1667.13
Great Places Housing Group

63-65 Upper Chorlton Road, Whalley Range, M16 7RQ
Outline Drainage Strategy

November 2023

Bradshaw Gass & Hope LLP, 21 Silverwell Street, Bolton, BL1 1PR t:01204 525321 e: email@bghbolton.co.uk

Report Details:

Prepared By: Q. Nasir
Checked By: BGH

Revisions:	Initial Issue	24/11/2023

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1.0 Introduction

Bradshaw Gass & Hope LLP have produced this outline drainage strategy in support of the below ground drainage design for the proposed redevelopment at 63 – 65 Upper Chorlton Road, Whalley Range, M16 7RQ.

This report has been produced by Qamar Nasir who has over 5 years' experience in Civil and Structural engineering, and has qualifications including: MSc Civil Engineering (2021) and has been checked by Brendan Howarth who has over 20 years of experience in the given field.

This report will demonstrate that the surface water run-off rate and volume for the post development site is managed so it adheres to current regulations, and local authority requirements, and has been prepared to the requirements of the:

- National Planning Policy Framework (NPPF) 2019;
- National Planning Practice Guidance (NPPG);
- Principles of Sustainable drainage systems (SuDS) set out by DEFRA (2011);
- Ciria SuDS Manual C753 (2015);
- Non-Statutory Technical Standards for Sustainable Drainage Systems (March 2015);
-

Manchester City Council will need to be satisfied that the design and drainage principles of the proposed redevelopment will address the risk of flooding to the development site; will ensure that the drainage is maintained to prevent flooding; and in turn not to increase the risk of flooding to neighbouring land and property.

2. Site Setting and Description

2.1 GENERAL DESCRIPTION:

The site is accessed via the B5218 on Upper Chorlton Road and features residential apartments. The properties in the immediate surrounding area are predominantly residential dwellings. The neighbouring property to the north is a nursery and the property to the south is split into a number of apartments. There is a Tesco Express to the north-west on the opposite side of Upper Chorlton Road.

2.2 ADDRESS:

63-65 Upper Chorlton Road, Whalley Range, Manchester, M16 7RQ

2.3 OS MAPS:

OS Grid Ref: SJ 82754 95583
Indicates site altitude as 30m.

2.4 FLOOD ZONE MAP INFORMATION

The site is located within flood zone 1, as such it has a low probability of flooding.

2.5 GROUND CONDITIONS

A preliminary risk assessment Phase 1 investigation report was produced by LK Group in July 2023 (See Appendix E).

The Phase 1 information indicates silt across the site. A soakaway cannot be placed within silt due to its lower permeability when compared to sand or gravel. As such, the current drainage strategy is based on an offline attenuation system.

2.6 WATERBODIES / RIVERS / CANALS

Centre of the Site is approx. 1.37km from the Bridgewater Canal.
Centre of the Site is approx. 1.56km from the Salford Quays.
Centre of the Site is approx. 7.17km to the Gorton Reservoir.

2.7 ON-SITE DRAINAGE / PUBLIC SEWERS

The United Utilities asset plan (Appendix C) shows no assets within close proximity to the site.

The topographic survey shows an existing combined foul & surface water drain which comes in from the rear of the site and is the existing destination for foul and surface water.

2.8 DEVELOPMENT AREAS

The surface water run-off from the existing car park and building areas of the pre-development site discharges to a below ground drainage network (and into the sewer), and equates to approximately 1167.1m² / 0.12ha.

The surface water run-off from the new building and hard-standing areas of the post development site will also discharge to a below ground drainage network (and into the sewer).

The surface water drainage strategy has been designed based on the area of the site (1167.1m² / 0.12ha) being split into two, meaning the drainage has been designed for half of the site area (583.6 m² / 0.06ha) as there will be 2 x attenuation tanks on both sides of the site.

3. Surface Water Management Principles

The surface water for the development site is to be managed so that it adheres to the current national regulations and local authority requirements.

3.1 RUN-OFF DESTINATION

Surface water run-off is to discharge to one or more of the following in the order of priority shown: Discharge into the ground (infiltration); Discharge to a surface water body; Discharge to a surface water sewer, highway drain or other drain; Discharge to combined sewer.

3.2 THE MANAGEMENT TRAIN

A concept fundamental to implementing a successful SuDS scheme is the management train. This is a sequence of SuDS components that serve to reduce run-off rates and volumes and reduce pollution. The hierarchy of techniques that are to be used for the surface water management of the development are: Prevention - Prevention of run-off by good site design and reduction of impermeable areas; Source Control - Dealing with water where and when it falls (e.g. infiltration techniques); Site Control - Management of water in the local area (e.g. swales, detention basins); Regional Control - Management of run-off from sites (e.g. balancing ponds, wetlands).

3.3 DESIGN PRINCIPLES

The design principles for the surface water management of the development will be to: Ensure that people, property and critical infrastructure are protected from flooding; Ensure that the development does not increase flood risk off site; Ensure that SuDS can be economically maintained for the development.

3.4 PEAK SURFACE WATER FLOW

To adhere to national and local guidance / policies, the peak surface water run-off from the post development site is to be reduced to as low as possible, with the aim to reduce the rates to the equivalent greenfield rates.

3.5 FLOOD RISK

The drainage system will be designed so that, unless an area is designed to hold and/or convey water, flooding does not occur on any part of the site for a 1 in 30-year rainfall event.

The drainage system will also be designed so that, unless an area is designed to hold and/or convey water, flooding does not occur during a 1 in 100-year rainfall event in any part of a building (including a basement) or in any utility plant susceptible to water (e.g. pumping station or electricity substation) within the development. The design of the site will ensure that flows resulting from rainfall more than a 1 in 100-year rainfall event are managed in exceedance routes that avoid risk to people and property both on and off site.

4. Surface Water Run-Off Destination

The destination of the surface water run-off from the post development site has been assessed against the prioritisation set by the Approved Document H (2010). The feasibility of the surface water run-off to the priority receptors are as follows:

Run-Off Destination	Feasible	Description
Discharge to Ground	No	On-site ground investigation found the ground to consist of 0.2-1.4m of Made Ground, over predominantly cohesive natural deposits of CLAY, to depths in excess of 15.05mbg. Based on the on-site investigation, and as the ground predominantly consists of clay (which is known to have very low, or no infiltration value), discharge of surface water to ground is not feasible.
Discharge to Surface Water Body	No	There are no know waterbodies directly adjacent to the development site, with the nearest water body being the German Brook approximately 500m to the north. Therefore, the discharge to a surface waterbody is not feasible.
Discharge to Surface Water Sewer	Yes	As the surface water cannot discharge to ground to due inadequate conditions, and there are no known water bodies near the site, the only alternative is to discharge the surface water to a surface water sewer. Due to topography of the site (falling south west to north west) it is proposed to discharge the surface water drainage to the current surface water destination being the deep drain crossing the site
Discharge to Highway Drain or Other	No	There is no requirement to discharge the surface water to a higher or other drain, as it will discharge to a surface water sewer.
Discharge to Combined Water Sewer	No	There is no requirement to discharge the surface water to a combined water sewer, as it will discharge to a surface water sewer.

5. Below Ground Network Design Principles

5.1 CLIMATE CHANGE:

The NPPF makes it a planning requirement to account for climate change in the proposed design. The recommended allowances are taken from the Environment Agency guidance (Table 2) summarised in Table 4 below.

Applies across all of England	Total change anticipated for the 2020's	Total change anticipated for the 2050's	Total change anticipated for the 2080's
Upper End	10%	20%	**40%**
Central	5%	10%	20%

The baseline year is 1961 to 1990. It is anticipated the life span of the proposed building will be approximately 80 years, and therefore will fall at least into the 2080's and will have rainfall intensity increase of **40%**.

5.2 SURFACE WATER DRAINAGE NETWORK AND MANAGEMENT

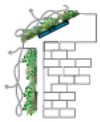
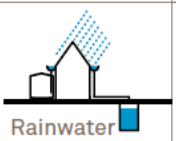
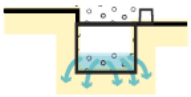
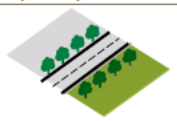
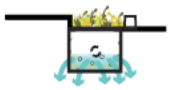
As shown on the below ground drainage layout drawing in Appendix E, the proposed surface water network will consist of 150mm diameter pipes and 1200mm diameter manholes; a flow control chamber containing an orifice plate; channel drains and gullies; 2 x below ground attenuation tank in the form of cellular units.

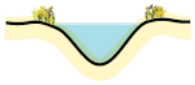
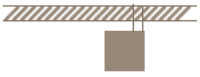
The surface water run-off from the roof areas will discharge to the main network via rainwater pipes; the surface water run-off from vehicle yard and footpaths around the perimeter will discharge to the main network via channel drains; and the surface water run-off from the footpath to the south of the site will discharge to the main drainage via a filter drain / perforated pipe system.

The surface water network will flow from the front to the rear of the site, where it will pass through the flow control, prior to connection / discharge to the surface water sewer system. The restricted water will back flow and fill the network and attenuation tank, where the water will be stored during the storm event to prevent flooding.

6. SuDS Feasibility

To reduce the surface water run-off to the greenfield rate, SuDS methods are to be introduced to the post development design.
SuDS methods as per the Sustainable Drainage System (SuDS) hierarchy, and the Non-Statutory Technical Standards for Sustainable Drainage Systems – March 2015, that can be used are detailed below:

	Description	Setting	Required area
 Green roofs	A planted soil layer is constructed on the roof of a building to create a living surface. Water is stored in the soil layer and absorbed by vegetation.	 Building	Building integrated.
 Rainwater harvesting	Rainwater is collected from the roof of a building or from other paved surfaces and stored in an overground or underground tank for treatment and reuse locally. Water could be used for toilet flushing and irrigation.	 Building	Water storage (underground or above ground).
 Soakaway	A soakaway is designed to allow water to quickly soak into permeable layers of soil. Constructed like a dry well, an underground pit is dug filled with gravel or rubble. Water can be piped to a soakaway where it will be stored and allowed to gradually seep into the ground.	 Open space	Dependant on runoff volumes and soils.
 Filter Strip	Filter strips are grassed or planted areas that runoff is allowed to run across to promote infiltration and cleansing.	 Open space	Minimum length 5 metres.
Permeable paving	Paving which allows water to soak through. Can be in the form of paving blocks with gaps between solid blocks or porous paving where water filters through the block itself. Water can be stored in the sub-base beneath or allowed to infiltrate into ground below.	 Street/open space	Can typically drain double its area.
 Bioretention area	A vegetated area with gravel and sand layers below designed to channel, filter and cleanse water vertically. Water can infiltrate into the ground below or drain to a perforated pipe and be conveyed elsewhere. Bioretention systems can be integrated with tree-pits or gardens.	 Street/open space	Typically surface area is 5-10% of drained area with storage below.

	Description	Setting	Required area
 Swale	Swales are vegetated shallow depressions designed to convey and filter water. These can be 'wet' where water gathers above the surface, or 'dry' where water gathers in a gravel layer beneath. Can be lined or unlined to allow infiltration.	 Street/open space	Account for width to allow safe maintenancce typically 2-3 metres wide.
 Hardscape storage	Hardscape water features can be used to store run-off above ground within a constructed container. Storage features can be integrated into public realm areas with a more urban character.	 Open space	Could be above or below ground and sized to storage need.
 Pond / Basin	Ponds can be used to store and treat water. 'Wet' ponds have a constant body of water and run-off is additional, while 'dry' ponds are empty during periods without rainfall. Ponds can be designed to allow infiltration into the ground or to store water for a period of time before discharge.	 Open space	Dependant on runoff volumes and soils.
 Wetland	Wetlands are shallow vegetated water bodies with a varying water level. Specially selected plant species are used to filter water. Water flows horizontally and is gradually treated before being discharged. Wetlands can be integrated with a natural or hardscape environment.	 Open space	Typically 5-15% of drainage area to provide good treatment.
 Underground storage	Water can be stored in tanks, gravel or plastic crates beneath the ground to provide attenuation.	 Open space	Dependant on runoff volumes and soils.

The feasibility of the above SuDS methods for the post developed site are summarised in the table overleaf:

SuDS Method	Feasible Use	Description
Green Roofs	No	The new training centre building is pitched and has not been structurally designed for the wight of green / living roofs, and therefore it is not a feasible SuDS method.
Rainwater Harvesting	**Potential**	Rainwater harvesting for water re-use has not been considered for the development due to the cost of a dual pipe network. However, water butts or rainwater harvesting tanks could potentially be installed at several rainwater pipes and re-used for irrigation, or for training purposes.
Soakaway	No	As stated in Section 4, on-site ground investigation found the ground to consist of 0.2-1.4m of Made Ground, over predominantly cohesive natural deposits of CLAY, to depths in excess of 15.05mbg. Clay is known to have very low, or no infiltration value. Therefore, the use of soakaways is not feasible.
Filter Strips	**Yes**	Filter strips can be built within the soft landscaping area to the south of the site, where the surface water run-off from the footpath area will discharge to the filter rain, and will be conveyed via a perforated pipe to the main drainage network.
Permeable Paving	**Potential**	There is potential to have permeable paving for the footpath areas around hew perimeter of the new building. The surface water from the footpaths will not discharge to ground, but could also be conveyed to the main drainage network via a perforated pipe in the permeable paving system. It is not feasible to have permeable paving in the vehicle yard, due to the anticipated weight and size of the vehicles, which are likely to damage the paving.
Swale	No	There are limited soft landscaped areas within the development site, with the area to the south being higher than the building level. Therefore, the use of swales is not a feasible SuDS method.
Pond / Basin	No	There are limited soft landscaped areas within the development site, with the area to the south being higher than the building level. Therefore, the use of ponds / basins are not a feasible SuDS method.

Underground Storage	**Yes**	The surface water run-off from the development site will be restricted. The restricted rate will be lower than the surface water run-off rate, therefore there will be a requirement to have underground storage to prevent flooding in the form of cellular units.

7. Water Quality / Pollutants

The source of any potential pollutants will be from the surface water run-off from the building roof, footpath, and vehicle yard areas.

The pollutants from the roof and footpath areas are deemed to be low with no pollutant control requirements.

8. Foul Water Drainage Design

The foul water drainage network will be designed to achieve a self-cleansing flow of no less than 0.75 m/s up to the connection into the local United Utilities asset.

The total foul water discharge rate will be calculated in-line with Sewers for Adoption guidance domestic flows calculated in accordance with BS EN 752 and BS EN 12056-2.

The foul water flow rate is to be agreed with United Utilities and is subject to approval.
A predevelopment enquiry will be submitted to United Utilities.

9. Operation and Maintenance

The extent of the drainage network and SuDS features for the development site are shown on the below ground drainage layout drawings in Appendix D.

Details of the maintenance required, and the parties to carry out the maintenance of all drainage aspects, to ensure that the SuDS methods are working affectively, and subsequently reducing the risk of flooding on the site are as follows:

The management and maintenance of the surface water drainage networks and SuDS features will be by the estate's management team of the existing training centre area. The required maintenance and management of the drainage and SuDS will be as follows:

9.1 Surface Water Drainage Network

Operation	Frequency
Inspect and identify any areas that are not operating correctly, if required, take remedial actions	Monthly for 3 months, then six monthlies
Debris removal from manholes (where may cause risk performance)	Monthly
Where rainfall into network from above, check surface or filter for blockage or silt, algae, or other matter by jetting	As required, but at least twice a year
Remove sediment from pipework by jetting.	Annually or as required
Repair/check all inlets, outlets, and overflow pipes	As required
Inspect/check all inlets, outlets, and overflow pipes to ensure that they are in good condition and operating as designed	Annually and after large storms

9.2 Cellular Units and Flow Control

Operation	Frequency
Inspect and identify any areas that are not operating correctly, if required, take remedial actions	Monthly for 3 months, then six monthlies
Debris removal from tank and flow control chamber (where may cause risk performance)	Monthly
Where rainfall into tank and flow control manhole from above, check surface or filter for blockage or silt, algae, or other matter by jetting	As required, but at least twice a year
Remove sediment from upstream surface water network by jetting.	Annually or as required
Repair/check all inlets, outlets, and overflow pipes	As required
Inspect/check all inlets, outlets, and overflow pipes to ensure condition and operating as designed	Annually and after large storms

9.3 PERMEABLE PAVING AND FILTER DRAINS

Operation	Frequency
Inspect and identify any areas that are not operating correctly, if required, take remedial actions	Monthly for 3 months, then six monthlies
Debris removal from catchment surface for areas discharging to permeable and filter drains (where may cause risk performance)	Monthly
Where rainfall infiltration into permeable paving and filter drains, check surface for blockage or silt, algae, or other matter by jetting	As required, but at least twice a year

9.4 LINKED AND FURTHER MAINTENANCE ACTIVITIES

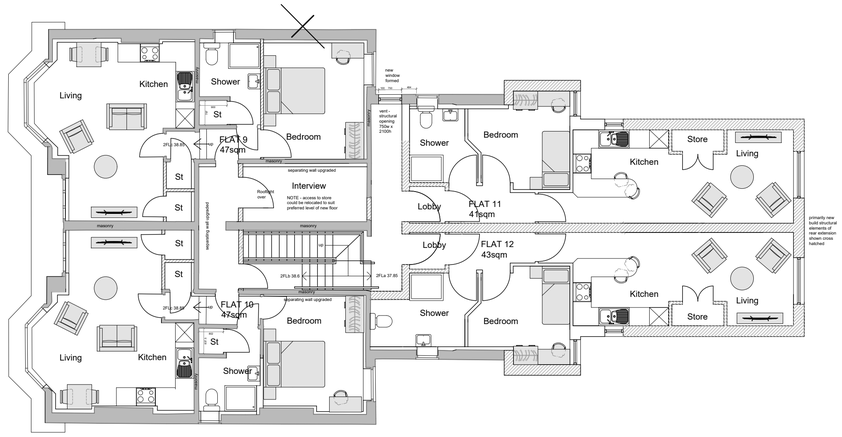
The maintenance of the drainage network and SuDS features are to be linked with the wider site maintenance for the new residential landscaped / garden areas. A log of all maintenance activities is to be kept and made available to the local planning authority (LPA) and / or the Lead Local Flood Authority (LLFA) on request.

10. Overland Flows

There is a potential for rainfall and storm water from uphill areas off site flowing down and through the site. Therefore to prevent such flows from flooding the building it is recommended external works feature are used to deflect overland flows around the proposed building.

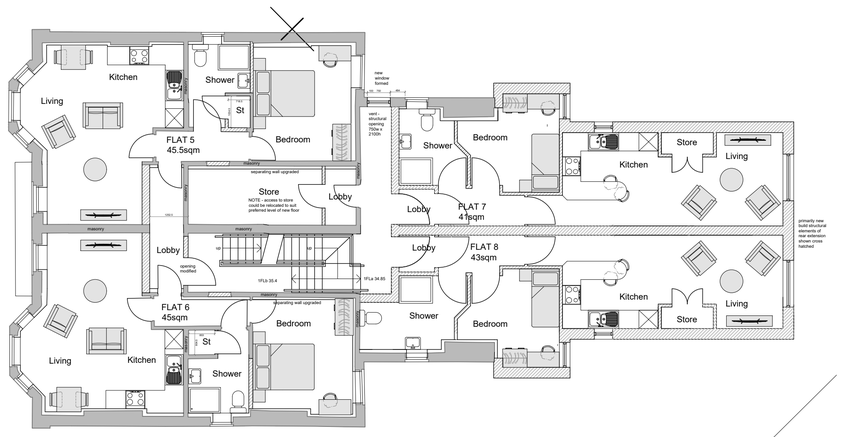
These features will be confirmed during the detailed design stage.

Appendix A – Proposed Site Plan



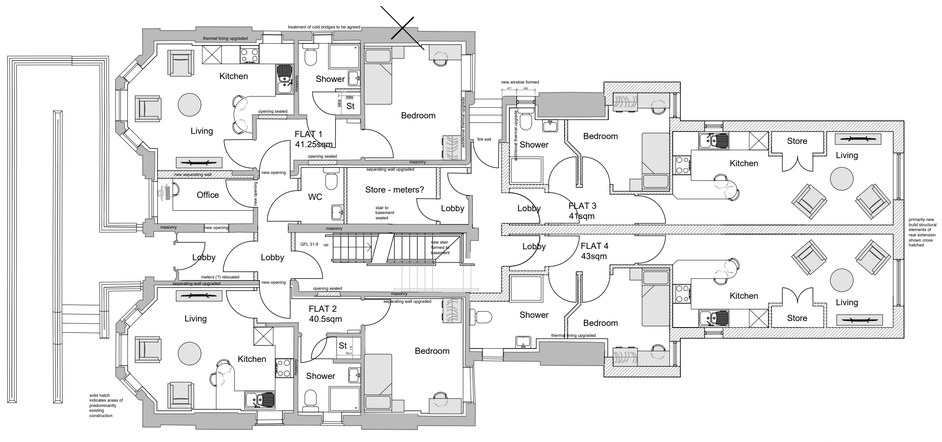
PROPOSED SECOND FLOOR LAYOUT

03 **Proposed Second Floor Plan**
02 Scale 1:100 @ A1



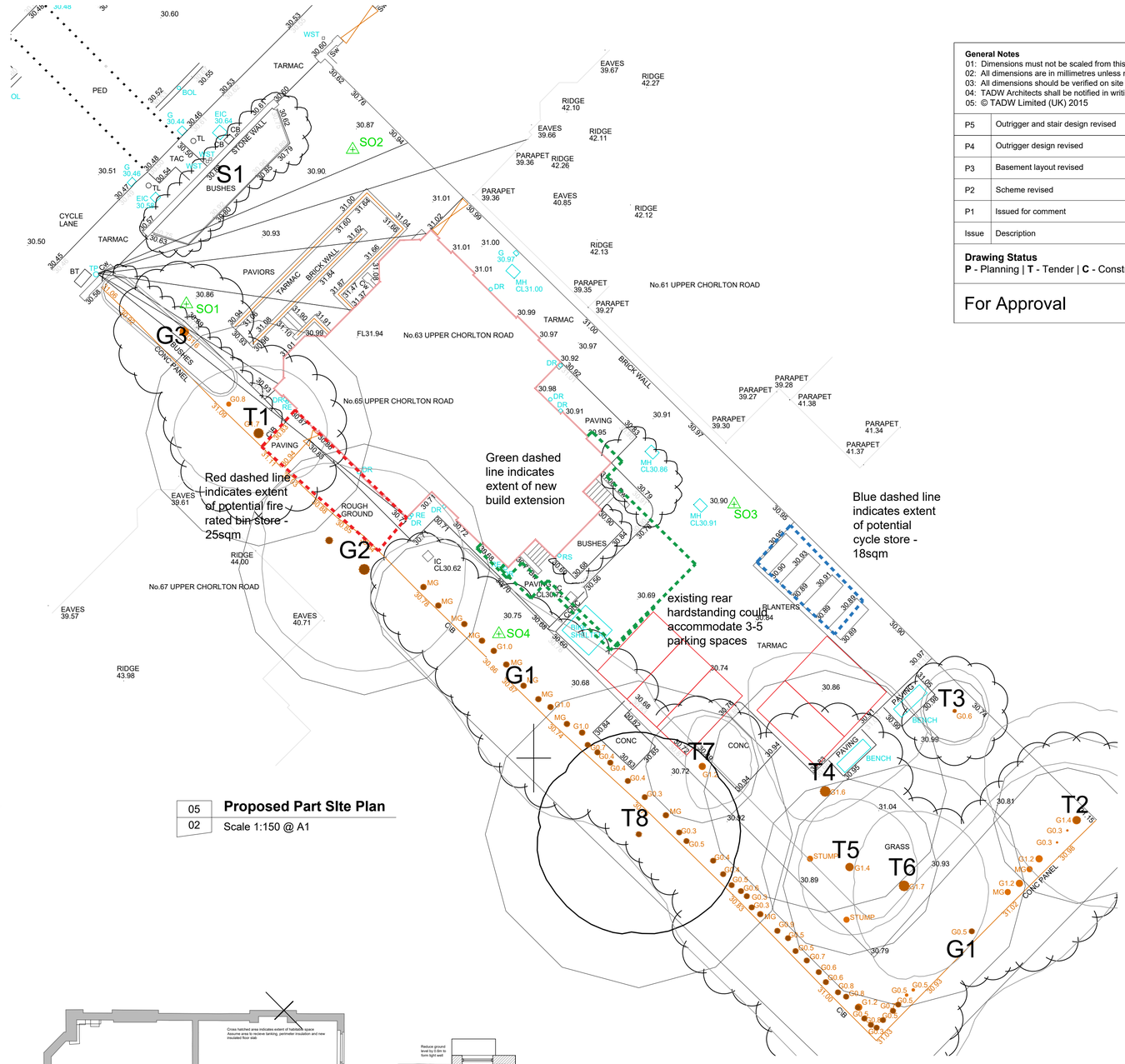
PROPOSED FIRST FLOOR LAYOUT

02 **Proposed First Floor Plan**
02 Scale 1:100 @ A1



PROPOSED GROUND FLOOR LAYOUT

01 **Proposed Ground Floor Plan**
02 Scale 1:100 @ A1



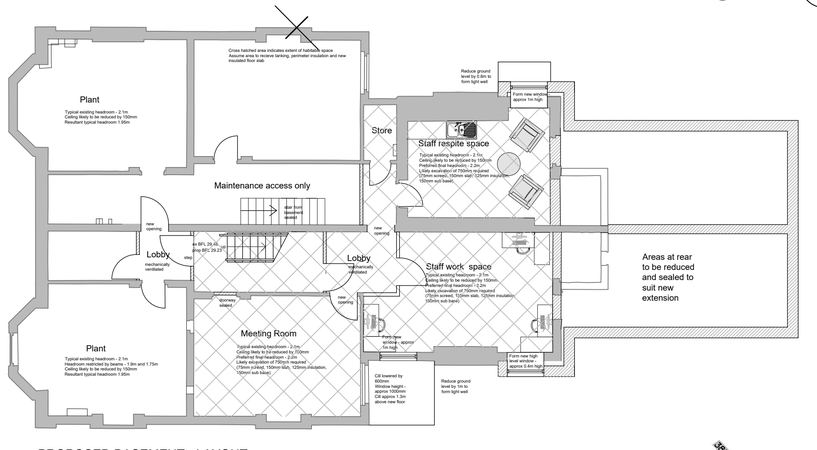
05 **Proposed Part SIte Plan**
02 Scale 1:150 @ A1

General Notes
01: Dimensions must not be scaled from this drawing. If in doubt, please ask.
02: All dimensions are in millimetres unless noted otherwise.
03: All dimensions should be verified on site before proceeding with the work.
04: TADW Architects shall be notified in writing of any discrepancies.
05: © TADW Limited (UK) 2015

Issue	Description	Date	Drawn	Checked
P5	Outrigger and stair design revised	20.10.23	MH	BB
P4	Outrigger design revised	19.09.23	MH	BB
P3	Basement layout revised	2.08.23	MH	BB
P2	Scheme revised	27.07.23	MH	BB
P1	Issued for comment	20.07.23	MH	BB

Drawing Status
P - Planning | **T** - Tender | **C** - Construction | **R** - As Record

For Approval



PROPOSED BASEMENT - LAYOUT

04 **Proposed Basement Plan**
02 Scale 1:100 @ A1

tadw architects

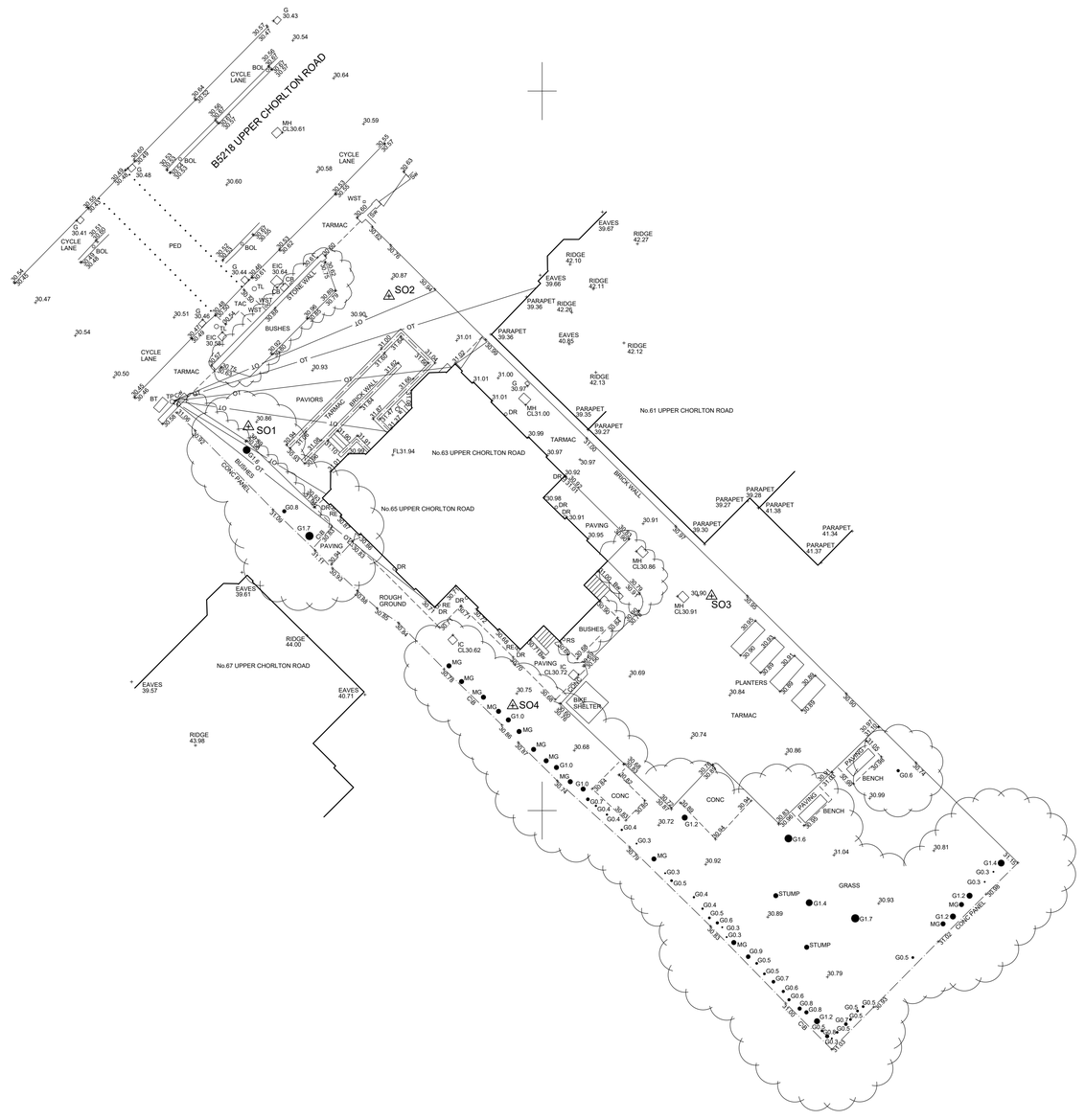
Six St. Petersgate Stockport Cheshire SK1 1HD
Ph 0161 477 6158 Fx 0161 480 8342 mail@tadw.co.uk www.tadw.co.uk

Client	Great Places Housing Group
Job	63-65 Upper Chorlton Road Whalley Range
Title	Proposed Floor Plans
Scale	1:100 @ A1

Note - Prints from PDF files may not be to scale, check accuracy against scale
5 10m
1:100

Job Number	Drawing Number	Issue
231332	02	P5

Appendix B – Topographical Survey Plan



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Note:

The survey is plotted on a plane local Grid. Orientation to National Grid. All levels relate to Ordnance Datum, achieved using the OS National GPS Network.

Survey Control Markers established for Mapping purposes only and should not be used for Construction without the written approval of Survey Operations Ltd.

SURVEY STATIONS

Name	Easting	Northing	Height
SO1	382779.59	395626.68	30.85
SO2	382789.36	395635.75	30.88
SO3	382811.78	395614.91	30.92
SO4	382797.96	395607.29	30.82

Survey Operations

Smith Street, Skelmersdale, Lancs. WN8 8LN
Tel: 01695 725662 Fax: 01695 51816
Email: mail@survops.co.uk – www.survops.co.uk

Client
GREAT PLACES HOUSING GROUP

Drawing Title
Topographical Survey of Land at:
63-65 Upper Chorlton Road
Manchester

Scale(s)	1:200	Surveyor	SI
Date	JUNE 23	Drawn	PM
Job Number	23E255	Checked	MF

Sheet Size & Drg Number & Revision
A1 23E255/001

Appendix C – United Utilities Asset Plans

United Utilities
Water for the North West

How to contact us:

United Utilities Water Limited
Property Searches
Haweswater House
Lingley Mere Business Park
Great Sankey
Warrington
WA5 3LP

Telephone: 0370 7510101

E-mail: propertysearches@uuplc.co.uk

Qamar Nasir

21
Silverwell street,
bolton, greater manchester
bl1 1pr

FAO:

Your Ref: 63-65 UPPER CHORLTON ROAD, WHALLEY RANGE, MANCHESTER, M16 7RQ
Our Ref: UUPS-ORD-523788
Date: 11/10/2023

Dear Sirs

Location: FLAT 1 63-65 UPPER CHORLTON ROAD, MANCHESTER, M16 7RQ

I acknowledge with thanks your request dated 09/10/2023 for information on the location of our services.

Please find enclosed plans showing the approximate position of United Utilities' apparatus known to be in the vicinity of this site.

The enclosed plans are being provided to you subject to the United Utilities terms and conditions for both the wastewater and water distribution plans which are shown attached.

If you are planning works anywhere in the North West, please read United Utilities' access statement before you start work to check how it will affect our network. http://www.unitedutilities.com/work-near-asset.aspx .

I trust the above meets with your requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please contact us .

Yours Faithfully,

Karen McCormack
Property Searches Manager

United Utilities Water Limited
Registered In England & Wales No. 2366678
Registered Office Haweswater House, Lingley Mere Business Park,
Lingley Green Avenue, Great Sankey, Warrington, WA5 3LP

Water for the North West

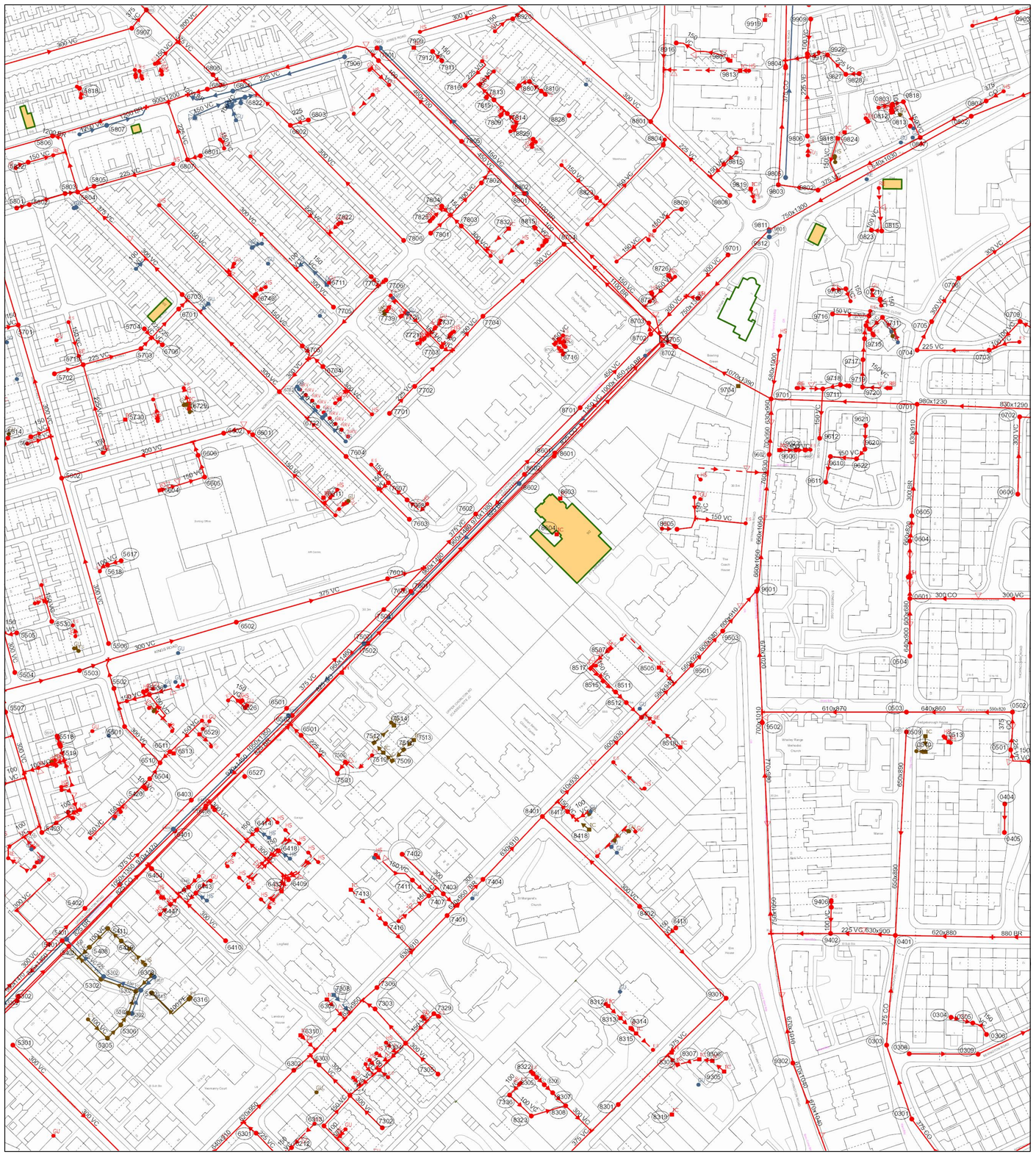
TERMS AND CONDITIONS - WASTEWATER AND WATER DISTRIBUTION PLANS

These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self construction of water mains) (UUWL apparatus) of United Utilities Water Limited "(UUWL)".

TERMS AND CONDITIONS:

- This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.
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- In particular, the position and depth of any UUWL apparatus shown on the Map are approximate only. UUWL strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UUWL apparatus. The exact location, positions and depths should be obtained by excavation trial holes.
- The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.
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- This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UUWL apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.
- No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UUWL apparatus by reason of the actual position and/or depths of UUWL apparatus being different from those shown on the Map and any information supplied with it.
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- This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UUWL from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.

