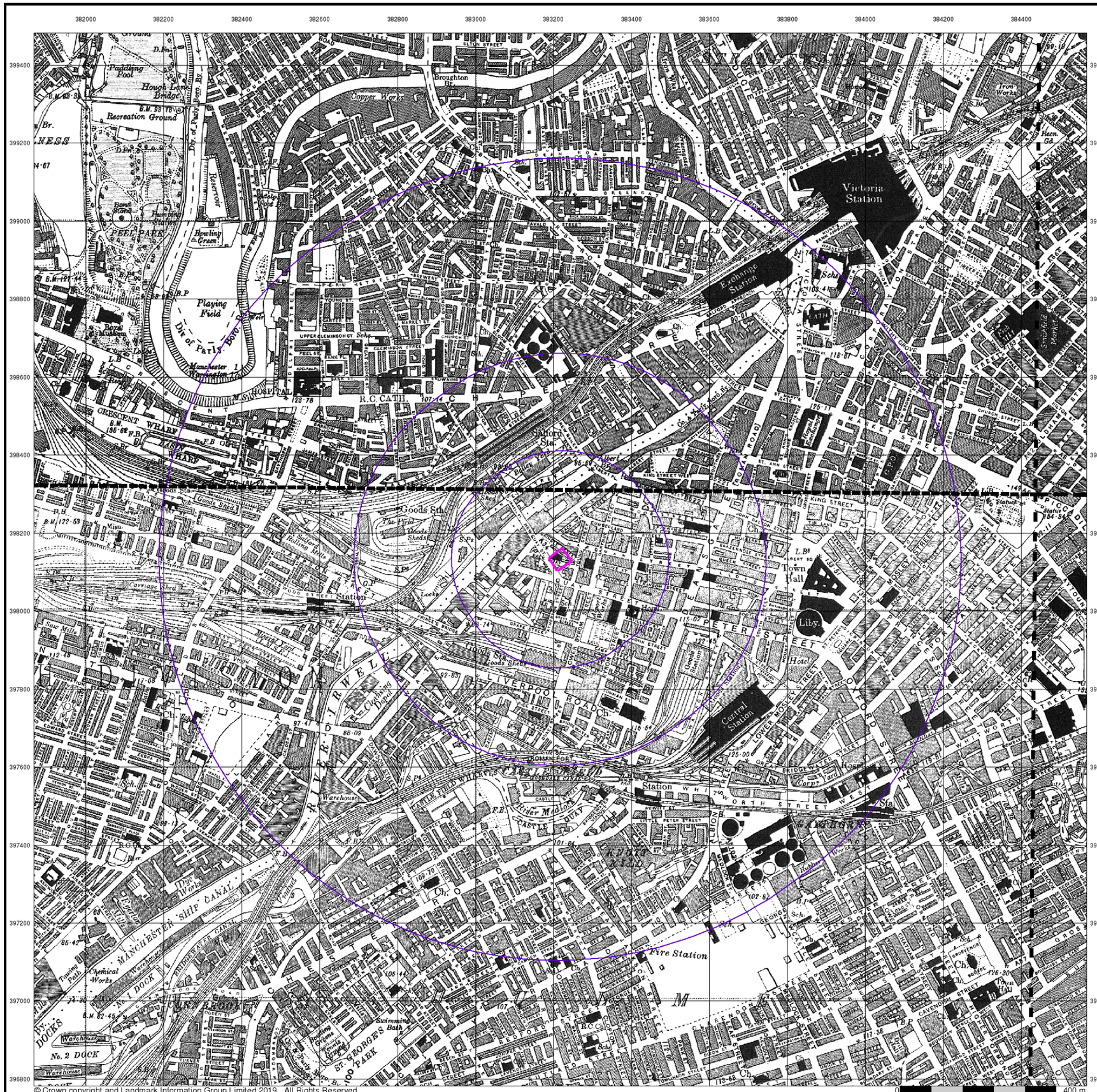
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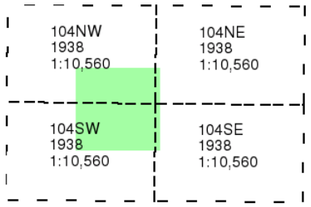
Lancashire And Furness

Published 1938

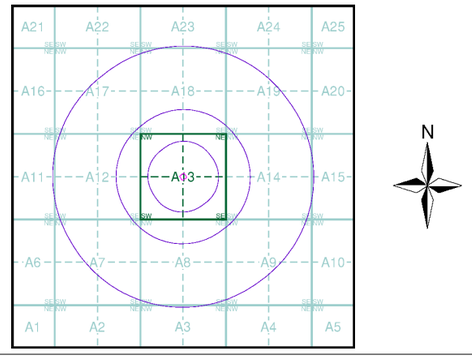
Source map scale - 1:10,560

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

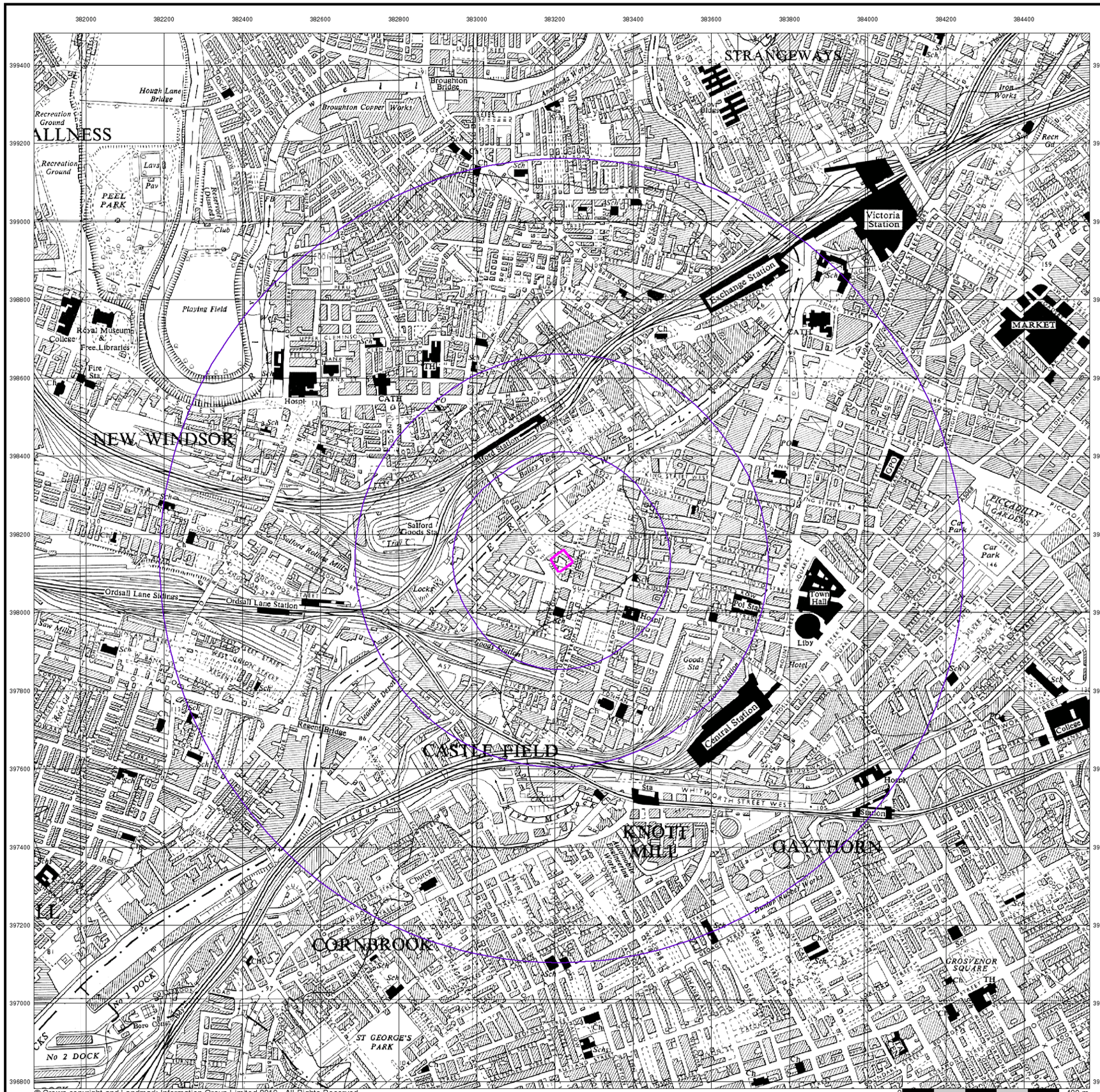
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Customer Ref:	B073971
National Grid Reference:	383220, 398130
Slice:	A
Site Area (Ha):	0.18
Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1956