United Utilities Water Limited
Registered In England & Wales No. 2366678
Registered Office Haweswater House, Lingley Mere Business Park,
Lingley Green Avenue, Great Sankey, Warrington, WA5 3LP



Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
8301	29.58	CO	26.13	375			VC	84.87806	1 in 447
6443		CO		150			VC	7.454442	
6408	29.97	CO	26.73	300			VC	5.121881	
7404	29.92	CO	26.01	630			BR	48.10405	
5302	29.63	CO	23.98	825			CO	149.5962	1 in 534
7605	30.01	SW	24.55	1050			CO	38.88301	1 in 30
6409	30.08	CO	27.14	300			VC	56.59497	1 in 138
6701	30.6	CO	27.6	225			VC	7.071068	
0303	30.45	CO	27.35	375			CO	61.20457	1 in 102
5806	30.61	CO	28.34	225			VC	9.436853	1 in 7
6704	30.73	CO	28.56	300			VC	10.23335	
7301	29.6	CO	27.02	300			VC	24.04163	1 in 100
9815		CO		150			VC	10.76684	
8807		CO		150			VC	6.435648	
5703	30.47	CO	28.13	225			VC	8.485281	
7603	30.38	CO	28.7	300			VC	49.49747	1 in 65
7607		CO		150			VC	16.76584	
7803	30.68	CO	28.7	300			VC	8.49484	
0401	30.42	CO	26.25	630			BR	58.02776	
0502	30.46	CO	26.75	590			BR	29	1 in 161
6504		CO	0	150			VC	10.55564	
0721		CO		150			VC	3.700517	
6602	30.46	CO	27.57	300			VC	93.40771	1 in 99
5618		CO		150			VC	5.902633	
7604	30.54	CO	27.94	300			VC	51.62376	1 in 516
7402	30.09	CO	27.22	300			VC	31.82766	1 in 60
0705	30.97	CO	28.76	300			VC	28.30194	1 in 109
5501	29.96	CO	27.15	300			VC	21.84033	1 in 273
8705	30.68	CO	0	825			VC	15.68818	
9708		CO		150			VC	7.112772	
5903	30.72	CO	26.53	375			VC	51.62835	1 in 258
9623		CO		150			VC	5.10066	
0604	30.68	CO	27.25	660			BR	7.071068	1 in 118
6402	29.95	CO	23.7	825			CO	275.236	1 in 519
8823		CO		150			VC	6.538731	
8806		CO		225			VC	1.793601	
7607	30.69	CO	29.07	300			VC	5	
5302		SW	0	150			VC	14.06562	
5429		FO		100			VC	10.19152	
6502	30.03	CO	24.41	970			BR	91.21951	1 in 9122
7401	29.85	CO	26.15	620			BR	18.38478	1 in 368
7606	30.66	CO	27.86	300			VC	89.80534	1 in 112
5503	30	CO	27.05	300			VC	17.08801	
0704	31.01	CO	28.7	300			VC	17.88854	
7707	30.69	CO	29.33	300			VC	6.403124	
7403	29.89	CO	26.65	300			VC	9.899456	1 in 20
8701	30.71	CO	25.84	450			VC	56.58622	1 in 354
9801	31.16	CO	25.58	750			BR	84.74227	1 in 32
7501	30.07	CO	28.34	225			VC	29	1 in 126
8702	30.78	CO	25.68	450			VC	6.082763	1 in 29
8402	30.02	CO	27.02	300			VC	70.03571	1 in 117
6502	30.1	CO	26.6	375			VC	87.36132	1 in 243
8801	30.63	SU	22.8	1100			BR	115.2606	1 in 1281
5302		FO	0	150			VC	12.68748	
9804	31.28	CO	26.75	375			VC	4	
7304	29.75	CO		225			VC	20.7329	
6403	30.01	CO	26.72	375			VC	73.5527	1 in 306
5306		FO		100			VC	7.963588	
8809		CO		150			VC	19.97639	
7814		CO		150			VC	10.55857	
9803	31.15	CO	26.85	375			VC	65.12296	1 in 651
6404	29.91	CO	25.44	300			VC	2.828427	
6418		CO	0	150			VC	7.953653	
7601	30.22	CO	26.24	375			VC	20.80661	
5803	30.69	CO	28.04	225			VC	7.071068	1 in 6
9503	30.36	CO	25.73	600			BR	15.6205	1 in 1
5302		FO	0	225			VC	30.41919	
9402	30.44	CO	0	225			VC	33	
7501	30.29	CO	26.18	375			VC	31.82766	
5801	30.54	CO	28.79	225			VC	7.28011	1 in 35
6801	30.65	CO	0	225			VC	7.28011	
9502	30.07	CO	25.64	700			VC	3	
5302		FO	0	150			VC	20.4305	
8802	30.63	SW	0	150			VC	114.5513	
7336		CO		100			VC	16.70122	
8307		CO		100			VC	10.16707	
9716		CO		150			VC	20.36785	
0501	30.54	CO	27.84	225			VC	10.98575	1 in 69
8601	30.5	CO	23.17	825			CO	86.00111	1 in 2867
9622		CO		150			VC	14.65036	
5401	29.75	CO	24.33	960			BR	48.20997	1 in 964
9620		CO		150			VC	6.964996	
7507	30.06	CO	23.26	825			BR	148.4952	1 in 675
8602	30.54	CO	24.64	970			BR	44.55334	1 in 1114
6807	30.63	CO	27.38	225			VC	33.83785	
5822		CO		150			VC	21.61968	
8322		CO		100			VC	3.177877	
5704	30.48	CO	28.13	225			VC	6.403124	
5411		FO		100			VC	14.60678	
0711		CO		150			VC	9.598588	
0605	30.71	CO	27.13	300			BR	31.06445	1 in 259
5806	30.61	CO	23.81	900			BR	93.02335	1 in 310
5807	30.62	SW	28.97	1200			BR	25.35275	
5505	29.99	CO	27.78	150			VC	7.280383	
8401	30.12	CO	26.03	610			BR	39.59798	1 in 660
6308		SW	0	150			VC	10.44929	
8829		CO		150			VC	2.17294	
8417		CO		150			VC	7.955523	
5506	29.97	CO	27.8	300			VC	95.60335	1 in 82
6212		CO		150			VC	8.819918	
6804	30.71	SW	29.13	225			VC	20.61553	
7906	30.62	SW	29.62	225			VC	64.84597	1 in 132
9706		CO		150			VC	5.475631	
9911	31.46	CO	29.69	225			VC	12.16553	
7309	29.68	CO	27.39	300			VC	24.75884	1 in 85
9406		CO		100			VC	14.71537	
0601	30.63	CO	27.44	560			BR	6	1 in 0
8725		CO		100			VC	2.634979	
9610		CO		150			VC	14.40728	
7411		CO		150			VC	12.56436	
5302		SW	0	225			VC	29.1321	
9607		CO		100			VC	2.949093	
9806	31.56	CO	0	225			VC	44	
5701	30.33	CO	26.21	300			VC	62.64184	1 in 285
5408		FO		150			VC	8.086034	
8605		CO		150			VC	41.7844	
7304	29.75	CO	27.07	300			VC	25.4951	1 in 77
9909	31.64	CO	30.43	100			VC	21.09502	1 in 37
0701	30.91	CO	25.18	980			BR	81.05553	1 in 540
5305		FO		100			VC	10.50762	
0709		CO		100			VC	20.30459	
8402	30.02	CO	27.03	300			VC	73.59348	1 in 121
5702	30.39	CO	28.97	225			VC	16.76305	
9501	30.28	CO	25.82	560			BR	13.45362	1 in 336
7505		CO		150			VC	7.801591	
0305		CO		150			VC	10.58031	
7306	29.69	CO	26.1	630			BR	55.86591	
0301		CO	0	375			CO	43.32436	
9808	31.02	CO	28.31	225			VC	60.1415	1 in 154
9602	30.44	CO	25.39	700			BR	16.03122	
7502	30.14	SW	23.24	1050			CO	58	
6510		CO		300			VC	28.01911	
7602	30.47	CO	26.07	450			VC	82.73451	1 in 360
0706	31.16	CO	28.5	300			VC	50.80254	1 in 242
7805	30.64	CO	24.67	460			BR	64.3506	1 in 150
5414		SW	0	150			VC	8.143964	
7704	30.56	CO	26.48	300			VC	60.20797	1 in 43
5502	29.94	CO	27.06	300			VC	16.76375	
6605		CO		150			VC	12.48505	
7601	30.32	CO	24.56	960			BR	95.48299	1 in 682
6449		CO		150			VC	7.315546	
5536		CO		150			VC	18.04456	
9601	30.52	CO	23.03	825			BR	43.86343	1 in 337
9718		CO		150			VC	10.13175	
5301	29.62	CO	27.28	300			VC	111.7229	1 in 196
6501	30.1	CO	28.09	225			VC	8.485281	1 in 3
7911		CO	0	150			VC	7.071068	
7302	29.57	CO	27.33	300			VC	25.45584	1 in 85
0308		CO		0			UN	38.20084	
6406	29.98	CO	23.61	825			BR	127.3129	1 in 386
7416		CO		0			UN	21.35973	
0803		CO	0	150			VC	6.299839	
5802	30.59	CO	28.58	225			VC	20.88061	1 in 39
8308		CO		300			VC	20.18661	
5504	29.88	CO	27.68	300			VC	72.53278	
6406	29.99	CO	24.38	970			BR	87.5643	1 in 2189
8703	30.77	CO	25.47	450			VC	64.38168	1 in 161
8801	30.95	CO	27.8	300			VC	99.90495	1 in 147
0606	30.71	CO	28.74	300			VC	43.01163	1 in 73
7407		CO		150			VC	6.368304	
8804		CO	0	150			VC	3.162278	
8602	30.58	SW	24.68	1050			CO	84.88406	1 in 653
9710		CO		150			VC	4.896873	
5603	30.3	CO	27.25	150			VC	10.77033	
0903		CO		0			VC	26.02707	
5507	29.71	CO	27.4	300			VC	12.43411	
5517		CO		0			UN	4.358803	1 in
8511		CO		150			VC	8.386028	
5302		SW	0	150			VC	22.08036	
6803	30.66	CO	27.94	225			VC	10.44031	1 in 12
6601	30.59	CO	0	150			VC	6.403124	
5804	30.62	CO	26.92	375			VC	31.32196	
5617		CO		100			VC	7.965587	
0309		CO		0			UN	56.24586	
6805	30.65	CO	24.15	900			VC	11.40175	
9802	31.19	CO	26.94	375			VC	22.2036	1 in 247
6503	30.09	SW	24.57	1050			BR	89.80534	1 in 748
6316		FO		100			PE	28.59545	
0503	30.46	CO	26.37	610			BR	80	
8702	30.85	CO	24.83	1070			BR	3.605551	1 in 5
8704	30.69	CO	25.07	450			VC	80.61018	1 in 202
7901	30.61	CO	23.99	900			BR	8.899495	
8306		CO		100			VC	6.270095	
0703	30.86	CO	28.97	225			VC	40	1 in 160
7815		CO		150			VC	15.77981	
5401	29.71	SW	24.28	825			CO	100.0156	1 in 1429
0505		CO	0	650			BR	113.1592	
7703	30.53	CO	28.51	300			VC	6.605551	
9707		CO		150			VC	2.790429	
9701	30.69	CO	24.93	1070			BR	60.41523	1 in 671
6501	30.11	CO	26.48	375			VC	77.07788	1 in 266
5402	29.78	CO	26.92	375			VC	84.14868	1 in 421
8810		CO		150			VC	8.396873	
6706	30.52	CO	28.2	225			VC	7.211102	
6606		CO		150			VC	8.184925	
7329		CO		150			VC	22.84123	
0702	30.95	CO	28.12	300			VC	42.04759	1 in 66
9711		CO		150			VC	27.41703	
0818		CO		150			VC	21.8131	
7801	30.63	CO	27.61	300			VC	14.86007	
6722		SW		150			VC	12.21663	

Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
6307		FO		150			VC	12.35367	
6302	29.61	CO	27.16	620			BR	65.12171	1 in 61
6705	30.7	CO	28.47	150			VC	9.192492	
0807		CO	0	375			VC	63.75969	
8305		CO		100			VC	5.947642	
7313		CO		225			VC	21.74694	
6511		CO		150			VC	8.235339	
6313		CO		150			VC	22.22181	
0804		CO	0	375			VC	41.92477	
9302	30.11	CO	25.97	670			BR	36.49657	1 in 228
5426		CO		100			VC	1.119171	
5907	30.69	CO	27.01	375			VC	12.80625	1 in 27
7604	30.67	CO	28.58	150			VC	7.071068	
7608		CO		150			VC	14.11465	
9301	29.99	CO	26.31	375			VC	84.1515	1 in 495
8413		CO		150			VC	6.533187	
0504	30.56	CO	27.45	640			BR	16	
6703	30.63	CO	27.42	300			VC	41.01219	1 in 164
9805	31.24	SW	29.02	375			VC	97.08244	1 in 221
6806	30.74	CO	26.33	375			VC	7.81025	
9601	30.23	CO	25.52	660			BR	39.35749	1 in 3
6401	29.95	CO	24.45	1050			CO	85.26808	1 in 502
7701	30.46	CO	28.11	225			VC	20.51828	1 in 35
6303	29.6	CO	26.76	300			VC	7.071068	
6702	30.69	CO	27.84	300			VC	76.37347	1 in 186
7702	30.5	CO	27.48	300			VC	29	
8920		CO		225			VC	7.73547	
5602	30.23	CO	26.63	300			VC	23.76973	
0815		CO		100			VC	5.660547	
7303	29.72	CO	26.69	300			VC	8.602325	1 in 17
7802	30.68	CO	27.02	300			VC	8.602325	
0802	31.36	CO	27.31	540			BR	64.00781	1 in 74
5403	29.76	CO	27.69	300			VC	69.92139	1 in 241
8323		CO		100			VC	19.80889	
7705	30.7	CO	28.14	300			VC	115.2606	1 in 152
9720		CO		150			VC	15.24922	
6301	29.52	CO	26.72	225			VC	9.219544	
5518		CO	0				UN	1.687595	1 in
6802	30.75	CO	27.06	300			VC	36.07761	
9705		CO		150			VC	2.944306	
9827		CO		225			VC	14.82156	
6404		CO		150			VC	15.94037	
8501	30.14	CO	25.9	590			BR	40.31129	1 in 504
9717		CO		150			VC	11.74939	
9715		CO		150			VC	7.523157	
9828		CO		225			VC	7.313147	
8512		CO		150			VC	11.88225	
6822		SW		150			VC	7.103138	
6410	30.13	CO	26.76	300			VC	57.37471	1 in 44

LEGEND

Abandoned · Foul · Surface Water · Combined

- Public Sewer
- Private Sewer
- Section 104
- Rising Main
- Sludge Main
- Overflow
- Water Course
- Highway Drain

All point assets follow the standard colour convention:
red - combined · blue - surface water
brown - foul · purple - overflow

- Manhole
- Head of System
- Extent of Survey
- Rodding Eye
- Inlet
- Discharge Point
- Vortex
- Penstock
- Washout Chamber
- Valve
- Air Valve
- Non Return Valve
- Soakaway
- Gully
- Cascade
- Flow Meter
- Hatch Box
- Oil Interceptor
- Summit
- Drop Shaft
- Orifice Plate
- Side Entry Manhole
- Outfall
- Screen Chamber
- Inspection Chamber
- Bifurcation Chamber
- Lamp Hole
- T Junction / Saddle
- Catchpit
- Valve Chamber
- Vent Column
- Vortex Chamber
- Penstock Chamber
- Network Storage Tank
- Sewer Overflow
- Ww Treatment Works
- Ww Pumping Station
- Septic Tank
- Control Kiosk
- Change of Characteristic

MANHOLE FUNCTION

FO	Foul
SW	Surface Water
CO	Combined
OV	Overflow

SEWER SHAPE

CI	Circular	TR	Trapezoidal
EG	Egg	AR	Arch
OV	Oval	BA	Barrel
FT	Flat Top	HO	HorseShoe
RE	Rectangular	UN	Unspecified
SQ	Square		

SEWER MATERIAL

AC	Asbestos Cement
BR	Brick
PE	Polyethylene
RP	Reinforced Plastic Matrix
CO	Concrete
CSB	Concrete Segment Bolted
CSU	Concrete Segment Unbolted
CC	Concrete Box Culverted
PSC	Plastic / Steel Composite
GRC	Glass Reinforced Plastic
DI	Ductile Iron
PVC	Polyvinyl Chloride
CI	Cast Iron
SI	Spun Iron
ST	Steel
VC	Vitrified Clay
PP	Polypropylene
PF	Pitch Fibre
MAC	Masonry, Coursed
MAR	Masonry, Random
U	Unspecified

Address or Site Reference:

FLAT 1 63-65 UPPER CHORLTON ROAD,
MANCHESTER,
M16 7RQ

Scale: 1:1250 **Date:** 11/10/2023

Sheet: 1 of 1

Printed by: Property Searches

SEWER RECORDS

United Utilities
Water for the North West

The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

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Appendix D – Preliminary Risk Assessment Phase 1

63-65 UPPER CHORLTON ROAD
WHALLEY RANGE

PHASE 1:
PRELIMINARY RISK ASSESSMENT

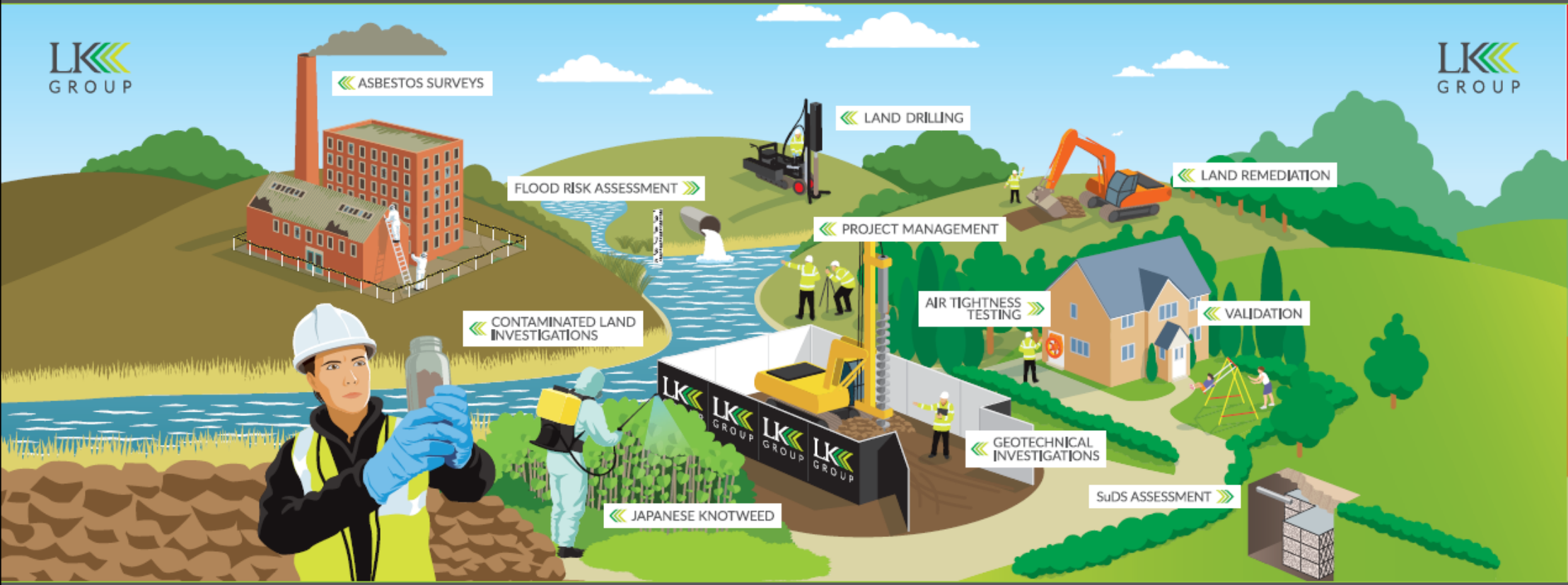
Job Number: LKC 23 1395
Date: July 2023
Client: Terra Nova Developments Ltd



INCREASING LAND VALUE

LK GROUP

INCREASING LAND VALUE



LK GROUP

LK Consult Document Verification			
Site Address	63–65 Upper Chorlton Road, Manchester, M16 7RQ		
Report Title	Phase 1: Preliminary Risk Assessment		
Job Number	LKC 23 1395	**Document Ref.**	CL-602-LKC 23 1395-A1-PRA-Upper Chorlton Rd
Date Issued	13th July 2023	**Report Version**	R0
Prepared By	Alex Evans	**Reviewed By**	Rachel Peart

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

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Those using this information in subsequent assessments or evaluations do so at their own risk.

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Figure 1: Site Location and Boundary Plan

Appendices

Appendix A: Historical Maps

Appendix B: Envirocheck Report

Appendix C: Zetica UXO Unexploded Bomb Risk Map

Appendix D: Risk Evaluation

1 Introduction

LK Consult Ltd (LKC) has been commissioned to carry out a Phase 1 Preliminary Risk Assessment (PRA) for Upper Chorlton Road, Whalley Range.

In accordance with current guidance (including LCRM[1] and the National Planning Policy Framework (NPPF)[2]), the PRA will include a site reconnaissance, site history, geology, hydrogeology, hydrology, mineral search and a landfill search. Information gathered from the desk study and site reconnaissance will be used to develop a contamination conceptual model for the site.

In addition, the information gathered will be used to identify potential geotechnical constraints associated with the redevelopment of the site.

Based on the findings of this report, an appropriate site investigation can be derived, if required.

Site details are provided in Table 1-1. Figure 1 shows the site location and boundary.

Site Location	South east of Upper Chorlton Road and northeast of Darnley Street, Whalley Range. Centred at approximate National Grid Reference 382800E, 395610N.
Approximate Area	1,200m^2.
Topography	31 metres Above Ordnance Datum (AOD). Site is approximately level.
Current Site Use	Derelict residential apartments and associated hardstood ground. Soft landscaping in garden with protected trees.
Purpose of Report	Pre-planning.
Proposed Development	Residential apartments with soft landscaping.

Table 1-1: Summary of site details.

[1] Land Contamination Risk Management (LCRM) https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm
[2] "National Planning Policy Framework." The Ministry of Housing, Communities and Local Government. Published March 2012, Updated July 2021.

2 Historical Review

2.1 Historical Map Review

In compiling the site history, LKC consulted Envirocheck historical mapping (Appendix A). Table 2-1 summarises features on site.

Site Features	Location on Site	Dates Present		Comments
		From	To	
Residential Housing	NW	1893	Present	Possible infilled basement. Unlikely.

Table 2-1: Summary of site features. Dates based on available historical map editions.

Table 2-2 summarises potentially contaminative land uses within approximately 50m and potentially infilled features within approximate 250m.

Surrounding Area Features	Distance (m)	Direction	Dates Present		Comments
			From	To	
Warehousing	12	NE	1972	Current	
Wellfield Laundry	23	NE	1893	Present	Annotated 'Laundry' from 1932 mapping. Annotated 'Wellfield Linen Works' from 1949 mapping. Annotated 'Warehouse' from 1981 mapping.
Garage	26	NW	1932	2018	Annotated 'garage' from 1985 mapping only. Building partly demolished from 2019 aerial imagery and SE part of building noted as Tesco Express.
Warehouse	45	NE	1949	Present	Annotated 'Warehouse' from 1981 mapping.

Table 2-2: Summary of potentially contaminative features within 50m and potentially infilled features with 250m. Dates are based on available historical map editions.

3 Environmental Setting

A summary of environmental settings is presented in Table 3-1, based on a review of available environmental data.

Categories(data sources)			Details
Geology[1, 2]	Artificial		- No BGS recorded artificial.
	Superficial		- Glaciofluvial Sheet Deposits, Devensian (sand and gravel).
	Bedrock		- Wilmslow Sandstone Formation (sandstone). - Pendleton Fault close to E site boundary downthrown E, Strike NW to SE
	BGS Logs (<50m)		- None.
Hydro-geology[1]	Aquifer Designation	- Superficial	- Secondary A Aquifer.
		- Bedrock	- Principal Aquifer.
	Source Protection Zone (SPZ)		- Site not within an SPZ.
	Groundwater Abstractions (100m)		- None.
Hydrology[1]	Surface Water Courses (100m)		- None.
	Flooding Risk		- Flood Zone 1.
	Surface Water Abstractions (100m)		- None.
	Discharge Consents (onsite)		- None.
	Pollution Incidents (onsite)		- None.
Minerals & Mining[1,3,4]	Coal Mining		- Not within a Coal Reporting Area. - Not within a Development High Risk Area.
	Surface Mineral Extractions (250m)		- None.
	Cheshire Brine Compensation District		- Not within Compensation District. - Not within Consultation Area.
	Non-Coal Mining Area		- No Hazard.
Ground Stability[1]	Collapsible Ground		- Very low hazard.
	Compressible Ground		- No hazard.
	Ground Dissolution		- No hazard.
	Landslide		- Very low hazard.
	Running Sand		- Very low hazard.
	Shrinking / Swelling Clay		- No hazard.
Landfill Sites (250m)[1]	Known / Registered		- None.
	Potentially Infilled Land (non-water and water), based on Envirocheck Report		- None
	Potentially infilled sites, based on LKC historical review		- None.
Radon Potential[1]			- <1% of homes above Action Level. No protective measures are necessary in the construction of new dwellings or extensions.
Designated Sites (50m)[1]			- None.

Table 3-1: Summary of the environmental setting.

Notes: Distance in brackets is the distance from site that features are included. Where no distance given, features relate to on site only.

Data Sources:

1 Envirocheck Report (Appendix A & B)

2 BGS Sheet 76 1:50,000

3 The Coal Authority Web Mapping Services (WMS) / Interactive Map Viewer http://coal.decc.gov.uk/en/coal/cms/publications/data/map/map.aspx

4 Cheshire Brine Subsidence Compensation Board Compensation District & Consultation Areas http://www.cheshirebrine.com/wp-content/uploads/2016/11/NL08134-001-002.pdf

Categories(data sources)		Details
Contemporary Trade Directory (50m)[1]		- 29m NE, Kitchen Furniture Manufacturers. Inactive. - 31m NW Petrol Filling Stations. Inactive.
Fuel Station Entries (50m)[1]		- 9m E, Petrol Station (obsolete).
Unexploded Ordnance Risk (UXO) – Zetica Risk Map	Zetica Risk Map[6]	- Bomb Risk: High. - Strategic Targets: None identified within 100m
	Pre-Desk Study Assessment	- Detailed UXO desk study required.

Table 3-1 (continued): Summary of the environmental setting.
Notes: Distance in brackets is the distance from site that features are included. Where no distance given, features relate to on site only.
Data Sources:
1 Envirocheck Report (Appendix A & B)
5 Zetica UXO Unexploded Bomb Risk Map and Pre-Desk Study Assessment (Appendix C)

4 Site Reconnaissance

A site reconnaissance was carried out on 04 July 2023. Hand dug trial holes were undertaken in accessible areas to confirm the shallow ground conditions.

Relevant features identified on site are summarised below:

- Good condition tarmacadam across 70% of site with light vegetation in the SE.
- Mature trees across SW and SE borders with some more centralised within the vegetation.
- Buddleia identified in vegetation plot upon drive.
- 3 storey derelict building in NW of site with evidence of a basement and possible ACM.
- Litter observed across whole site, larger quantities on drive alongside skip.
- Grit and Salt bin present on NW corner of site building.
- Access to site restricted to >3m driveway entrance in NW of site followed by 2.3m access gate between E fencing and building.
- Upper Chorlton Road adjacent to NW boundary of site. Road in good condition.
- Detached residential housing NW and SE of site all adjacent to Upper Chorlton Road
- Flat terrain across site.
- Newer square of tarmacadam 1.0m by 1.5m heavily damaged subsided into ground.
- 5 manhole covers present around the SE boundary of the house on site.
- Vent pipe attached to SW and NE sides of house.
- Overgrown raised planters present in back garden of site.

The surrounding area comprises of an adjacent single carriageway road in good condition with a pedestrian crossing and pavement either side. Neighbouring detached residential housing N and S of the site.

Hand dug pits were carried out in 3no. locations and are summarised in Plate 4-1.

HD101	HD102	HD103
GL-0.75m Made Ground (sandy gravely silt, abundant rootlets, occasional brick, rare ash, and clinker. Dark brown organic, very dry).	GL-0.7m Made Ground (gravelly sandy silt, abundant rootlets, occasional brick, occasional large remnants of smashed pottery, rare glass, very dry). GL-0.7-0.9m Made Ground (clayey silt occasional-rare brick and rare ash).	GL-0.5 Made Ground (gravelly sandy silt, occasional brick, rare ash, dark brown, very dry). GL-0.5-0.7 Made Ground (sandy silt, occasional brick, rare ash and coal dark brown in colour very dry). GL-0.7-0.9 Natural Ground (sandy clay, light brown colour, very dry).

Plate 4-1: Hand Dug Pit Logs.

Relevant photographs are provided in Plate 4-2.

	
Photograph 1: View of site from NW facing SE, Note Upper Chorlton Road, site entrances and boarded up windows.	**Photograph 2:** View of access gate on NE corner of site building. Note padlock on gate and vent pipe.
	
Photograph 3: Damaged Tarmacadam. Note manhole cover, and colour difference between damaged tarmacadam and surrounding tarmacadam.	**Photograph 4:** View of back end of site facing S. Note mature trees along fencing and within light vegetation. Note raised planters in left of image upon tarmacadam.

Plate 4-2: Site photographs.

Relevant features are also shown on Plate 4-3.



Plate 4-3: Plan showing relevant site walkover features.

5 Preliminary Contamination Conceptual Site Model

5.1 Introduction

The aim of the conceptual model is to provide a preliminary assessment of the likelihood of a pollutant linkage for each potential combination of contaminant, pathway and receptor. A conceptual model can be used to make an informed decision on the contamination risks associated with the site and whether further site investigation work is required.

The sections below are therefore divided into potential contaminant, potential pathway and potential receptor as described in LCRM[3], on the premise that, if there is no pollutant linkage, then there will be no risk to the receptor. The final section provides an assessment of the potential pollutant linkages that may still be present on the site if redevelopment were to occur.

5.2 Potential Contaminants

Potential viable contamination sources are detailed in Table 5-1. These are split into onsite sources, offsite sources and underlying geology.

Potential Source	Contaminants
On Site	
Shallow Made Ground below some or all of site	- Assuming predominantly reworked natural soils with possible demolition rubble, Ash / clinker noted in the site reconnaissance. - Not expected to be a significant source of gas given anticipated depth and nature of Made Ground.
Residential property with driveway	- Assuming no demolition has occurred: No significant contamination source anticipated. Building could contain ACM. - Driveway is broken tarmacadam however, no signs of spills / leaks on the site surface: No significant contamination source anticipated
Surrounding Area	
Surrounding land uses (laundry, works, warehouse, garage)	- Metals, petroleum hydrocarbons, other inorganic compounds and organic compounds, soaps and detergents. - Other ancillary activities could include coal fired boilers producing large quantities of boiler ash (heavy metals, sulphates and PAHs), if powered by gas or oil there may historically have been fuel storage tanks. Asbestos may have been used within the building as insulation and lagging or as roofing and cladding.
Radon Affected Area	- <1% of homes above Action Level. No protective measures are necessary in the construction of new dwellings or extensions. - No further consideration required.
Superficial / Bedrock	- Glaciofluvial sheet deposits over Wilmslow Sandstone Formation. - No significant contamination sources identified. - Although not identified as sulphate / sulphide bearing strata[4] there could be some localised raised concentrations. This is considered further in the geotechnical assessment.

Table 5-1: Potential contamination sources.

[3] Land Contamination Risk Management (LCRM) https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm
[4] BRE (2005). "Concrete in Aggressive Ground". SD1.

5.3 Potential Receptors

Potential receptors are detailed in Table 5-2.

Receptors	
Human Health	- Future site users (including residents, visitors and site workers). - Offsite land users.
Controlled Waters	- Secondary A Aquifer. - Principal Aquifer.
Buildings.	
Potable water pipes.	

Table 5-2: Potential receptors.

5.4 Potential Pathways

Potential pathways are detailed in Table 5-3.

Pathways		
Soils	Human Health[5] (residential land use: apartments with shared landscaping)	- Ingestion of soil. - Ingestion of soil-derived indoor dust. - Dermal contact with soil. - Dermal contact with soil-derived indoor dust. - Inhalation of soil-derived outdoor dust. - Inhalation of soil-derived indoor dust. - Inhalation of vapours outside. - Inhalation of vapours inside. - Omitted as no private gardens: ingestion of contaminated home-grown produce and ingestion of soil attached to home-grown produce.
	- Windblown dust and fibres to adjacent receptors.	
	- Direct contact with receptors (services).	
Water	- Site is relatively flat and partially grassed; therefore, surface run-off will be possible but limited.	
	- Infiltration into the ground, through potentially contaminated material (contamination possibly going into solution).	
Water and Gas	- Migration through potentially permeable strata and preferential pathways. - Superficial (sand and gravel) likely to be relatively permeable. - Bedrock Wilmslow Sandstone Formation (sandstone) likely to be relatively permeable. - Preferential pathways: services.	
Gas	- Migration into buildings (e.g. via services) and accumulation of gases in confined spaces (potentially causing explosion if methane is present).	

Table 5-3: Potential pathways.

5.5 Preliminary Contamination Conceptual Model

The Preliminary Contamination Conceptual Site Model (PCCSM) is illustrated in Table 5-4 and has identified five generic potential pollutant linkages.

Each linkage is described along with an assessment of the risk based upon guidance on probabilities and consequences outlined in CIRIA C552[6].

In order to assess the potential risk for each pollutant linkage, an assessment of the magnitude of the potential consequence (severity) of the risk occurring and the

[5] EA (2008). "Updated Technical Background to the CLEA Model". Science Report – SC050021/SR3.
[6] CIRIA (2001). "Contaminated Land Risk Assessment: A Guide to Good Practice". C552.

magnitude of the probability (likelihood) of the risk occurring has been considered and classified. This is based on the guidance provided in CIRIA C552 and further details including a risk matrix is provided in Appendix D.

Where LKC identified a low to very low risk, targeted or low density intrusive investigation work, a watching brief (during construction work) or no investigation work will be recommended. This will be dependent on the nature of the site and the proposed development.

Where the risk falls into the moderate/low risk, LKC will undertake an assessment to establish what category the pollutant linkage will fall into (i.e. moderate or low risk will be chosen).

Where LKC identifies a moderate or higher risk, intrusive investigation work or precautionary remedial measures will be recommended.

Due to the minor consequence associated with the phytotoxic effect to flora (i.e. loss of plants in a landscaping scheme), the overall risk for the majority of sites will be very low to low. Where soils contain significant concentrations of heavy metals, in general there will other pollutant linkages (i.e. the risk to human health) that will trigger the requirement for remediation (e.g. a clean environmental cover system). As such the risk to flora associated with phytotoxic contaminants will not be considered further.

The risk to buildings associated with elevated sulphate will be considered as part of the geotechnical assessment and will not be included in the contamination risk assessment.

It should be noted that there may be risk from short term exposure from contaminated soil to site workers. The Preliminary Contamination Conceptual Model deals with long term exposure to key receptors. Acute risks can be easily mitigated by good environmental management of the site during site works. Standard health and safety precautions (as per HSE guidance[7]) should be adopted by all workers involved with site enabling and construction works. Therefore, this receptor is not considered in the contamination conceptual model.

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

PL	Pathway	Receptor	Contaminants of Concern (CoC)	Probability	Consequence	Risk	Recommendations
1	- Dermal contact. - Inhalation of soil, fibres and dust. - Ingestion of soils, dust. - Windblown dust.	- Future site users. - Offsite receptors.	- ACMs - Heavy metals - PAHs	Likely (given site history, site conditions and proposed end use)	Medium	**Moderate**	Intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.
			- Petroleum hydrocarbons - Other organic and inorganic contamination	Low Likelihood (given site history, site conditions and proposed end use)	Medium	**Moderate** / Low (moderate assumed until ground conditions confirmed)	Intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.
2	- Inhalation of vapours. - Migration via permeable strata and preferential pathways.	- Future site users. - Offsite receptors.	Volatile contaminants: - Petroleum Hydrocarbons - VOCs - SVOCs	Low Likelihood (given site history, site conditions and proposed end use)	Medium	Moderate / **Low** (low assumed as no significant volatile source anticipated)	Low density intrusive investigation required, to include PID testing. Soil analysis of CoC, subject to ground conditions encountered and PID testing.
3	- Inhalation of gas. - Migration via permeable strata and preferential pathways. - Explosion in confined spaces.	- Future site users. - Buildings. - Offsite land users.	Ground / hazardous gas: - Carbon dioxide - Methane	Unlikely (given limited viable gas source and limited pathway)	Severe	Moderate / **Low** (low assumed as no significant source or pathway)	Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring or gas protection measures required.
4	- Surface run-off. - Migration via permeable strata and preferential pathways. - Perched waters migration.	- Groundwater (Principal and Secondary A Aquifer).	Mobile contaminants: - Heavy metals - PAHs - Hydrocarbons - Volatile/mobile compounds.	Low Likelihood (only minimal mobile contamination anticipated with limited pathway)	Medium	**Moderate** / Low (moderate assumed until ground conditions confirmed)	Low density intrusive investigation required. Groundwater sampling, subject to ground conditions encountered. Analysis of CoC.
5	- Ingestion of tainted water supply.	- Future site users. - Water pipes.	Organic contaminants - Petroleum hydrocarbons - Naphthalene - Volatile compounds	Low Likelihood (although some contamination may be present, significant contamination not expected at pipeline depth)	Medium	Moderate / **Low** (low risk assumed given anticipated limited made ground and contamination)	Low density intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.

Table 5-4: Preliminary Contamination Conceptual Site Model.
Notes: PL = Pollutant Linkage. Contaminant of Concern (CoC) - See Table 5-1 for contamination sources. Site conditions based on observations during site reconnaissance.

6 Preliminary Geotechnical Risk Assessment

Table 6-1 summarises the possible geotechnical constraints of the site, based on the site history, environmental settings and site reconnaissance. Investigation work will be required to confirm the risks and provide a detailed geotechnical assessment and foundation design.

Coal Mining	Site is not within a Development High Risk Area. No further assessment required.
Slope Stability	Site is relatively flat. No significant slope stability risk anticipated. No further assessment required.
Envirocheck Ground Stability Hazards	No to low hazard identified. No further action required.
Made Ground	Unknown depth and constituent of made ground across the site. Initial information indicates relatively shallow made ground.
Superficial	Unknown strength of soils for foundation design. Sand and gravel anticipated below the site.
Bedrock	Unknown depth to bedrock.
Groundwater	Unknown depth and variability of groundwater.
Plasticity	Plasticity of clay deposits should be confirmed, particularly where trees are present or proposed, to identify the shrink / swell risk.
Sulphate	Ash noted in the made ground which may give rise to elevated sulphate.
Road / Pavement Design	Unknown CBR values for footpath and road design.

Table 6-1: Summary of geotechnical constraints.

7 Summary Conclusions and Recommendations

7.1 Summary Conclusions

Table 7-1 summarises the site details, historical review, environmental settings and site reconnaissance.

Current Site Use	Derelict residential apartments and associated hardstood ground. Soft landscaping in garden with protected trees.
Proposed Development	Residential apartments with soft landscaping.
Main Historical Features	Onsite: Residential Housing. Surrounding Area: Warehousing, Laundry/Works, Warehouse.
Geology / Hydrogeology	Artificial: No BGS recorded artificial. Superficial: Glaciofluvial sheet deposits (sand and gravel). Secondary A Aquifer. Bedrock: Wilmslow Sandstone Formation (sandstone), Principal Aquifer.
Landfills / Infilled Ground	No recorded landfills. Potentially infilled ground identified.
Site Walkover	Site walkover identified good condition tarmacadam across majority of back of site with one area of newer damaged tarmacadam. HD101 – 103 identified occasional brick and rare ash in the made ground.

Table 7-1: Summary of site details, historical review, environmental settings and site reconnaissance.

A preliminary contamination conceptual site model has been produced by LKC, which is summarised in Table 7-2.

Pollutant Linkage		Risk	Recommendations
PL1: Contaminants posing a risk to future site users via dermal contact, ingestion and inhalation (of soil, dust, fibres).	ACM, Heavy metals, PAHs	**Moderate**	Intrusive investigation required. Soil analysis of CoC.
	Petroleum hydrocarbons Other organic and inorganic contaminants	**Moderate** / Low	Targeted intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.
PL2: Volatile contaminants posing a risk to future site users via the inhalation of vapours.		Moderate / **Low**	Low density intrusive investigation required, to include PID testing. Soil analysis of CoC, subject to ground conditions encountered and PID testing.
PL3: Gas (carbon dioxide and methane) posing a risk to buildings and future site users via the migration of gas into building causing explosion and asphyxiation.		Moderate / **Low**	Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring or gas protection measures required.
PL4: Mobile contamination posing a risk to controlled waters via the migration through permeable strata.		**Moderate** / Low	Low density intrusive investigation required. Groundwater sampling, subject to ground conditions encountered. Analysis of CoC.
PL5: Organic contaminants posing a risk to water pipes.		Moderate / **Low**	Low density intrusive investigation required. Soil analysis of CoC, subject to ground conditions encountered.

Table 7-2: Summary risk table.
Where moderate / low risk had been identified, the assumed risk is shown in bold.

A preliminary geotechnical assessment has been carried out by LKC. Table 7-3 summarises the geotechnical constraints.

Coal Mining	Site is not within a Development High Risk Area. No further assessment required.
Slope Stability	Site is relatively flat. No significant slope stability risk anticipated. No further assessment required.
Made Ground	Unknown depth and constituent of made ground across the site. Initial information indicates relatively shallow made ground.
Superficial	Unknown strength of soils for foundation design. Sand and gravel anticipated below the site.
Bedrock	Unknown depth to bedrock.
Groundwater	Unknown depth and variability of groundwater.
Plasticity	Plasticity of clay deposits should be confirmed.
Sulphate	Ash noted in the made ground which may give rise to elevated sulphate.
Road / Pavement Design	Unknown CBR values for footpath and road design should be calculated.

Table 7-3: Summary of geotechnical constraints.

7.2 Recommendations

Recommendations are provided in Table 7-4.

Contamination Status	There is sufficient information on the potential contaminative status of the site to allow conditional approval of a planning application, based on the proposed end use detailed in the PRA.
Further Assessment Recommendations	Phase 2 intrusive investigation required, once planning has been approved. Phase 2 investigation to be carried out in line with current guidance, including BS10175[8], BS5930[9] CIRIA C665[10], RB17[11] and BS8485[12]. Either 'exploratory investigation': 1 sample per 25-50m square centres. Or 'detailed investigation': 1 sample per 10-25m square centres. Plus targeted investigation locations in areas of concern (contamination and geotechnical). To be agreed with the local authority.
Type of Investigation Work	Boreholes and / or trial pits, with supplementary hand dug pits.
PL 1, 2, 5,	Intrusive investigation work recommended to confirm ground conditions across the site. Testing of contaminants of concern based on preliminary conceptual model and field observations (PID tests and visual / olfactory evidence).
PL 3	Intrusive investigation to confirm ground conditions. If significant gas source and pathway identified, gas monitoring or gas protection measures required. Gas monitoring: monitoring wells to be installed in boreholes, monitoring frequency and period subject to anticipated risk.
PL 4	Groundwater sampling, subject to ground conditions encountered. Groundwater samples to be collected from monitoring wells and tested for contaminants of concern based on preliminary conceptual model and ground conditions encountered.
Reporting	Information from the above can be used to carry out a contamination and geotechnical assessment and provide a remediation strategy for the site.

Table 7-4: Recommendations.

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

Further Considerations are summarised in Table 7-5.

Unexploded Ordnance	A high risk from unexploded ordnance (UXO) has been identified. It is recommended that a detailed UXO desk study is carried out to confirm the risk. The detailed desk study will confirm if any special precautions need to be considered before any intrusive work is carried out.
Asbestos	Even though no asbestos was identified externally on the existing buildings, given the age, there may be areas inside that have Asbestos Containing Materials (ACMs). Therefore, we would advise that a Pre-Demolition and Major Refurbishment Asbestos Survey is undertaken prior to demolition by a professional contractor.

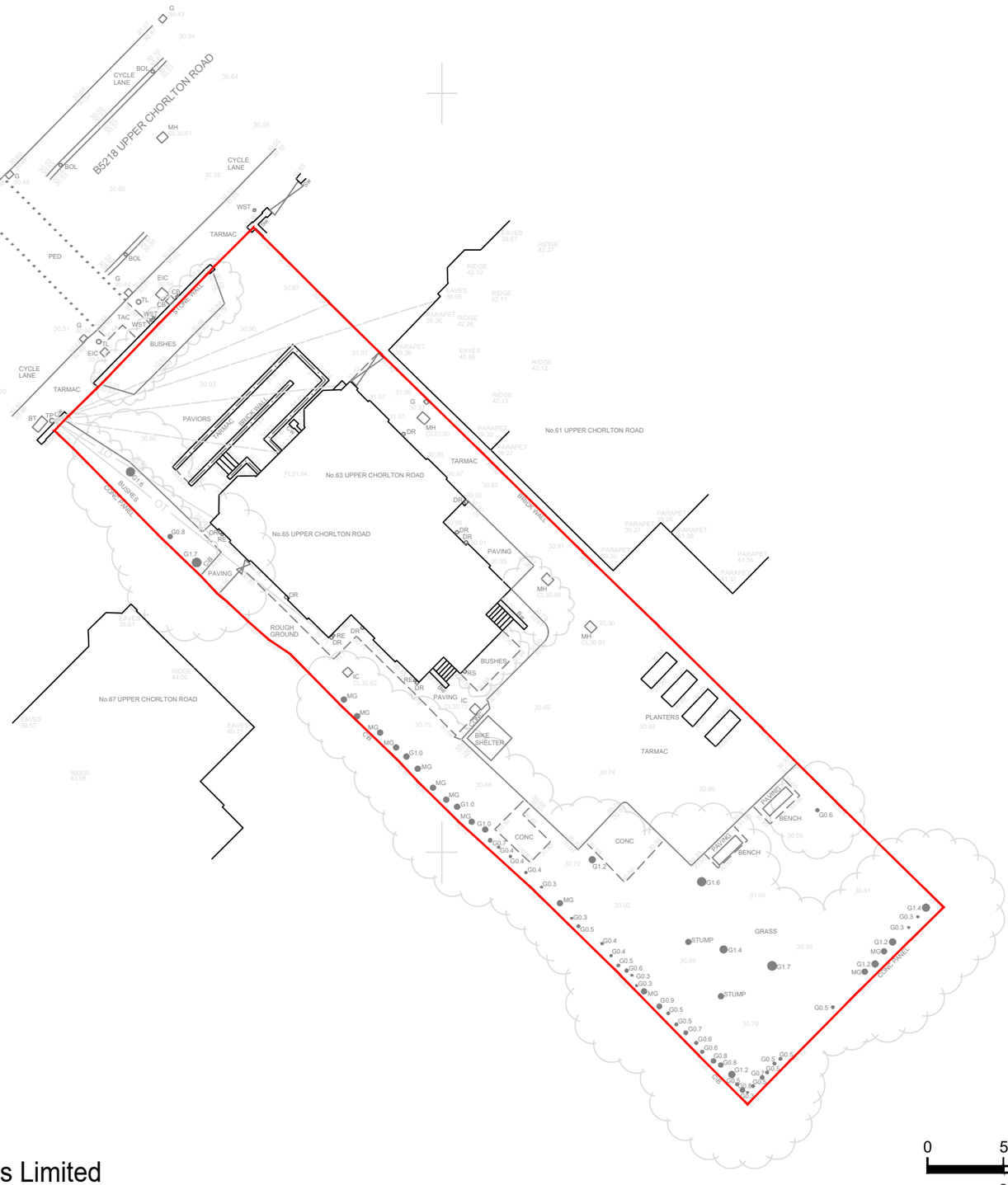
Table 7-5: Further considerations.

Figures





Client: Terra Nova Developments Ltd				Title: Site Location & Boundary Plan	LKC CONSULT
Site: Upper Chorlton Road, Manchester				Scale (see scale bar): 1:25,000 & 1:1000 @ A4	Figure: 1 / Revision:
Job No.: LKC 23 1395	Drawn By: AE	Checked By: RC	Drawn: Jul 2023		



Extract from: Survey Operations Limited
Drawing Ref: Topographical Survey, No.23E255, Rev:001 (June 2023)

N

KEY

Site Boundary

Sampling Locations and features annotated by LK Consult Ltd are approximate and are based upon observed measurements unless otherwise stated. Do not scale from this drawing and work from marked dimensions only. All dimensions and features should be confirmed on site by the Contractor. Where this drawing includes information provided to LK Consult Ltd by others, LK Consult Ltd gives no warranty, representation or assurance as to the accuracy of such information.

LK CONSULT LIMITED

Client: Terra Nova Developments Ltd

Site: Upper Chorlton Road, Manchester

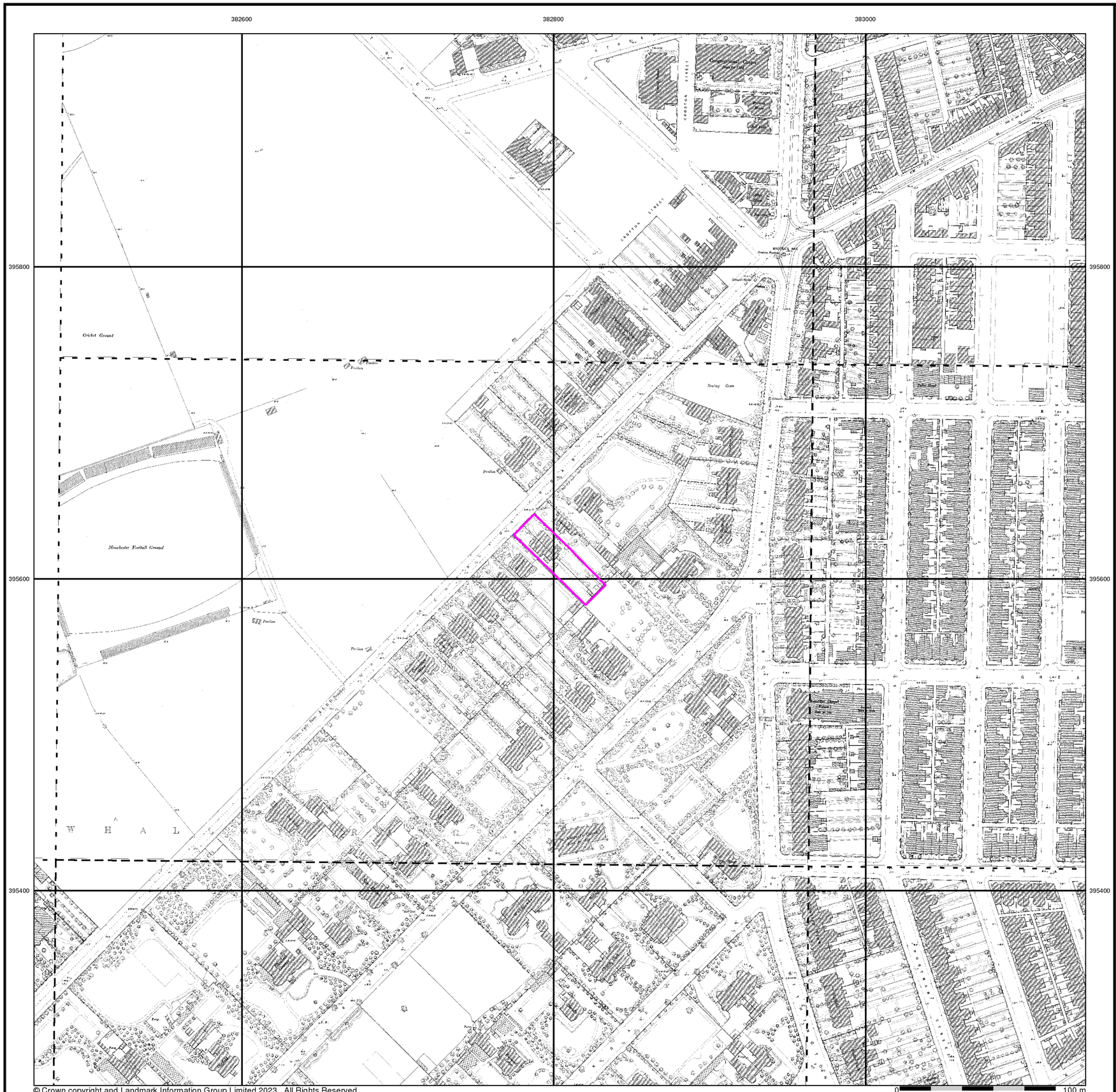
Title: Proposed Development Plan

Job No.:	Scale (See Scale Bar):	Figure:	Revision:
LKC 23 1395	See Scale Bar	2	

Drawn By:	Checked By:	Drawn:
AC	AE	Jun 2023

Appendix A

Historical Maps



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0 100 m

LK GROUP

Lancashire And Furness

Published 1891

Source map scale - 1:500

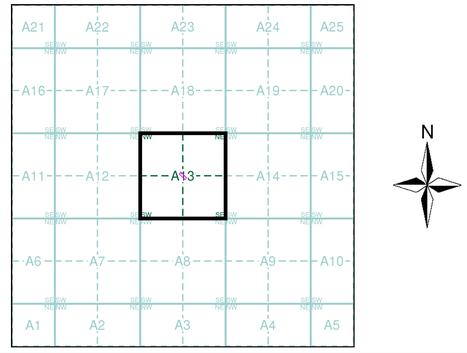
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped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

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

Map Name(s) and Date(s)

104_14_012 1891 1:500	104_14_013 1891 1:500	
104_14_017 1891 1:500	104_14_018 1891 1:500	
104_14_021 1891 1:500	104_14_022 1891 1:500	104_14_023 1891 1:500

Historical Town Plan - Segment A13



Order Details

Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	0

Site Details

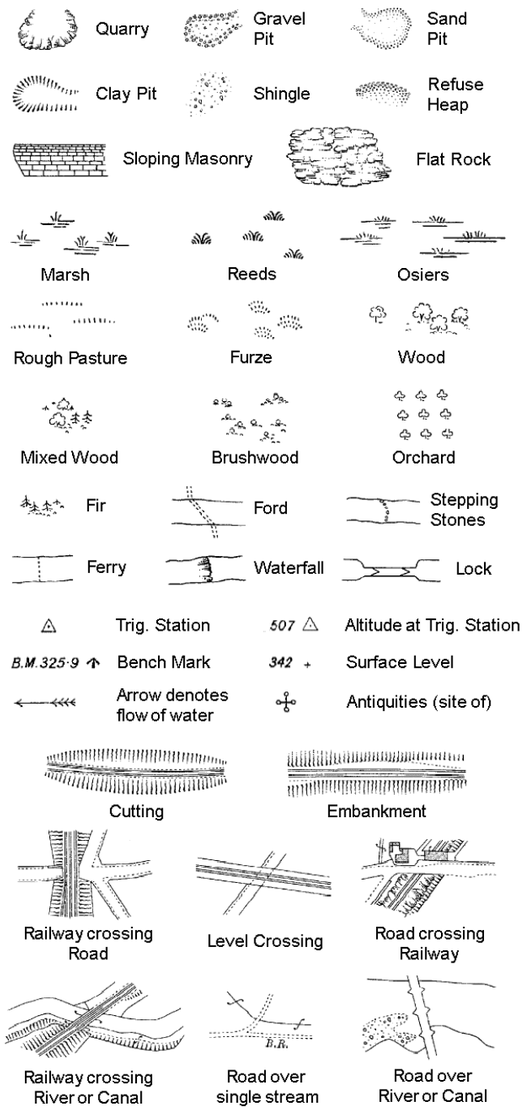
63-65, Upper Chorlton Road, Manchester, M16 7RQ

Landmark INFORMATION GROUP

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

Historical Mapping Legends

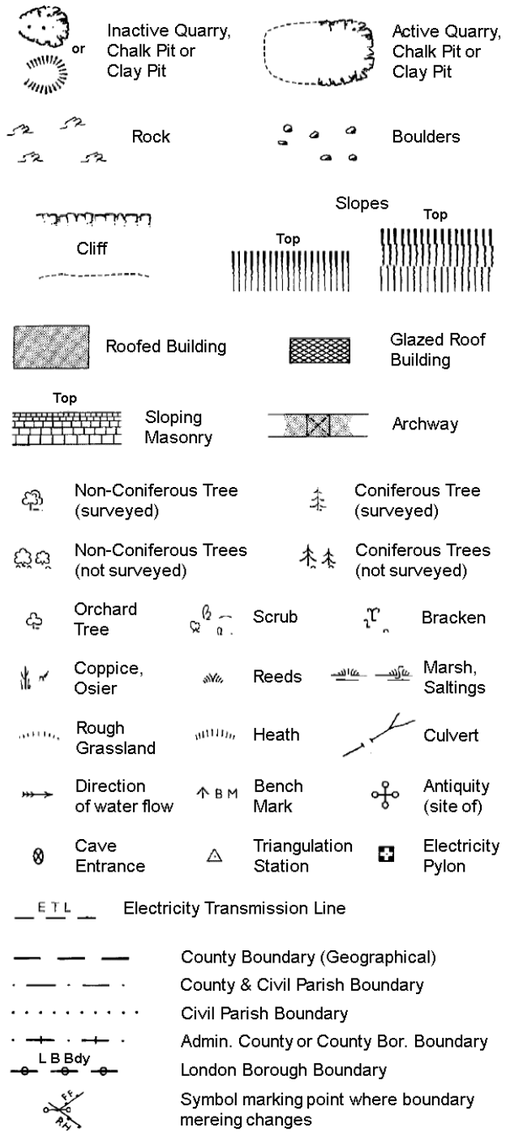
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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

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

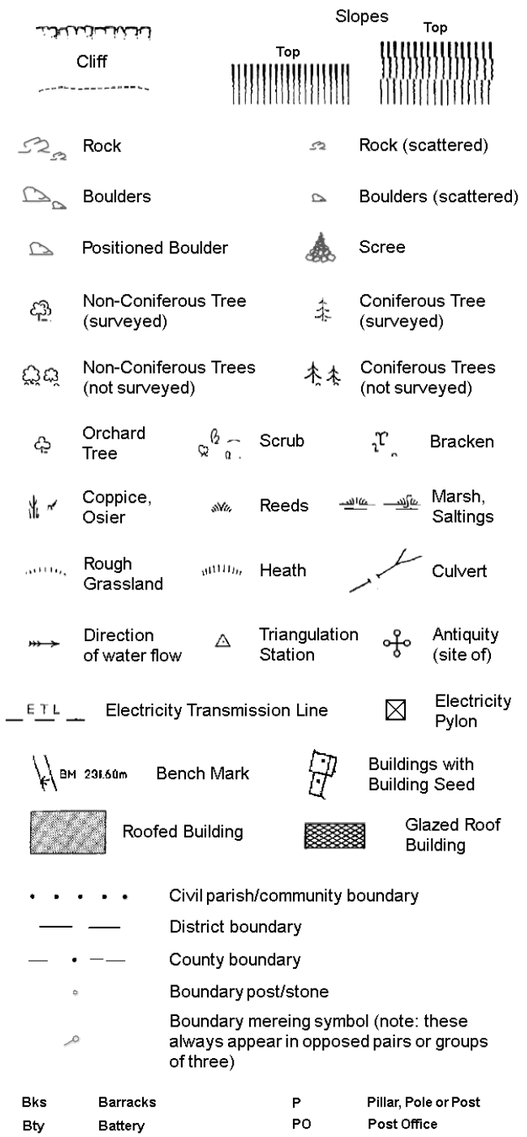
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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

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

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



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

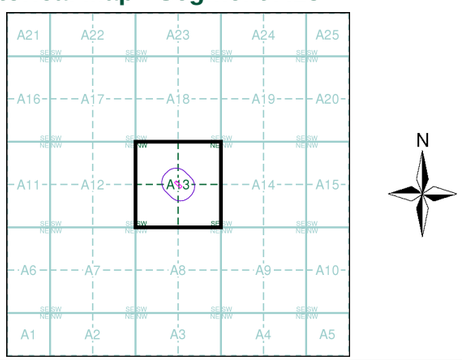
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1908	3
Lancashire And Furness	1:2,500	1932	4
Ordnance Survey Plan	1:1,250	1949 - 1950	5
Ordnance Survey Plan	1:2,500	1951	6
Ordnance Survey Plan	1:1,250	1959 - 1977	7
Supply of Unpublished Survey Information	1:1,250	1976	8
Additional SIMs	1:1,250	1978 - 1989	9
Additional SIMs	1:1,250	1981 - 1989	10
Ordnance Survey Plan	1:1,250	1986 - 1987	11
Additional SIMs	1:1,250	1989 - 1991	12
Large-Scale National Grid Data	1:1,250	1992	13
Large-Scale National Grid Data	1:1,250	1995	14
Historical Aerial Photography	1:2,500	2000	15

Historical Map - Segment A13



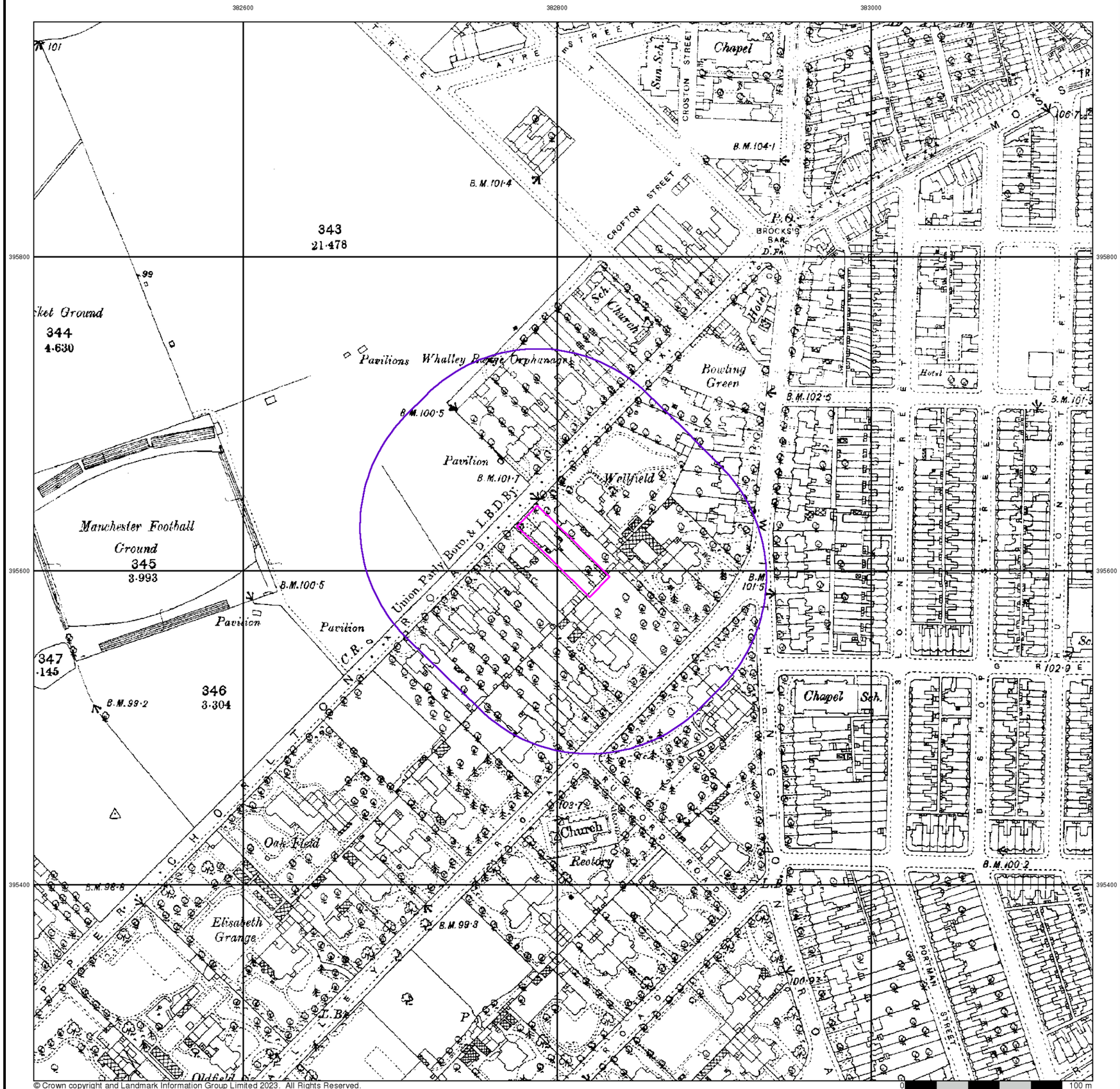
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National Grid Reference: 382800, 395610
Slice: A
Site Area (Ha): 0.12
Search Buffer (m): 100

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ

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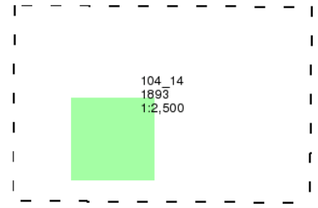
Lancashire And Furness

Published 1893

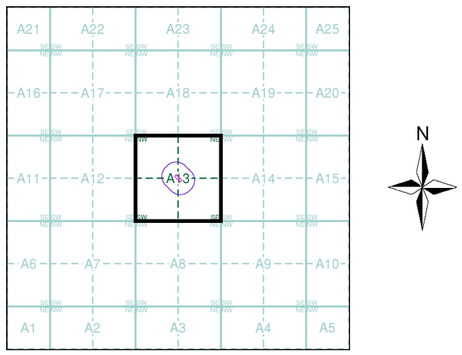
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



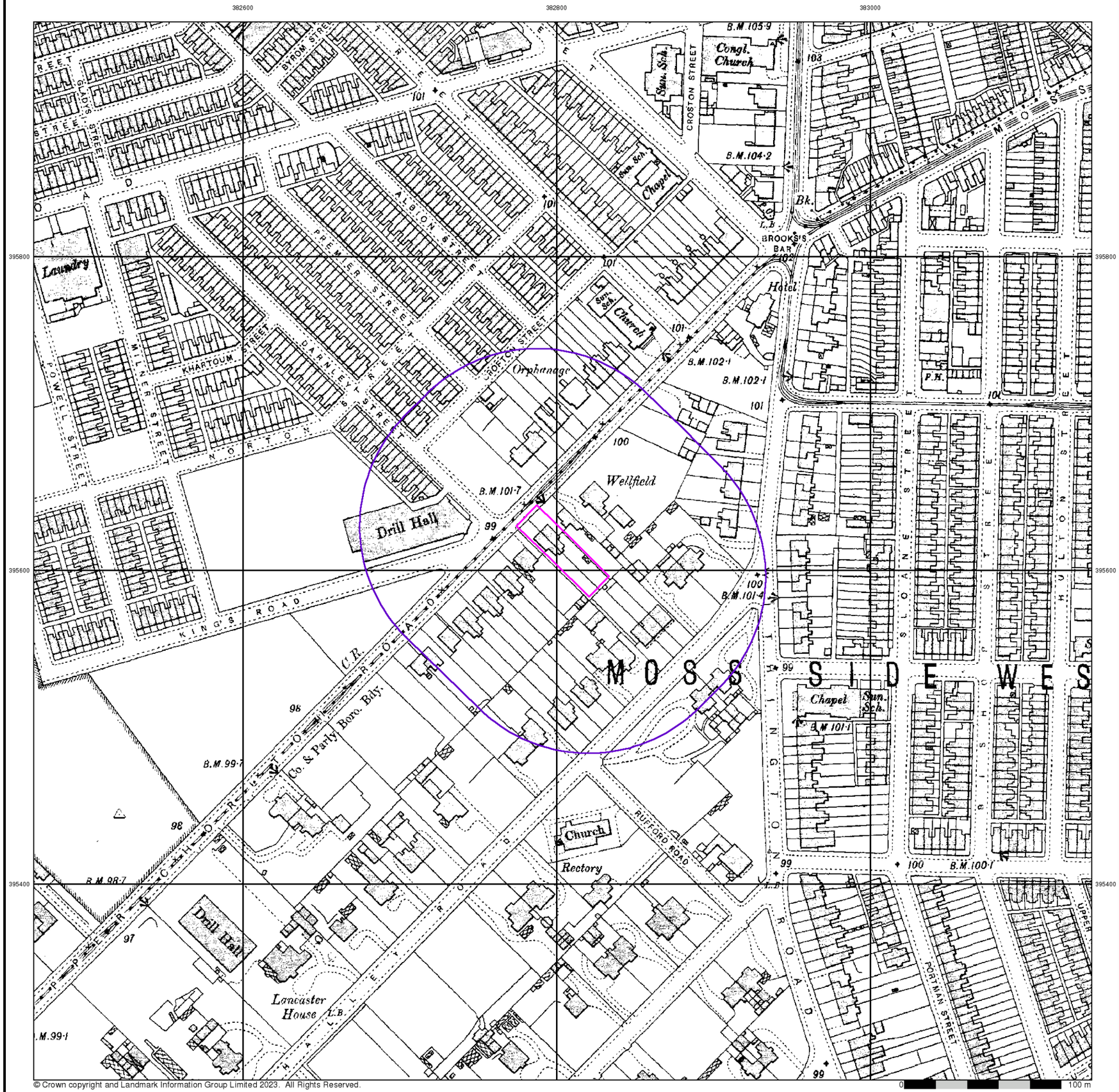
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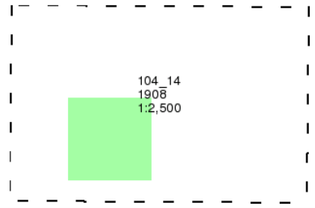
Lancashire And Furness

Published 1908

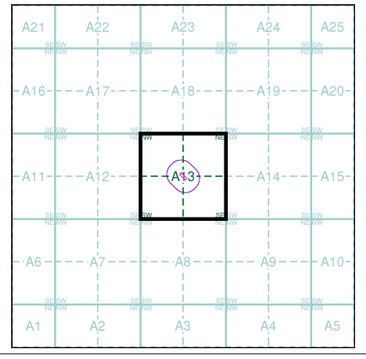
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



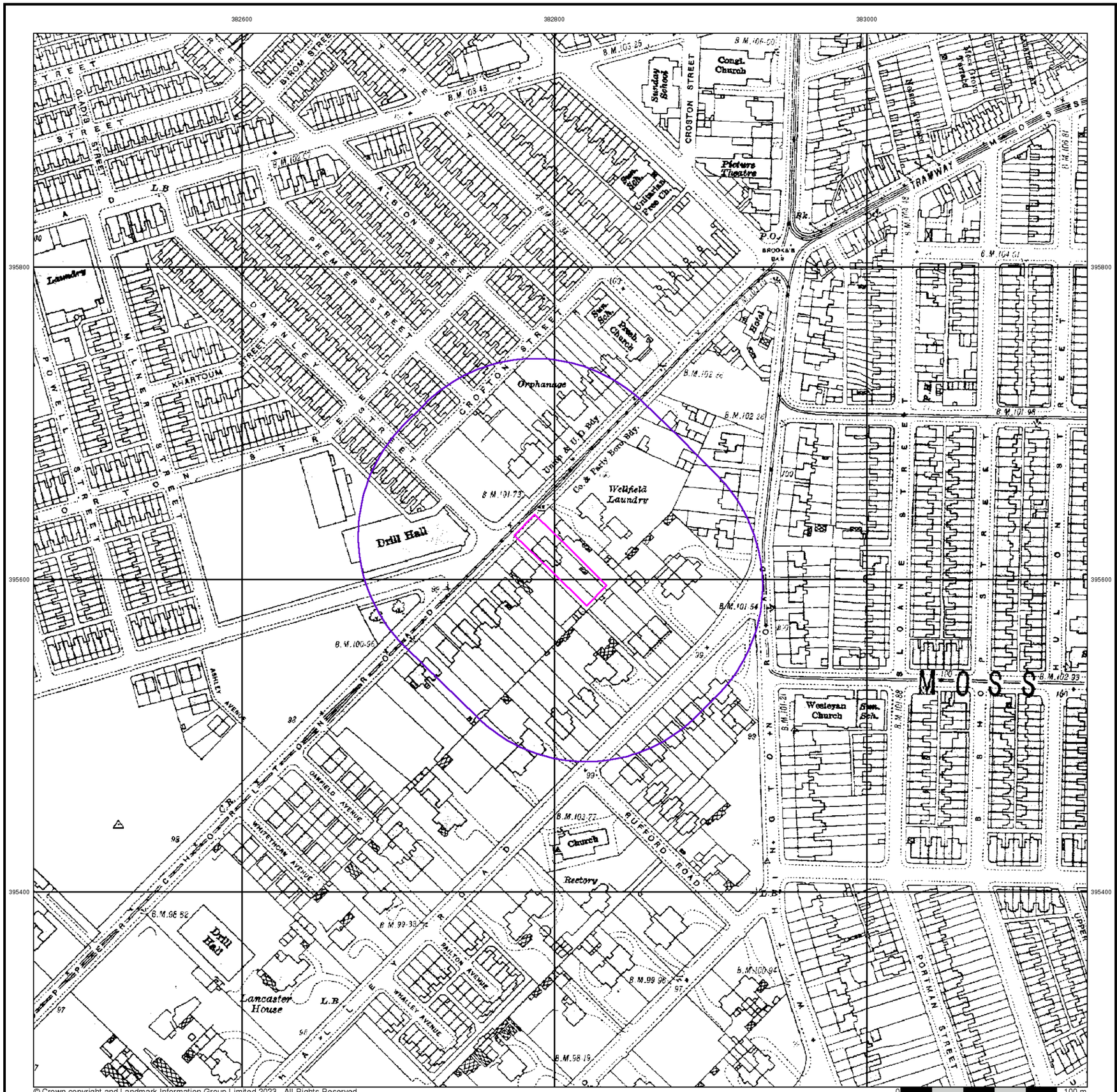
Order Details

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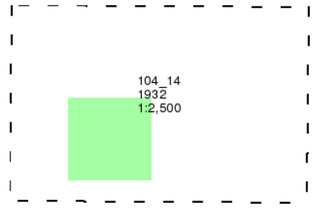
Lancashire And Furness

Published 1932

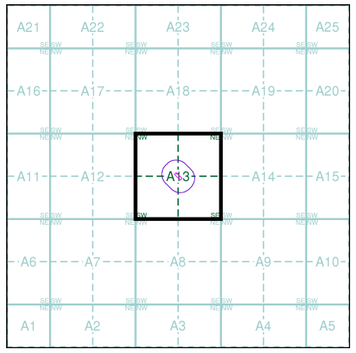
Source map scale - 1:2,500

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



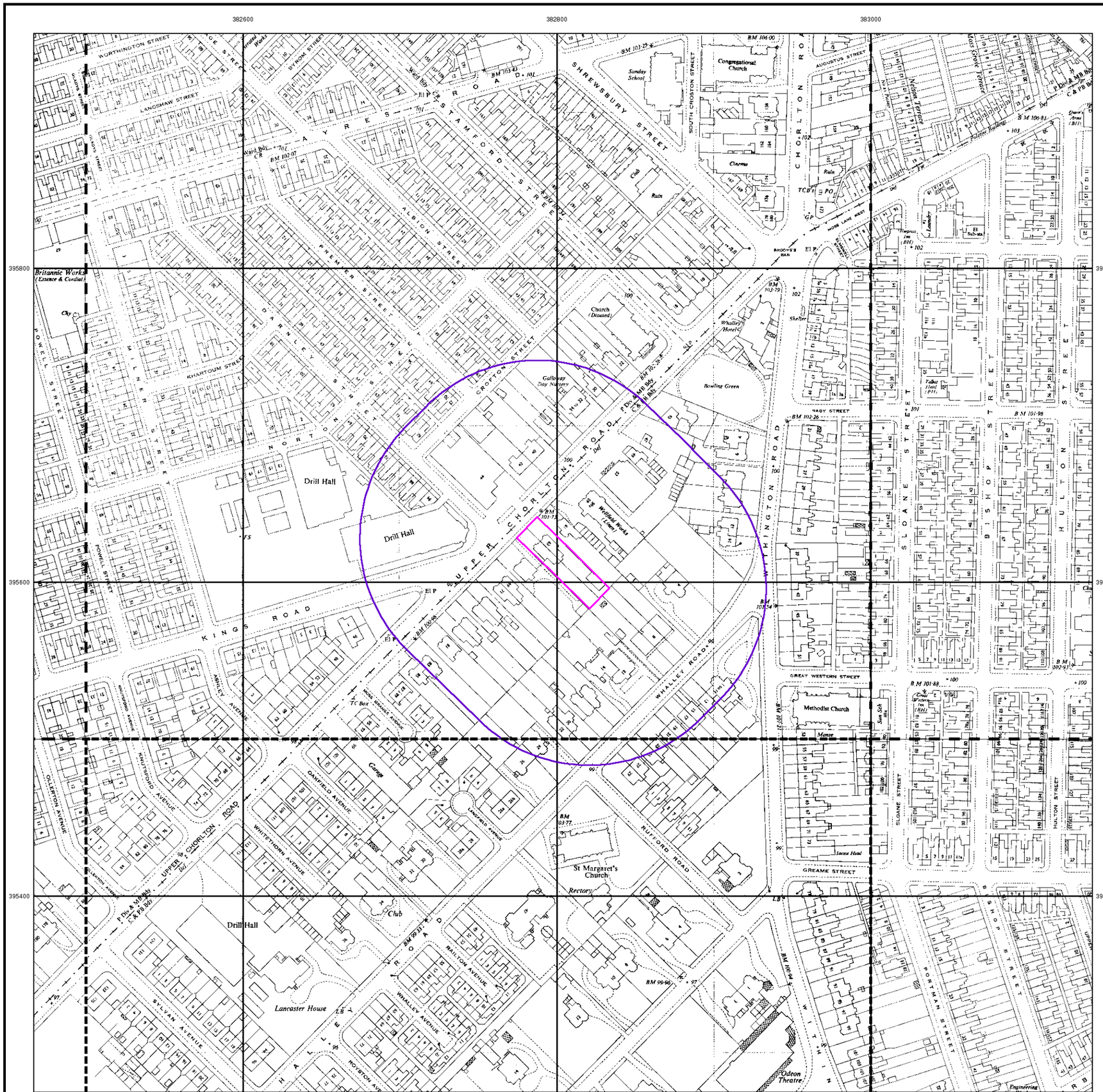
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National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
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Ordnance Survey Plan

Published 1949 - 1950

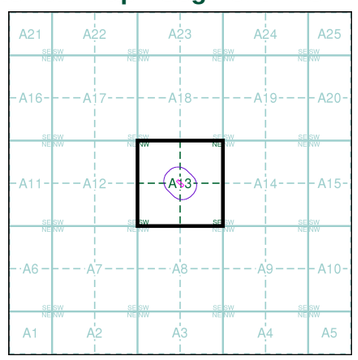
Source map scale - 1:1,250

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)

SJ8295NW 1949 1:1,250	SJ8295NE 1949 1:1,250	SJ8395NW 1950 1:1,250
SJ8295SW 1949 1:1,250	SJ8295SE 1949 1:1,250	SJ8395SW 1950 1:1,250

Historical Map - Segment A13

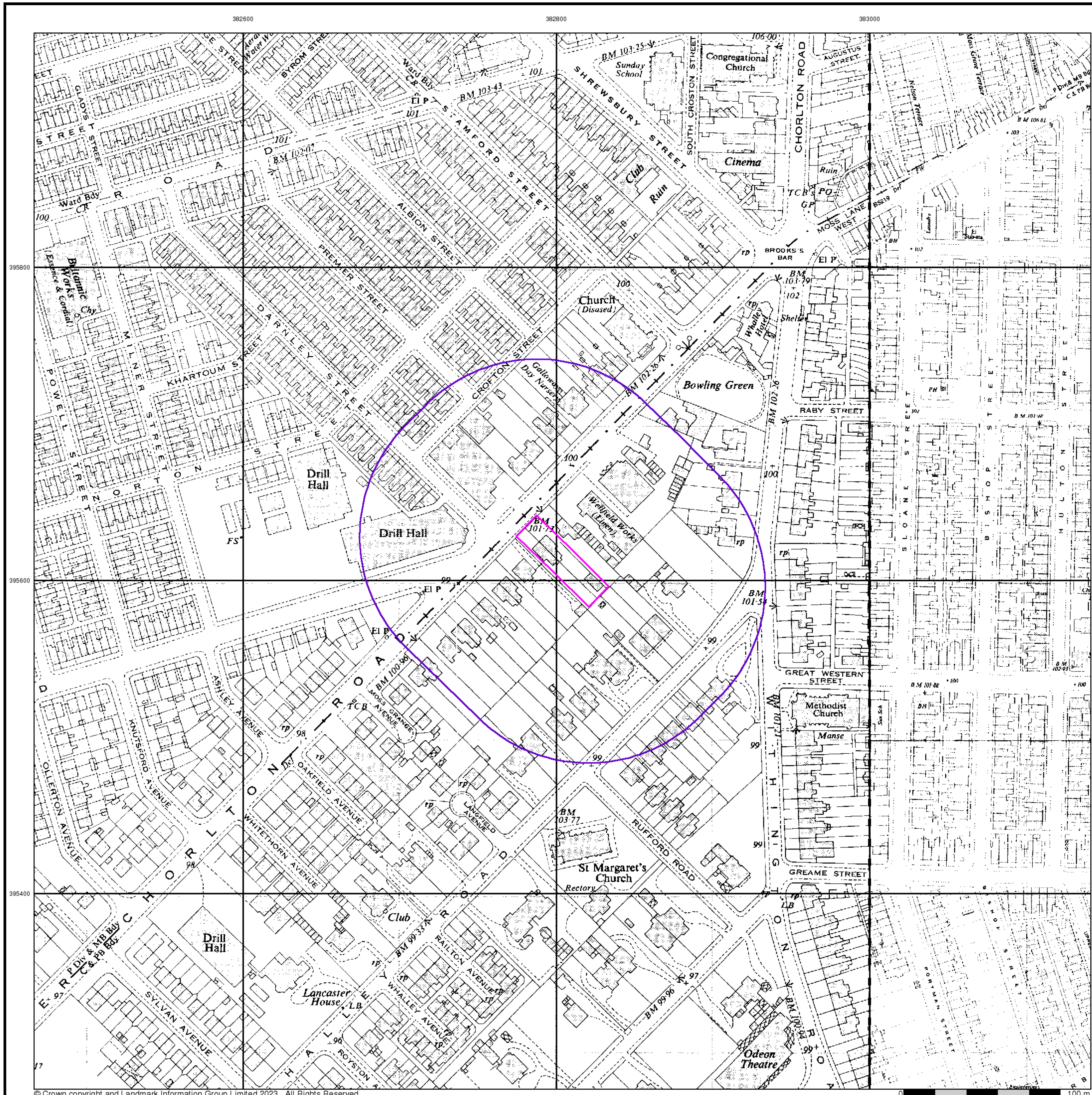


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Site Area (Ha):	0.12
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Site Details

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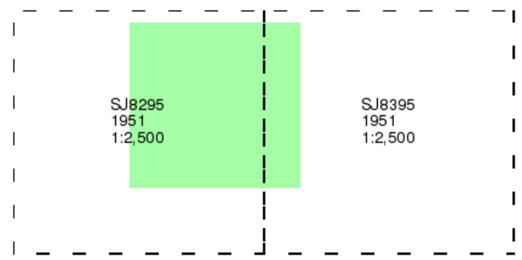
Ordnance Survey Plan

Published 1951

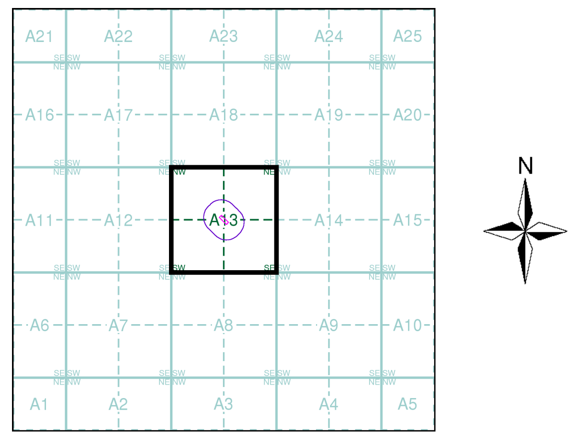
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



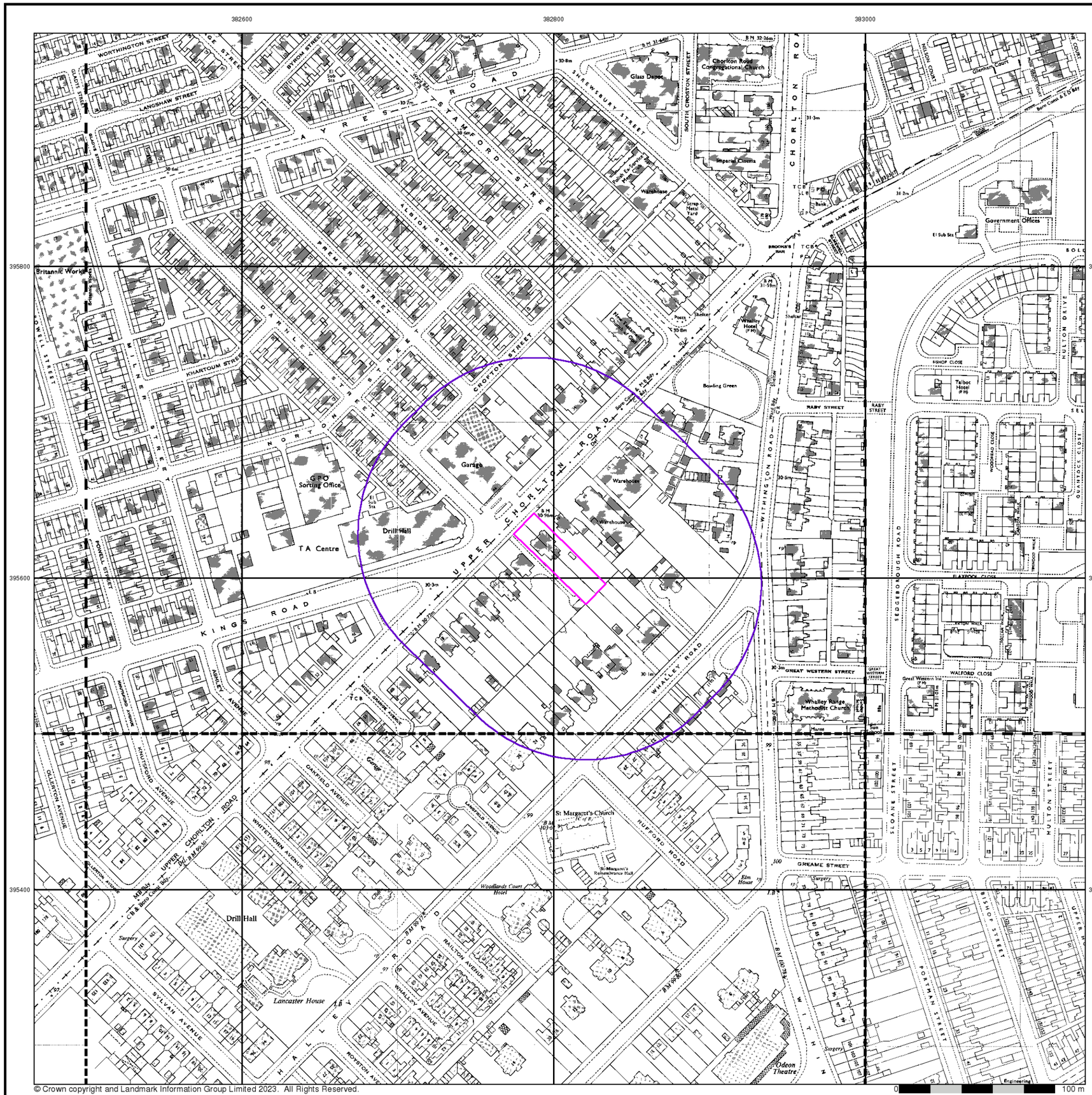
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Search Buffer (m): 100

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Ordnance Survey Plan

Published 1959 - 1977

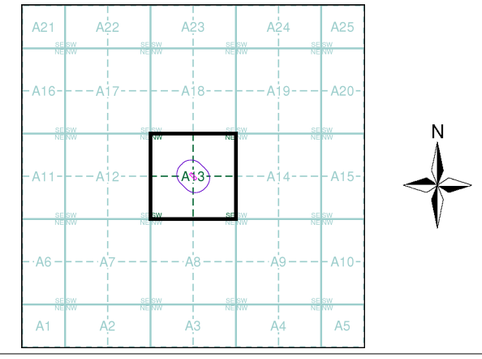
Source map scale - 1:1,250

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)

SJ8295NW 1972 1:1,250	SJ8295NE 1972 1:1,250	SJ8395NW 1977 1:1,250
SJ8295SW 1959 1:1,250	SJ8295SE 1960 1:1,250	SJ8395SW 1973 1:1,250

Historical Map - Segment A13



Order Details

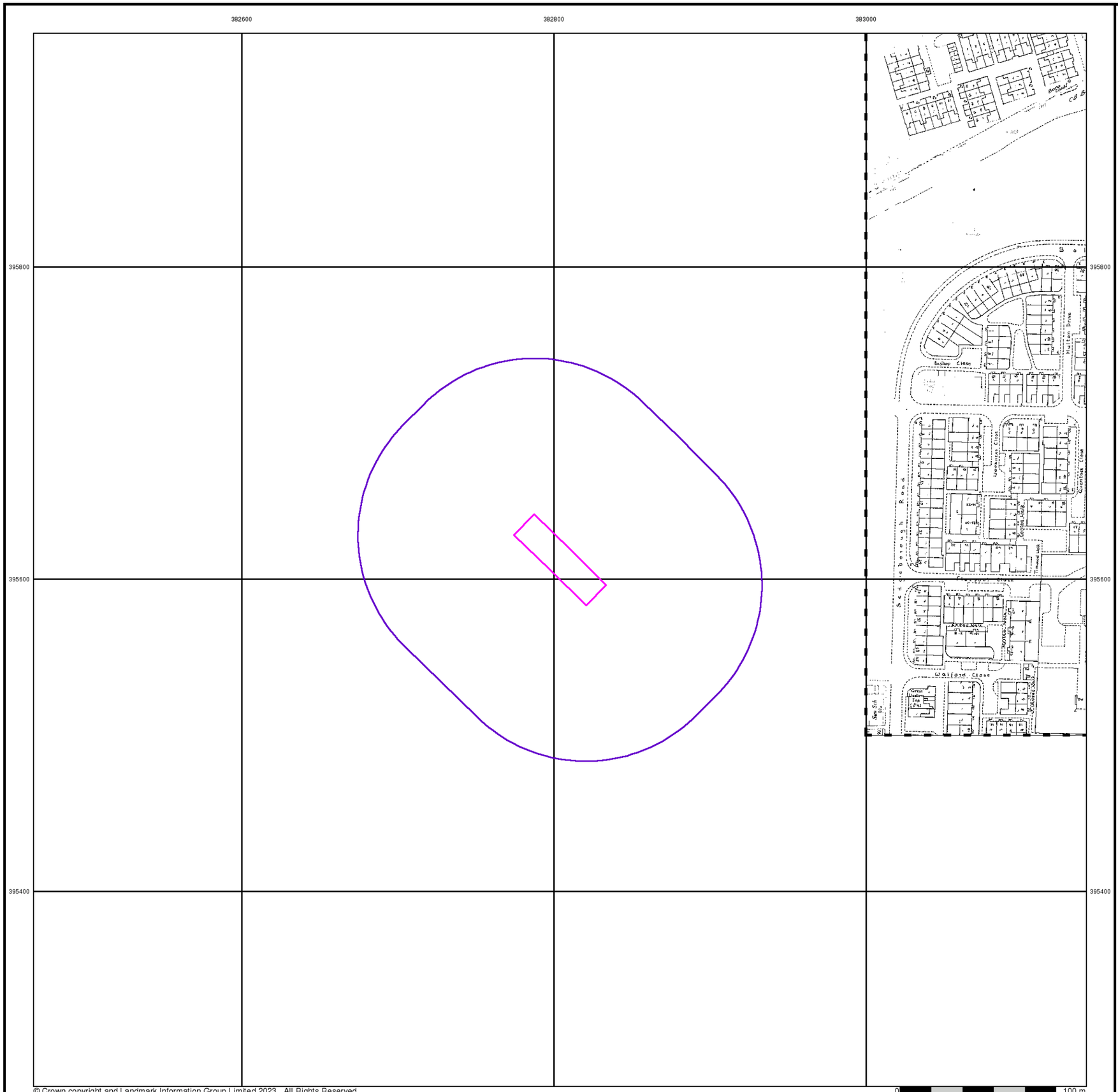
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Search Buffer (m):	100

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0 100 m

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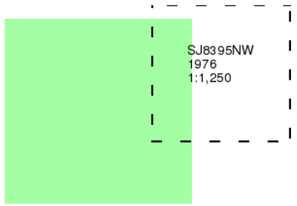
Supply of Unpublished Survey Information

Published 1976

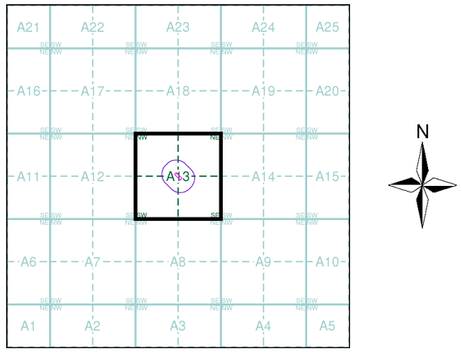
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	100

Site Details

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Additional SIMs

Published 1978 - 1989

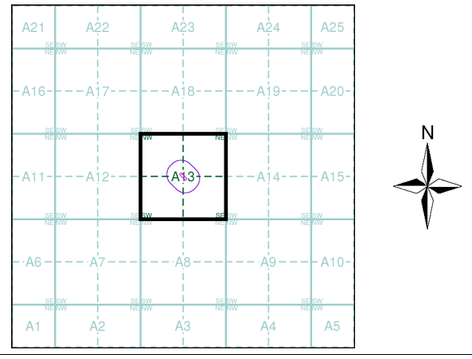
Source map scale - 1:1,250

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)

SJ8295NW 1989 1:1,250	SJ8295NE 1981 1:1,250	SJ8395NW 1978 1:1,250
SJ8295SW 1980 1:1,250	SJ8295SE 1978 1:1,250	SJ8395SW 1978 1:1,250