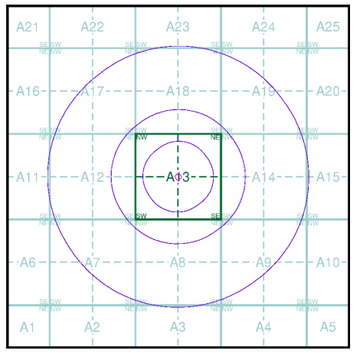
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



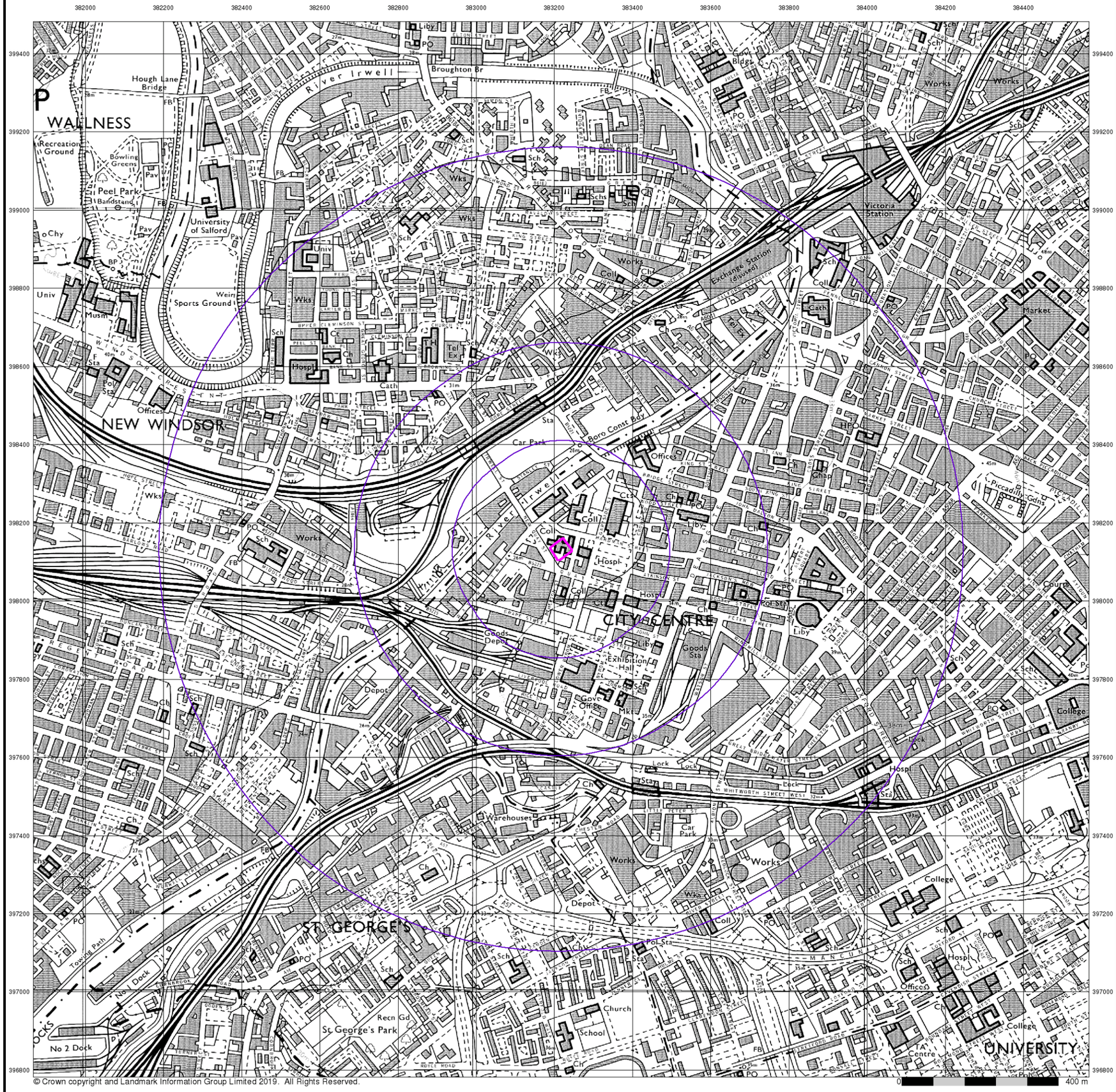
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Ordnance Survey Plan

Published 1972

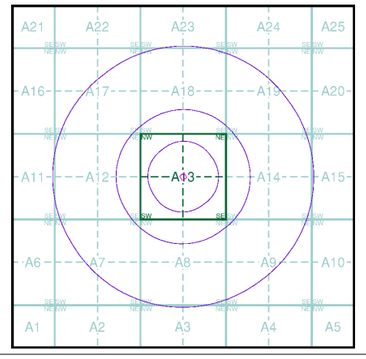
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



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Manchester

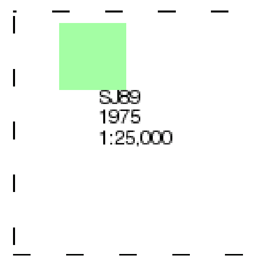
Published 1975

Source map scale - 1:25,000

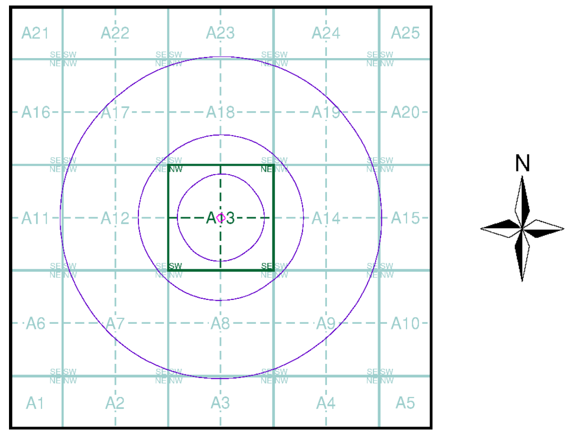
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

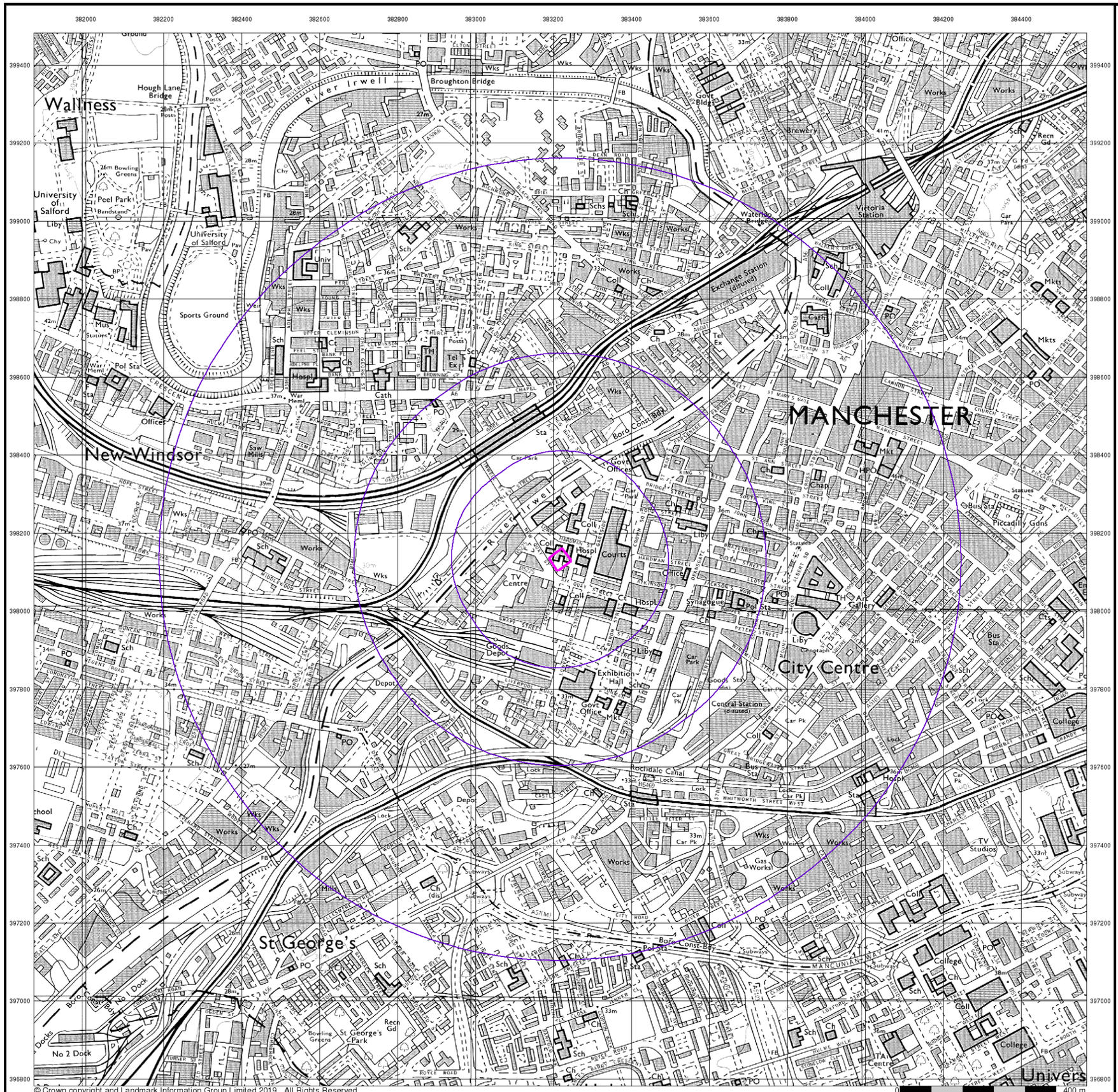
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Ordnance Survey Plan

Published 1980

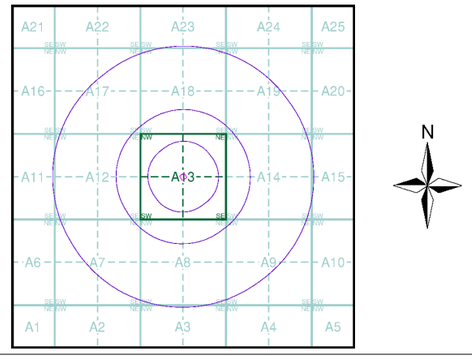
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Map Name(s) and Date(s)



Historical Map - Slice A

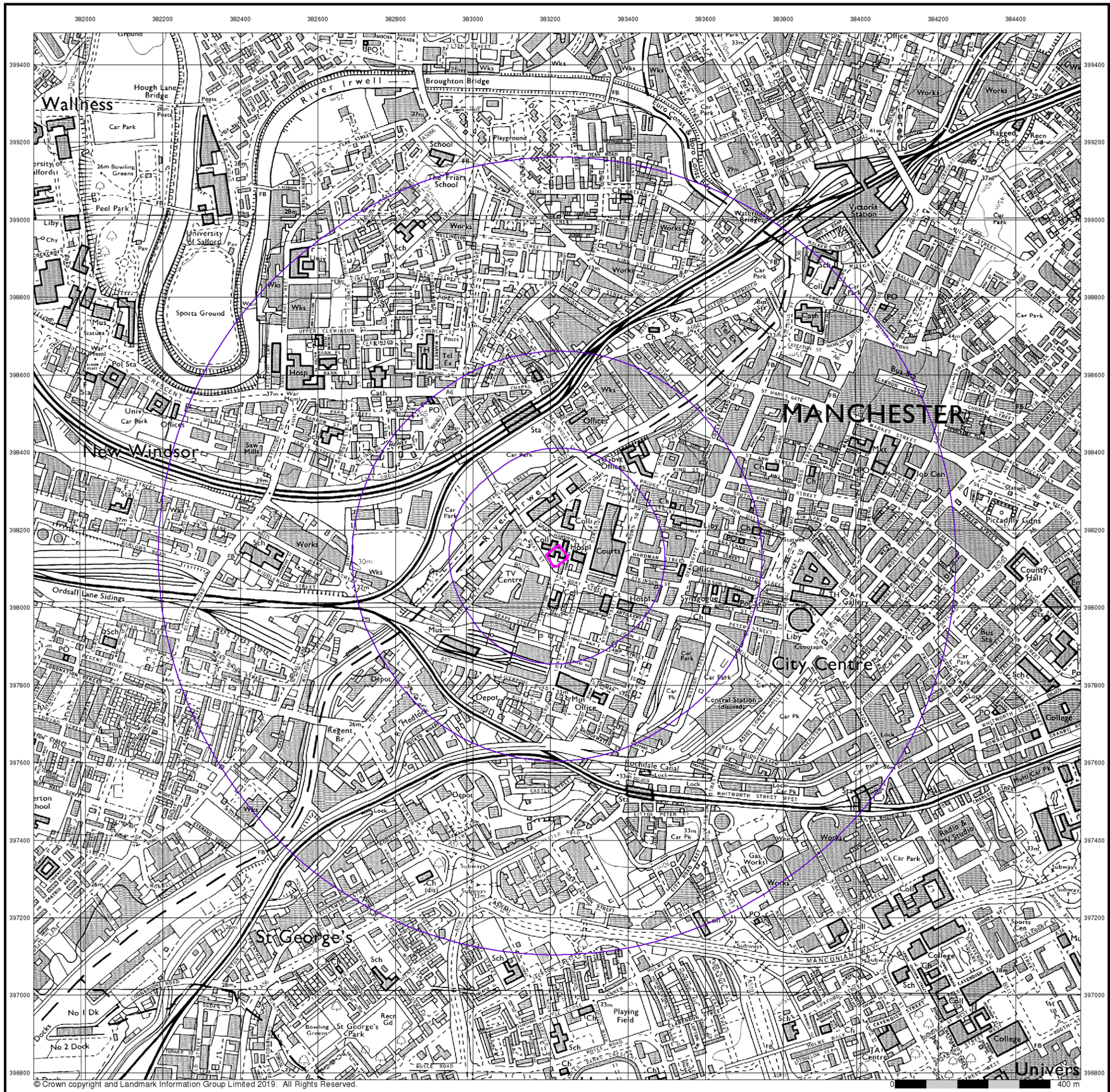


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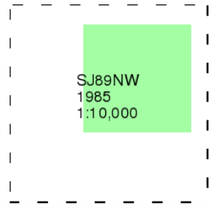
Ordnance Survey Plan