Historical Map - Segment A13

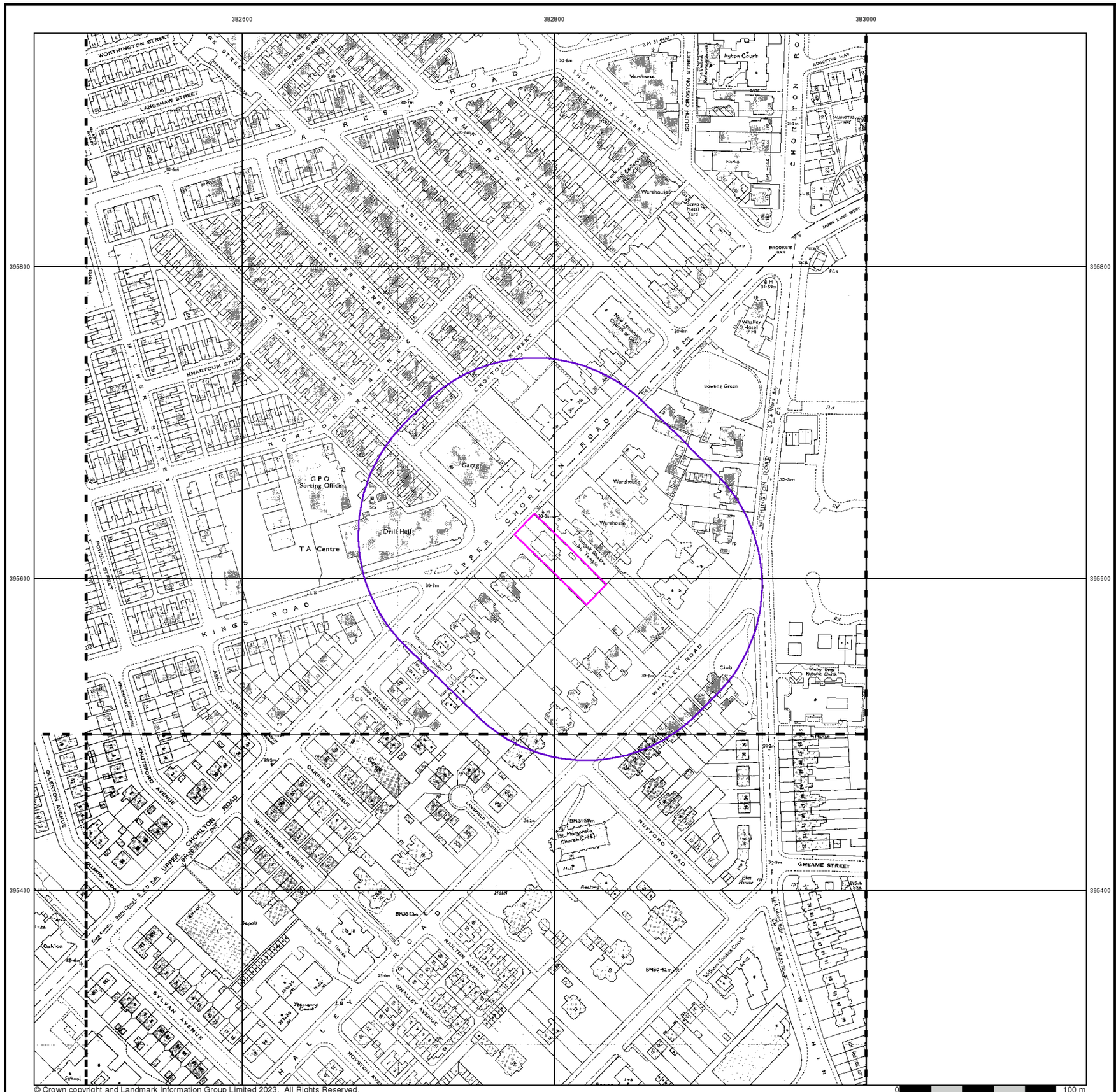


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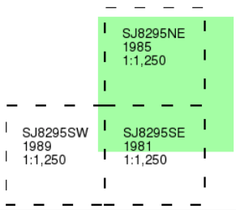
Additional SIMs

Published 1981 - 1989

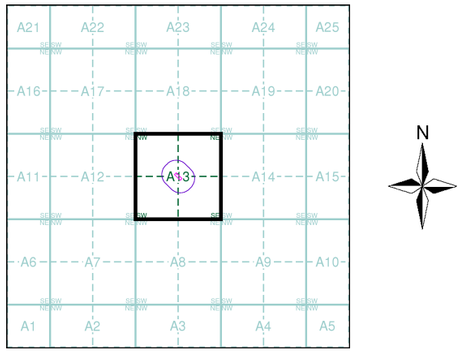
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



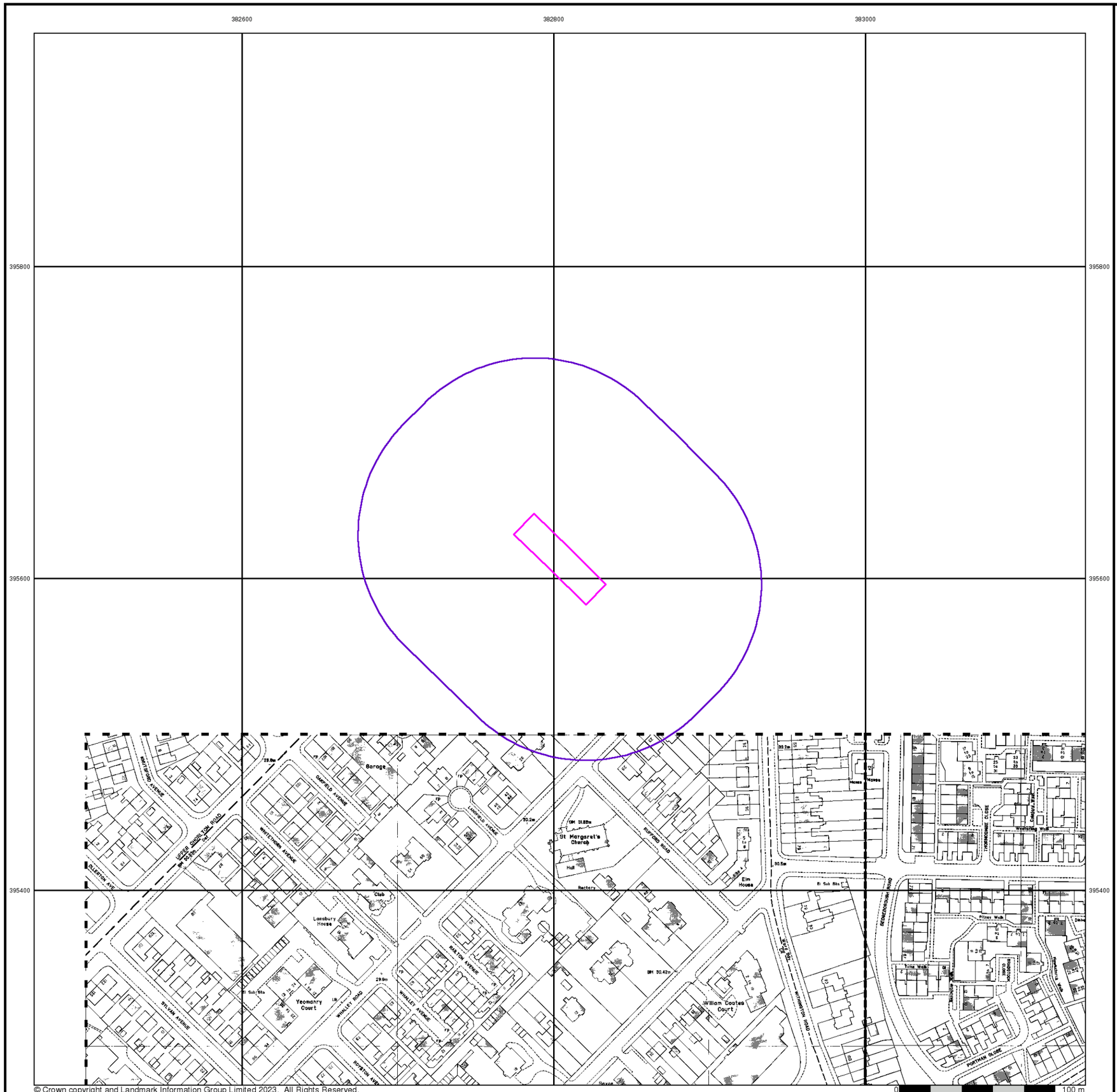
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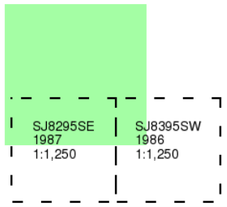
Ordnance Survey Plan

Published 1986 - 1987

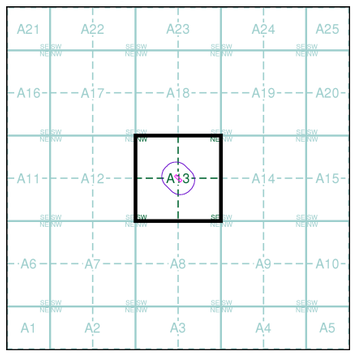
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



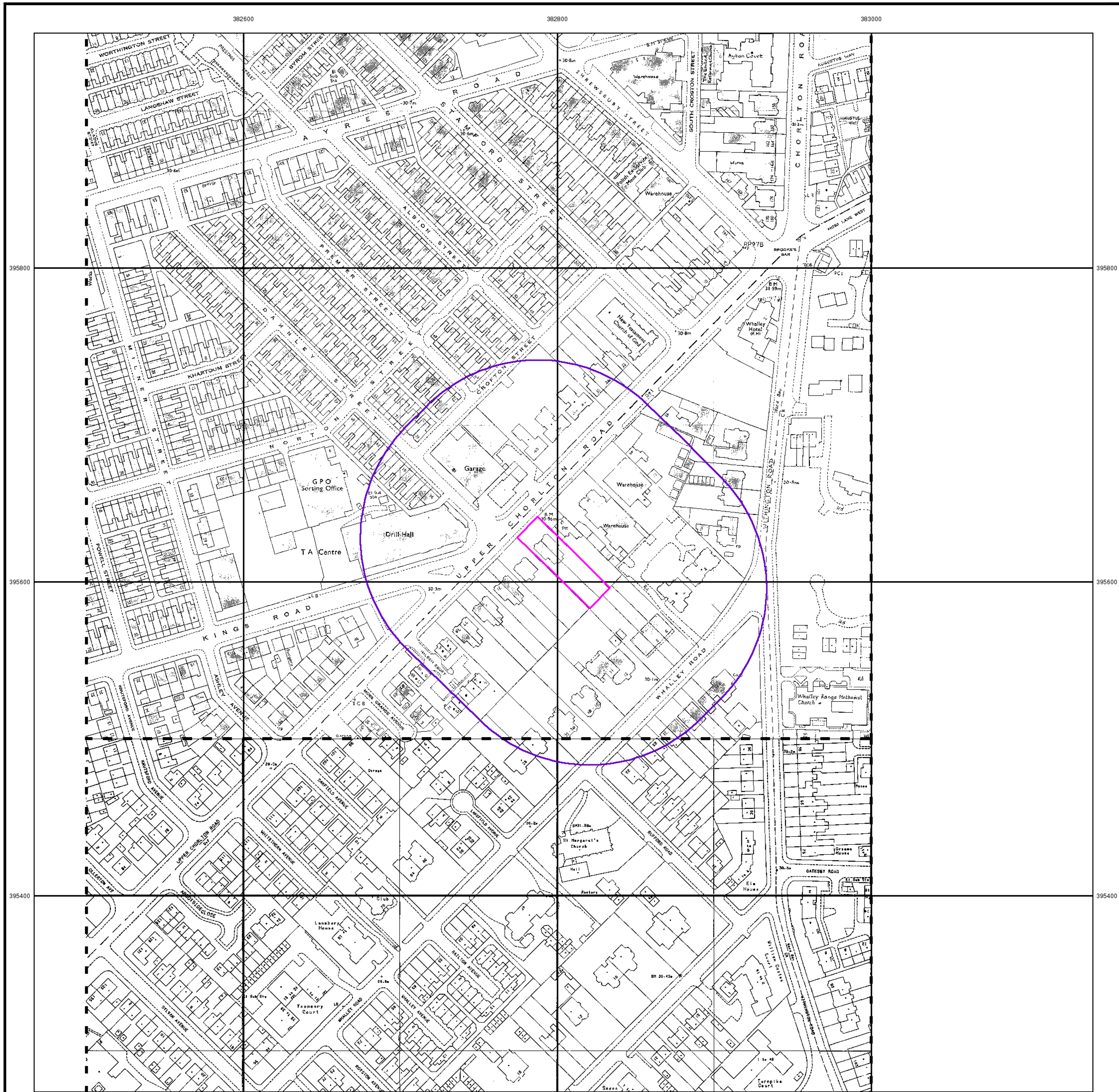
Order Details

Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	100

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ

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



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0 100 m

LK GROUP

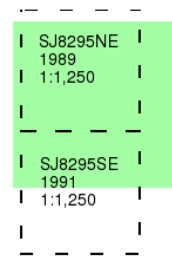
Additional SIMs

Published 1989 - 1991

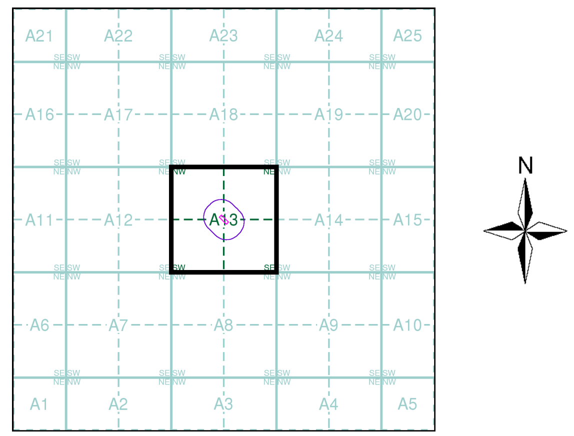
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

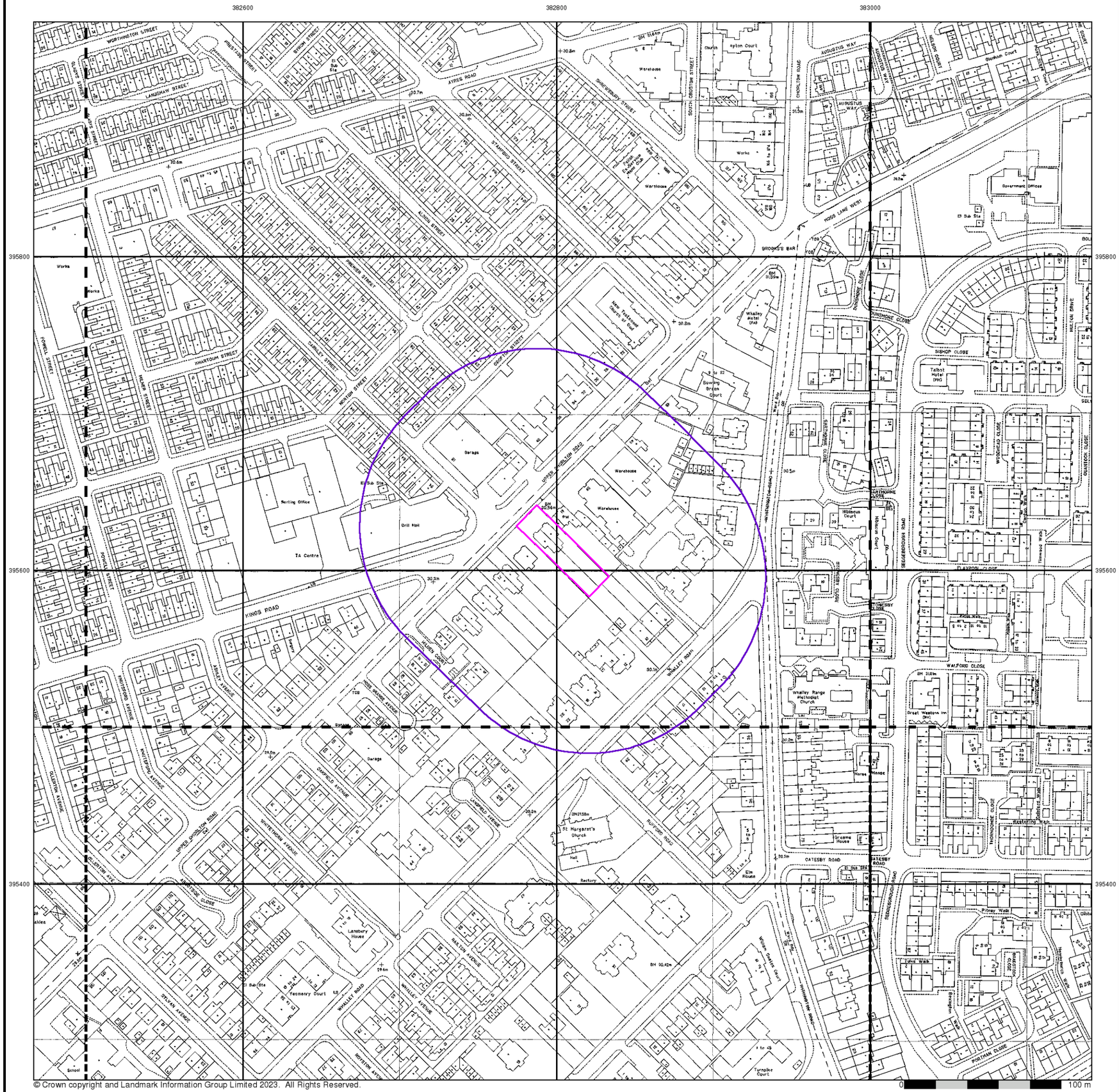


Order Details

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Site Details

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Large-Scale National Grid Data

Published 1992

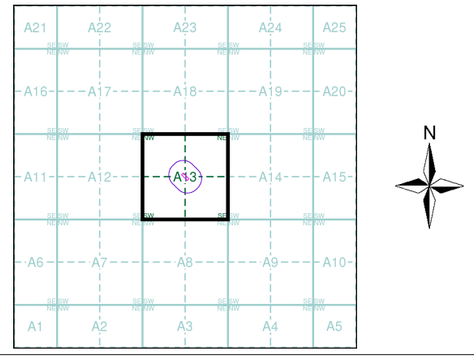
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8295NW 1992 1:1,250	SJ8295NE 1992 1:1,250	SJ8395NW 1992 1:1,250
SJ8295SW 1992 1:1,250	SJ8295SE 1992 1:1,250	SJ8395SW 1992 1:1,250

Historical Map - Segment A13



Order Details

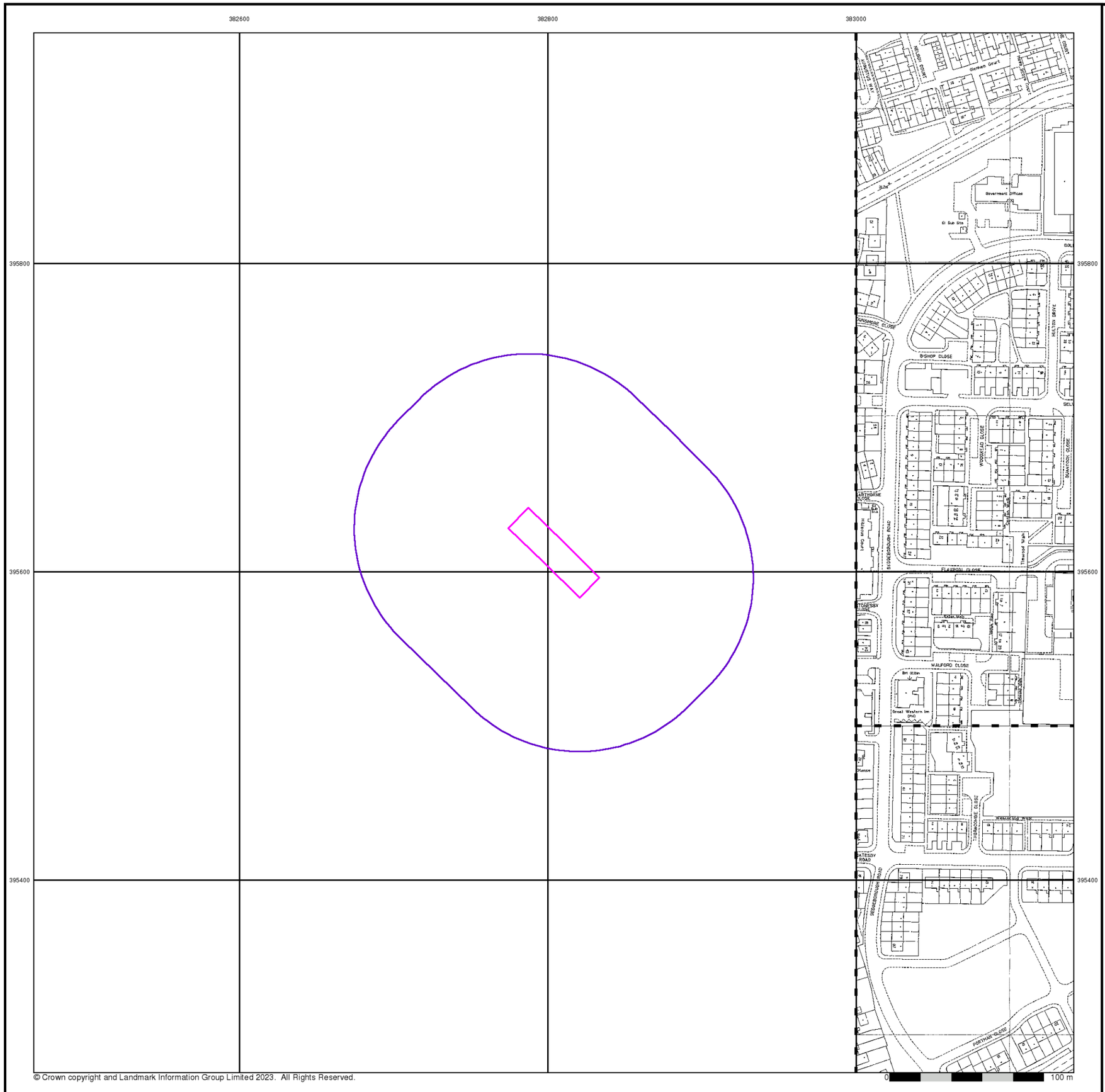
Order Number:	313479002_1_1
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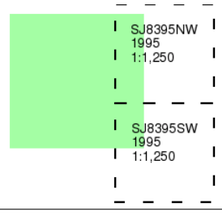
Large-Scale National Grid Data

Published 1995

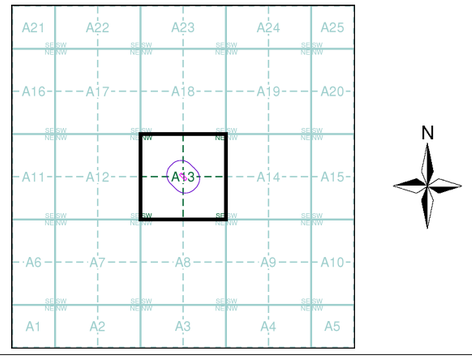
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



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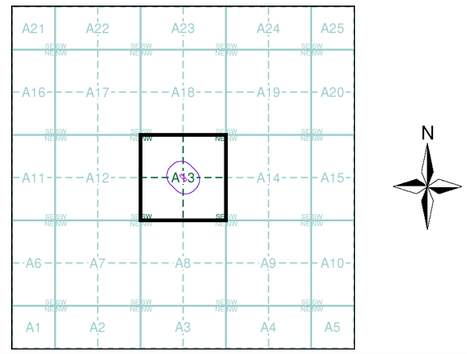


Historical Aerial Photography

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

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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

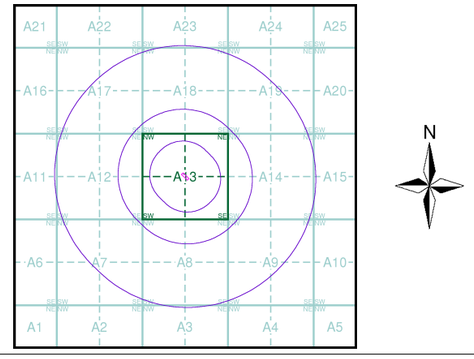
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

LKC GROUP

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894 - 1896	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1908 - 1909	7
Cheshire	1:10,560	1911	8
Lancashire And Furness	1:10,560	1923	9
Lancashire And Furness	1:10,560	1932 - 1934	10
Lancashire And Furness	1:10,560	1938	11
Cheshire	1:10,560	1938	12
Ordnance Survey Plan	1:10,000	1955 - 1956	13
Ordnance Survey Plan	1:10,000	1966	14
Ordnance Survey Plan	1:10,000	1972	15
Manchester	1:25,000	1975	16
Ordnance Survey Plan	1:10,000	1980 - 1981	17
Ordnance Survey Plan	1:10,000	1985 - 1989	18
Ordnance Survey Plan	1:10,000	1989	19
Ordnance Survey Plan	1:10,000	1994	20
10K Raster Mapping	1:10,000	1999	21
10K Raster Mapping	1:10,000	2006	22
VectorMap Local	1:10,000	2023	23

Historical Map - Slice A



Order Details

Order Number: 313479002_1_1
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National Grid Reference: 382800, 395610
Slice: A
Site Area (Ha): 0.12
Search Buffer (m): 1000

Site Details

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Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Fireproof Building
- Prominent Fireproof Building
- Non-fireproof Building
- Non-fireproof Building (non-dwelling)
- Factory, mill, and flour mill, with chimneys
- Factory, mill, and flour mill, without chimneys
- Power Station, drawn to scale
- Hydroelectric Power Station
- Radio Station, drawn to scale
- Telephone Station, drawn to scale
- Abandoned Open-pit Mine or Quarry
- Open-pit Salt Mine
- Pit
- Oil Deposit or Well
- Oil Seepage
- Tailings Pile
- Fuel Storage Tanks
- Natural Gas Tank
- Bench Mark
- Drill Hole
- Burial Mound
- Triangulation Point on Burial Mound
- Single-track Railroad
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation

243,8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 Velocity of the current, width of river bed, depth of river

Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	ъ (–)
Д д (D)	Л л (L)	У у (U)	ы (Y)
Е е (E)	М м (M)	Ф ф (F)	ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Partly Demolished Buildings
- Demolished Buildings
- Built-Up Area with Fireproof Buildings Predominant
- Built-Up Area with Non-Fireproof Buildings Predominant
- Individual Fireproof Building
- Prominent Industrial Building
- Individual Dwelling, Fireproof
- Ruins of an Individual Dwelling
- Factory or Mill Chimney
- Factory or Mill with Chimney
- Factory or Mill without Chimney
- Mine or Open Pit Mine
- Operating Shaft or Mine
- Non-Operating Shaft or Mine
- Salt Mine
- Tailings Pile
- Pit
- Stone Quarry
- Gas Pump or Service Station
- Fuel Storage or Natural Gas Tank
- Oil or Natural Gas Derrick
- Small Hydroelectric Power Station
- Power Station
- Transformer Station
- Cemetery
- Burial Mound (height in metres)
- Triangulation Point on Burial Mound
- Triangulation Point
- Bench Mark
- Bench Mark (monumented)
- Telegraph Office
- Telephone Station
- Radio Station
- Radio Tower
- Airfield or Seaplane Base
- Landing Strip
- Main Highway
- Highway under Construction
- Improved Dirt Road (former truck road)
- Double-track Railroad with First Class Station
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment
- 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

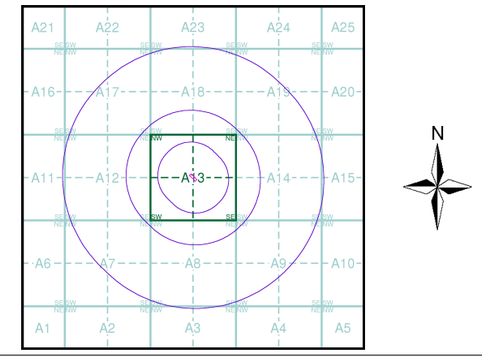
Key to Numbers on Mapping

LKC GROUP

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894 - 1896	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1908 - 1909	7
Cheshire	1:10,560	1911	8
Lancashire And Furness	1:10,560	1923	9
Lancashire And Furness	1:10,560	1932 - 1934	10
Lancashire And Furness	1:10,560	1938	11
Cheshire	1:10,560	1938	12
Ordnance Survey Plan	1:10,000	1955 - 1956	13
Ordnance Survey Plan	1:10,000	1966	14
Ordnance Survey Plan	1:10,000	1972	15
Manchester	1:25,000	1975	16
Ordnance Survey Plan	1:10,000	1980 - 1981	17
Ordnance Survey Plan	1:10,000	1985 - 1989	18
Ordnance Survey Plan	1:10,000	1989	19
Ordnance Survey Plan	1:10,000	1994	20
10K Raster Mapping	1:10,000	1999	21
10K Raster Mapping	1:10,000	2006	22
VectorMap Local	1:10,000	2023	23

Russian Map - Slice A



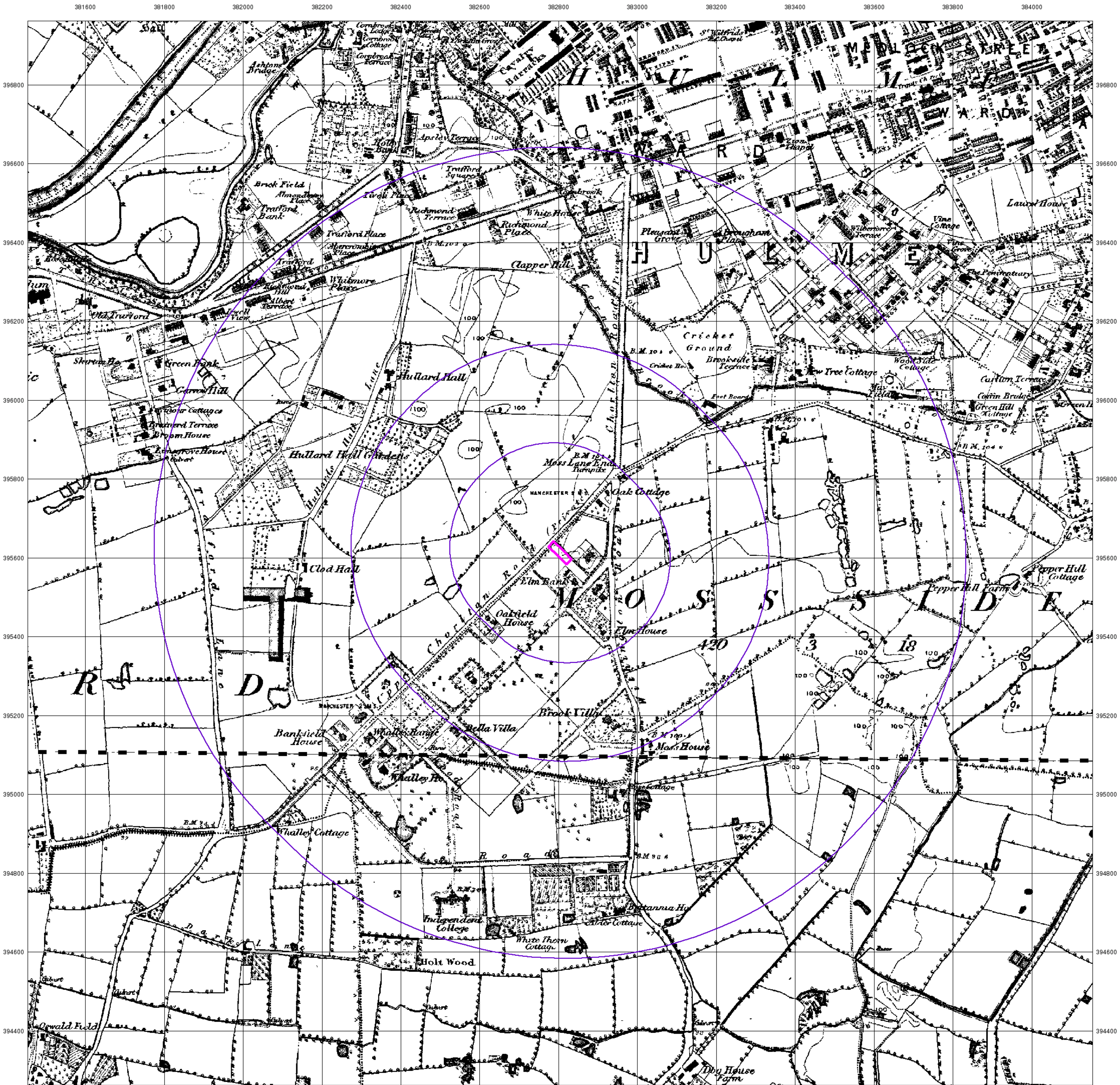
Order Details

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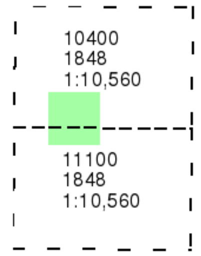
Lancashire And Furness

Published 1848

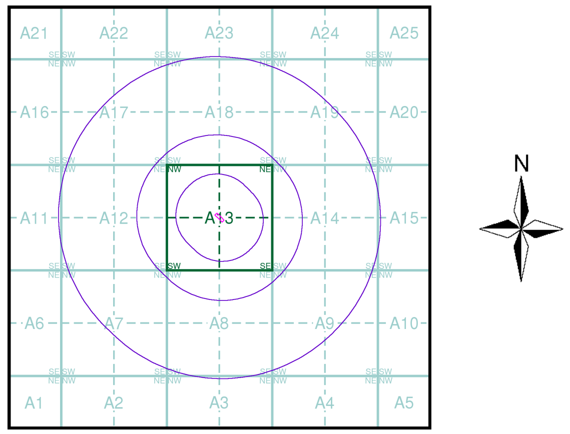
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

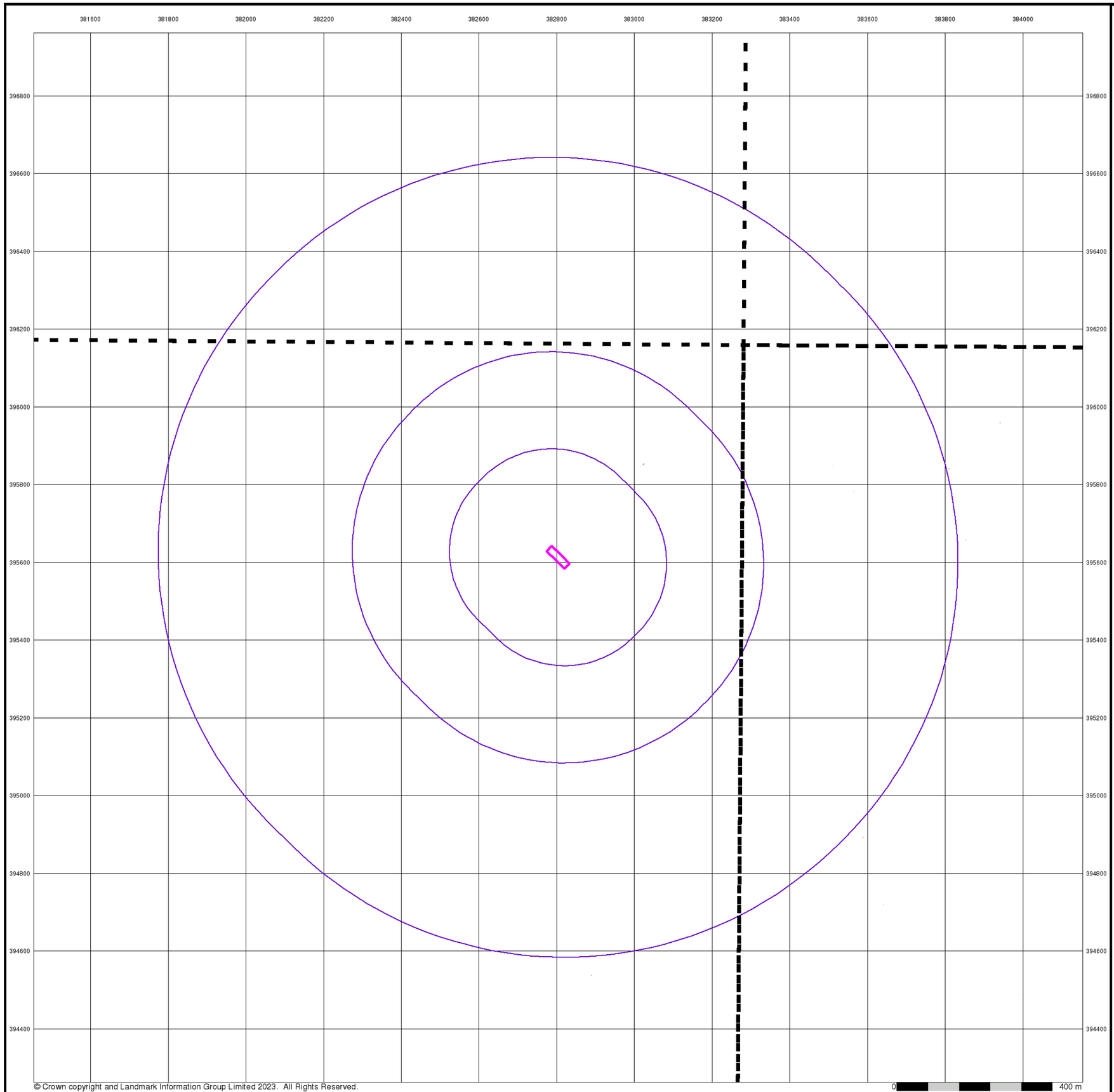
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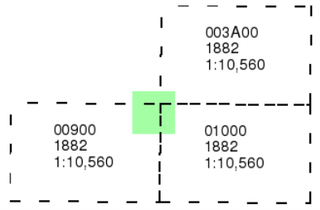
Cheshire

Published 1882

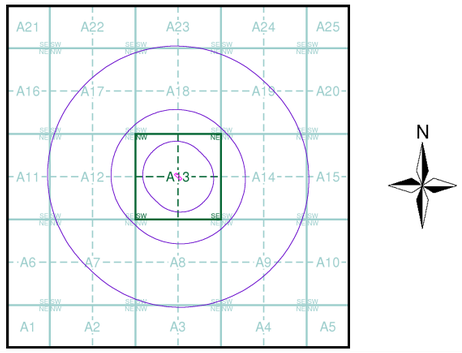
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Map Name(s) and Date(s)



Historical Map - Slice A



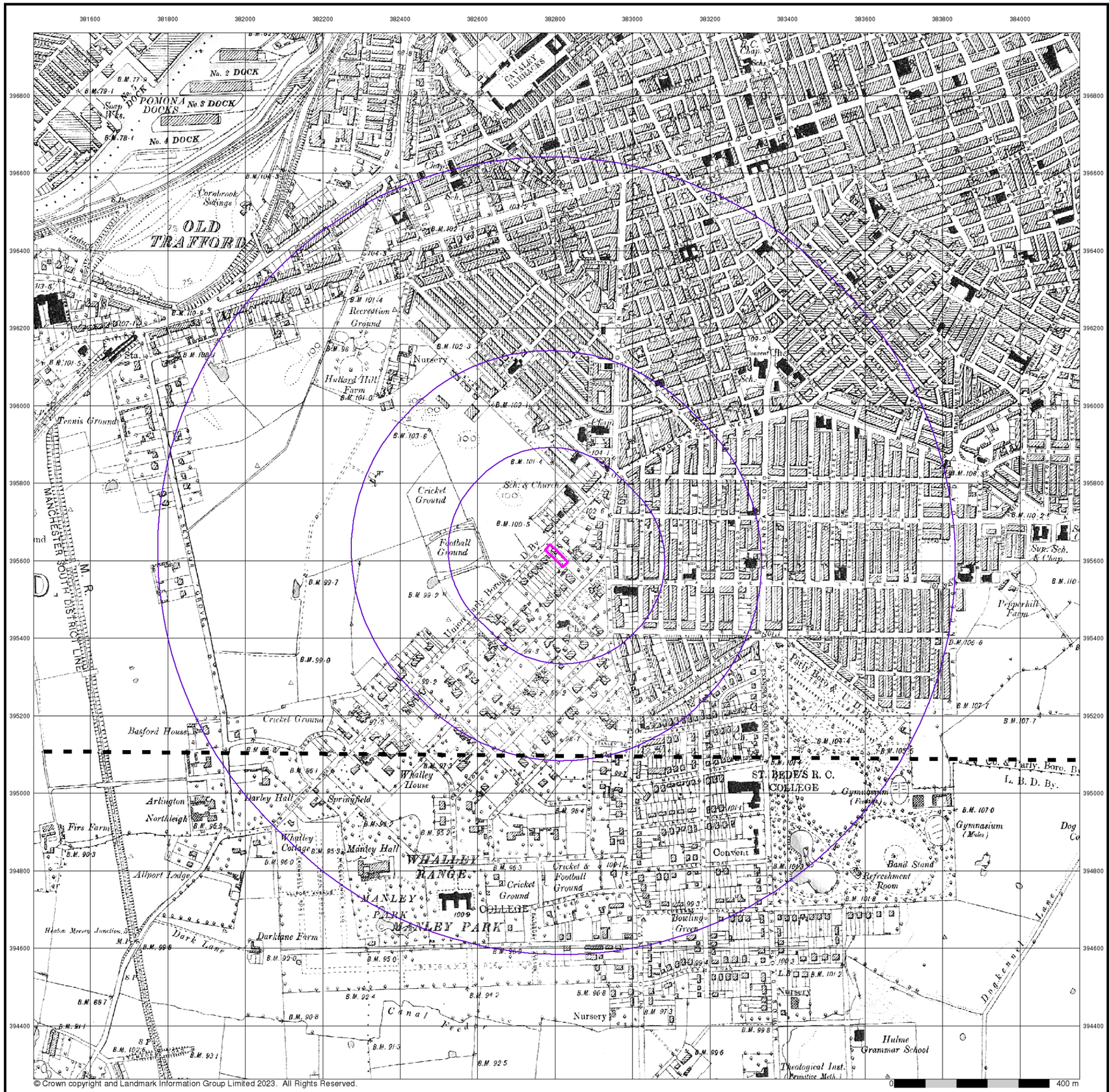
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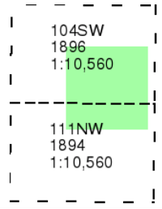
Lancashire And Furness

Published 1894 - 1896

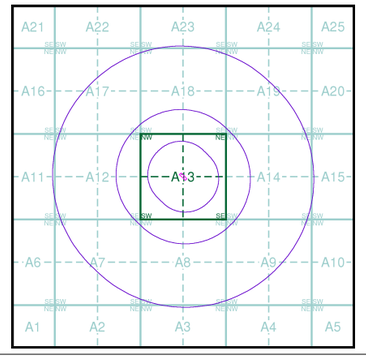
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



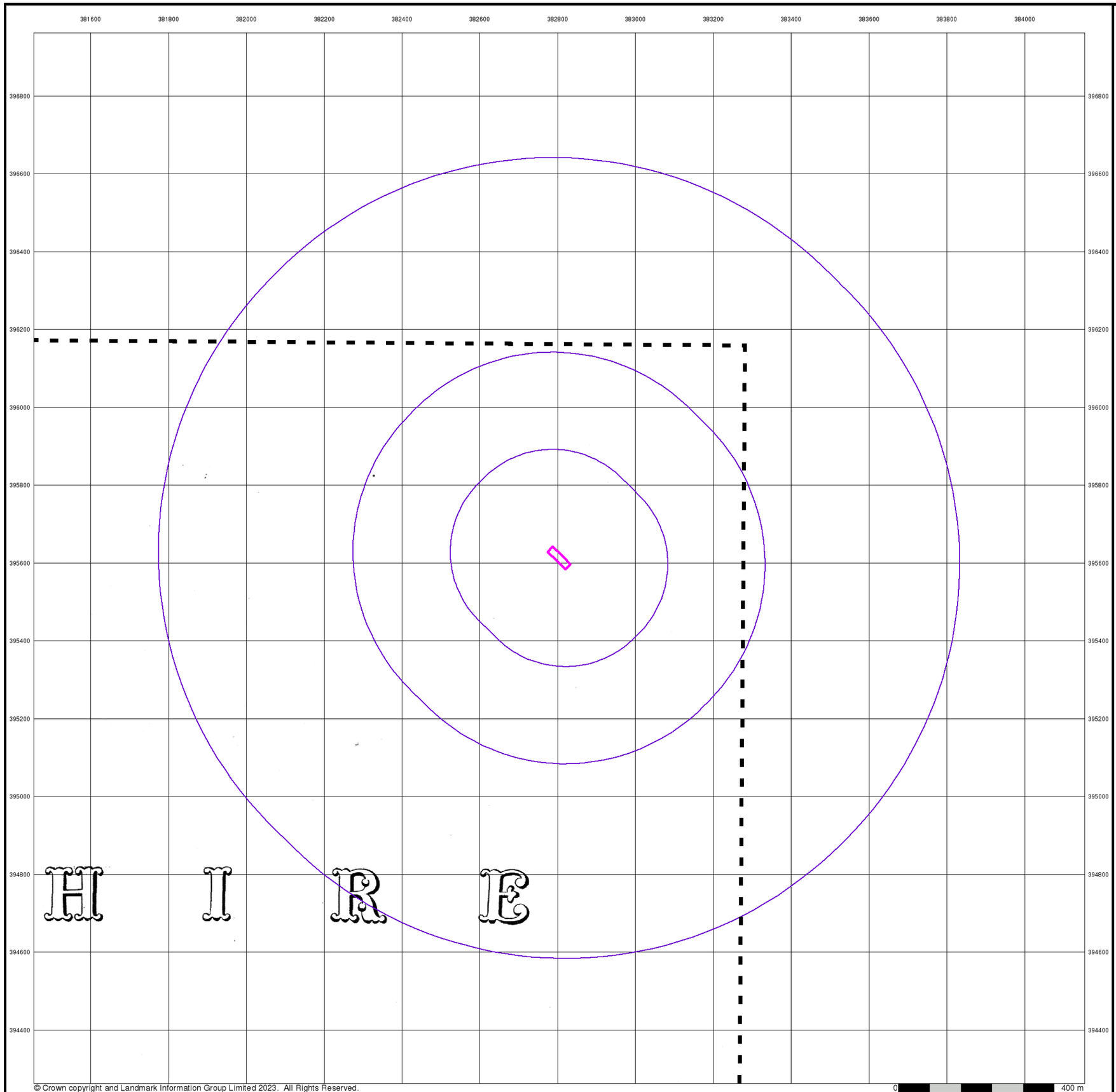
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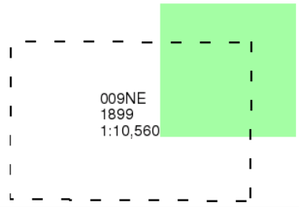
Cheshire