Published 1985

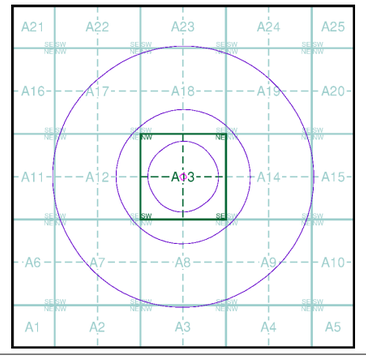
Source map scale - 1:10,000

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Historical Map - Slice A



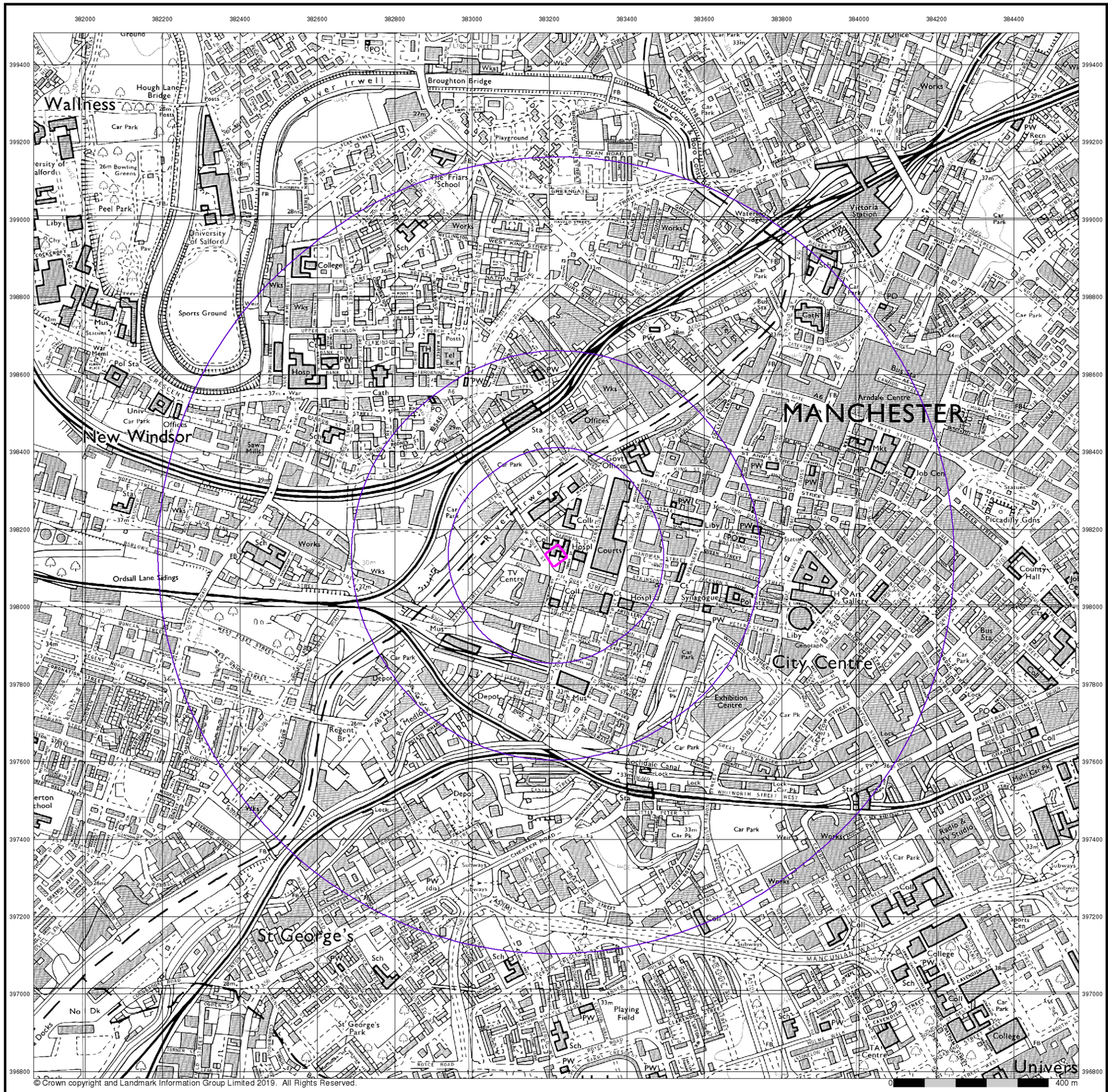
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Ordnance Survey Plan

Published 1989

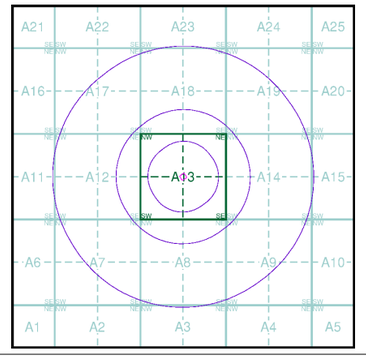
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Map Name(s) and Date(s)



Historical Map - Slice A



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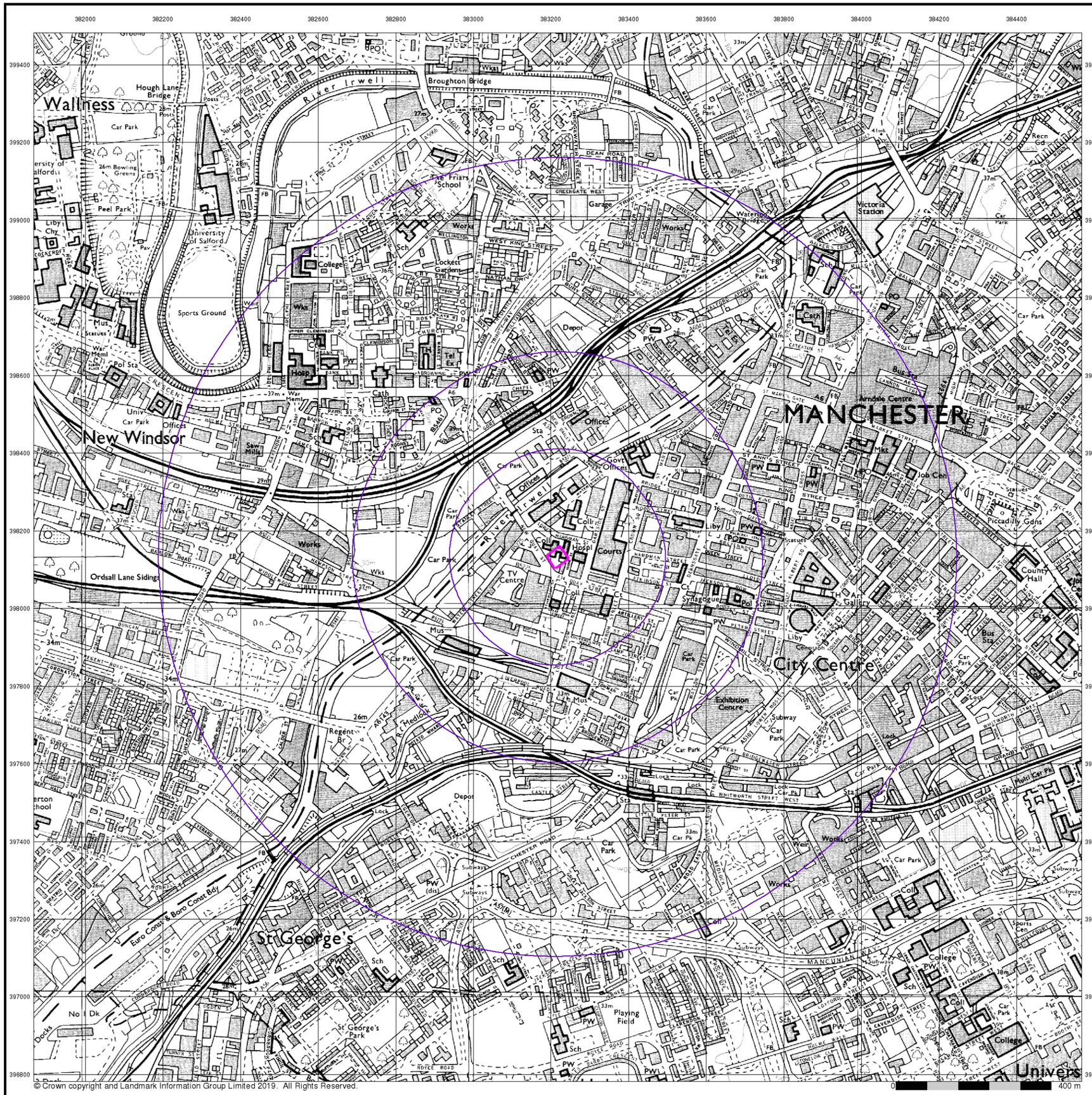
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Ordnance Survey Plan

Published 1994

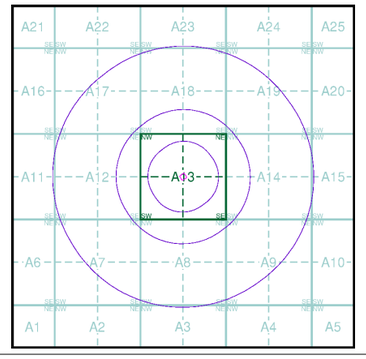
Source map scale - 1:10,000

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Historical Map - Slice A



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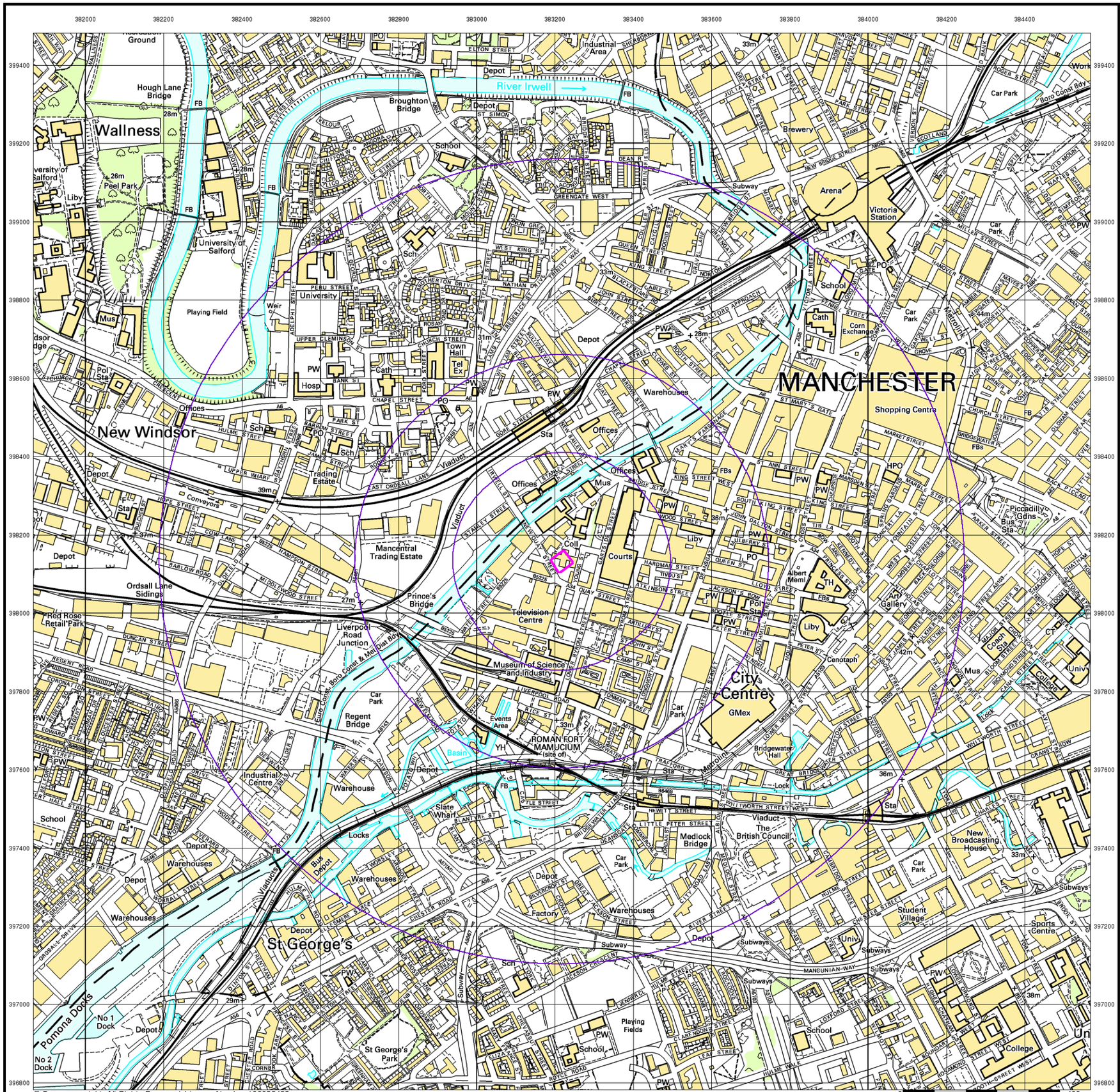
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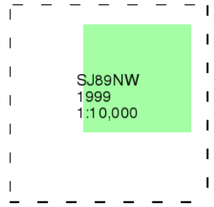
10k Raster Mapping

Published 1999

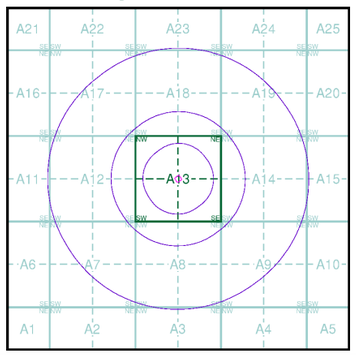
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

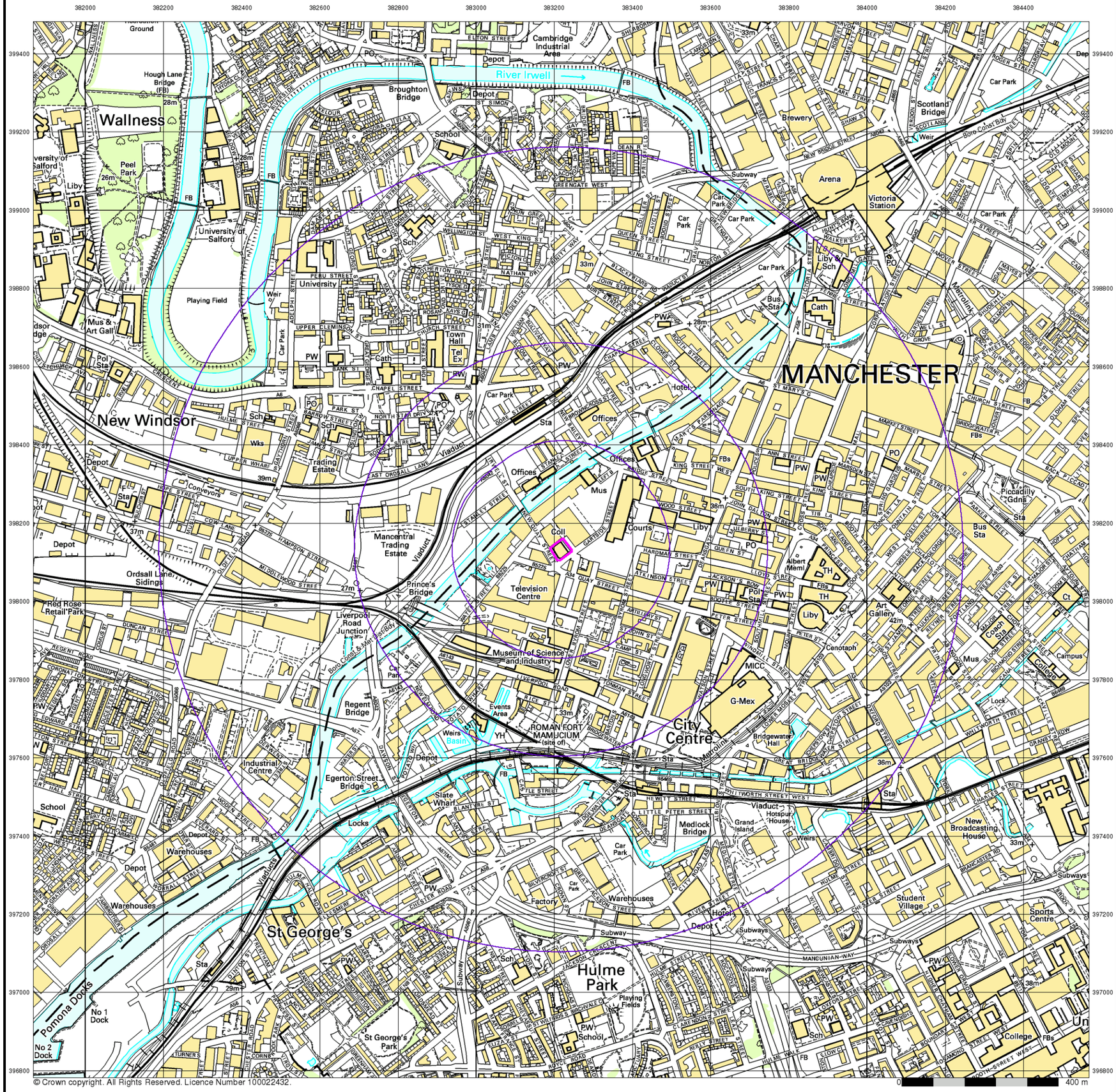
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10k Raster Mapping

Published 2006

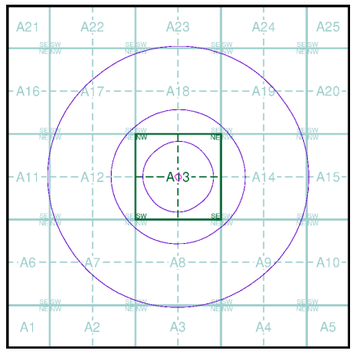
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Historical Map - Slice A