Published 1899

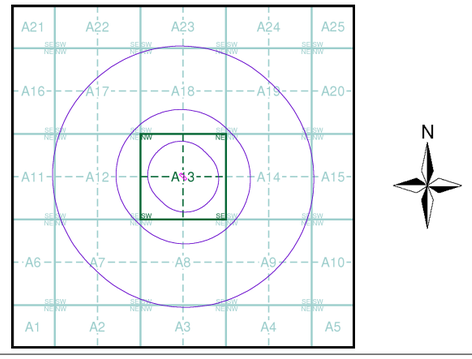
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Map Name(s) and Date(s)



Historical Map - Slice A



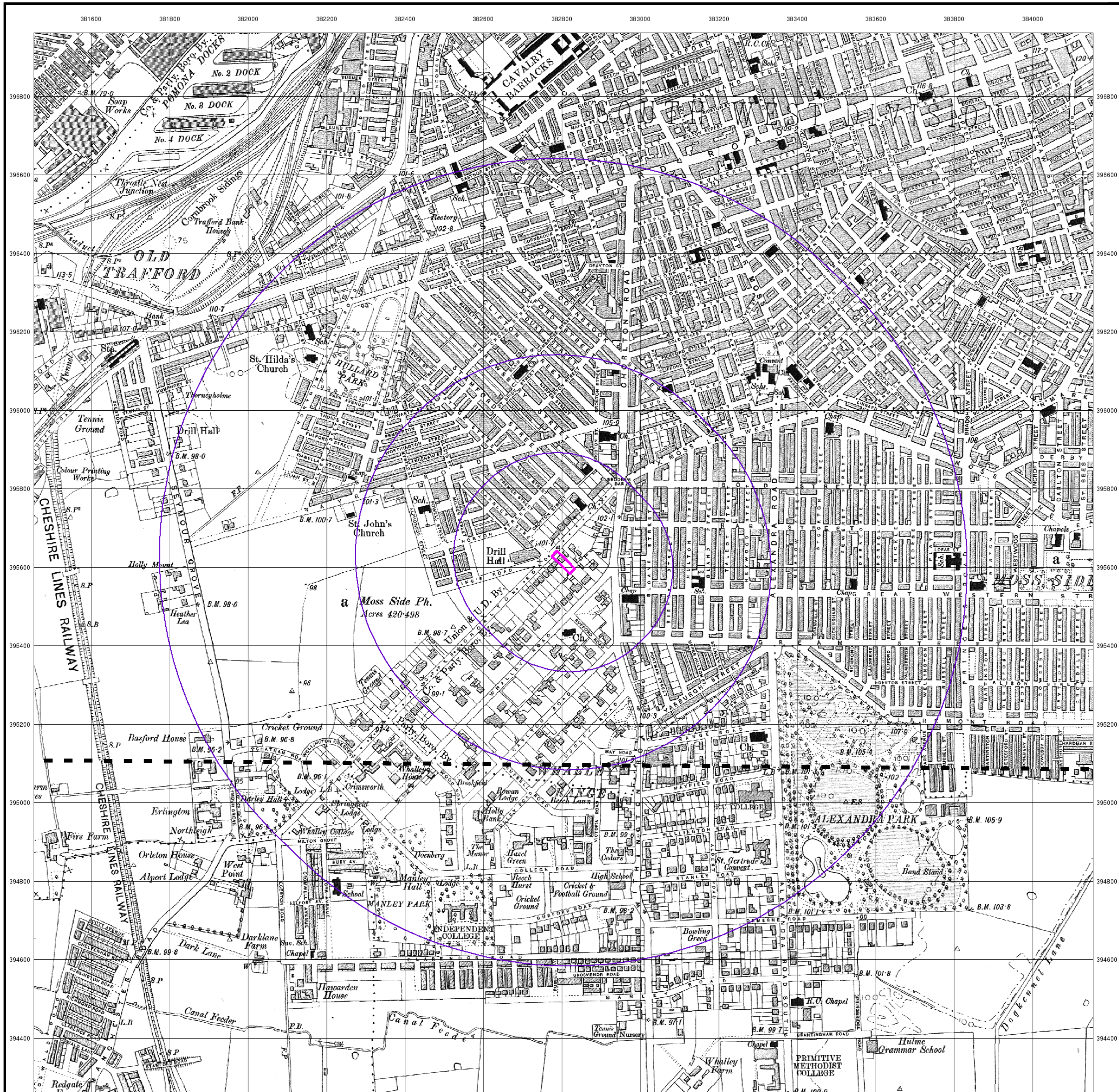
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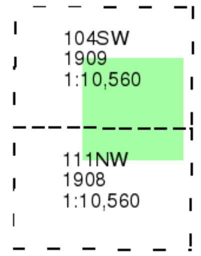
Lancashire And Furness

Published 1908 - 1909

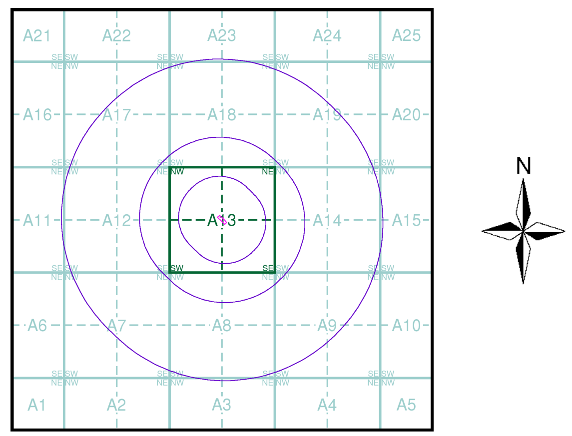
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Map Name(s) and Date(s)



Historical Map - Slice A



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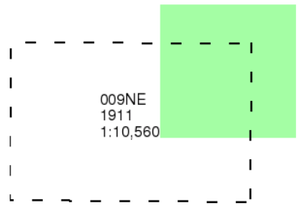
Cheshire

Published 1911

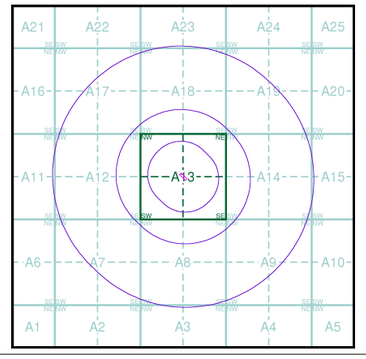
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Map Name(s) and Date(s)



Historical Map - Slice A



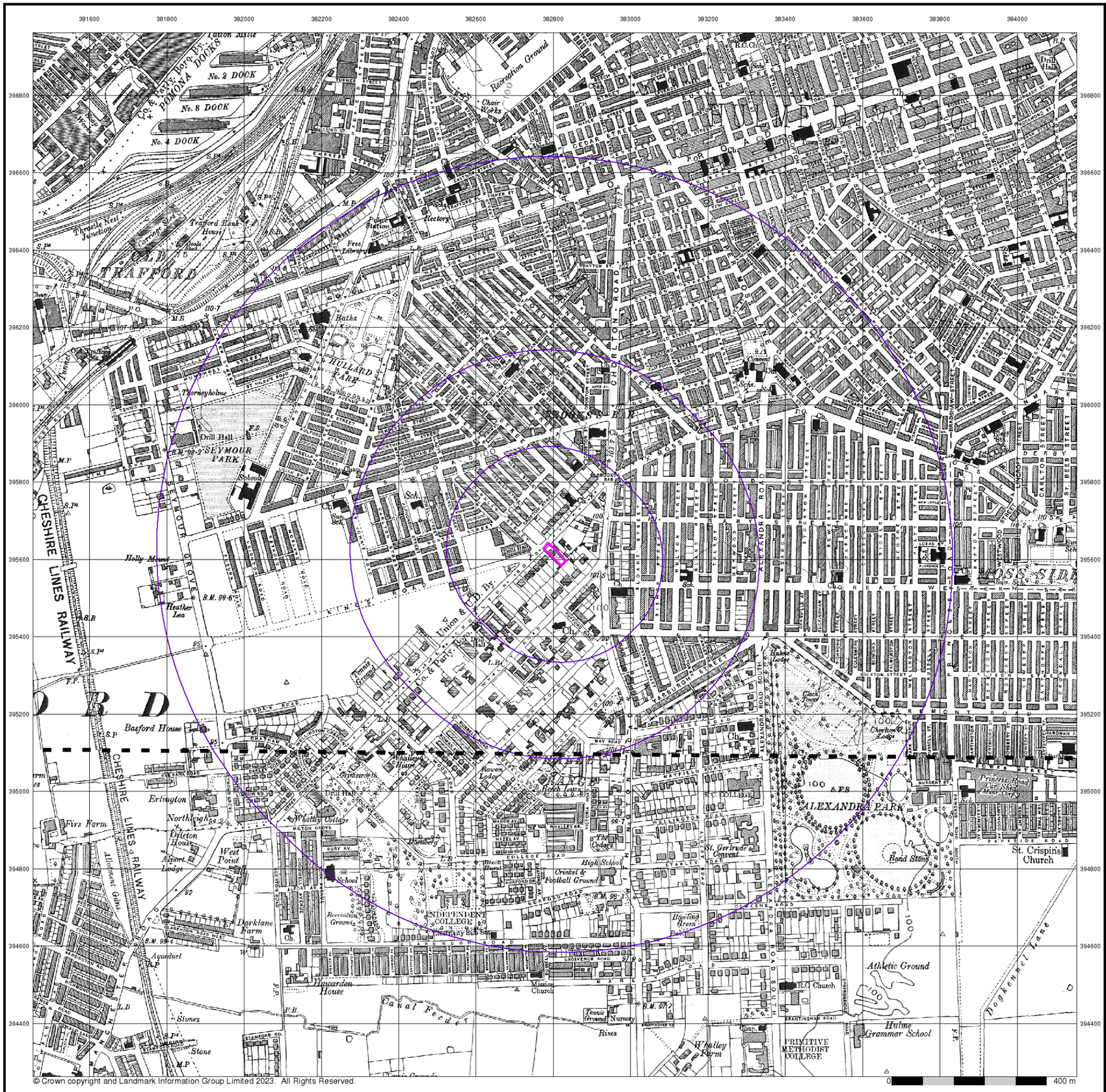
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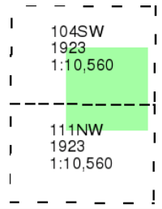
Lancashire And Furness

Published 1923

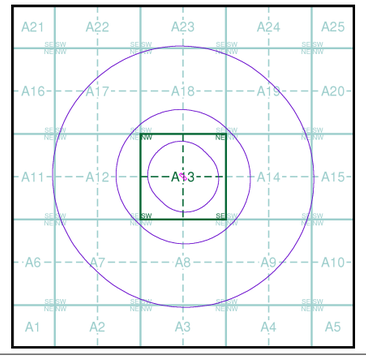
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



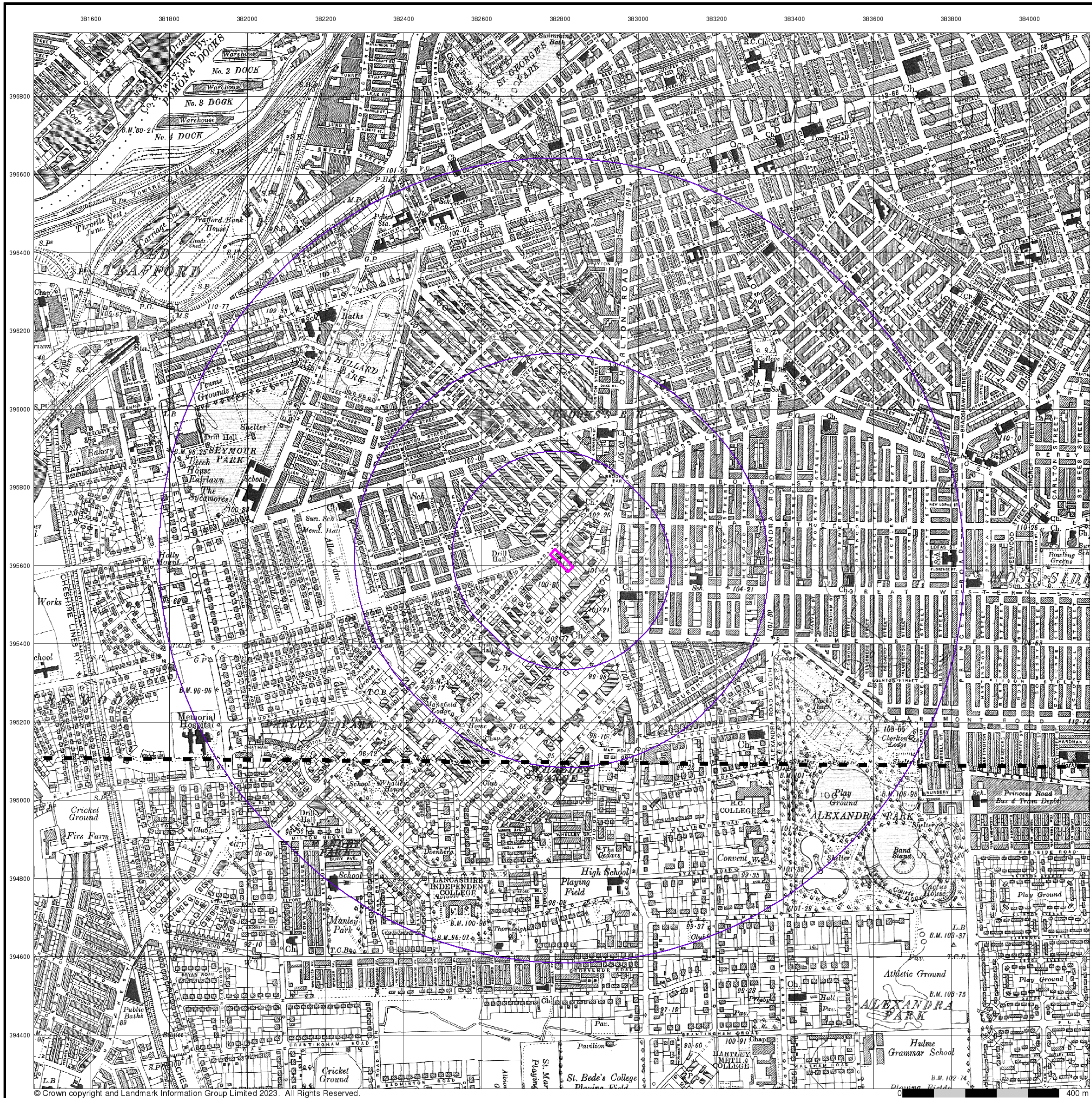
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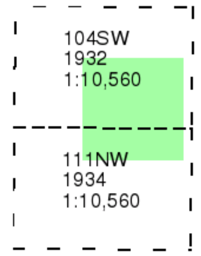
Lancashire And Furness

Published 1932 - 1934

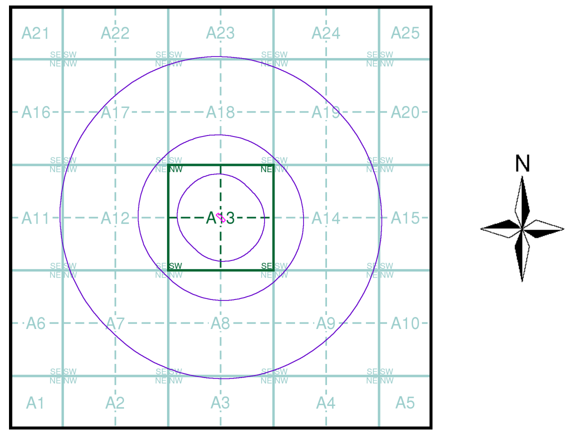
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Map Name(s) and Date(s)



Historical Map - Slice A



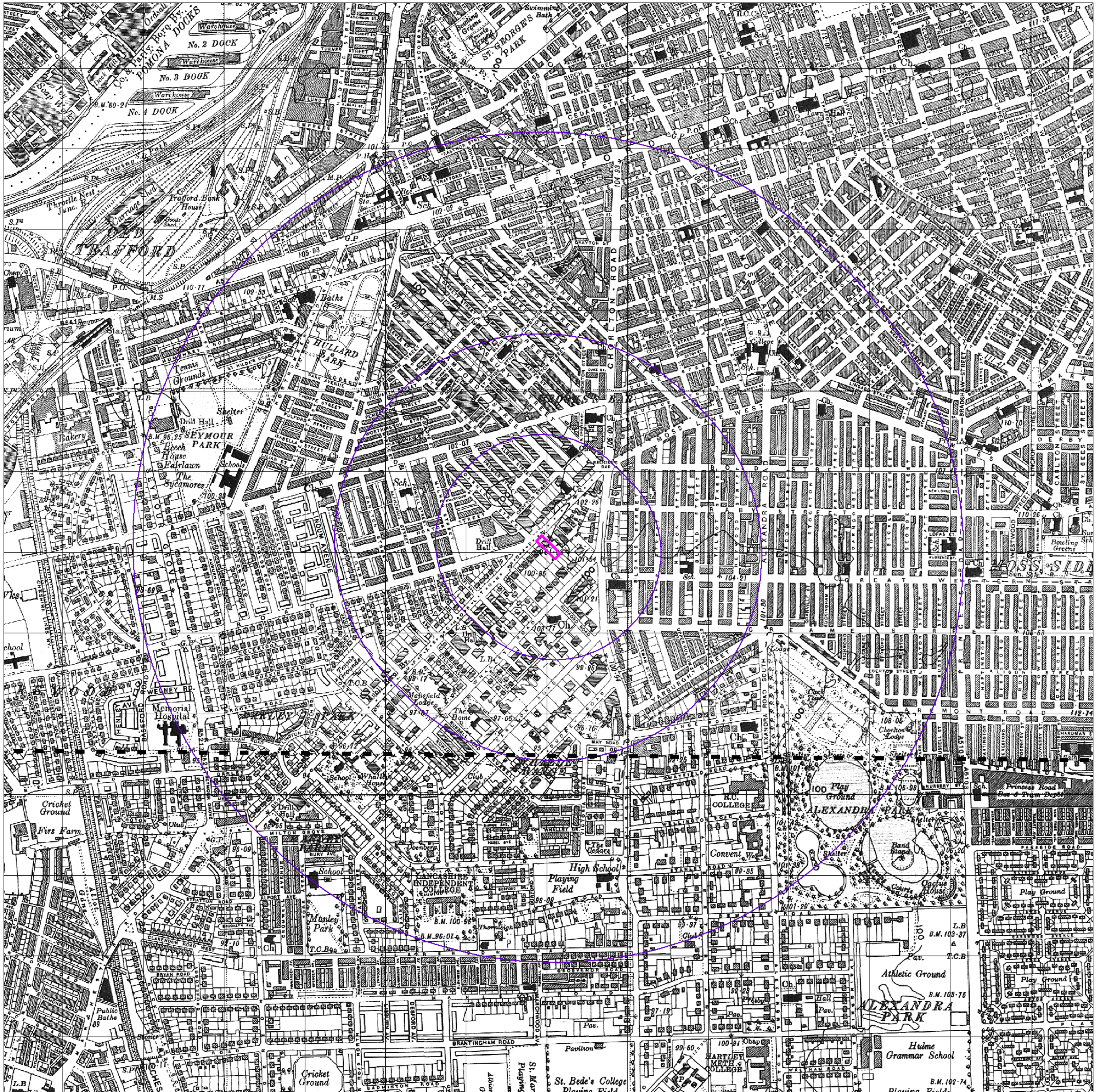
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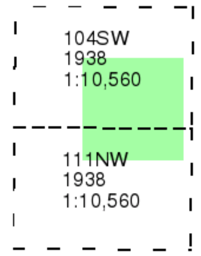
Lancashire And Furness

Published 1938

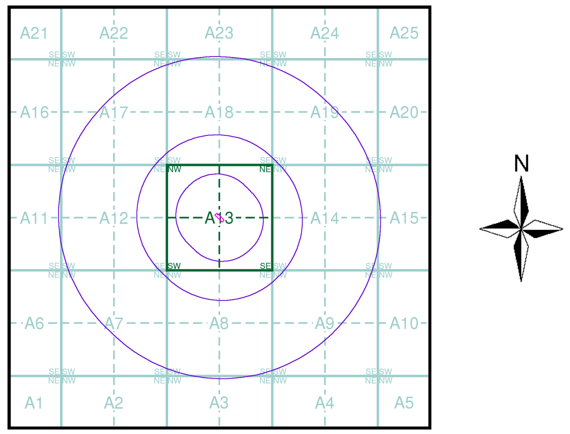
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



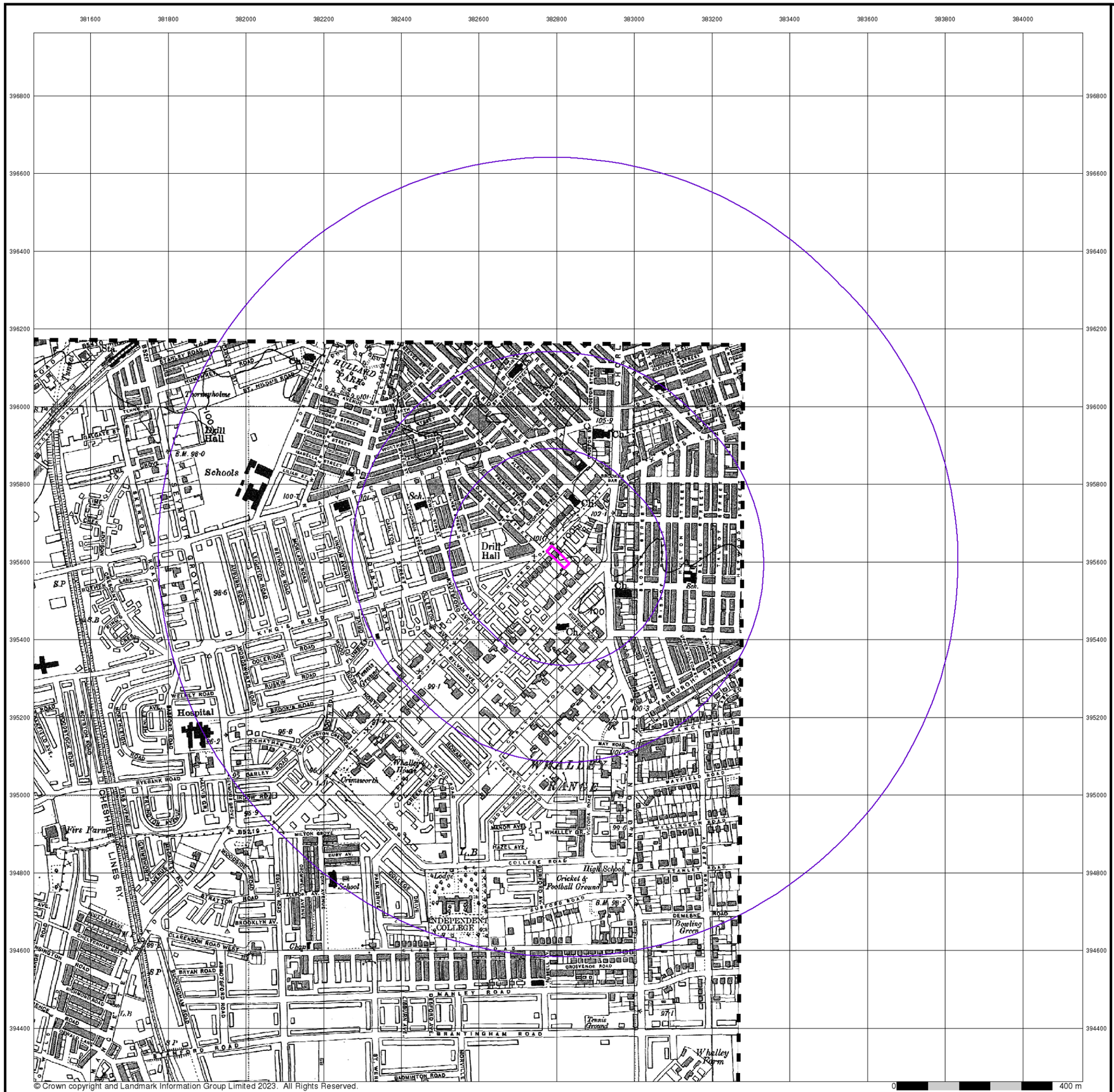
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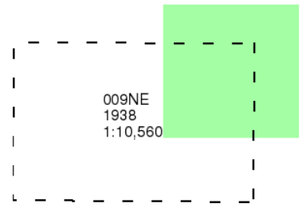
Cheshire

Published 1938

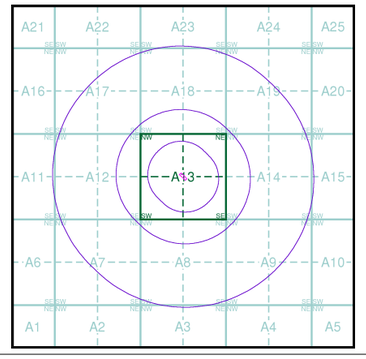
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Map Name(s) and Date(s)



Historical Map - Slice A

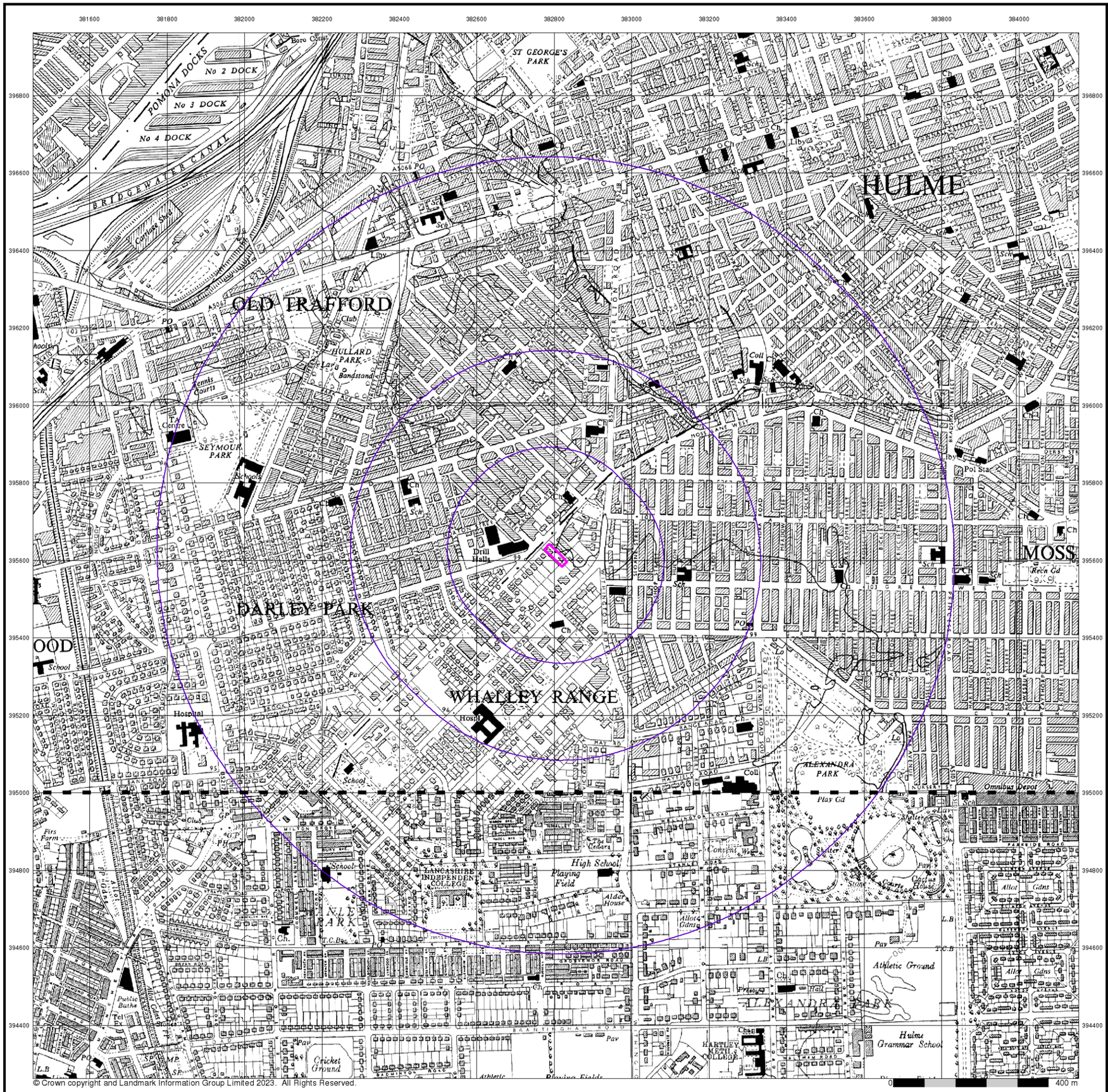


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Ordnance Survey Plan

Published 1955 - 1956

Source map scale - 1:10,000

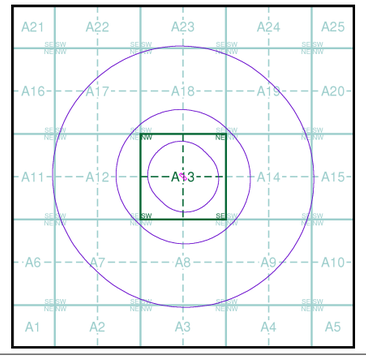
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Map Name(s) and Date(s)

SJ89NW
1956
1:10,560

SJ89SW
1955
1:10,560

Historical Map - Slice A



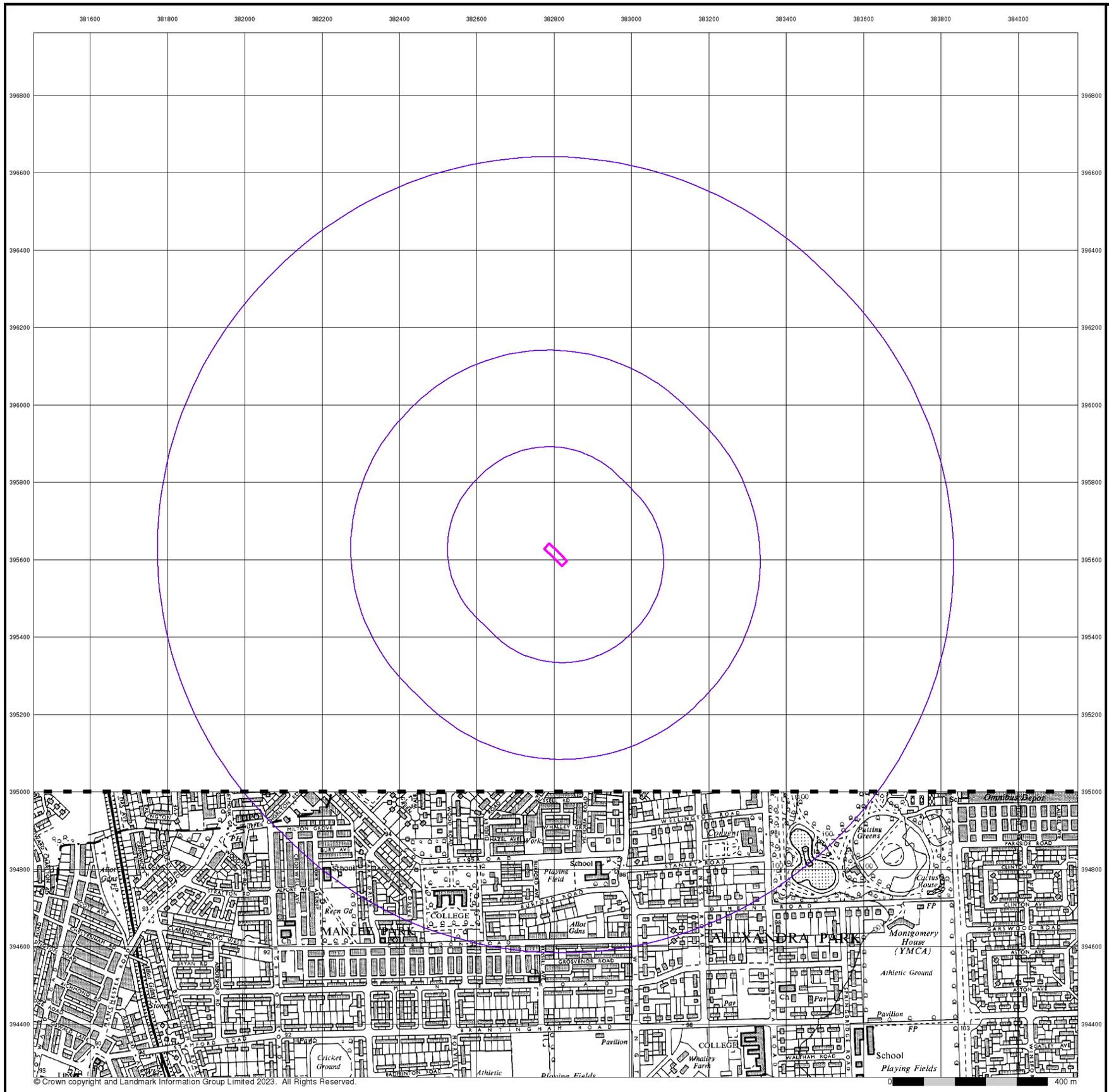
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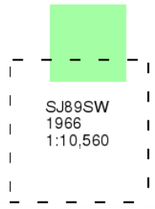
Ordnance Survey Plan

Published 1966

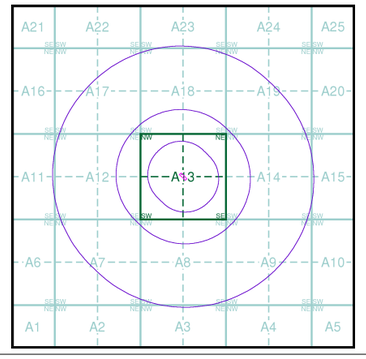
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



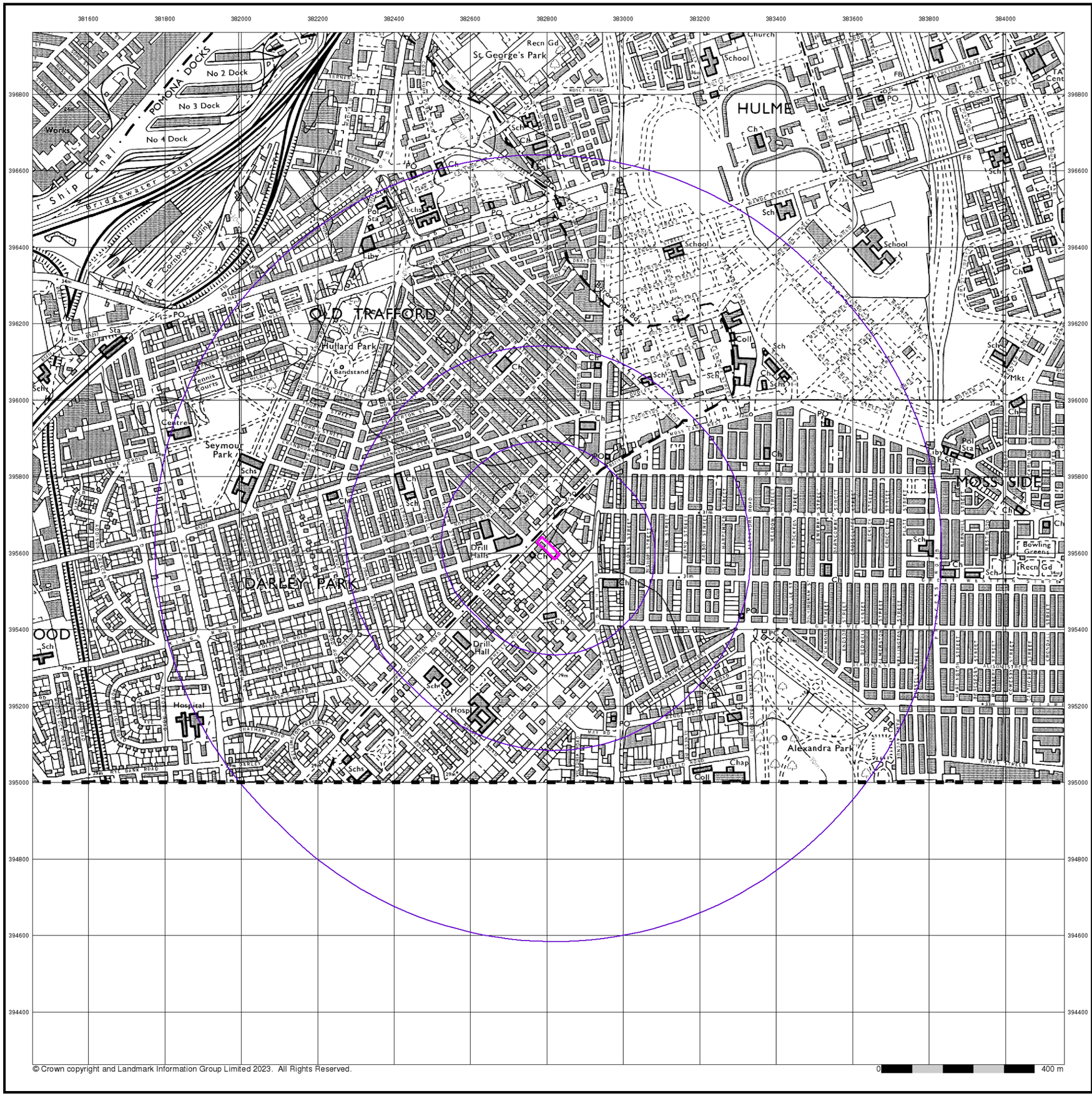
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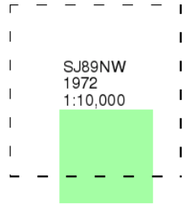
Ordnance Survey Plan

Published 1972

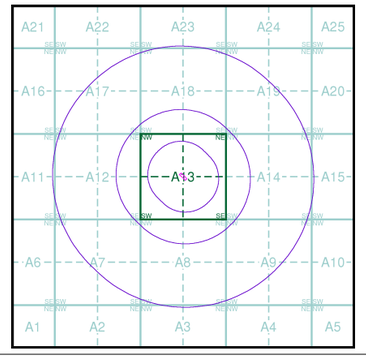
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



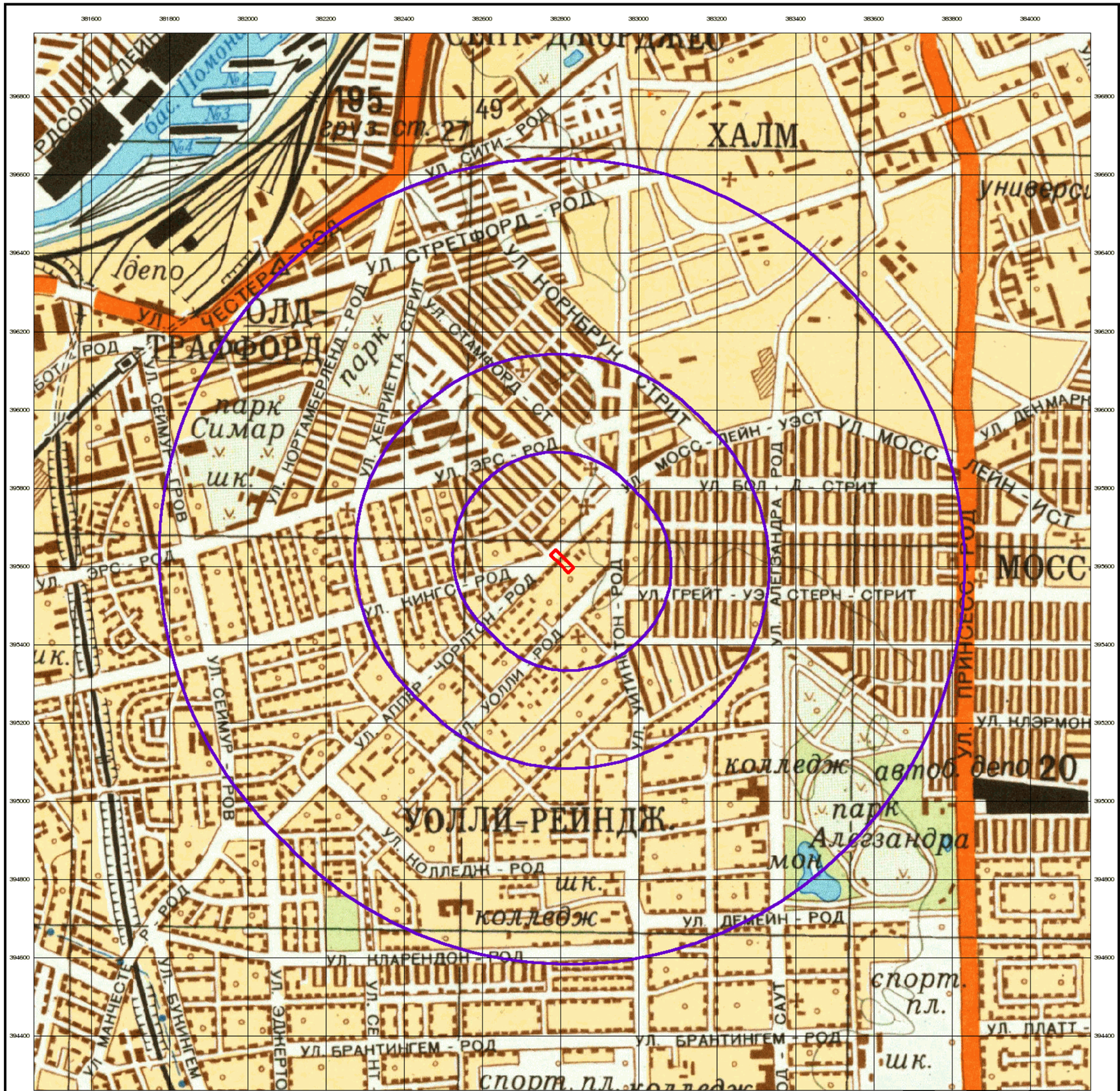
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Manchester

Published 1975

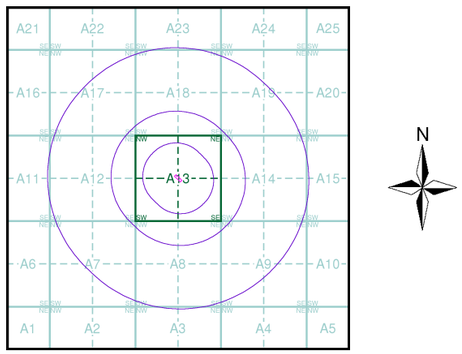
Source map scale - 1:25,000

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

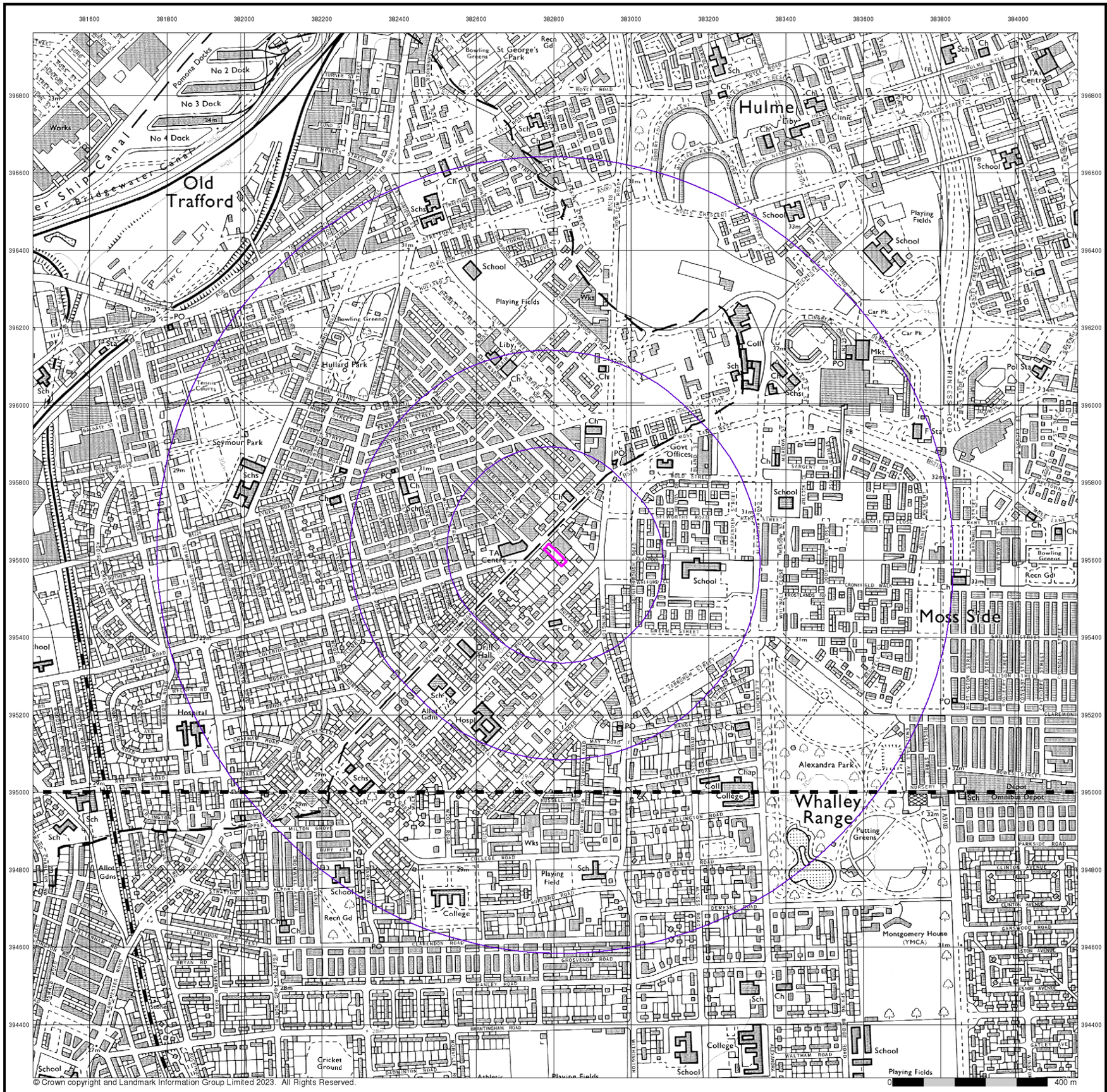


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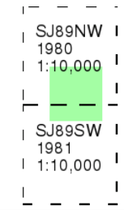
Ordnance Survey Plan

Published 1980 - 1981

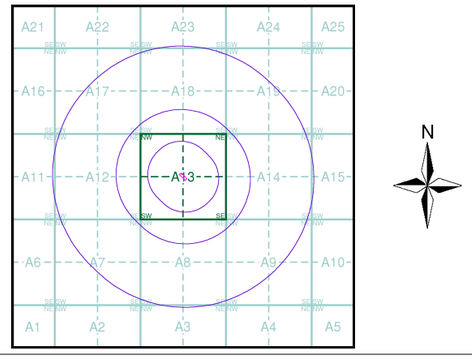
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



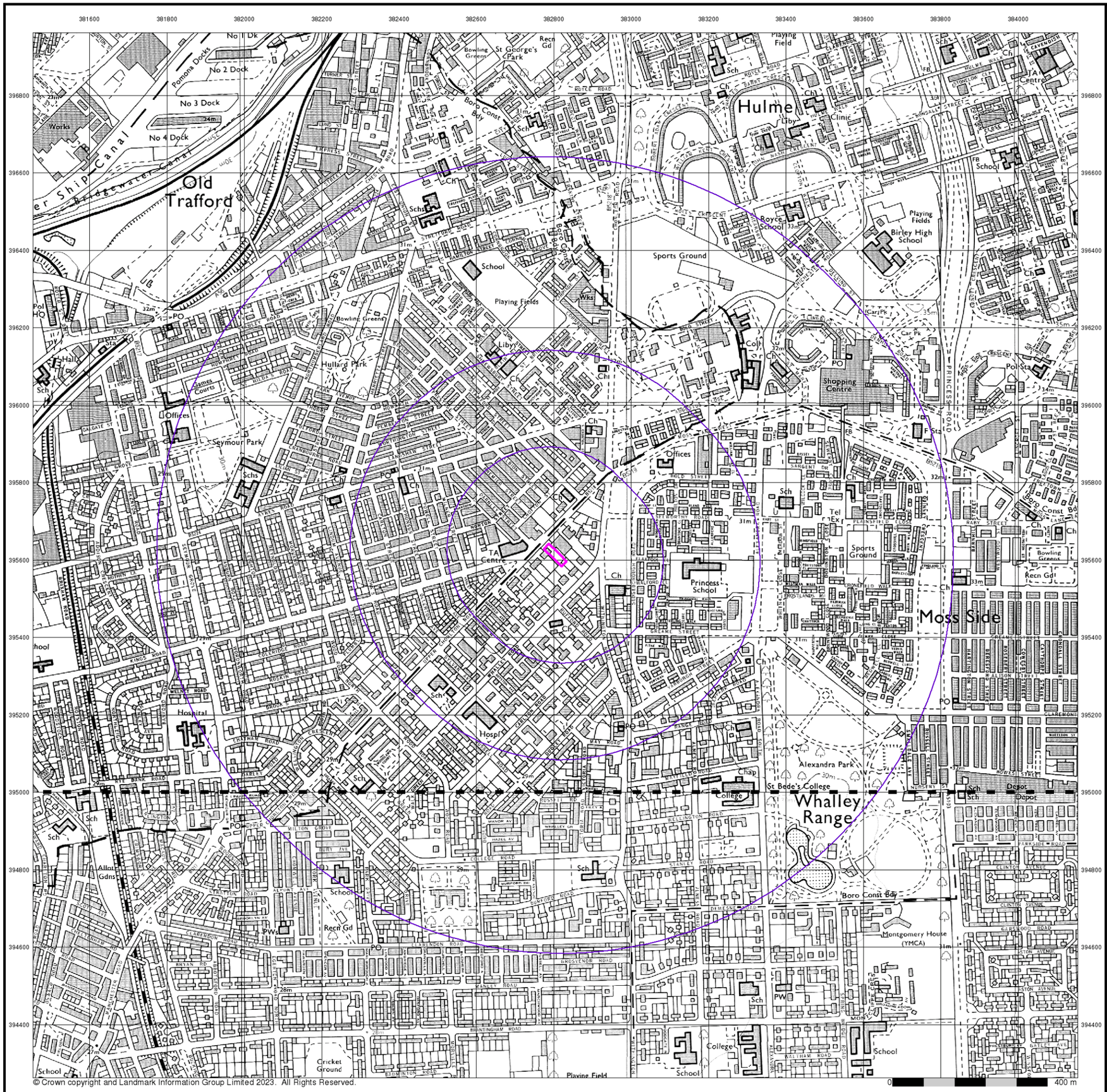
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Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ

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0 400 m

LK GROUP

Ordnance Survey Plan

Published 1985 - 1989

Source map scale - 1:10,000

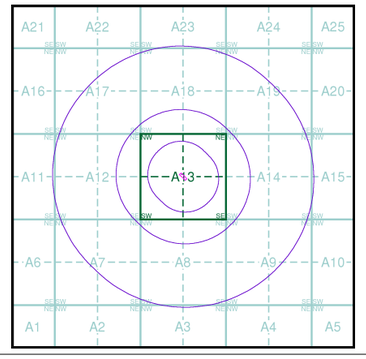
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

SJ89NW
1985
1:10,000

SJ89SW
1989
1:10,000

Historical Map - Slice A



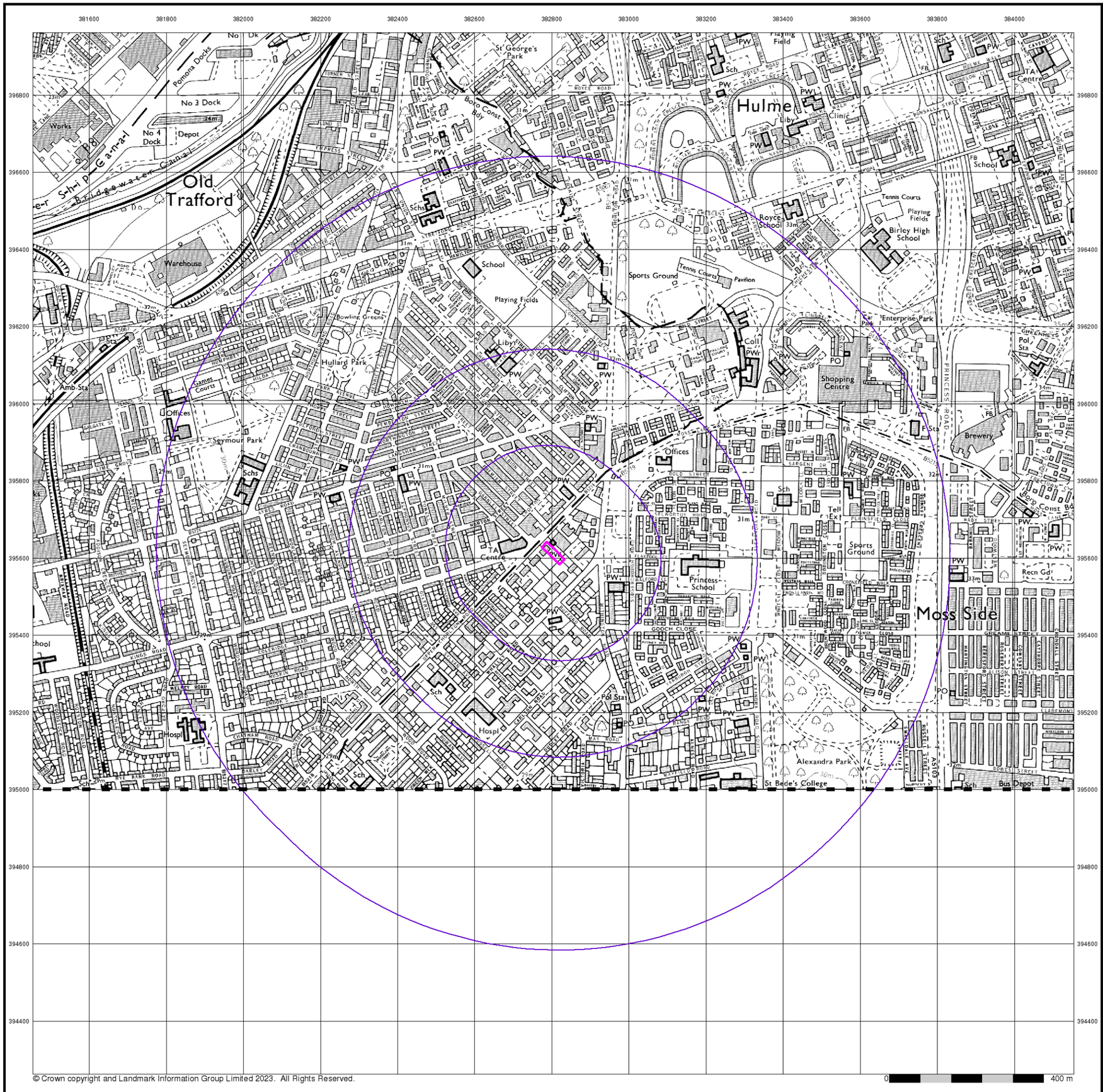
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Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
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Search Buffer (m):	1000

Site Details

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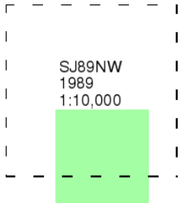
Ordnance Survey Plan

Published 1989

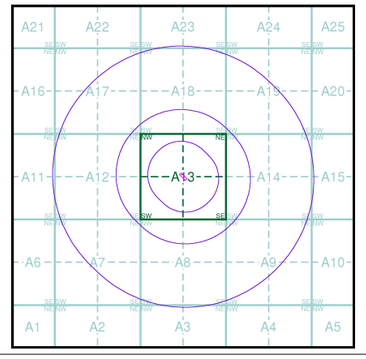
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	313479002_1_1
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National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

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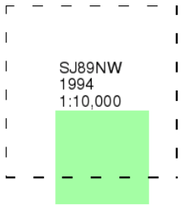
Ordnance Survey Plan

Published 1994

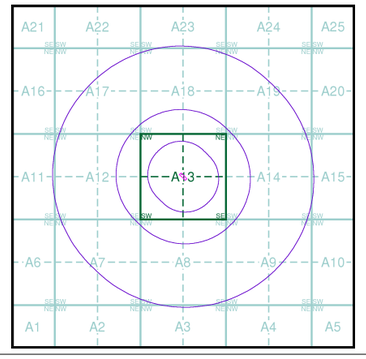
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



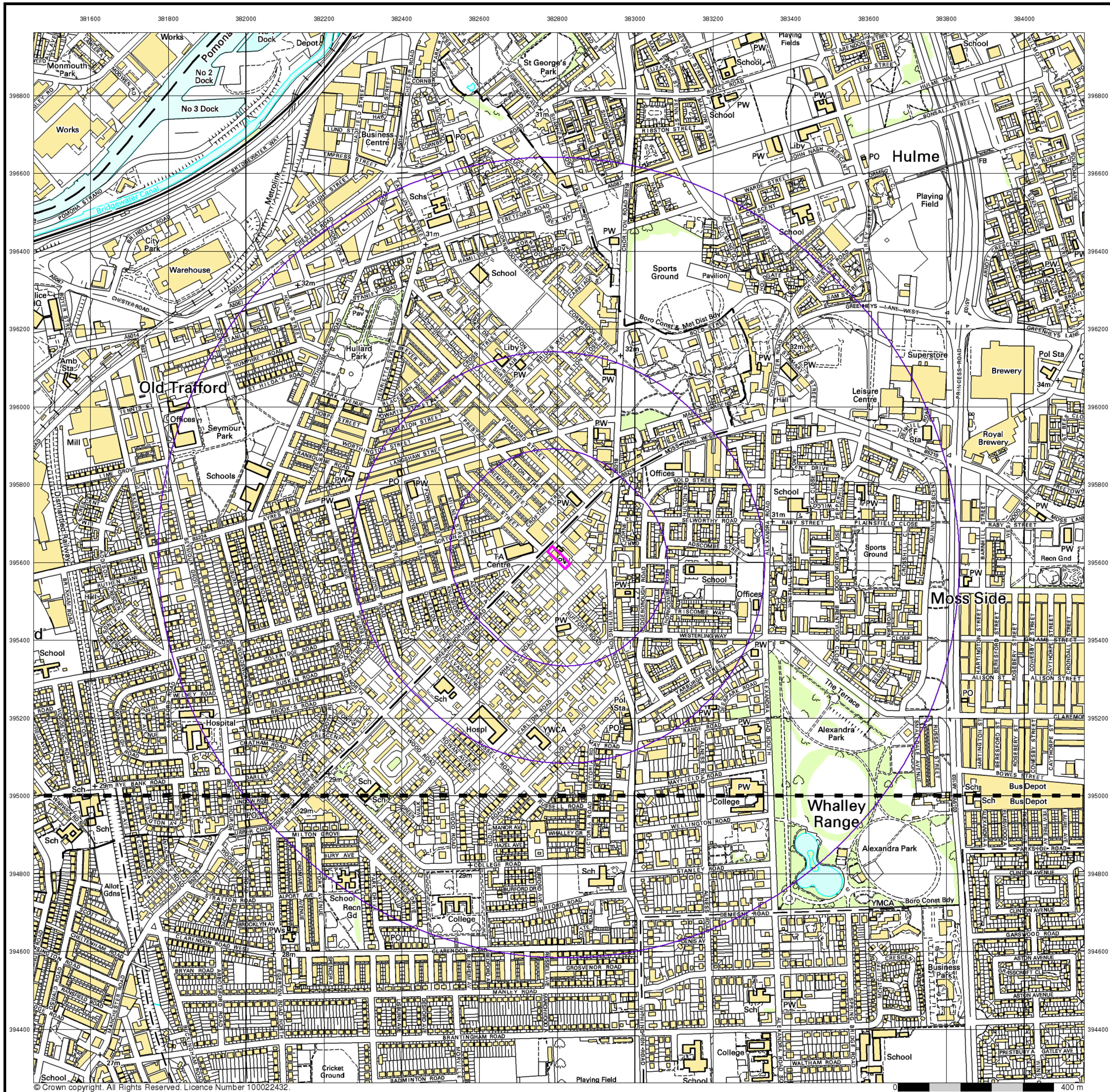
Order Details

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Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
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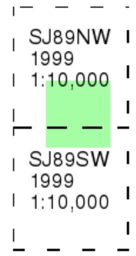
10k Raster Mapping

Published 1999

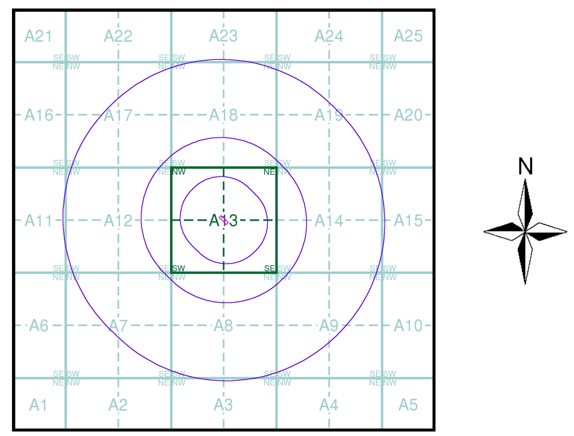
Source map scale - 1:10,000

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



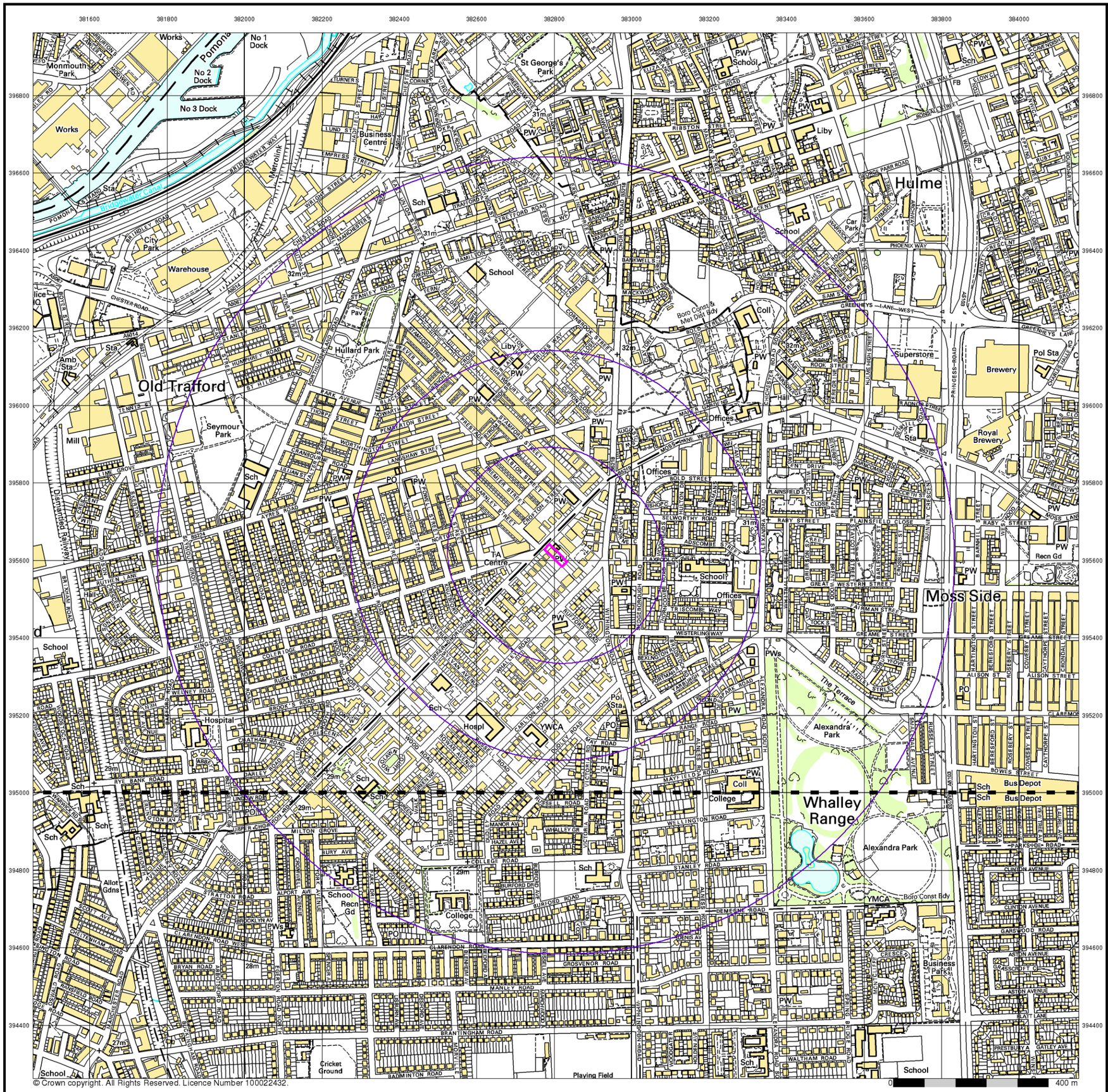
Order Details

Order Number: 313479002_1_1
Customer Ref: LKC 23 1395
National Grid Reference: 382800, 395610
Slice: A
Site Area (Ha): 0.12
Search Buffer (m): 1000

Site Details

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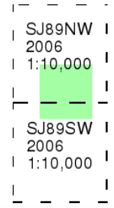
10k Raster Mapping

Published 2006

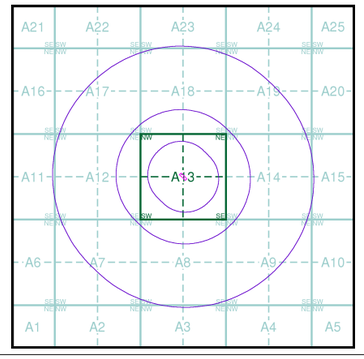
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

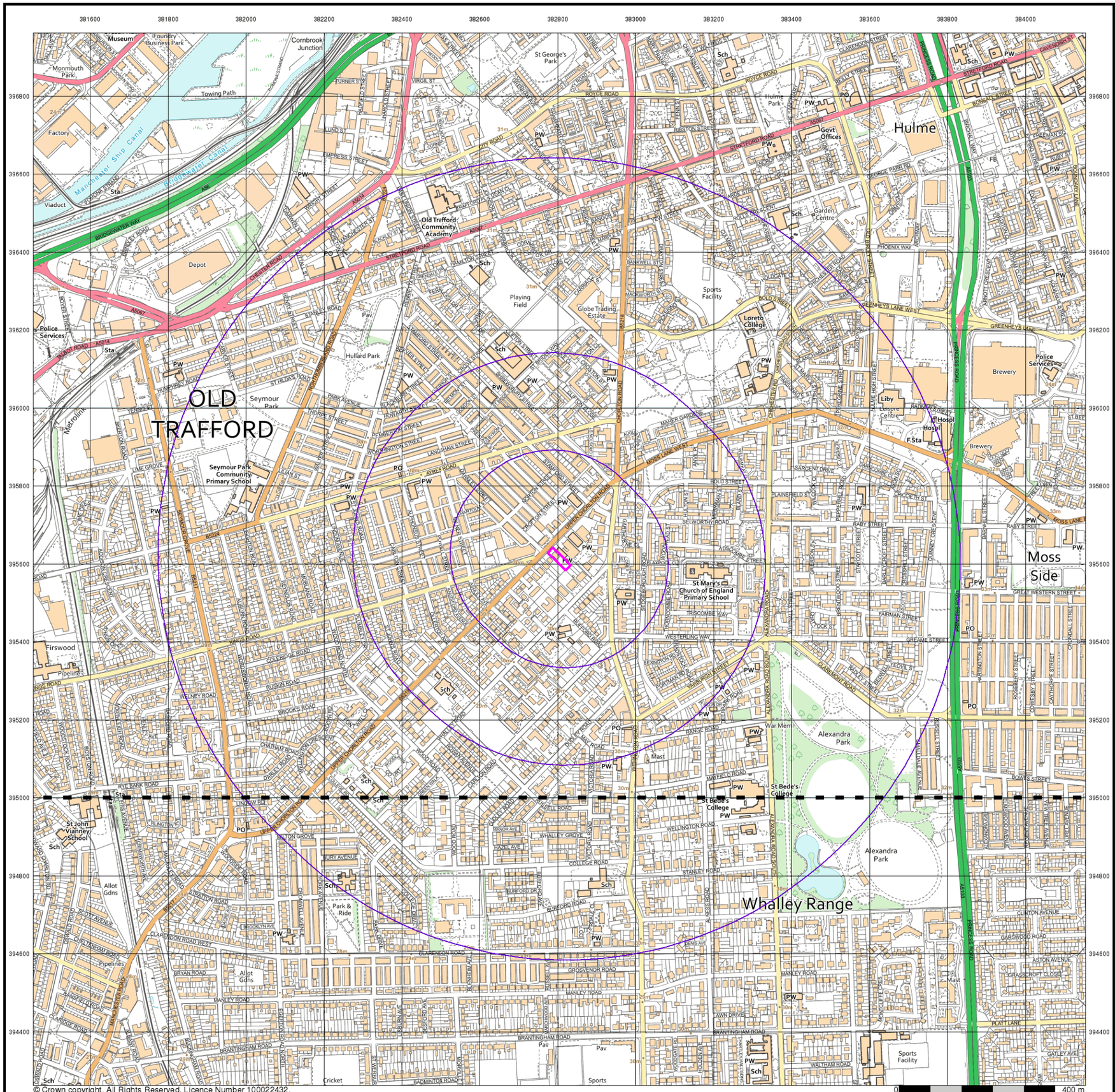
Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
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Site Area (Ha):	0.12
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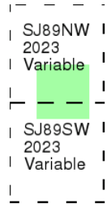
VectorMap Local

Published 2023

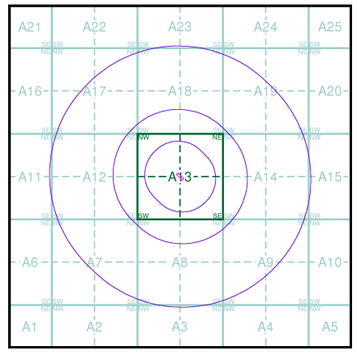
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

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Appendix B

Envirocheck Report

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
313479002_1_1

Customer Reference:
LKC 23 1395

National Grid Reference:
382800, 395610

Slice:
A

Site Area (Ha):
0.12

Search Buffer (m):
1000

Site Details:

63-65
Upper Chorlton Road
Manchester
M16 7RQ

Client Details:

L Consult
LK Consult Ltd
Unit 29 Eton Business Park
Eton Hill Road
Radcliffe
Greater Manchester
M26 2ZS

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	15
Hazardous Substances	-
Geological	18
Industrial Land Use	22
Sensitive Land Use	-
Data Currency	38
Data Suppliers	44
Useful Contacts	45

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

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1		3
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2		1		4
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2				Yes
Pollution Incidents to Controlled Waters	pg 3				3
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 3			1	
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 3				1
Water Abstractions	pg 3			4	(*35)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 13	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 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones	pg 13				3
Extreme Flooding from Rivers or Sea without Defences	pg 14		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 14			1	

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 15				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 15			3	30
Registered Landfill Sites	pg 17				1
Registered Waste Transfer Sites	pg 17		1		
Registered Waste Treatment or Disposal Sites					
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					

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 18	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 18	Yes			
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 18		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 20	Yes			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			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 20	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 21	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 21	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				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 22		8	20	74
Fuel Station Entries	pg 30		1		2
Points of Interest - Commercial Services	pg 31		3	6	25
Points of Interest - Education and Health	pg 34			2	2
Points of Interest - Manufacturing and Production	pg 34			3	5
Points of Interest - Public Infrastructure	pg 35		1		14
Points of Interest - Recreational and Environmental	pg 36				15
Gas Pipelines					
Underground Electrical Cables					

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					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	0	1	382804 395612
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	38	1	382750 395600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	86	1	382800 395500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	175	1	382600 395612
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	332	1	383100 395400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	353	1	382500 395850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	441	1	382900 395150
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Regent Rd/Ordsall Lane, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01SAL0027 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 13th July 2005 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	A13NW (NW)	189	2	382600 395700
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: 3 Wood Road Cso 3 Wood Road, ., Manchester, Greater Manchester, M16 9ra Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982628 Permit Version: 2 Effective Date: 18th December 2018 Issued Date: 18th December 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Ousel Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	598	2	382352 395205
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: 3 Wood Rd Whalley Range, ., Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0311 Permit Version: 2 Effective Date: 18th December 2018 Issued Date: 18th December 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Ouel Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	600	2	382350 395205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: 3 Wood Rd Whalley Range, ., Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0311 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 17th December 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Mersey **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	603	2	382350 395200
3	**Local Authority Pollution Prevention and Controls** Name: Save Service Station Location: 44 Upper Chorlton Road, Firswood, Stretford, MANCHESTER, M16 7RW Authority: Trafford Metropolitan Borough Council, Environmental Health Department Permit Reference: 133 Dated: 27th August 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revoked** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	31	3	382776 395669
4	**Local Authority Pollution Prevention and Controls** Name: Range Garage Location: 131 Withington Road, Whalley Range, MANCHESTER, M16 8EE Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/028/06 Dated: 28th December 2001 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	533	4	383026 395093
5	**Local Authority Pollution Prevention and Controls** Name: Td Barnes Location: 31a Russell Road, Whalley Range, MANCHESTER, Lancashire, M16 8DL Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/13/05/AW Dated: 14th October 1991 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	A8NW (S)	630	4	382767 394956
6	**Local Authority Pollution Prevention and Controls** Name: Donald Brown (Brownall) Location: Stretford Road, Old Trafford, MANCHESTER, M16 9AR Authority: Trafford Metropolitan Borough Council, Environmental Health Department Permit Reference: Ip17 Dated: 8th December 1992 Process Type: Local Authority Air Pollution Control Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap **Status: Authorisation revoked** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	941	3	382281 396434
7	**Local Authority Pollution Prevention and Controls** Name: Old Trafford Service Station Location: 499 Chester Road, Old Trafford, Manchester, M16 9HF Authority: Trafford Metropolitan Borough Council, Environmental Health Department Permit Reference: 132 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	A17NW (NW)	975	3	382124 396355
	Nearest Surface Water Feature	A9SW (SE)	913	-	383419 394895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Cheshire Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Tributary Arclid Brook; Sewage Incident Date: 2nd November 1996 Incident Reference: 96522276 Catchment Area: Wheelock Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	569	2	382400 395200
9	**Pollution Incidents to Controlled Waters** Property Type: Pollution Found Source Not Determined Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Corn Brook; Petrol Incident Date: 3rd July 1996 Incident Reference: 96651496 Catchment Area: Manchester Ship Canal Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	902	2	382300 396400
10	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Found Incident Date: 26th January 1994 Incident Reference: 94640185 Catchment Area: Manchester Ship Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	973	2	383800 395700
11	**Registered Radioactive Substances** Name: Bupa Hospitals Ltd Location: Manchester Hospital, Russell Road, MANCHESTER, Greater Manchester, M16 8AJ Authority: Environment Agency, North West Region Permit Reference: AB9585 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelled** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	432	2	382623 395200
12	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 19th March 2006 Incident Reference: 384660 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Petrol	A8NE (SE)	513	2	383016 395109
13	**Water Abstractions** Operator: Hydes Brewery Ltd Licence Number: 2569007009 Permit Version: 103 Location: Borehole At Premises, Moss Lane West 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: 46 Moss Lane West, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	463	2	383220 395850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Water Abstractions** Operator: Hydes Brewery Ltd Licence Number: 2569007009 Permit Version: 102 Location: Borehole At Premises, Moss Lane West 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: 46 Moss Lane West Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	463	2	383220 395850
13	**Water Abstractions** Operator: Hydes Brewery Ltd Licence Number: 2569007009 Permit Version: 101 Location: Borehole At Premises, Moss Lane West Manchester 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): 373 Yearly Rate (m3): 66826 Details: 46 Moss Lane West, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th October 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	463	2	383220 395850
13	**Water Abstractions** Operator: Hydes Brewery Ltd Licence Number: 2569007009 Permit Version: 101 Location: Borehole At Premises, Moss Lane West 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: 46 Moss Lane West, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th October 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	463	2	383220 395850
	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 103 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NW (E)	1079	2	383865 395909

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 103 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NW (E)	1079	2	383865 395909
	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 102 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15NW (E)	1110	2	383900 395900
	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 102 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15NW (E)	1110	2	383900 395900
	Water Abstractions Operator: Scottish And Newcastle Uk Ltd Licence Number: 2569007007 Permit Version: 101 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15NW (E)	1110	2	383900 395900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Scottish And Newcastle Uk Ltd Licence Number: 2569007007 Permit Version: 101 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15NW (E)	1110	2	383900 395900
	Water Abstractions Operator: Scottish Courage Brewing Ltd Licence Number: 2569007007 Permit Version: 100 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 900 Yearly Rate (m3): 227000 Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15NW (E)	1110	2	383900 395900
	Water Abstractions Operator: Scottish Courage Brewing Ltd Licence Number: 2569007007 Permit Version: 100 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NW (E)	1110	2	383900 395900
	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	A24SE (NE)	1443	2	383715 396746

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0004/003 Permit Version: 1 Location: Borehole At Manchester Metropolitan University Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SE (NE)	1443	2	383715 396746
	Water Abstractions Operator: Trafford Metal Finishers Manchester Ltd Licence Number: 2569007080 Permit Version: 103 Location: Borehole At Warwick Road South Authority: Environment Agency, North West Region Abstraction: Metal: 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 Warwick Road South, Old Trafford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th May 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11SW (W)	1517	2	381290 395320
	Water Abstractions Operator: Trafford Metal Finishers Manchester Ltd Licence Number: 2569007080 Permit Version: 101 Location: Borehole At Warwick Road South Authority: Environment Agency, North West Region Abstraction: Metal: 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 Warwick Road South, Old Trafford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th October 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11SW (W)	1517	2	381290 395320
	Water Abstractions Operator: Trafford Metal Finishers Ltd Licence Number: 2569007080 Permit Version: 100 Location: Borehole At Warwick Road South Authority: Environment Agency, North West Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 432 Yearly Rate (m3): 75000 Details: Land At Warwick Road South, Old Trafford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th February 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11SW (W)	1517	2	381290 395320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Colgate Palmolive Ltd Licence Number: 2569007002 Permit Version: 100 Location: Borehole At 371 Ordsall Lane, Manchester 5 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1637 Yearly Rate (m3): 409140 Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th December 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SE (NW)	1583	2	381605 396695
	Water Abstractions Operator: Cerep Iii Investment R Sarl Licence Number: 2569007001 Permit Version: 102 Location: Manchester Ship Canal At Premises Ordsall Lane 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: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SE (NW)	1590	2	381600 396700
	Water Abstractions Operator: Cerep Iii Investment R Sarl Licence Number: 2569007002 Permit Version: 102 Location: Borehole At 371 Ordsall Lane, Manchester 5 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SE (NW)	1590	2	381600 396700
	Water Abstractions Operator: Colgate-Palmolive Manufacturing (Uk) Ltd Licence Number: 2569007001 Permit Version: 101 Location: Manchester Ship Canal At Premises Ordsall Lane 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: Surface Daily Rate (m3): 4910 Yearly Rate (m3): 1363800 Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SE (NW)	1590	2	381600 396700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Colgate-Palmolive Manufacturing (Uk) Ltd Licence Number: 2569007002 Permit Version: 101 Location: Borehole At 371 Ordsall Lane, Manchester 5 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SE (NW)	1590	2	381600 396700
	Water Abstractions Operator: Colgate Palmolive Ltd Licence Number: 2569007001 Permit Version: 100 Location: Manchester Ship Canal At Premises Ordsall Lane 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: Surface Daily Rate (m3): 4910 Yearly Rate (m3): 1363800 Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th April 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SE (NW)	1590	2	381600 396700
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw7 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1612	2	383184 397203
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw4 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1612	2	383159 397210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw3 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NE (N)	1615	2	383140 397217
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw2 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NE (N)	1622	2	383113 397230
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw1 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23NE (N)	1635	2	383085 397249
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw5 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1640	2	383193 397230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw8 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1643	2	383224 397225
	Water Abstractions Operator: Network Rail Licence Number: Nw/069/0007/017 Permit Version: 1 Location: Cornbrook Pumps Station Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public ServicesDewatering 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: 29th March 2022 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (NW)	1648	2	381300 396363
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw9 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1670	2	383223 397253
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw6 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1678	2	383171 397275

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw10 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1689	2	383211 397276
	Water Abstractions Operator: Renaker Build Ltd Licence Number: Nw/069/0006/010 Permit Version: 1 Location: Borehole Pw11 Chester Formation At Crown Street Authority: Environment Agency, North West Region Abstraction: Construction:Dewatering 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: 24th September 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1709	2	383204 397298
	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	(N)	1782	2	382500 397400
	Water Abstractions Operator: Trafford Borough Council Licence Number: Nw/069/0007/007 Permit Version: 1 Location: Borehole A - Trafford Town Hall, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: 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: 2nd October 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1795	2	380999 395892

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Trafford Borough Council Licence Number: Nw/069/0007/007 Permit Version: 1 Location: Borehole B - Trafford Town Hall, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: 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: 2nd October 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1846	2	380940 395833
	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	A25NW (NE)	1975	2	384000 397200
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A13SE (E)	0	5	382804 395612
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (E)	0	5	382804 395612
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (E)	0	5	382804 395612
14	**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.	A14NE (E)	752	2	383567 395758
15	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A14NE (E)	809	2	383607 395831
16	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A14NE (E)	953	2	383741 395888

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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 (NE)	245	2	382962 395813
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6195.1 Watercourse Level: Underground Permanent: True Watercourse Name: Corn Brook Catchment Name: Mersey Primacy: 1	A18SE (NE)	466	6	383134 395954

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Historical Landfill Sites** Licence Holder: Demolition Service Limited Location: Hulme, Manchester Name: Moss Side Shopping Centre Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16588 First Input Date: 31st May 1994 Last Input Date: 5th June 1995 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9100 BGS Ref: Not Supplied Other Ref: F061 ,0103, RD/LIC/1036/93	A19SW (NE)	751	2	383466 395999
19	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Old Trafford, Greater Manchester Name: Humphrey Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD35200 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: H108	A17SW (NW)	926	2	381955 396058
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	7	382804 395612
	Local Authority Landfill Coverage Name: Trafford Metropolitan Borough Council - Has not been able to supply Landfill data		7	3	382777 395639
20	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SW (W)	271	-	382530 395513
21	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A13SW (W)	304	-	382485 395537
22	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (NE)	452	-	383002 396039
23	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	563	-	383291 395269
24	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (S)	621	-	382699 394975
25	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NE (S)	636	-	383013 394978
26	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A12SE (SW)	640	-	382236 395282
27	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (E)	641	-	383460 395729
28	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A12SE (W)	651	-	382134 395518
29	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A17SE (NW)	677	-	382338 396146

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	702	-	383320 395091
31	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (SE)	706	-	383470 395292
32	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	727	-	383459 395227
33	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	728	-	383473 395248
34	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SE (NW)	733	-	382140 395993
35	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (SE)	760	-	383534 395303
36	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	765	-	383573 395402
37	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9SW (SE)	782	-	383247 394929
38	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7NW (SW)	784	-	382091 395245
39	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	798	-	382407 394901
40	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NE (E)	812	-	383640 395682
41	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NE (SE)	862	-	383613 395231
42	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NE (E)	879	-	383707 395679
43	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	893	-	383545 396134
44	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SE (S)	895	-	382820 394689
45	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NE (SE)	919	-	383536 395004
46	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (NE)	925	-	383638 396051
47	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1896	A17SW (NW)	945	-	381941 396073
48	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SW (S)	947	-	382636 394655
49	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	958	-	383752 395330
50	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SE (E)	966	-	383718 395983

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SE (S)	974	-	382842 394610
52	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9SE (SE)	995	-	383482 394841
53	**Registered Landfill Sites** Licence Holder: Demolition Services Ltd Licence Reference: 01036 Site Location: Moss Side District Shopping Centre, Moss Side, Manchester, Greater Manchester Licence Easting: 383500 Licence Northing: 396100 Operator Location: Croft House, Whitehall Road, Drighlington, Bradford, West Yorkshire Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source Restrictions: Some restriction on source of waste Status: Licence has completion certificateSurrendered Dated: 1st April 1994 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Max.Waste Permitted By Licence Rubble,Hardcore,Stone,Brickwk,Concrete Prohibited Waste: Asbestos Liquid Wastes Sludge Wastes Special Wastes Waste In Drums Waste In Skips Waste N.O.S Whether/Not Pack./Pre-Trt	A19SE (NE)	836	2	383500 396100
54	**Registered Waste Transfer Sites** Licence Holder: Partco Autoparts Ltd Licence Reference: 00724/91 Site Location: 57 Upper Chorlton Road, Brookes Bar, MANCHESTER, Greater Manchester, M16 7RO 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: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1993 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Storage In Licence Solvent/Thinner/Mixture Prohibited Waste: Asbestos Explosive Waste Gmwda Group 1 - Non/V.Slow Decomp.Wast Gmwda Group 2 - Slow Decomp./Slight So Gmwda Group 3 - Decomp./Soluble Waste In Pressurised Cont'Rs Waste N.O.S. - Pretreated Or Not Waste Violently Reactive With Water	A13NE (NE)	50	2	382840 395660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13SE (E)	0	1	382804 395612
	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	A13SE (E)	0	1	382804 395612
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382680, 395590 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 23.60 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 66.10 mg/kg Lead Measured Concentration: 271.80 mg/kg Nickel Measured Concentration: 29.60 mg/kg	A13SW (W)	102	1	382680 395590
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382780, 395340 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 30.40 mg/kg Cadmium Measured Concentration: 2.10 mg/kg Chromium Measured Concentration: 82.30 mg/kg Lead Measured Concentration: 2686.60 mg/kg Nickel Measured Concentration: 34.90 mg/kg	A13SW (S)	247	1	382780 395340
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383180, 395500 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 21.20 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 74.20 mg/kg Lead Measured Concentration: 230.50 mg/kg Nickel Measured Concentration: 26.70 mg/kg	A14SW (E)	360	1	383180 395500
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382270, 395780 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 34.80 mg/kg Cadmium Measured Concentration: 1.50 mg/kg Chromium Measured Concentration: 67.10 mg/kg Lead Measured Concentration: 1423.50 mg/kg Nickel Measured Concentration: 38.30 mg/kg	A12NE (W)	527	1	382270 395780

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: 383260, 395210 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 17.00 mg/kg Cadmium Measured Concentration: 1.30 mg/kg Chromium Measured Concentration: 103.50 mg/kg Lead Measured Concentration: 345.70 mg/kg Nickel Measured Concentration: 38.00 mg/kg	A9NW (SE)	576	1	383260 395210
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382310, 395240 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 22.60 mg/kg Cadmium Measured Concentration: 6.10 mg/kg Chromium Measured Concentration: 69.10 mg/kg Lead Measured Concentration: 372.10 mg/kg Nickel Measured Concentration: 27.80 mg/kg	A7NE (SW)	606	1	382310 395240
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382740, 396280 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 33.30 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 88.30 mg/kg Lead Measured Concentration: 192.40 mg/kg Nickel Measured Concentration: 31.60 mg/kg	A18SW (N)	641	1	382740 396280
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382340, 396280 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 27.60 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 70.10 mg/kg Lead Measured Concentration: 270.60 mg/kg Nickel Measured Concentration: 28.20 mg/kg	A17SE (NW)	780	1	382340 396280
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383250, 396270 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 15.80 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 63.00 mg/kg Lead Measured Concentration: 319.40 mg/kg Nickel Measured Concentration: 23.70 mg/kg	A19SW (NE)	781	1	383250 396270

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: 383680, 395190 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 15.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 60.00 mg/kg Lead Measured Concentration: 237.40 mg/kg Nickel Measured Concentration: 24.20 mg/kg	A9NE (SE)	940	1	383680 395190
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383780, 395730 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 20.40 mg/kg Cadmium Measured Concentration: 1.10 mg/kg Chromium Measured Concentration: 74.20 mg/kg Lead Measured Concentration: 175.00 mg/kg Nickel Measured Concentration: 29.00 mg/kg	A14NE (E)	957	1	383780 395730
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Manchester Count Id: 300 Arsenic Minimum Concentration: 3.00 mg/kg Arsenic Average Concentration: 28.00 mg/kg Arsenic Maximum Concentration: 1008.00 mg/kg Cadmium Minimum Concentration: 0.30 mg/kg Cadmium Average Concentration: 1.40 mg/kg Cadmium Maximum Concentration: 80.30 mg/kg Chromium Minimum Concentration: 29.00 mg/kg Chromium Average Concentration: 92.00 mg/kg Chromium Maximum Concentration: 1252.00 mg/kg Lead Minimum Concentration: 20.00 mg/kg Lead Average Concentration: 270.00 mg/kg Lead Maximum Concentration: 2687.00 mg/kg Nickel Minimum Concentration: 5.00 mg/kg Nickel Average Concentration: 32.00 mg/kg Nickel Maximum Concentration: 137.00 mg/kg	A13SE (E)	0	1	382804 395612
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	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	A13SE (E)	0	1	382804 395612
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	382804 395612

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	382804 395612
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	382804 395612
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	382804 395612
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	382804 395612
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	382804 395612
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	382804 395612