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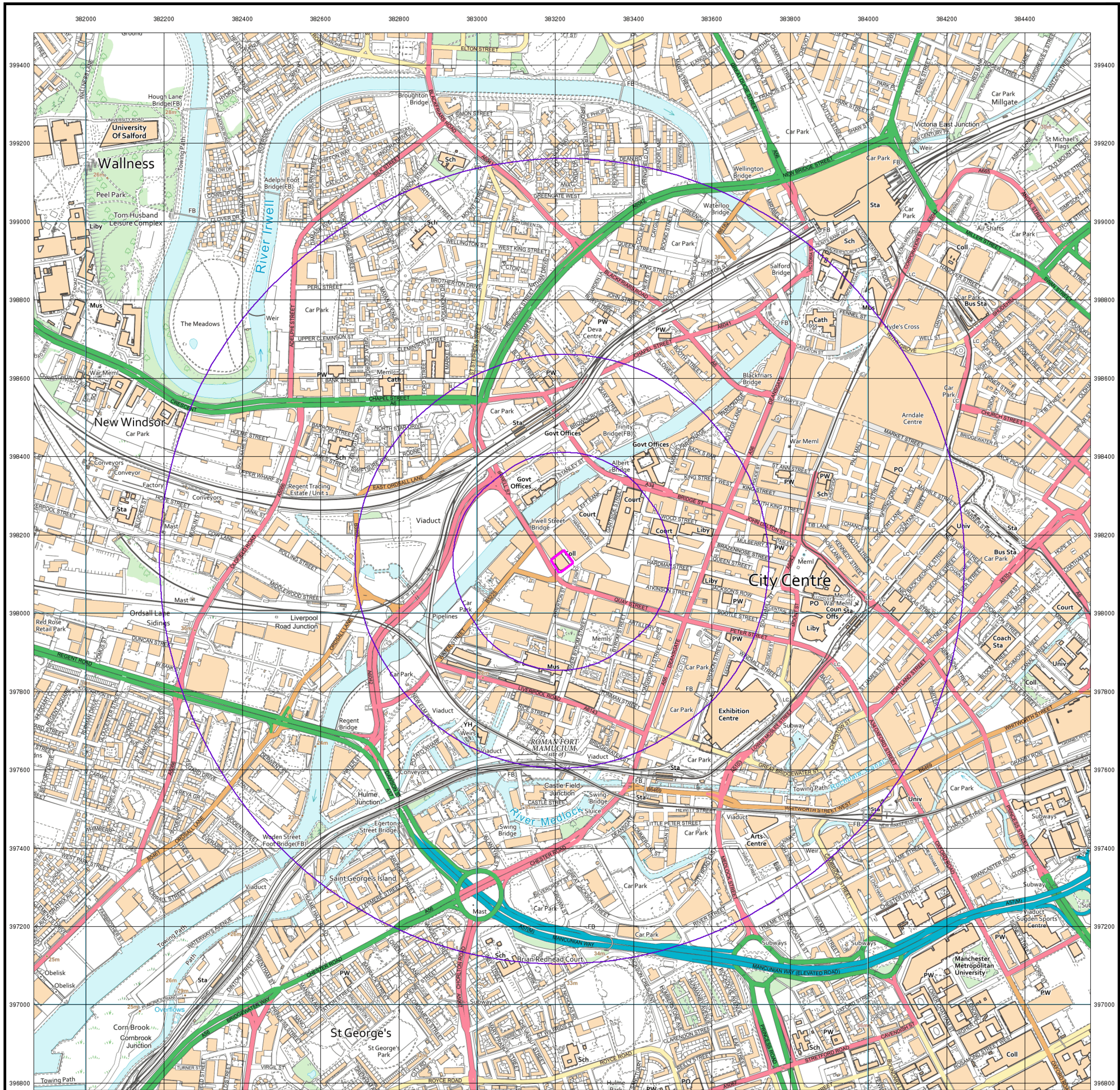
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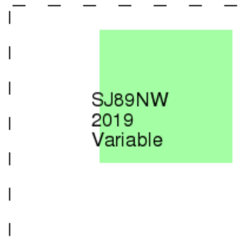
VectorMap Local

Published 2019

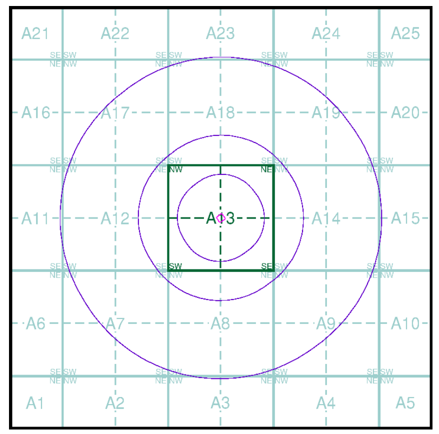
Source map scale - 1:10,000

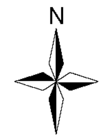
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap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

Map Name(s) and Date(s)



Historical Map - Slice A





Order Details

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EXPLANATION OF SIGNS
USED ON
INSURANCE PLANS OF TOWNS & CITIES

CHAS. E. GOAD, LTD. CIVIL ENGINEERS — 56 CROUCH HILL LONDON N.4

ABBREVIATIONS

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

COLORS

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

WALLS

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

OPENINGS

- PASSAGE UNDER
- ON ALL FLOORS
- SOME FLOORS ONLY
- ALL FLOORS (PROTECTED)
- ALL FLOORS (SOME PROTECTED)
- SOME FLOORS ONLY (PROTECTED)
- ALL FLOORS (SOME PROTECTED)
- ALL FLOORS (PROTECTED)
- SOME FLOORS ONLY (PROTECTED)
- WOOD LOADING DOOR
- IRON LOADING DOOR

Unprotected — Single Iron Doors — Double Iron Doors

WINDOWS

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

Unprotected

FLOORS

1.2.3.3½ &c. ON BUILDINGS ARE NUMBER OF STORIES ABOVE GROUND (3½=3 FLOORS & ATTIC)

2&2B MEANS 2 STORIES & 2 BASEMENTS BASE & SUB-BASEMENT

SKYLIGHTS

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

} OVER 50 Sq. Ft. TO SCALE

HOISTS & LIFTS

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

IRON DOORS SHOWN AS EXPLAINED UNDER "OPENINGS"

ROOFS

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

PROFILES

WITH NORTH LIGHTS

SUNDRIES

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

REFERENCE NUMBERS

- NUMBERS PARALLEL WITH STREET ARE EXISTING STREET Nºs
- WHERE TWO SETS OF STREET Nºs IN SAME BLOCK COINCIDE, ADDITIONAL ARBITRARY Nºs ARE GIVEN TO ONE SET (500 & UPWARDS)
- WHERE BUILDINGS TO WHICH THEY APPLIED ARE DEMOLISHED, STREET & ARBITRARY Nºs ARE SHOWN & CROSSED THROUGH ON REVISION
- —48'— ARE STREET WIDTHS.
- (37') ARE HEIGHTS OF GROUND ABOVE ORDNANCE DATUM
- HEIGHT IN FEET OF ADJOINING BUILDINGS WHERE STORIES DIFFER IN HEIGHT
- SIZES OF WATER MAINS SUPPLYING HYDRANTS

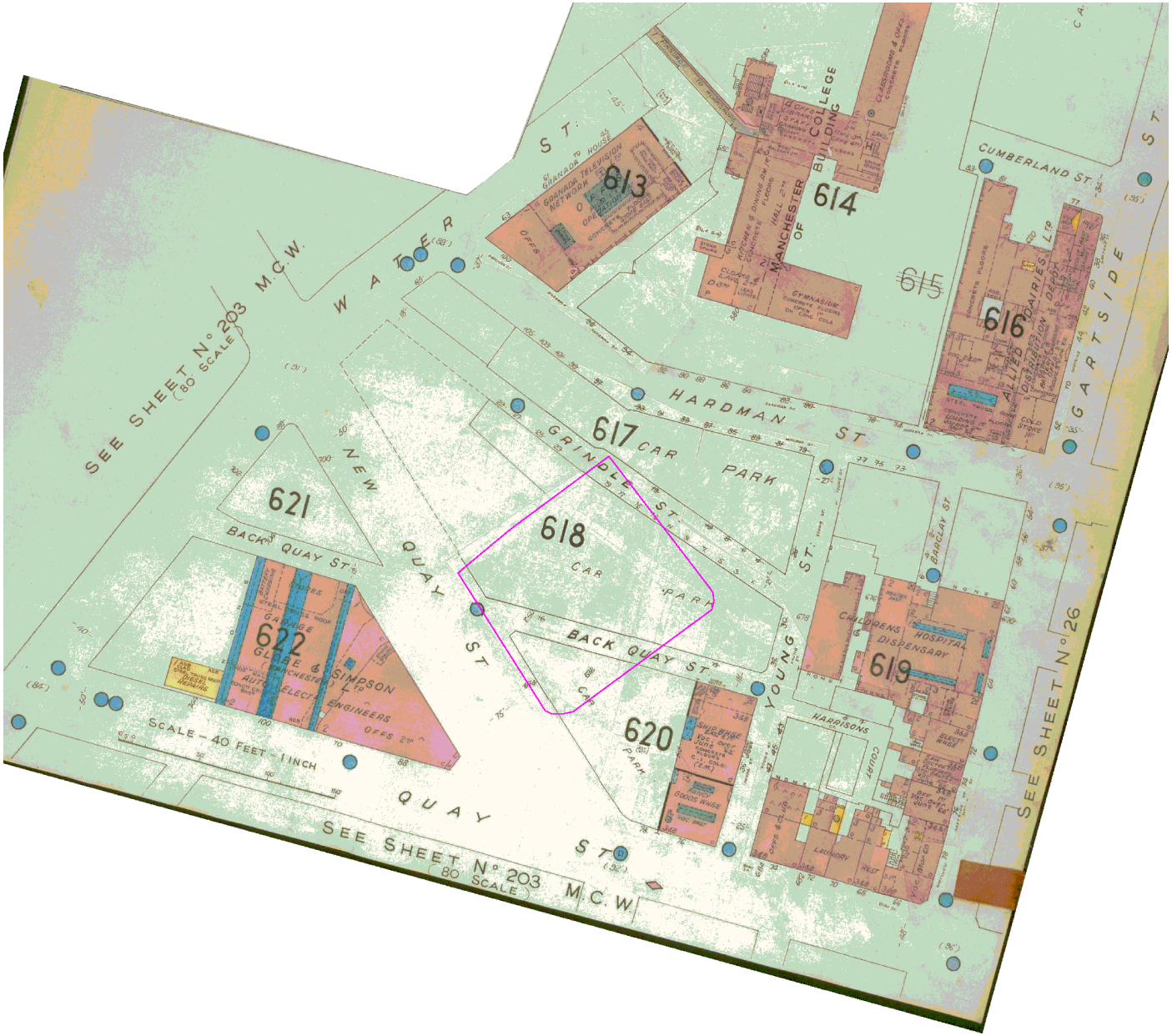
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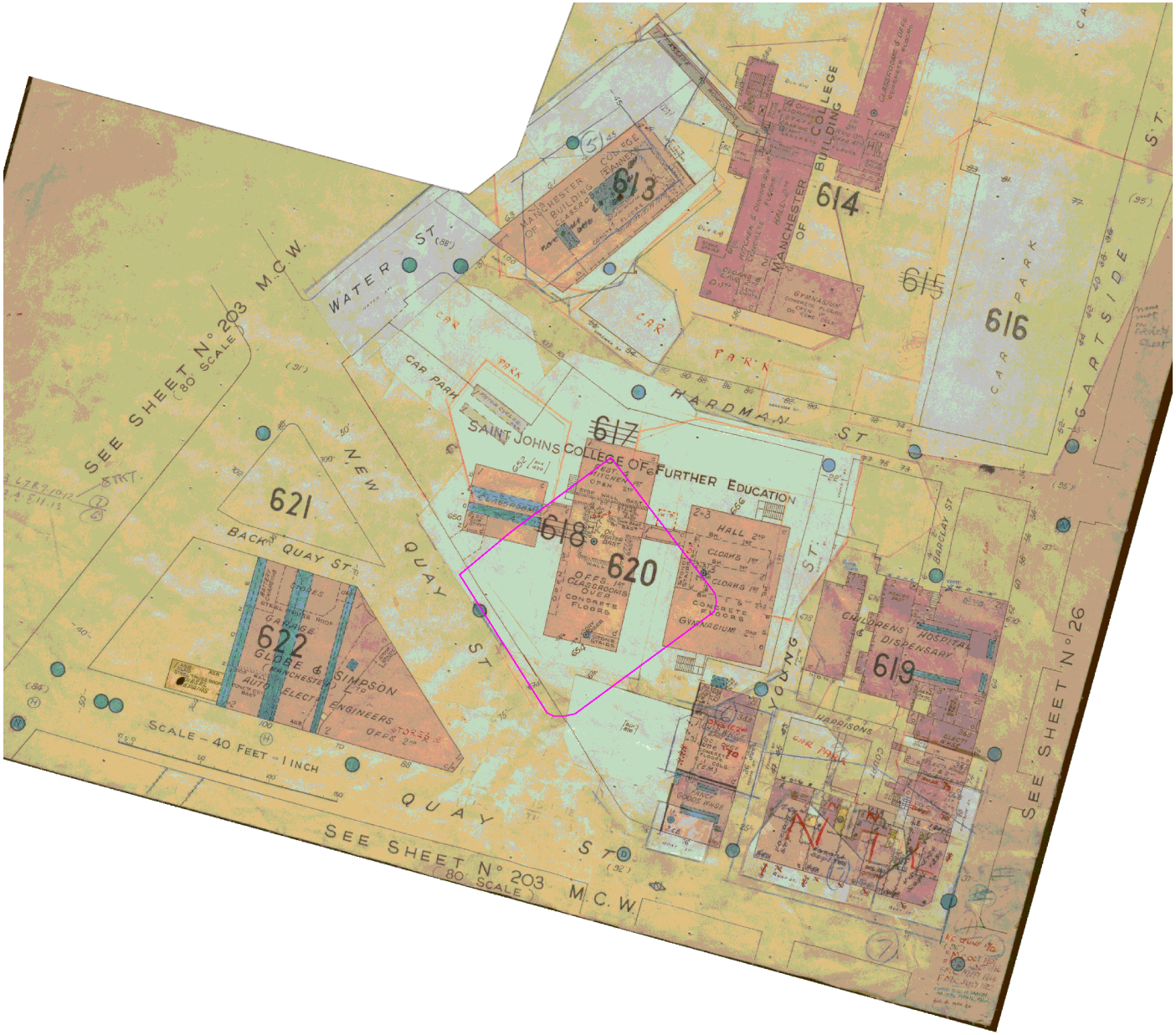
0 50m



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Appendix C Qualitative Risk Assessment Rationale

The site-specific risk assessment, presented in this report, follows the principle of establishing whether there is a viable linkage between a contaminant source to a potential receptor, via an exposure pathway.

The risk assessment corresponds with the total site area and incorporates both descriptive (qualitative) and, where available, numerical (quantitative) lines of evidence.

Risk assessment is the process of collating known information on a hazard or set of hazards to estimate actual or potential risk to receptors. The receptor may be humans, a water resource, a sensitive local ecosystem or future construction materials. Receptors can be connected to the source by one or several exposure pathways such as direct contact for example. Risks are generally managed by isolating the receptor or intercepting the exposure pathway or by isolating or removing the hazard.

Without the three essential components of a source, pathway and receptor there can be no risk. Therefore, the presence of contaminant source on a site does not necessarily mean there is a risk.

The risk assessment considers the likelihood of an event taking place (accounting for the presence of the source and receptor and the viability of the exposure pathway) in conjunction with the severity of the potential consequence (accounting for the potential severity of the hazard and the sensitivity of the receptor).

In the risk assessment, the consequence of the hazard has been classified as severe or medium or mild or minor and the probability (likelihood) of the circumstances occurring classified as high likelihood or likely or low likelihood or unlikely.

The consequences and probabilities are subsequently cross-correlated to give a qualitative estimation of the risk using Department of the Environment risk classifications as detailed in the table below and as referenced in CIRIA C552.

		Consequence			
		Severe	**Medium**	**Mild**	**Minor**
Probability (Likelihood)	**High Likelihood**	Very High Risk	High Risk	Moderate Risk	Moderate/Low Risk
	Likely	High Risk	Moderate Risk	Moderate/Low Risk	Low Risk
	Low Likelihood	Moderate Risk	Moderate/Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate/Low Risk	Low Risk	Very Low Risk	Very Low Risk

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In accordance with DoE guidance, the following categorisation of **consequence** has been developed.

Classification	Definition	Examples
Severe	Short-term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to an ecosystem or organisation forming part of such ecosystem.	High concentrations of cyanide on the surface of an informal recreation area. Major spillage of contaminants from site into controlled water. Explosion, causing building collapse (can also equate to a short-term human health risk if buildings are occupied).
Medium	Chronic damage to Human Health. Pollution of sensitive water resources. A significant change in an ecosystem or organism forming part of such ecosystem.	Concentration of a contaminant from site exceeds the generic or site-specific assessment criteria. Leaching of contaminants from a site to a Principal or Secondary A aquifer. Death of a species within a designated nature reserve. Lesser toxic and asphyxiate effects
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services. Damage to sensitive buildings/structures/services or the environment.	Pollution of non-classified groundwater (inc. Secondary B aquifers). Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
Minor	Harm, although not necessarily significant harm, which may result in a financial loss or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc). Easily repairable effects of damage to buildings, structures and services.	The presence of contaminants at such concentrations that protective equipment is required during site works. The loss of plants in a landscaping scheme. Discoloration of concrete.