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**Contemporary Trade Directory Entries** Name: Bavra Ltd Location: 59, Upper Chorlton Road, Manchester, M16 7RQ Classification: Kitchen Furniture Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	29	-	382839 395631
56	**Contemporary Trade Directory Entries** Name: Save Service Station Location: 44, Upper Chorlton Road, Manchester, M16 7RN Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	31	-	382776 395669
56	**Contemporary Trade Directory Entries** Name: Darnley Street Motors Location: 81, Darnley Street, Manchester, M16 9WD Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	64	-	382740 395684
56	**Contemporary Trade Directory Entries** Name: B J Motors Location: 81, Darnley Street, Manchester, M16 9WD Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	64	-	382740 395684
56	**Contemporary Trade Directory Entries** Name: N A Autos Location: 81a, Darnley Street, Manchester, M16 9WD Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	64	-	382740 395684
57	**Contemporary Trade Directory Entries** Name: Auto Technik Location: Manchester, M16 7RW Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	112	-	382890 395697
58	**Contemporary Trade Directory Entries** Name: Trafford Light Haulage Location: A, 199, Stamford Street, Manchester, Lancashire, M16 9LX Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	189	-	382829 395826
59	**Contemporary Trade Directory Entries** Name: Dusk Till Dawn Location: 53, Milner Street, Manchester, M16 7GG Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	207	-	382570 395657
60	**Contemporary Trade Directory Entries** Name: Sparkle & Gleam Ltd Location: 162A Chorlton Rd, Manchester, M16 7WW Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	277	-	382930 395878
61	**Contemporary Trade Directory Entries** Name: Aspire In Manchester Location: 3, Ayres Road, Manchester, M16 7WY Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	283	-	382863 395914
62	**Contemporary Trade Directory Entries** Name: Jawads Frozen Foods Location: 51, Ayres Road, Manchester, Lancashire, M16 9NH Classification: Frozen Food Processors & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	297	-	382571 395844
62	**Contemporary Trade Directory Entries** Name: Halal Meat Centre Location: 51, Ayres Road, Manchester, M16 9NH Classification: Meat - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	297	-	382571 395844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**Contemporary Trade Directory Entries** Name: C S Autos Location: 13, Moss Lane West, Manchester, M15 5PQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	314	-	383010 395863
64	**Contemporary Trade Directory Entries** Name: Flash Net Solutions Location: 67, Ayres Road, Manchester, M16 9NH Classification: Computer Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	338	-	382493 395815
65	**Contemporary Trade Directory Entries** Name: J V Blinds Location: 26, Bradstock Road, Manchester, Lancashire, M16 7GJ Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	360	-	383120 395379
66	**Contemporary Trade Directory Entries** Name: Dust Covers Uk Location: 67, Carlton Street, MANCHESTER, M16 7GZ Classification: Office Equipment Servicing & Maintenance **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	366	-	382416 395557
67	**Contemporary Trade Directory Entries** Name: F Duerr & Sons Ltd Location: 15, Prestage Street, Old Trafford, Manchester, M16 9LH Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	379	-	382595 395968
68	**Contemporary Trade Directory Entries** Name: Malik Superstores Location: 111-113, Withington Road, Manchester, Lancashire, M16 8EE Classification: Meat - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	379	-	383008 395254
69	**Contemporary Trade Directory Entries** Name: St Bride'S Street Garage Location: 5, St. Bride Street, Manchester, M16 9LS Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	385	-	382670 396008
69	**Contemporary Trade Directory Entries** Name: Zahra Washouse Location: 116, Shrewsbury Street, Manchester, M16 7NY Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	406	-	382675 396031
70	**Contemporary Trade Directory Entries** Name: Spire Healthcare Location: Manchester Hospital, Russell Road, Manchester, M16 8AJ Classification: Hospitals **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	430	-	382618 395205
70	**Contemporary Trade Directory Entries** Name: Spire Manchester Hospital Location: Manchester Hospital, Russell Road, Manchester, M16 8AJ Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	430	-	382618 395205
70	**Contemporary Trade Directory Entries** Name: Spire Manchester Hospital Location: Manchester Hospital, Russell Road, Manchester, M16 8AJ Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	431	-	382617 395204

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	**Contemporary Trade Directory Entries** Name: Magis Location: Unit 21 Windrush Millennium Centre,70 Alexandra Road, Manchester, Greater Manchester, M16 7WD Classification: Cosmetic Manufacturers **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	436	-	383268 395575
71	**Contemporary Trade Directory Entries** Name: The Moss Cider Project Location: Manchester, M16 7WD Classification: Cider Makers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	439	-	383268 395542
71	**Contemporary Trade Directory Entries** Name: The Bamboo Group Ltd Location: Unit 11, The Windrush Millenium Centre, 70, Alexandra Road, Manchester, M16 7WD Classification: Distribution Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	450	-	383276 395520
71	**Contemporary Trade Directory Entries** Name: Styal Assist Location: Unit 6, Windrush Millennium Centre, 70, Alexandra Road, Manchester, M16 7WD Classification: Car Component Manufacturers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	473	-	383299 395519
72	**Contemporary Trade Directory Entries** Name: 4 Star Cleaning Location: 4, Yarburgh Street, Manchester, M16 7FJ Classification: Commercial Cleaning Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	444	-	383050 395204
73	**Contemporary Trade Directory Entries** Name: Advanced Communications Specialists Location: 5, Lango Street, Manchester, M16 9LN Classification: Telecommunications Equipment & Systems **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	529	-	382401 396003
74	**Contemporary Trade Directory Entries** Name: Range Garage Location: 131, Withington Road, Manchester, M16 8EE Classification: Garage Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	533	-	383026 395093
75	**Contemporary Trade Directory Entries** Name: All-In-One Diy Location: 2, Henrietta Street, Manchester, M16 9PT Classification: Gas Suppliers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	553	-	382284 395883
75	**Contemporary Trade Directory Entries** Name: All In One Diy Ltd Location: 2, Henrietta Street, Manchester, Lancashire, M16 9PT Classification: Hardware **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	553	-	382284 395883
76	**Contemporary Trade Directory Entries** Name: Cornbrook Vehicle Recycling Location: 77, Cornbrook Street, Manchester, M16 7QB Classification: Scrap Metal Merchants **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	576	-	382902 396206
76	**Contemporary Trade Directory Entries** Name: The Service Centre Ii Location: 75, Cornbrook Street, Manchester, M16 7QB Classification: Garage Services **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	576	-	382902 396206

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	**Contemporary Trade Directory Entries** Name: Car Mot Station Location: 75, Cornbrook Street, Manchester, M16 7QB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	576	-	382902 396206
76	**Contemporary Trade Directory Entries** Name: Car & Light Commercial Mot Station Location: 77, CORNBROOK STREET, MANCHESTER, M16 7QB Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	577	-	382902 396206
76	**Contemporary Trade Directory Entries** Name: Car & Light Commercial M O T Station Location: 77 Cornbrook Street, Manchester, Greater Manchester, M16 7QB Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	577	-	382902 396206
76	**Contemporary Trade Directory Entries** Name: Trendleway Cleaners Ltd Location: Globe House, 92, Chorlton Road, Manchester, M15 4AL Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	586	-	382940 396207
76	**Contemporary Trade Directory Entries** Name: B & R Service Centre Location: 71, Cornbrook Street, Manchester, M16 7QB Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	588	-	382887 396221
76	**Contemporary Trade Directory Entries** Name: Ronny'S Rubbers Location: 71, Cornbrook Street, Manchester, M16 7QB Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	589	-	382887 396221
76	**Contemporary Trade Directory Entries** Name: Macdonald White Location: 69, Cornbrook Street, Manchester, M16 7QB Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	593	-	382881 396227
76	**Contemporary Trade Directory Entries** Name: Chorlton Location: 67, Cornbrook Street, Manchester, M16 7QB Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	598	-	382875 396233
76	**Contemporary Trade Directory Entries** Name: Tyre Vulcanising Heywood Ltd Location: 86-90, Chorlton Road, Manchester, M15 4AN Classification: Tyre Repairs & Retreading **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	620	-	382921 396247
76	**Contemporary Trade Directory Entries** Name: Burton Motorworks Location: 86-90, Chorlton Road, Manchester, M15 4AN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	620	-	382921 396247
76	**Contemporary Trade Directory Entries** Name: Chorlton Road Garage Location: 86-90, Chorlton Road, Manchester, Lancashire, M15 4AN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	620	-	382921 396247
76	**Contemporary Trade Directory Entries** Name: D S Y Automotive Location: 86-90, Chorlton Road, Manchester, Lancashire, M15 4AN Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A18SE (N)	620	-	382921 396247

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	**Contemporary Trade Directory Entries** Name: Nuoe Location: 100 Chorlton Rd, Manchester, Lancashire, M15 4AN Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	621	-	382921 396247
77	**Contemporary Trade Directory Entries** Name: Diamond Restoration Location: Flat 4, 164, Whalley Road, Manchester, M16 8AW Classification: Furniture - Repairing & Restoring **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	576	-	382452 395142
78	**Contemporary Trade Directory Entries** Name: Carpet Clean Location: 39, Victoria Road, Whalley Range, Manchester, M16 8DQ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	590	-	382866 394996
79	**Contemporary Trade Directory Entries** Name: The Ravenglass & Eshdale Railway Preservation Society Location: 34, Mayfield Road, Manchester, M16 8EU Classification: Railways **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	596	-	383106 395061
80	**Contemporary Trade Directory Entries** Name: Loco'S Customs Location: Unit 5 Globe House,92 Chorlton Road, Manchester, Greater Manchester, M15 4AL Classification: Window Tinting **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	614	-	382967 396228
80	**Contemporary Trade Directory Entries** Name: Thomas Griffiths & Son Ltd Location: 84, Chorlton Road, Manchester, M15 4AL Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	634	-	382943 396256
81	**Contemporary Trade Directory Entries** Name: Mg Waste Management Location: 65, Cornbrook Street, Manchester, M16 7QB Classification: Recycling Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	616	-	382854 396253
82	**Contemporary Trade Directory Entries** Name: Russell Garage Ltd Location: 31a, Russell Road, Manchester, M16 8DJ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	635	-	382767 394951
83	**Contemporary Trade Directory Entries** Name: Derrick Pommells Location: Flat 91, Falcon Court, Dudley Close, Manchester, M15 5QD Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	642	-	383215 396119
84	**Contemporary Trade Directory Entries** Name: Prompt Pest Control Services Location: 1, Chatsworth Grove, Manchester, M16 8GY Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	686	-	382917 394905
85	**Contemporary Trade Directory Entries** Name: Ab Domestics Location: Flat 15, Govind Ruia Court, 18, Alness Road, Manchester, Lancashire, M16 8FX Classification: Washing Machines - Servicing & Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	701	-	383160 394971

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	**Contemporary Trade Directory Entries** Name: Domestic Cleaning Location: 15, LEIGHTON ROAD, MANCHESTER, M16 9WU Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	741	-	382034 395615
87	**Contemporary Trade Directory Entries** Name: Range Heating Location: 38, Leighton Road, Manchester, M16 9NX Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	755	-	382027 395525
88	**Contemporary Trade Directory Entries** Name: A N G Disposals Location: Flat 6, 62, Northumberland Road, Manchester, M16 9PP Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	760	-	382147 396056
89	**Contemporary Trade Directory Entries** Name: Apricot Shirts Location: 25, Green Walk, Manchester, M16 9RE Classification: Shirt Makers **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	777	-	382449 394901
90	**Contemporary Trade Directory Entries** Name: Homeclean Location: 1, Grendale Drive, Manchester, Lancashire, M16 9BN Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (NW)	786	-	382483 396365
91	**Contemporary Trade Directory Entries** Name: Pro Cleaners Hulme Location: 17c, Chichester Road South, Manchester, M15 5PL Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	789	-	383389 396155
92	**Contemporary Trade Directory Entries** Name: Professional Cleaners Hulme Location: 17c Chichester Road, Manchester, Greater Manchester, M15 5PJ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	795	-	383305 396244
93	**Contemporary Trade Directory Entries** Name: Cleos Cleaning Services Location: 131, Chorlton Road, MANCHESTER, M15 4JG Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	811	-	382992 396425
94	**Contemporary Trade Directory Entries** Name: Volkswagen Audi Chorlton Location: 213b, Upper Chorlton Road, Manchester, Lancashire, M16 0BH Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	858	-	382232 394960
95	**Contemporary Trade Directory Entries** Name: Furniture Workshop Location: 213, Upper Chorlton Road, Manchester, Lancashire, M16 0BH Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	869	-	382173 395002
95	**Contemporary Trade Directory Entries** Name: The Morris Miner Millennium Co Location: 213, Upper Chorlton Road, Manchester, M16 0BH Classification: Classic Car Specialists **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	869	-	382173 395002
96	**Contemporary Trade Directory Entries** Name: A.C.S. Cleaning Services Location: 14, Northumberland Road, Manchester, M16 9DP Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	876	-	382247 396329

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	**Contemporary Trade Directory Entries** Name: A C S Office Cleaning Services Location: 14, Northumberland Road, Manchester, M16 9DP Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	876	-	382247 396329
97	**Contemporary Trade Directory Entries** Name: Thermofrost Cryo Location: 530, Stretford Road, Manchester, M16 9AF Classification: Refrigeration Equipment Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	879	-	382371 396415
97	**Contemporary Trade Directory Entries** Name: Refrigerator Components Location: 530, Stretford Road, Manchester, M16 9AF Classification: Refrigeration Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	879	-	382371 396415
97	**Contemporary Trade Directory Entries** Name: R C L Devision Of Thermofrost Plc Location: 530, Stretford Road, Manchester, M16 9AF Classification: Refrigeration Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	879	-	382371 396415
97	**Contemporary Trade Directory Entries** Name: Wallguard Location: Progress House, 39, Northumberland Road, Manchester, M16 9AN Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	916	-	382346 396443
98	**Contemporary Trade Directory Entries** Name: Global Garage Location: 52, Chorlton Road, Manchester, M15 4AU Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	888	-	382955 396513
99	**Contemporary Trade Directory Entries** Name: Justakajamesdesigns Location: 234, Greenheys Lane West, Manchester, M15 5AF Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	904	-	383454 396254
100	**Contemporary Trade Directory Entries** Name: P F Jones Quality Service Value Location: Nuttall Street, Manchester, Greater Manchester, M16 9JA Classification: Diesel Engine Equipment & Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	935	-	382186 396357
100	**Contemporary Trade Directory Entries** Name: P F Jones Ltd Location: Nuttall Street, Manchester, Lancashire, M16 9JA Classification: Diesel Fuel Injection Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	935	-	382186 396357
100	**Contemporary Trade Directory Entries** Name: Akwil Av Ltd Location: 493-495, Chester Road, Manchester, M16 9HF Classification: Automation Systems & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	978	-	382161 396392
101	**Contemporary Trade Directory Entries** Name: T J Autos Location: 19, Lucy Street, Manchester, M15 4BX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	936	-	382788 396577
101	**Contemporary Trade Directory Entries** Name: John Gledhill Location: 19, Lucy Street, Manchester, M15 4BX Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NW (N)	936	-	382788 396577

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	**Contemporary Trade Directory Entries** Name: Brownall Nabic Location: Stretford Road, Manchester, M16 9AR Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	941	-	382281 396434
103	**Contemporary Trade Directory Entries** Name: D J S Electrical Manufacturers Ltd Location: Suite 3a, Trafford Plaza, Seymour Grove, Manchester, M16 0LD Classification: Electrical Goods - Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	956	-	381864 395921
103	**Contemporary Trade Directory Entries** Name: Economy Power Location: Suite 7c, Trafford Plaza, Seymour Grove, Manchester, M16 0LD Classification: Electricity Companies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	956	-	381864 395921
103	**Contemporary Trade Directory Entries** Name: Lami Doors Uk Ltd Location: Suite 5b, Trafford Plaza, Seymour Grove, Manchester, M16 0LD Classification: Door Manufacturers - Industrial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	956	-	381864 395921
103	**Contemporary Trade Directory Entries** Name: Gradelet Location: Suite 6a,Trafford Plaza,Seymour Gr, Manchester, Lancashire, M16 0LD Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	957	-	381864 395921
104	**Contemporary Trade Directory Entries** Name: Engravings Services Ltd Location: 21, Radnor Street, Hulme, Manchester, M15 5RD Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (E)	960	-	383716 395973
105	**Contemporary Trade Directory Entries** Name: County Beauty Clinic Ltd Location: 251, Seymour Grove, Manchester, M16 0DS Classification: Electrolysis **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	963	-	381982 395083
106	**Contemporary Trade Directory Entries** Name: Old Trafford Service Station Location: 499, Chester Road, Manchester, M16 9HF Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NW (NW)	975	-	382124 396355
106	**Contemporary Trade Directory Entries** Name: Texaco Location: 499, Chester Road, Manchester, M16 9HF Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NW (NW)	975	-	382124 396355
106	**Contemporary Trade Directory Entries** Name: Old Trafford Service Station Location: 499, Chester Road, Manchester, M16 9HF Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NW (NW)	975	-	382124 396355
107	**Contemporary Trade Directory Entries** Name: Aquatech - Pressmain Location: Dolphin House, 130, Princess Road, Manchester, Lancashire, M16 7BY Classification: Pumps - Sales, Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	983	-	383795 395798
107	**Contemporary Trade Directory Entries** Name: Aquatech Pressmain Location: Dolphin House, 130, Princess Road, Manchester, M16 7BY Classification: Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	983	-	383795 395798

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	**Contemporary Trade Directory Entries** Name: Clifford & Ree Ltd Location: 473-475, Chester Road, Manchester, M16 9HF Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	987	-	382203 396436
108	**Contemporary Trade Directory Entries** Name: Temperature Control Ltd Location: 2a, Chorlton Street, Manchester, M16 9HN Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	987	-	382212 396443
108	**Contemporary Trade Directory Entries** Name: Longford Cleaning & Maintenance Location: 483, Chester Road, Manchester, M16 9HF Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	990	-	382181 396422
108	**Contemporary Trade Directory Entries** Name: Temperature Control Ltd Location: 2a, Chorlton Street, Manchester, M16 9HN Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	991	-	382210 396446
108	**Contemporary Trade Directory Entries** Name: Harver Packaging Co Ltd Location: 479-481 Chester Road, Manchester, Greater Manchester, M16 9HF Classification: Packaging Materials Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	992	-	382189 396432
109	**Contemporary Trade Directory Entries** Name: Astec Zondo Ltd Location: Minerva House, 457, Chester Road, Manchester, M16 9HA Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	990	-	382270 396485
109	**Contemporary Trade Directory Entries** Name: Sports Creative Location: Minerva House, 457, Chester Road, Manchester, M16 9HA Classification: Container Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	990	-	382270 396485
109	**Contemporary Trade Directory Entries** Name: Pillans & Waddies Location: 455, Chester Road, Manchester, M16 9HA Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	991	-	382274 396489
110	**Contemporary Trade Directory Entries** Name: Stretford Memorial Hospital Location: 226, Seymour Grove, Manchester, M16 0DU Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	997	-	381895 395160
111	**Fuel Station Entries** Name: Save Firswood Location: Upper Chorlton Road Darnley Street, Whalley Range , Manchester, Greater Manchester, M16 7RW Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Located by supplier to within 100m	A13SE (E)	9	-	382833 395608
112	**Fuel Station Entries** Name: Range Garage Location: 131, Withington Road Range Road, Whalley Range , Manchester, Greater Manchester, M16 8EE Brand: Unbranded Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	525	-	383025 395100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	**Fuel Station Entries** Name: Old Trafford Service Station Location: 499-501, Chester Road Nuttall Street, Old Trafford , Manchester, Greater Manchester, M16 9HF Brand: Unbranded Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A17NW (NW)	975	-	382124 396355
114	**Points of Interest - Commercial Services** Name: Magic Fit Location: 1 Crofton Street, Old Trafford, Manchester, M16 9LY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	63	9	382740 395683
115	**Points of Interest - Commercial Services** Name: Auto Technik Location: 45-49 Upper Chorlton Road, Manchester, M16 7RW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	112	9	382890 395697
115	**Points of Interest - Commercial Services** Name: Auto Technik Location: 45-49 Upper Chorlton Road, Manchester, M16 7RW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	113	9	382891 395698
116	**Points of Interest - Commercial Services** Name: Ali Babas Car Valeting Service Location: 10 Catesby Road, Manchester, M16 7ET Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SE (SE)	278	9	382991 395364
117	**Points of Interest - Commercial Services** Name: Eagle Services Location: 146 Shrewsbury Street, Manchester, M16 7NY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SW (N)	348	9	382731 395985
117	**Points of Interest - Commercial Services** Name: St Bride Street Garage Location: 5 St. Bride Street, Manchester, M16 9LS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (N)	385	9	382670 396008
117	**Points of Interest - Commercial Services** Name: St Bride's Street Garage Location: 5 St. Bride Street, Manchester, M16 9LS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (N)	385	9	382670 396008
118	**Points of Interest - Commercial Services** Name: Crystal Shine Location: Car Wash Adjacent 117, Withington Road, Manchester, M16 8EE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (SE)	379	9	383007 395254
119	**Points of Interest - Commercial Services** Name: The Bamboo Group Ltd Location: Unit 11 The Windrush Millenium Centre 70, Alexandra Road, Manchester, M16 7WD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	450	9	383276 395520
120	**Points of Interest - Commercial Services** Name: Range Garage Location: 131 Withington Road, Manchester, M16 8EE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	533	9	383026 395093

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	**Points of Interest - Commercial Services** Name: Range Garage Location: 131 Withington Road, Manchester, M16 8EE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	533	9	383026 395093
121	**Points of Interest - Commercial Services** Name: Car MOT Station Location: 75 Cornbrook Street, Manchester, M16 7QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	576	9	382902 396206
121	**Points of Interest - Commercial Services** Name: Car & Light Commercial M O T Station Location: 77 Cornbrook Street, Manchester, M16 7QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	576	9	382902 396205
121	**Points of Interest - Commercial Services** Name: Chris's Auto Repairs Location: 75 Cornbrook Street, Manchester, M16 7QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	576	9	382902 396206
121	**Points of Interest - Commercial Services** Name: Car & Light Commercial MOT Station Location: 77 Cornbrook Street, Old Trafford, M16 7QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	577	9	382902 396206
121	**Points of Interest - Commercial Services** Name: Car & Light Commercial MOT Station Location: 77 Cornbrook St, Manchester, Lancashire, M16 7QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	577	9	382902 396206
121	**Points of Interest - Commercial Services** Name: McDonald White Motor Engineers Location: 69 Cornbrook Street, Manchester, M16 7QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	593	9	382881 396227
121	**Points of Interest - Commercial Services** Name: McDonald White Motor Engineers Location: 69 Cornbrook Street, Manchester, M16 7QB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	593	9	382881 396227
121	**Points of Interest - Commercial Services** Name: Express Cargo UK Ltd Location: 88-90 Chorlton Road, Old Trafford, M15 4AN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SE (N)	610	9	382931 396234
121	**Points of Interest - Commercial Services** Name: D S Y Automotive Location: 86 Chorlton Road, Old Trafford, M15 4AN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	619	9	382920 396246
121	**Points of Interest - Commercial Services** Name: Tyre Vulcanising Heywood Ltd Location: 86 Chorlton Road, Old Trafford, M15 4AN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (N)	621	9	382921 396247
122	**Points of Interest - Commercial Services** Name: Russell Garage Ltd Location: 31a Russell Road, Manchester, M16 8DJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	635	9	382767 394951

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	**Points of Interest - Commercial Services** Name: Russell Garage Location: 31a Russell Road, Manchester, M16 8DJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	641	9	382766 394945
123	**Points of Interest - Commercial Services** Name: Morris Minor Millennium Co Location: 215 Upper Chorlton Road, Manchester, M16 0BH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	870	9	382173 395001
124	**Points of Interest - Commercial Services** Name: Xceptional (UK) International Ltd Location: 22 East Union St, Manchester, Lancashire, M16 9AE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17NE (NW)	884	9	382426 396448
125	**Points of Interest - Commercial Services** Name: Global Garage Location: 52 Chorlton Road, Manchester, M15 4AU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	888	9	382955 396513
126	**Points of Interest - Commercial Services** Name: Repair A Screen Location: 32 Holdgate Close, Manchester, M15 5EP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	925	9	383405 396329
126	**Points of Interest - Commercial Services** Name: Repair A Screen Location: 32 Holdgate Close, Manchester, M15 5EP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	926	9	383405 396330
127	**Points of Interest - Commercial Services** Name: P F Jones Ltd Location: Nuttall Street, Manchester, M16 9JA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	935	9	382186 396357
127	**Points of Interest - Commercial Services** Name: Pf Jones Location: Nuttall Street, Manchester, M16 9JA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	935	9	382186 396357
127	**Points of Interest - Commercial Services** Name: P F Jones Location: Nuttall Street, Manchester, M16 9JA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	935	9	382186 396357
127	**Points of Interest - Commercial Services** Name: Old Trafford Service Station Location: 499 Chester Road, Manchester, M16 9HF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17NW (NW)	975	9	382124 396355
127	**Points of Interest - Commercial Services** Name: Car Wash Location: 499 Chester Road, Manchester, M16 9HF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17NW (NW)	975	9	382124 396355
128	**Points of Interest - Commercial Services** Name: T J Autos Location: 19 Lucy Street, Manchester, M15 4BX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	936	9	382788 396577

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	**Points of Interest - Education and Health** Name: Spire Manchester Hospital Location: Manchester Hospital, Russell Road, Manchester, M16 8AJ Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A8NW (SW)	430	9	382618 395205
129	**Points of Interest - Education and Health** Name: Spire Manchester Hospital Location: Manchester Hospital, Russell Road, Manchester, M16 8AJ Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A8NW (SW)	430	9	382618 395205
130	**Points of Interest - Education and Health** Name: Stretford Memorial Hospital Location: Social Services Dept Stretford Memorial Hospital 226, Seymour Grove, Old Trafford, M16 0LQ Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A7NW (SW)	997	9	381895 395160
130	**Points of Interest - Education and Health** Name: Stretford Memorial Hospital Location: 226 Seymour Grove, Manchester, M16 0DU Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A7NW (SW)	997	9	381895 395160
131	**Points of Interest - Manufacturing and Production** Name: Works Location: M16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	259	9	382915 395866
132	**Points of Interest - Manufacturing and Production** Name: Works Location: M16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	336	9	382482 395793
133	**Points of Interest - Manufacturing and Production** Name: Works Location: M16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	382	9	382585 395965
134	**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 (SE)	542	9	383081 395109
135	**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)	573	9	382420 396081
135	**Points of Interest - Manufacturing and Production** Name: Works Location: M16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	575	9	382416 396080
136	**Points of Interest - Manufacturing and Production** Name: Natural Marble Ltd Location: 73 Cornbrook Street, Manchester, M16 7QB Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A18SE (N)	584	9	382892 396215
137	**Points of Interest - Manufacturing and Production** Name: Kinetica Energy Location: Trafford Plaza, Seymour Grove, Manchester, M16 0LD Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to address or location	A12NW (W)	956	9	381864 395921

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	**Points of Interest - Public Infrastructure** Name: Greater Manchester Police Location: Manchester, M16 0RE Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A13NW (W)	128	9	382649 395651
139	**Points of Interest - Public Infrastructure** Name: Range Garage Location: 131 Withington Road, Manchester, M16 8EE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	525	9	383025 395100
139	**Points of Interest - Public Infrastructure** Name: Range Garage Location: 131 Withington Road, Manchester, M16 8EE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	533	9	383026 395093
140	**Points of Interest - Public Infrastructure** Name: Casade Security Ltd Location: 105 Eagle Court, Manchester, Lancashire, M15 5QE Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A19SW (NE)	599	9	383158 396111
141	**Points of Interest - Public Infrastructure** Name: Recycle-It Location: 86-90 Chorlton Road, Manchester, M15 4AN Category: Infrastructure and Facilities Class Code: Recycling Centres Positional Accuracy: Positioned to address or location	A18SE (N)	620	9	382921 396247
142	**Points of Interest - Public Infrastructure** Name: A N G Disposals Location: 62 Northumberland Road, Old Trafford, M16 9PP Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A17SE (NW)	760	9	382147 396056
143	**Points of Interest - Public Infrastructure** Name: Fire Location: Moss Side Fire Station 9, Denhill Road, Manchester, M15 5NR Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A14NE (E)	972	9	383745 395930
143	**Points of Interest - Public Infrastructure** Name: Greater Manchester Fire & Rescue Services Location: Moss Side Fire Station 9, Denhill Road, Manchester, M15 5NR Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A14NE (E)	972	9	383745 395930
143	**Points of Interest - Public Infrastructure** Name: Moss Side Fire Station Location: Moss Side Fire Station 9, Denhill Road, Manchester, M15 5NR Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A14NE (E)	979	9	383747 395947
144	**Points of Interest - Public Infrastructure** Name: Old Trafford Service Station Location: 499 Chester Road, Manchester, M16 9HF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17NW (NW)	975	9	382124 396355
144	**Points of Interest - Public Infrastructure** Name: Texaco Location: 499 Chester Road, Manchester, M16 9HF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17NW (NW)	975	9	382124 396355
144	**Points of Interest - Public Infrastructure** Name: Old Trafford Sstn Location: 499 Chester Road, Manchester, M16 9HF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17NW (NW)	975	9	382124 396355

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	**Points of Interest - Public Infrastructure** Name: Old Trafford Service Station Location: 499 Chester Road, Manchester, M16 9HF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17NW (NW)	975	9	382124 396355
144	**Points of Interest - Public Infrastructure** Name: Old Trafford Service Station Location: 499 Chester Road, Manchester, M16 9HF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17NW (NW)	975	9	382124 396355
144	**Points of Interest - Public Infrastructure** Name: Old Trafford Service Station Location: 499 Chester Road, Manchester, M16 9HF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17NW (NW)	975	9	382124 396355
145	**Points of Interest - Recreational and Environmental** Name: Playground Location: Alexandra Road, M16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	532	9	383363 395636
145	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	540	9	383371 395637
146	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	538	9	383091 396085
146	**Points of Interest - Recreational and Environmental** Name: Playground Location: Clayton Close, M15 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A18SE (NE)	541	9	383096 396085
147	**Points of Interest - Recreational and Environmental** Name: Playground Location: Sargent Drive, M16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14NW (E)	653	9	383442 395832
148	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Carriage Street, M16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	696	9	382857 396333
149	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	757	9	382268 396192
149	**Points of Interest - Recreational and Environmental** Name: Playground Location: Northumberland Road, M16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17SE (NW)	760	9	382268 396196
150	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	777	9	383609 395565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	**Points of Interest - Recreational and Environmental** Name: Playground Location: Great Western Street, M16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SE (E)	777	9	383609 395565
151	**Points of Interest - Recreational and Environmental** Name: Play Area Location: M16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	791	9	382033 395901
152	**Points of Interest - Recreational and Environmental** Name: Playground Location: M16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SW (W)	918	9	381918 395958
152	**Points of Interest - Recreational and Environmental** Name: Playground Location: Humphrey Road, M16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17SW (W)	936	9	381898 395955
152	**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	A17SW (W)	940	9	381893 395952
152	**Points of Interest - Recreational and Environmental** Name: Playground Location: M16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SW (W)	957	9	381881 395971

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Trafford Metropolitan Borough Council - Renewal and Environmental Protection	November 2013	Annual Rolling Update
Manchester City Council - Environmental Health Department	October 2017	Annual Rolling Update
Salford City Council - Environmental Health Department	October 2017	Annual Rolling Update
Stockport Metropolitan Borough Council - Environment Team (Land & Water)	October 2017	Annual Rolling Update
Bury Metropolitan Borough Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	April 2023	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Variable
Salford City Council - Environmental Health Department	March 2015	Variable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Variable
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Not Applicable
Salford City Council - Environmental Health Department	March 2015	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Variable
Salford City Council - Environmental Health Department	March 2015	Variable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Variable
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	April 2023	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	
Registered Radioactive Substances		
Environment Agency - North West Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - South Area	April 2023	Quarterly

Data Currency

Agency & Hydrological	Version	Update Cycle
Water Abstractions Environment Agency - North West Region	April 2023	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2023	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	April 2023	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	March 2023	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	January 2023	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	January 2023	Quarterly
Local Authority Landfill Coverage		
Bury Metropolitan Borough Council	February 2003	Not Applicable
Manchester City Council - Planning Department	February 2003	Not Applicable
Salford City Council - Environmental Health Department	February 2003	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	February 2003	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Bury Metropolitan Borough Council	October 2018	
Manchester City Council - Planning Department	October 2018	
Salford City Council - Environmental Health Department	October 2018	
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2018	
Trafford Metropolitan Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
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
Stockport Metropolitan Borough Council - Environment and Economic Development	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
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Variable
Salford City Council	June 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	June 2023	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	December 2015	As notified
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2023	Quarterly
Points of Interest - Education and Health PointX	June 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2023	Quarterly
Points of Interest - Public Infrastructure PointX	June 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	April 2023	Bi-Annually
Areas of Adopted Green Belt		
Bury Metropolitan Borough Council	July 2022	Quarterly
Manchester City Council	July 2022	Quarterly
Salford City Council	July 2022	Quarterly
Stockport Metropolitan Borough Council	July 2022	Quarterly
Trafford Metropolitan Borough Council	July 2022	Quarterly
Areas of Unadopted Green Belt		
Bury Metropolitan Borough Council	July 2022	Quarterly
Manchester City Council	July 2022	Quarterly
Salford City Council	July 2022	Quarterly
Stockport Metropolitan Borough Council	July 2022	Quarterly
Trafford Metropolitan Borough Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	April 2023	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	March 2023	Bi-Annually
Marine Nature Reserves		
Natural England	April 2023	Bi-Annually
National Nature Reserves		
Natural England	February 2023	Bi-Annually
National Parks		
Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	March 2023	Bi-Annually
Ramsar Sites		
Natural England	March 2023	Bi-Annually
Sites of Special Scientific Interest		
Natural England	March 2023	Bi-Annually
Special Areas of Conservation		
Natural England	April 2023	Bi-Annually
Special Protection Areas		
Natural England	April 2023	Bi-Annually

Data Suppliers

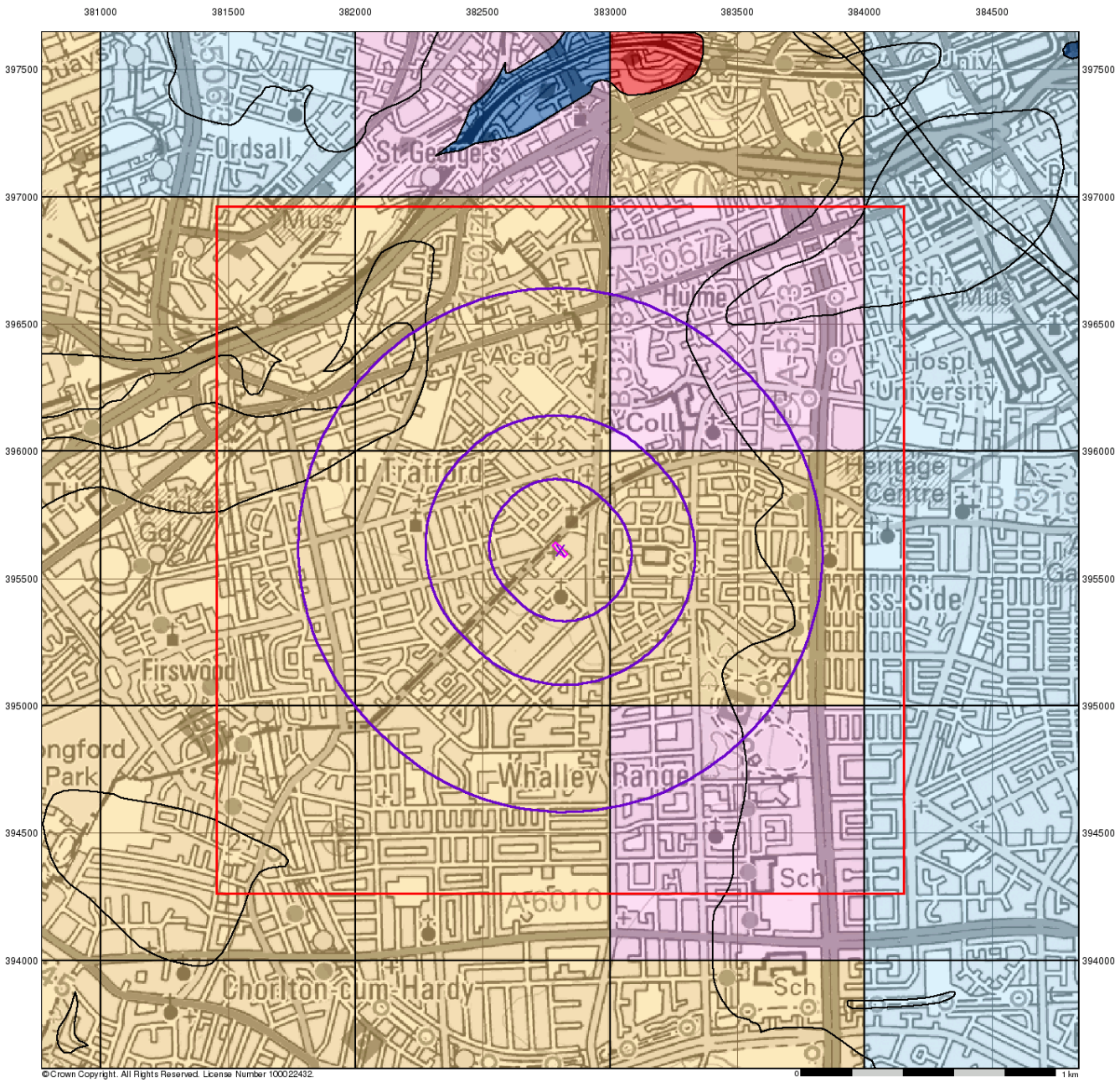
A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Trafford Metropolitan Borough Council - Environmental Health Department** P O Box 14, Trafford Town Hall, Talbot Road, Stretford, Greater Manchester, M32 0YJ	Telephone: 0161 912 4566 Fax: 0161 873 7783 Website: www.trafford.gov.uk
4	**Manchester City Council - Environmental Health Department** PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY	Telephone: 0161 234 4884 / 234 4873. Fax: 0161 234 4508 Website: www.manchester.gov.uk
5	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
6	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
7	**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
8	**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
9	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
11	**Trafford Metropolitan Borough Council** P O Box 14, Trafford Town Hall, Talbot Road, Stretford, Greater Manchester, M32 0YZ	Telephone: 0161 912 1212 Fax: 0161 873 7783 Website: www.trafford.gov.uk
12	**Manchester City Council** Town Hall, Albert Square, Manchester, Greater Manchester, M60 2JT	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Groundwater Vulnerability

General

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

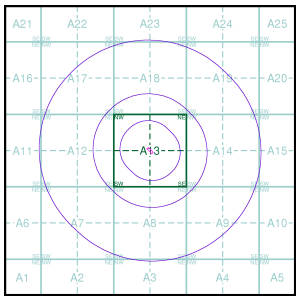
Agency and Hydrological

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



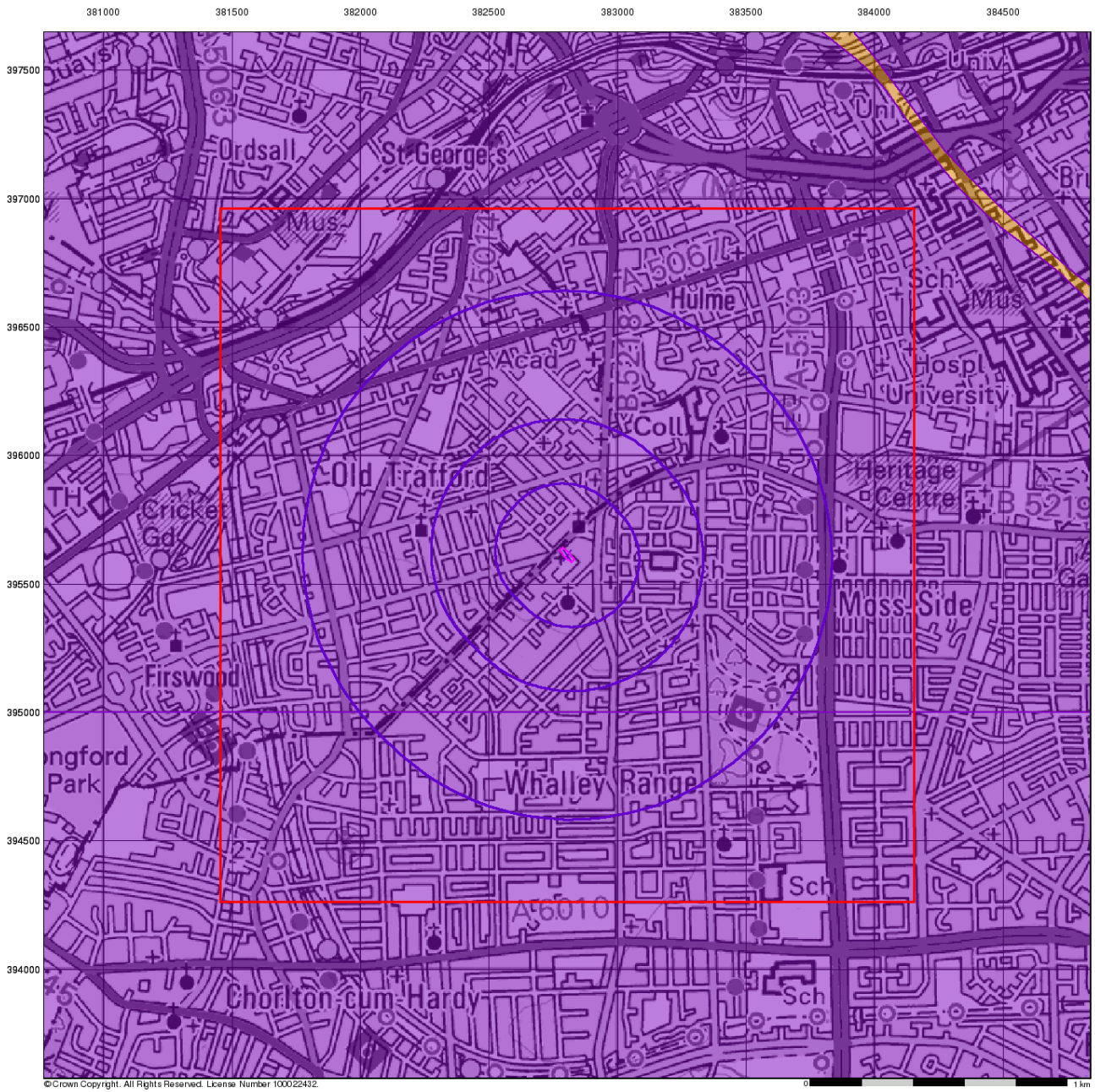
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Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ

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



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Bedrock Aquifer Designation

General

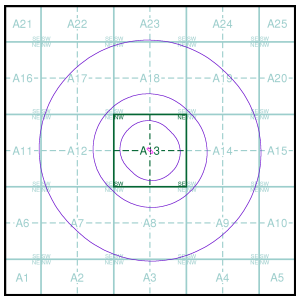
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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

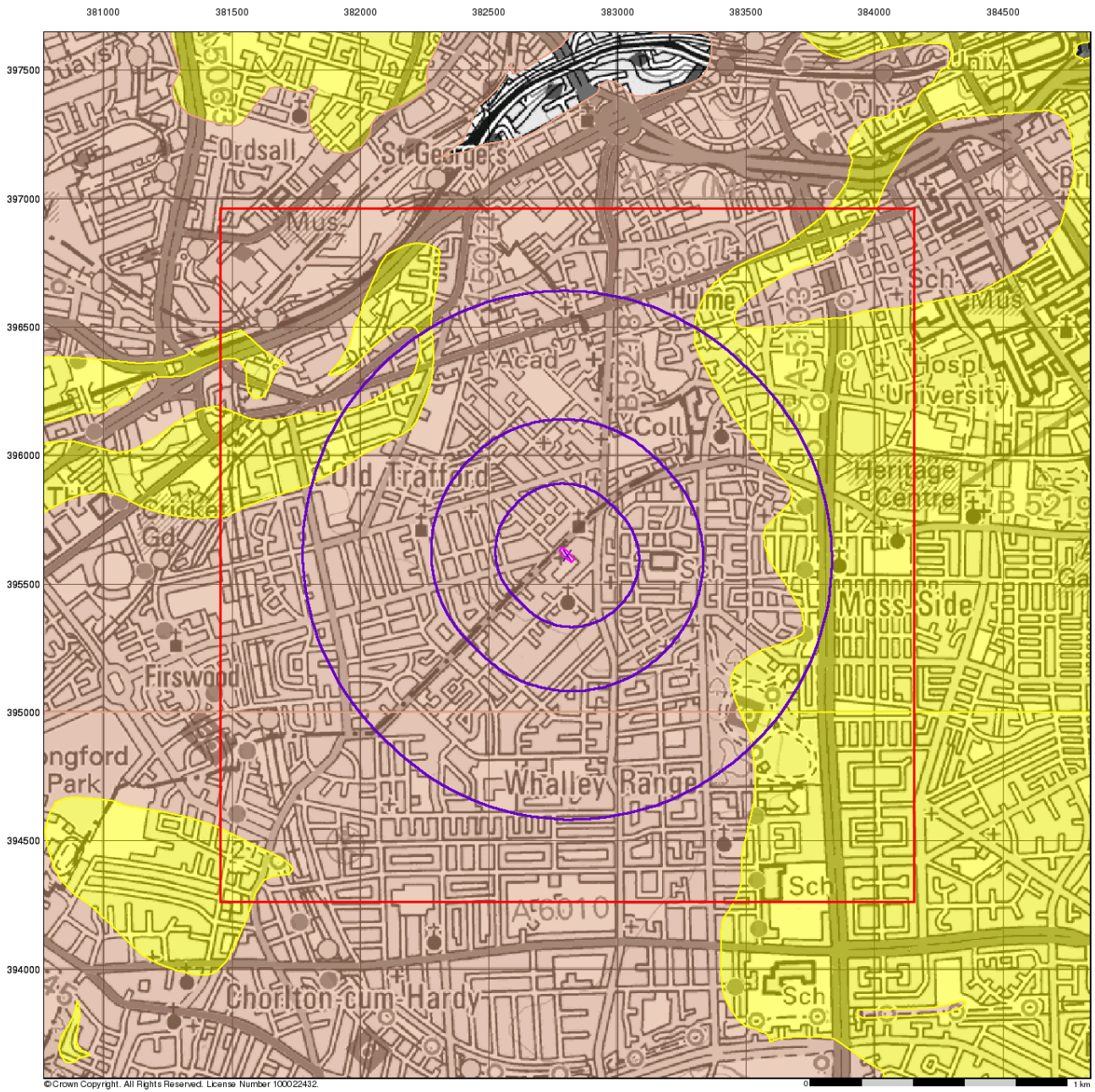


Order Details

Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ



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Superficial Aquifer Designation