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In accordance with DoE guidance, the following categorisation of **probability** has been developed.

Classification	Definition
High Likelihood	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution.
Likely	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the shorter term.
Unlikely	There is a pollution linkage, but circumstances are such that it is improbable that an event would occur even in the very long term.

In accordance with DoE guidance, the following categorisation of **risk** has been developed.

Classification	Definition
Very High Risk	There is a *high probability* that *severe harm* could arise to a designated receptor from an identified hazard at the site without appropriate further action.
High Risk	*Harm* is *likely to arise* to a designated receptor from an identified hazard at the site without appropriate further action.
Moderate Risk	*It is possible* that without appropriate further action *harm could arise* to a designated receptor. It is relatively *unlikely* that any such harm would be *severe,* and if any harm were to occur it is *more likely* that such harm would be *relatively mild.*
Low Risk	*It is possible* that *harm could arise* to a designated receptor from an identified hazard. It is *likely* that, at worst, if any harm was realised any effects would be *mild.*
Very Low Risk	The presence of an identified hazard does not give rise to the potential to cause harm to a designated receptor.

The term 'risk' in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. It does not refer to immediate risk to individuals or features present on the site from potential contaminants and is intended to be used as a tool to assess the necessity of further investigation.

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"HAZARD REGISTER (RELATES TO CIVIL/STRUCTURAL MATTERS ONLY)
MUST BE READ IN CONJUNCTION WITH CURTINS DESIGNERS HAZARD REGISTER XXXXXX-CUR-XX-XX-HA-X-10001.
HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING. SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED, THE CONTRACTOR SHOULD NOTIFY ALL RELEVANT PROJECT TEAM MEMBERS."

ZZ-XX_HAZARD REGISTER-MASTER

HAZARD REF No.	ITEM (FEATURE, ELEMENT OR ACTIVITY)	POTENTIAL HAZARD IDENTIFIED	ACTION
1.01	New College Street is currently a one way street, with both New College Street and New Gartside street currently under private ownership	Lack of access/ poor access for construction.	None
2.01	Flood risk	Flood risk affecting permanent & temporary structure	Curtins to conduct Desktop study.
2.02	Allowable Bearing Capacity	Risk is the sandstone is at a lower level or that the expected ABP cannnot be achieved.	SI pending.
2.03	Redline Boundary	The details for the basement wall adjacent to the NCP carpark are based on the location of the current site fencing which is closer to the NCP than the current scaled redline boundary.	Confirmation of the redline boundary is required.
3.01	Existing Buried services	Severing live services	Reduce: Provide site constraints drawing with surveyed services mapped. Enabling works to divert services.
4.01	Demolition of existing building: Unsafe building collapse / site collapse (of those intended to be removed) during demoltion due to unstable existing or excessive demolition practices.	Danger caused by existing building frame construction.	Demolition contractor to perform Pre-demolition audit / surveys / to inform demolition contractor works. Demolition contractor to make Method Statement for proposed demolition works for review / submission to the CDM principal designer.
4.02	Demolition Plant	Collapse of demolition plant due to ground conditions/ adjacent levels.	Pre-demolition Site Investigation. Demolition Specification with relevant drawings. Demo contractor to review SI.
4.03	Obstructions / Previous Structure	As a brownfield site there is a risk for residual foundations	Pre-demolition Site Investigation. GPR survey to highlight locations of existing foundations.
4.04	Existing Buildings- Shared structure at Party walls.	Collapse of structures due to overloading/ demo of structure / Undermining existing foundations to-remain E.g: -NCP car park basement / foundations -Settlement from new retaining wall construction to NCP car park basement/foundation structure.	Contractor to undertake full soft strip of buildings / site prior to demolition commencing to ensure they fully understand the structural arrangement of each building. It is likely that temporary and semi-permanent shoring/propping will be required to ensure stability of retained buildings outside of the site until new permanent structure is completed. Contractor to develop methodology for safe decoupling and demolition of the buildings.Contractor to design temporary works to enable safe demolition of to-be demolished features without affecting stability of existing to-remain features. Demo contractor to carry out slope stability (or appoint a competant consultant) to review slope stability risks / temporary works requirements under the proposed demolition methods/ Plant.
4.05	Excavating next to existing building.	Undermining / compromising existing building foundations.	Foundation Design / Drawing note
4.06	Asbestos in existing to-be demolished building.	Risk to demolition site operatives.	Pre-Demo SI and Pre-demo Desktop study (Phase I SI).
4.07	Vibration and Noise generated during demolition phase.	Annoyance or potential damage caused by vibration/ noise	Demolition contractor and Client to agree monitoring regime and permitted limits. Prevenative measures designed if needed.
4.08	Insufficient Extent / degree of demolition	Future clashes caused by insufficient foundation removal. Potential Damage/ costs / safety risks caused by demolition beyond antispated cut-off points.	For contentous cut-off lines, demo contractor to raise RFI for Architect / Structural engineer to clarify suitable cut-off points and measures to avoid inadvertant damage (see 4.01
4.065	Asbestos in Existing Made Ground.	Risk to site operatives or future construction / groundworkers from asbestos materials remaining on site following Demo works.	Pre-Demo SI and Pre-demo Desktop study (Phase I SI). Contractor / Groundworks Contractor to set up Asbestos protocols.
5.01	UXO threat	Explosion during excavation.	SI pending.
5.02	Chemically Contaminated Ground	Risk of contaminated ground due to site's previous developments and historical use such as presence of electrical sub-station on Western boundary and former oil tank in Northern area of site.	Site investigation to be understaken to determine if any contaminents are present and advise on any precautionary measures required
5.03	Ground gases & Radon	Risk to demolition site operatives or future construction / groundworkers	Pre-Demo SI and Pre-demo Desktop study (Phase I SI).
5.04	High groundwater	Pile Uplift, Basement slab uplift. Dewatering during construction.	SI pending.
5.05	Stability of Made Ground	Made ground present on site which may be weak / loose and susceptible to loss of equilibrium or large movements during excavation. Slope stability failure	Warning Note to provide shoring/ propping to all excavations.
5.06	Temporary propping of piled RT wall.	Instability of piled wall during construction	Temporary propping required to contiguous pile wall until basement slab has reached design strength. Refer to piling contractor's calculations for extent of wall which requires propping.
6.01	Lateral Stability of core.	Instability of core during construction.	Check on core in temporary condition during construction works required
6.02	Stability of core due to tower crane loading in temporary condition.	Local buckling of core walls.	Contractor to develop methodology for erection and operation of tower crane. Contractor to responsible for temporary works design.
6.03	Adequate tying of core during construction.	Insufficient tying capacity of precast landings and connections into core.	Contractor to develop methodology for erection and operation of tower crane. Contractor to responsible for temporary works design.
6.04	Stability of feature steel truss in tempoary condition	Local buckling of steel truss members.	Engagement with Steelwork Fabricator required to look at the fabrication and installation of the feature truss.
7.01	Damage to adjacent building & harm to adjacent public realm from craneage on tight site.	Crane slight swinging towards existing building in wind	Main contractor to set up crane zone to avoid slewings near boundary of site. Obay wind speed limits for specific crane.
7.02	Temporary stability of concrete core during forming.	Temporary stability of concrete core during forming.	Lateral propping required. Design to core temporary works contractor design.
7.03	Temporary stability of concrete core during stair installation, prior to permanent office floor slab constructon	Insufficient tying capacity between stairs/ landings and insitu walls.	Precast stair designer to design connections that include tensile capacity (in addition to the vertical loads).
7.04	Temporary stability of hung level 1 floor	Insufficient tying capacity in hanging columns and transfer structures	Temporary works designer to ensure adequate methodlogy and tying capacity
8.01	Vehicle Impact to Primary perimeter columns	Building Collapse if building can't resist the force/ damage.	If not feasible columns would need to be designed for onerous vehicle impact load.
9.01			
10.01	Future demolition of new building.	Design/ construction causing problems in future demolition phase	Provide drawings in O&M manual.
10.02			
11.01			

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING 11383-CUR-ZZ-ZZ-DR-S-0100

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Drg Title:
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Scale:

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