General

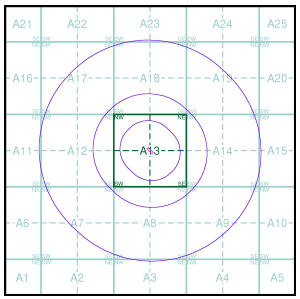
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

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

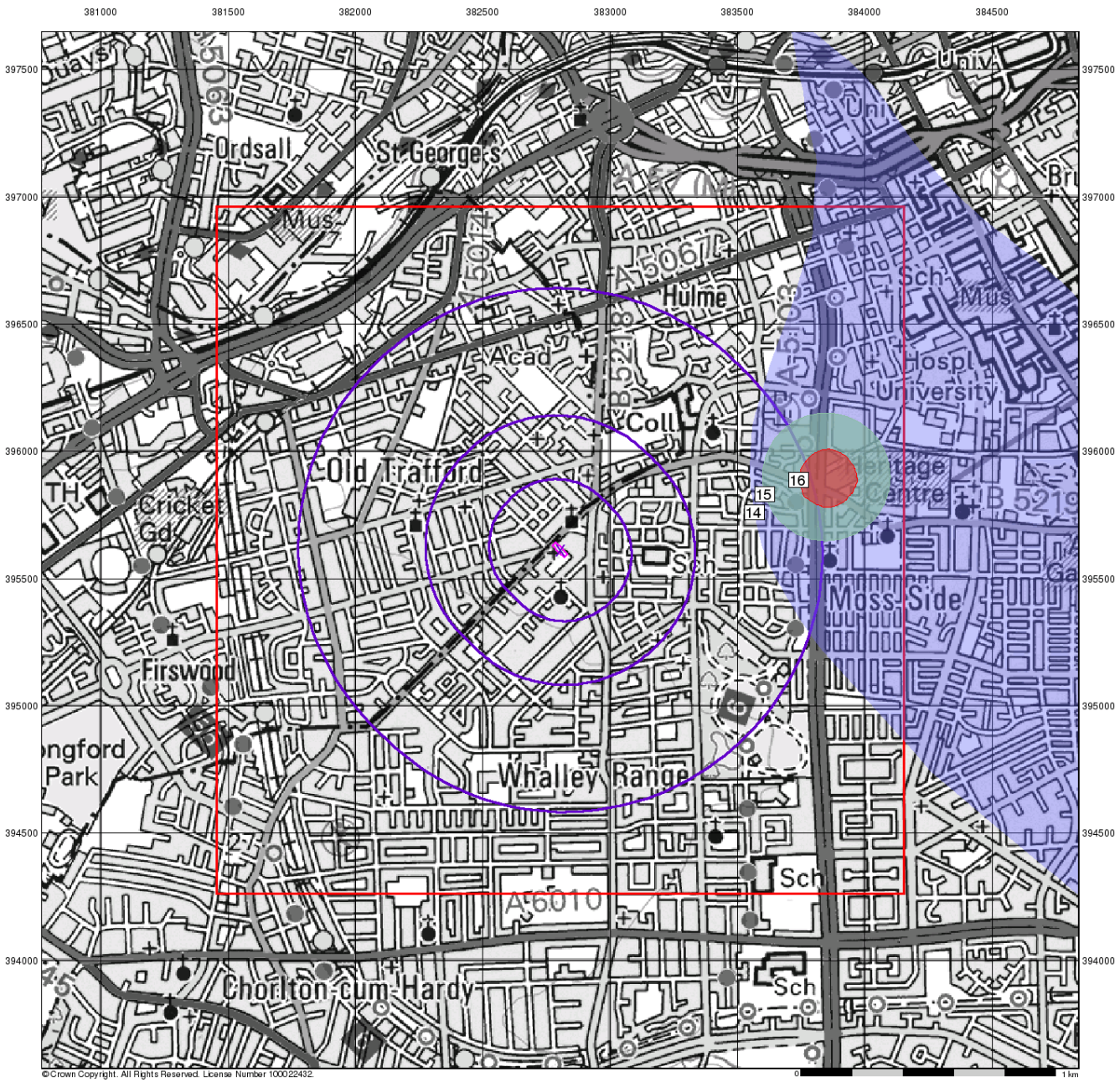


Order Details

Order Number:	313479002_1_1
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National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ



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Source Protection Zones

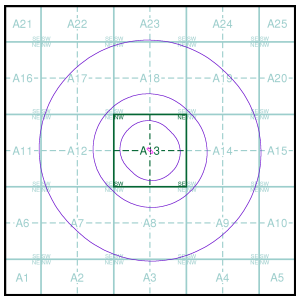
General

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

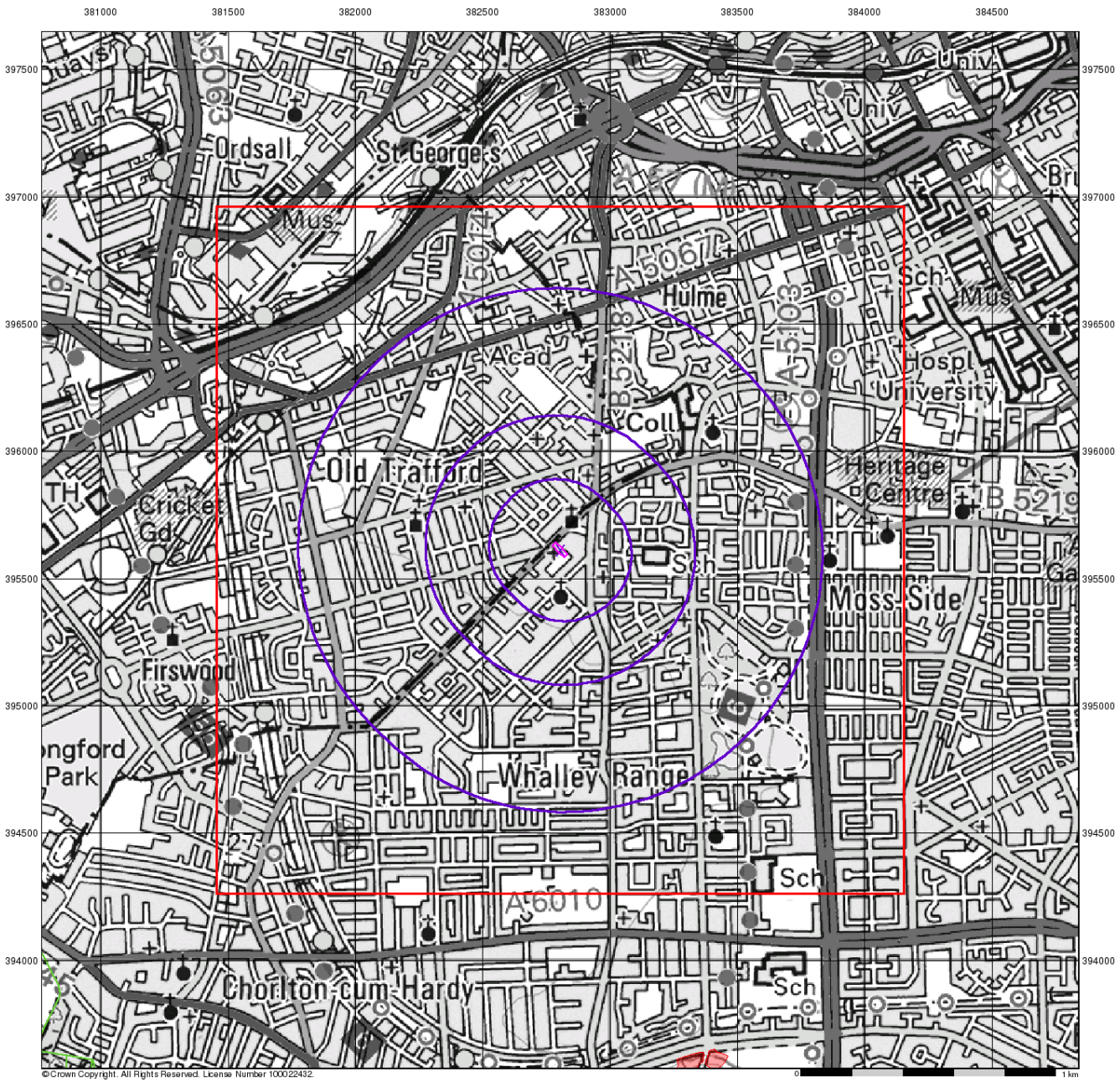


Order Details

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Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

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Sensitive Land Uses

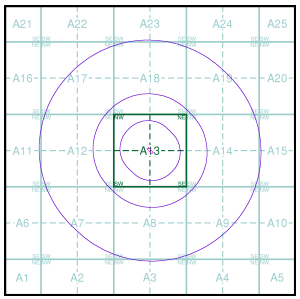
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

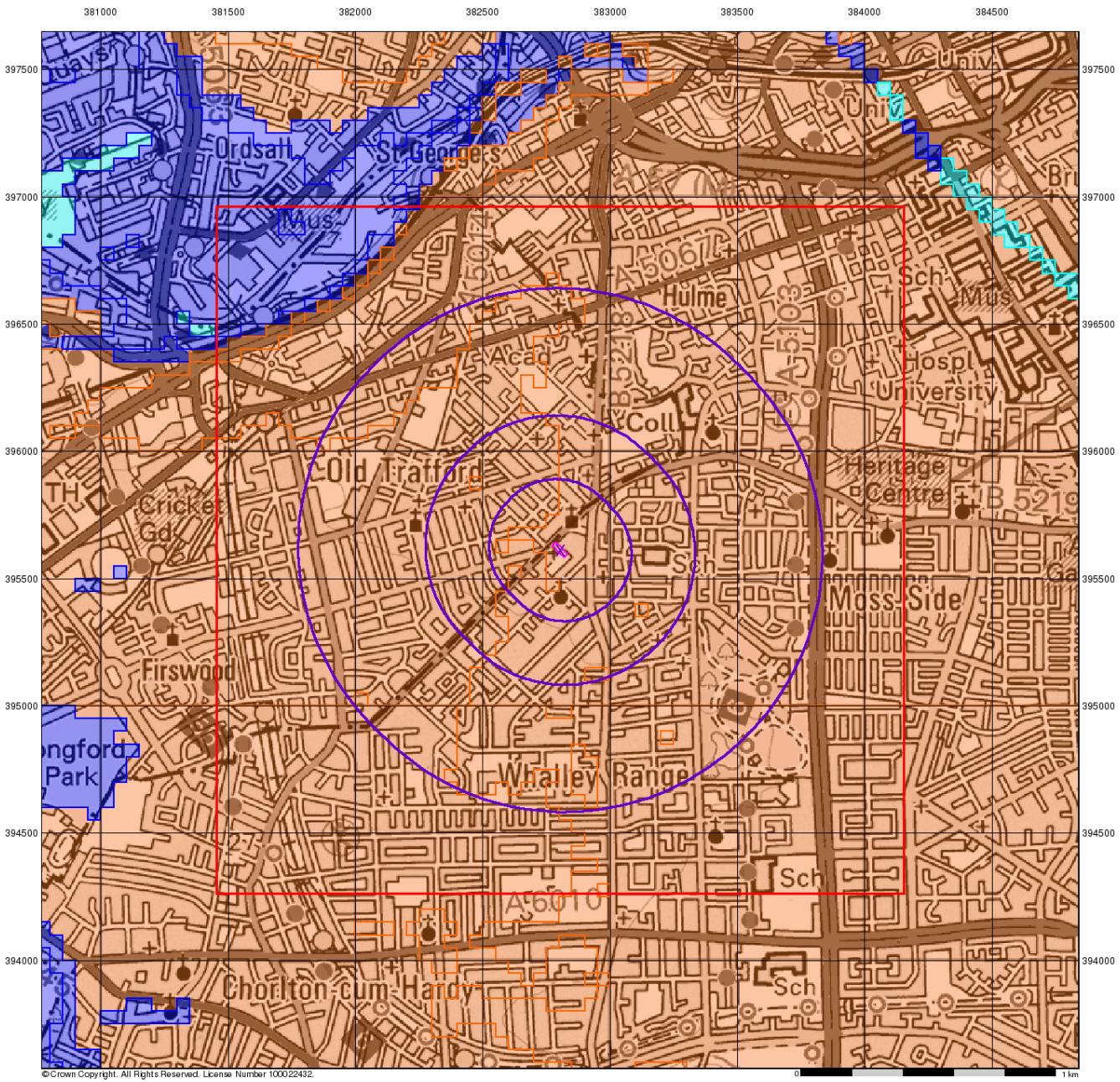


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National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

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BGS Flood GFS Data

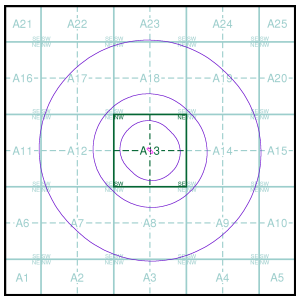
General

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:	313479002_1_1
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Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

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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

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
	SSA	Shirdley Hill Sand Formation	Sand	Not Supplied - Devensian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CHES	Chester Formation	Sandstone	Not Supplied - Olenekian
	CHES	Chester Formation	Sandstone, Pebbly (Gravelly)	Not Supplied - Olenekian
	WLSF	Wilmslow Sandstone Formation	Sandstone	Not Supplied - Early Triassic
	MM	Manchester Marls Formation	Mudstone	Not Supplied - GUADALUPIAN
		Faults		

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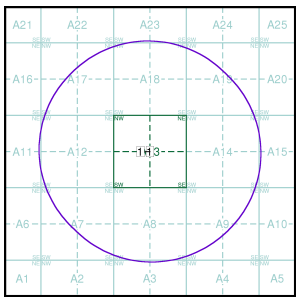
Geology 1:50,000 Maps

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

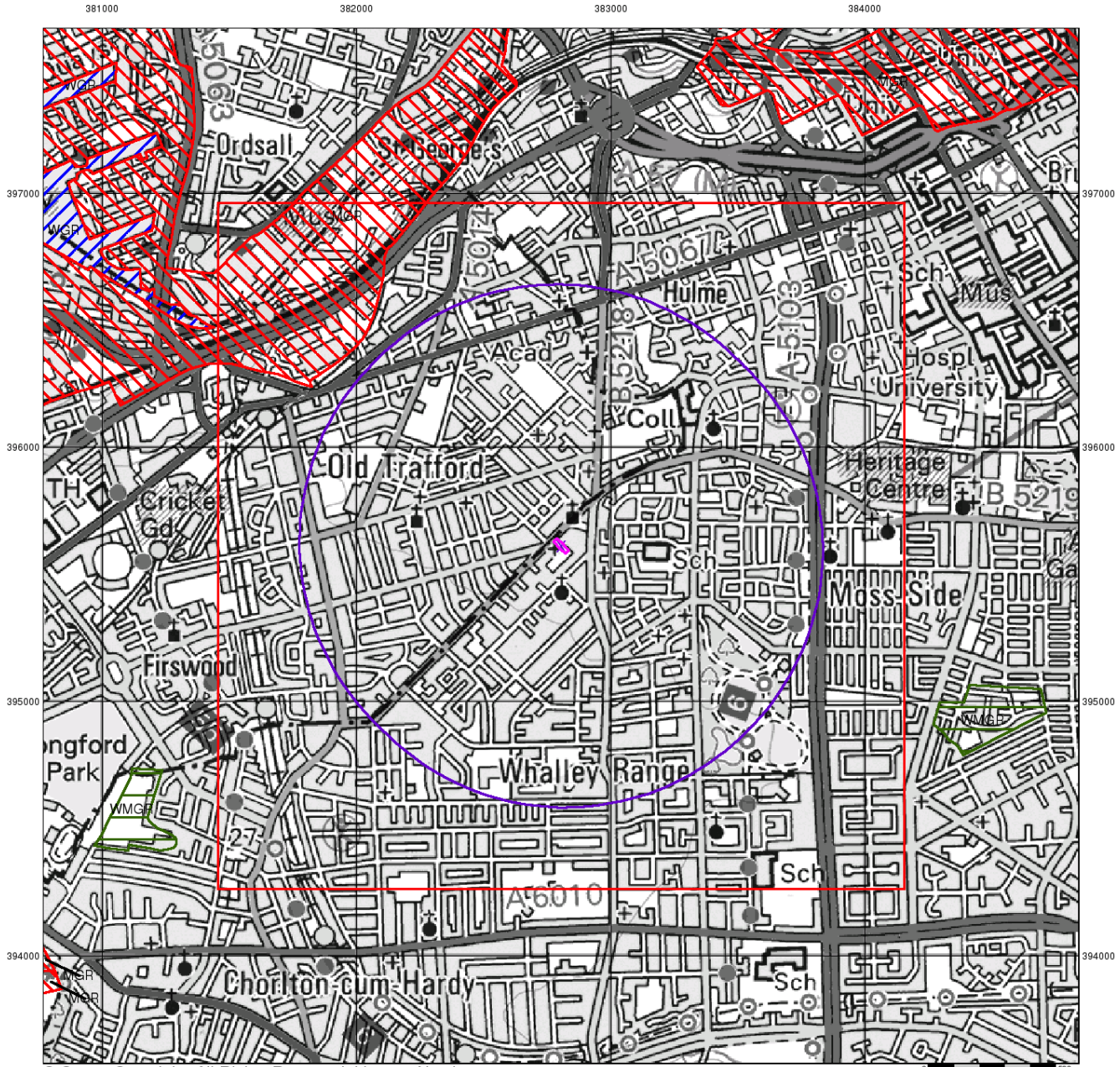


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Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

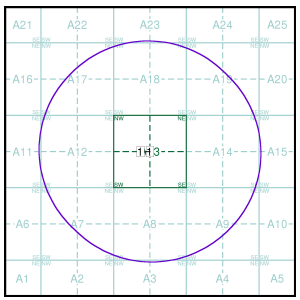
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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



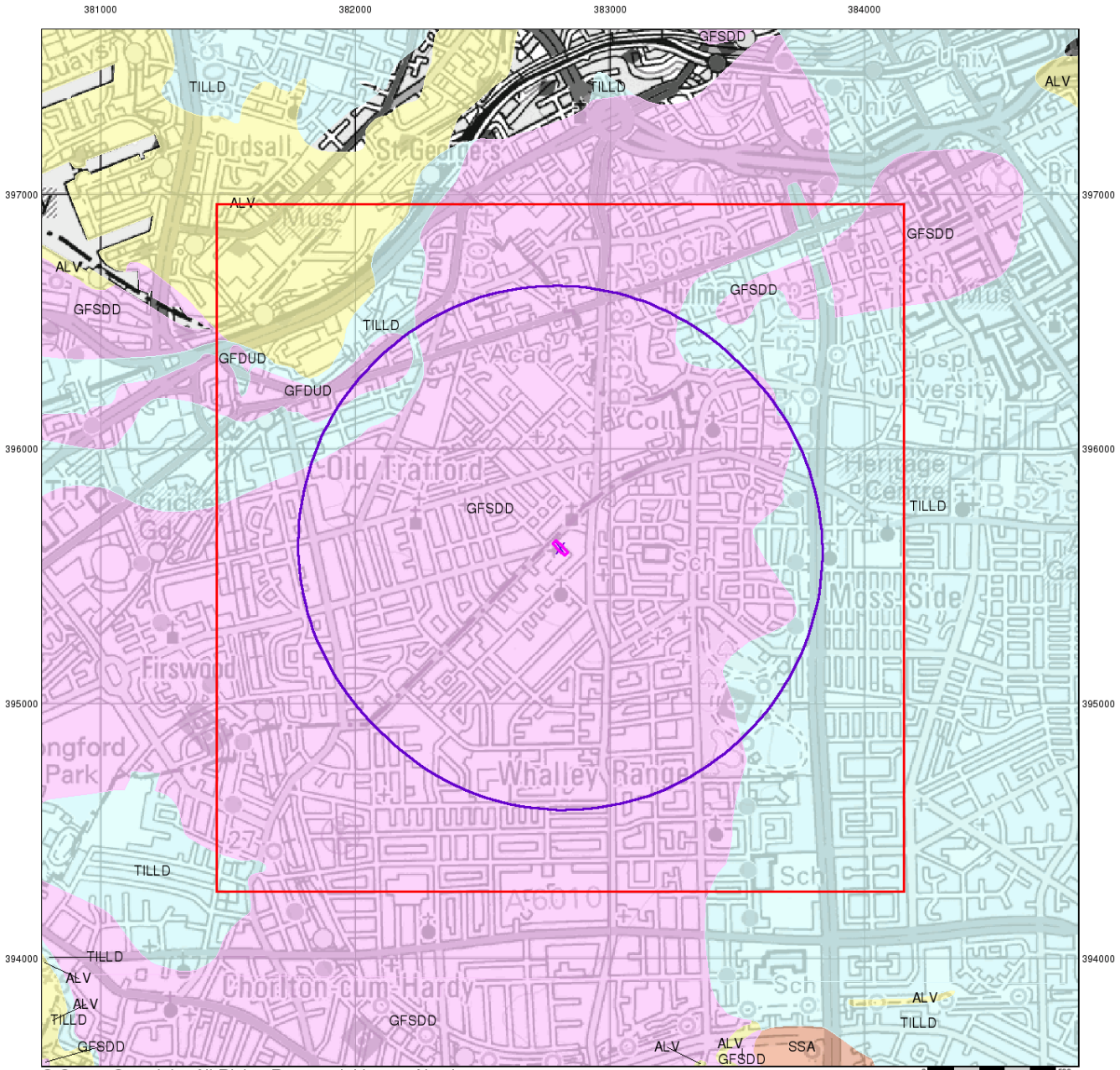
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Slice:	A
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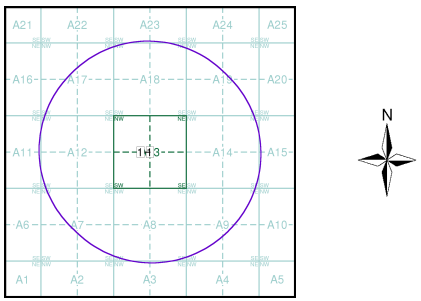
Superficial Geology

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



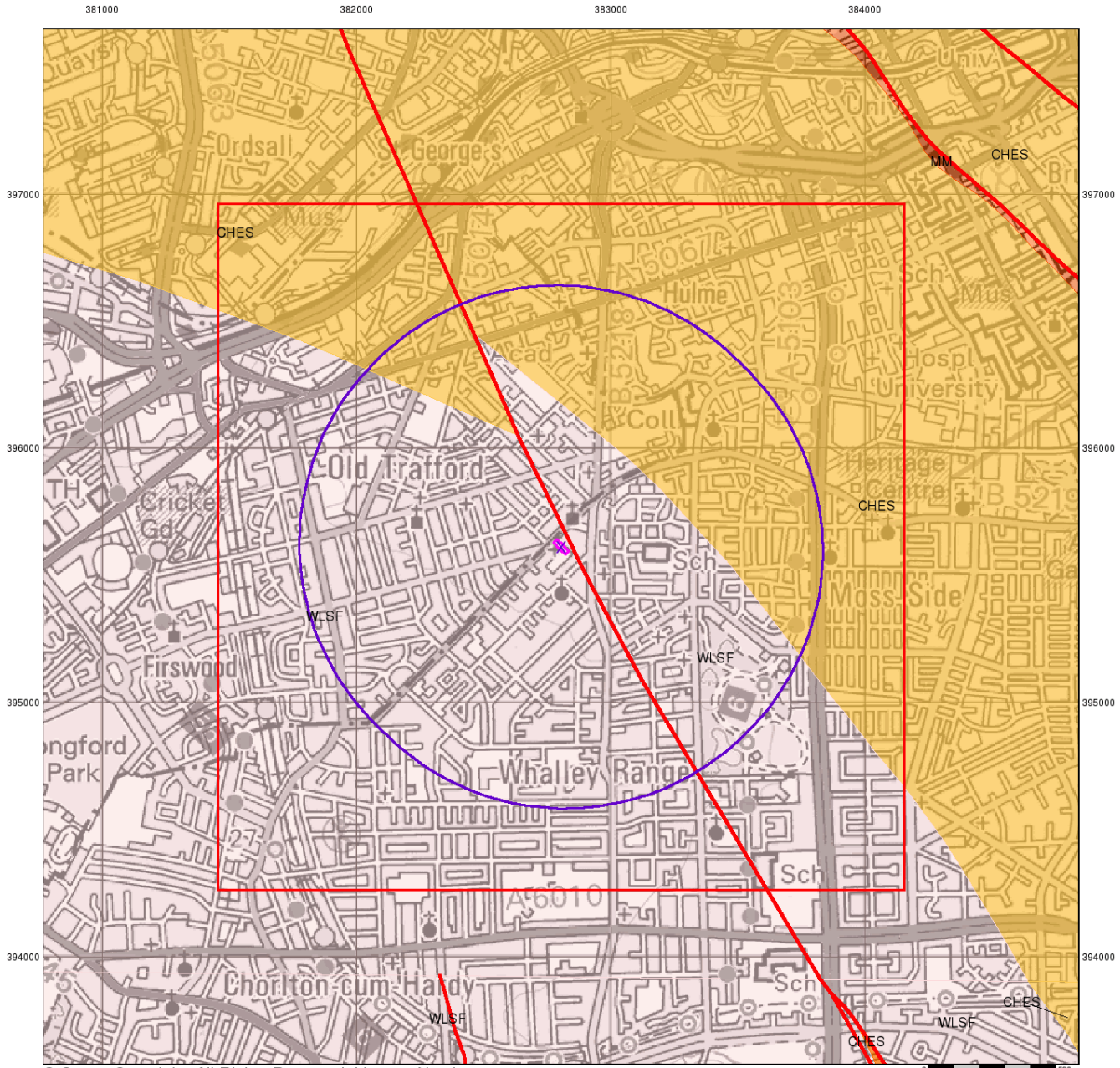
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Site Area (Ha):	0.12
Search Buffer (m):	1000

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Bedrock and Faults

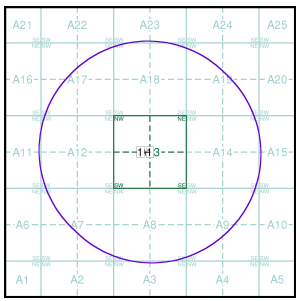
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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



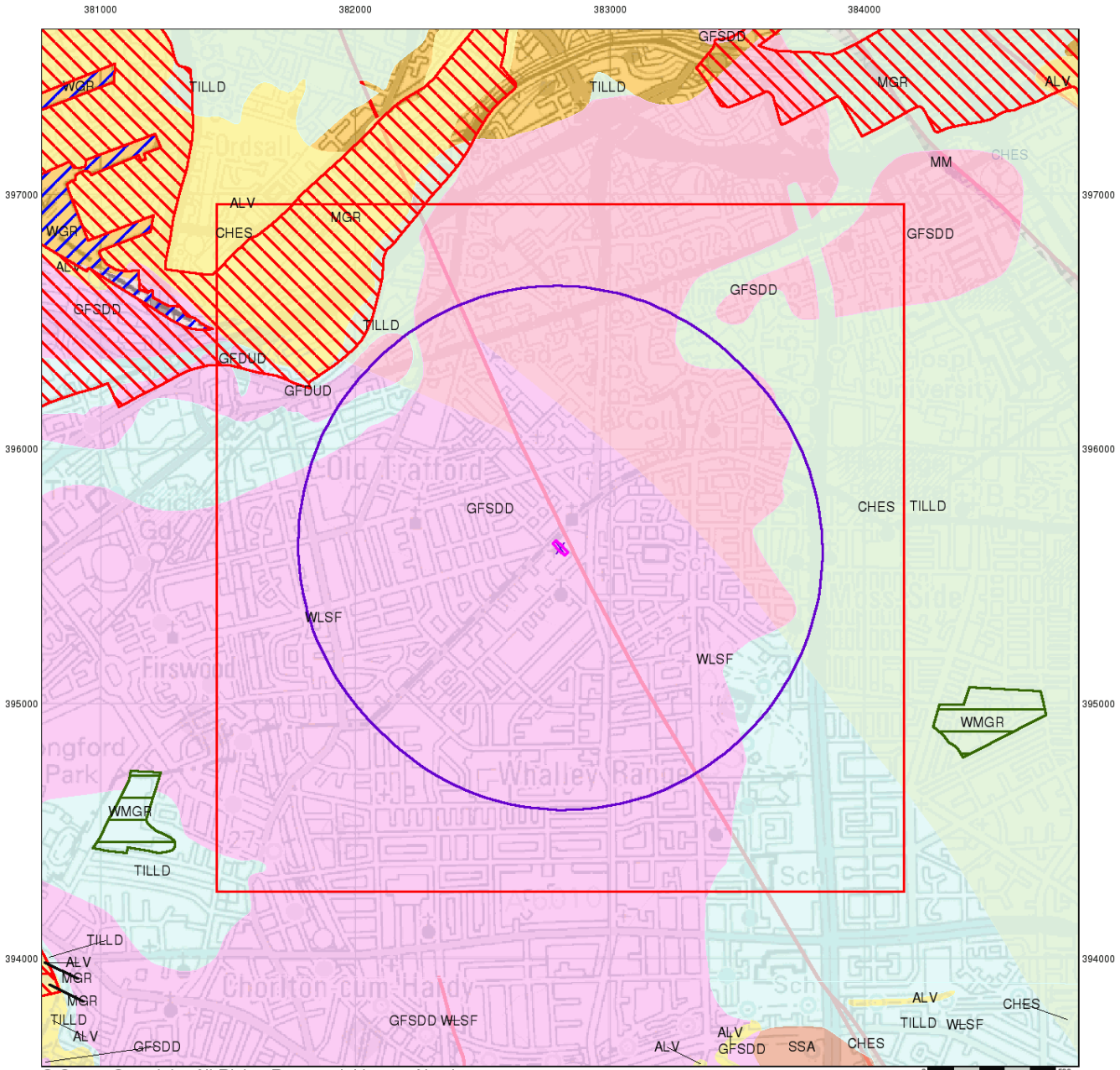
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Combined Surface Geology

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.

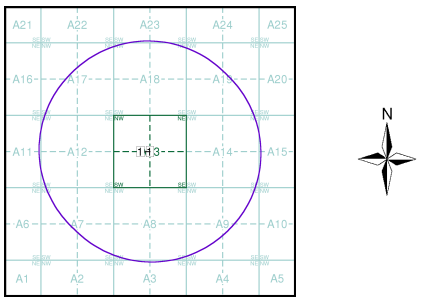
Additional Information

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

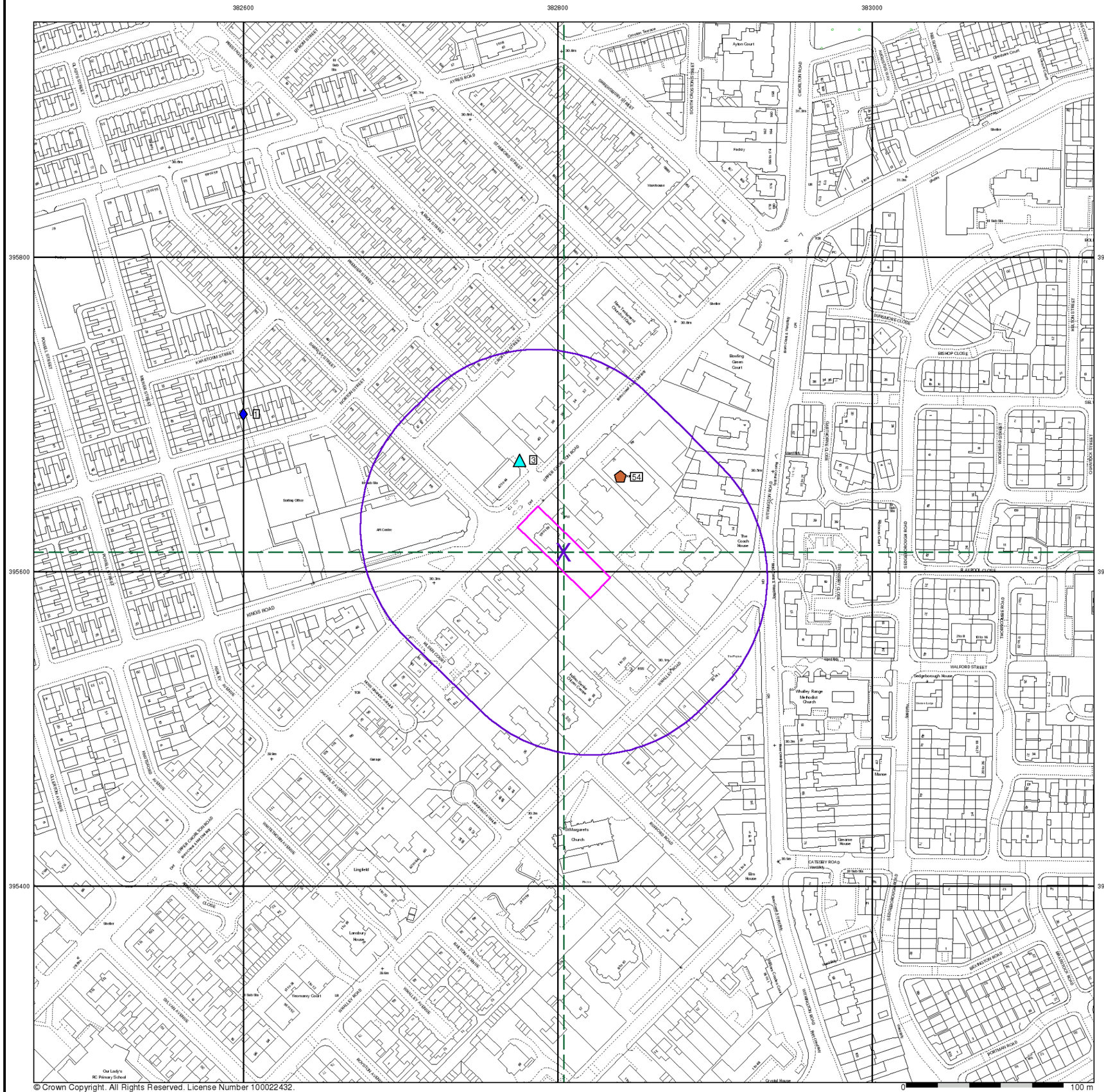


Order Details:

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Search Buffer (m):	1000

Site Details:

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LK GROUP

General

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

Agency and Hydrological

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

Hazardous Substances

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

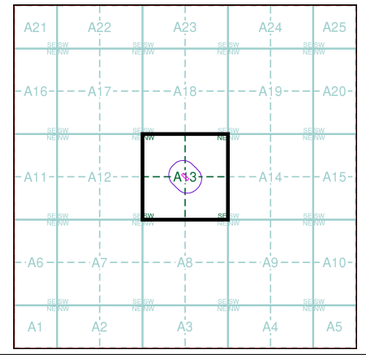
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Segment A13



Order Details

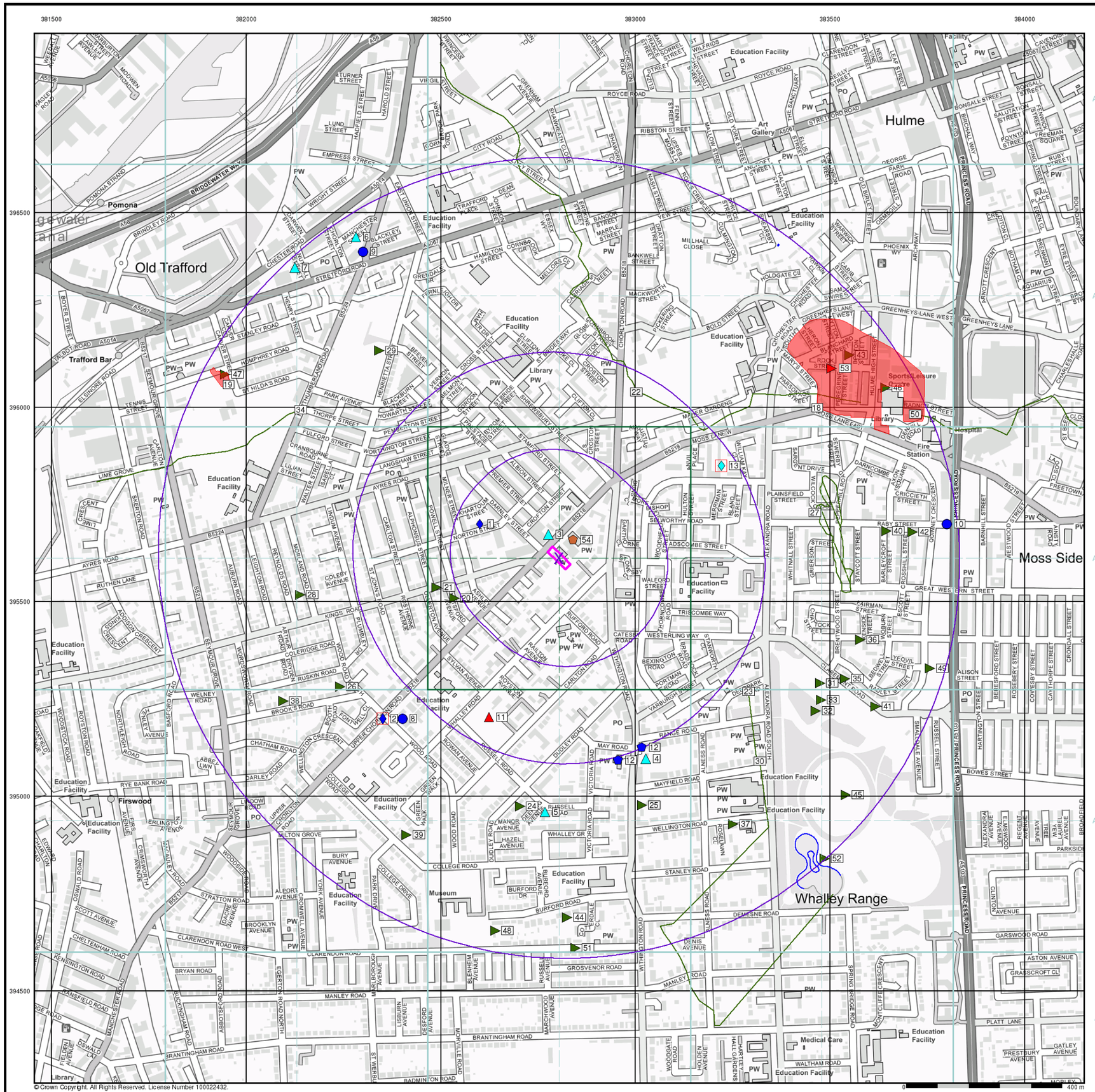
Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Plot Buffer (m):	100

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ

Landmark INFORMATION GROUP

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



LK GROUP

General

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

Agency and Hydrological

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

Hazardous Substances

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

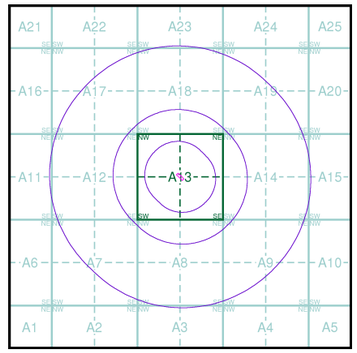
Geological

- BGS Recorded Mineral Site

Waste

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

Site Sensitivity Map - Slice A



Order Details

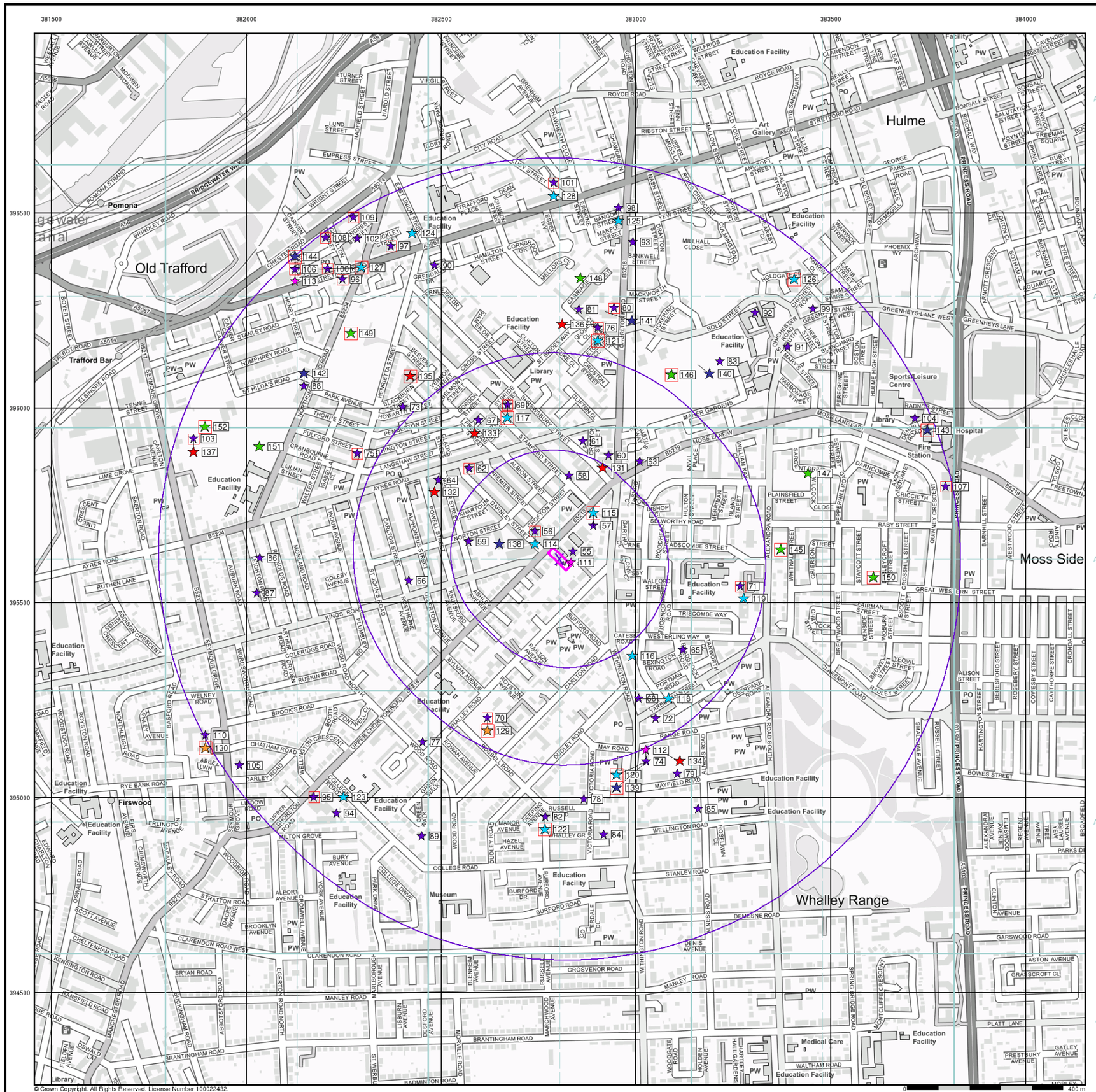
Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ

Landmark INFORMATION GROUP

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LK GROUP

Industrial Land Use Map

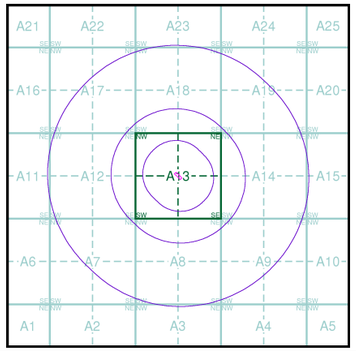
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

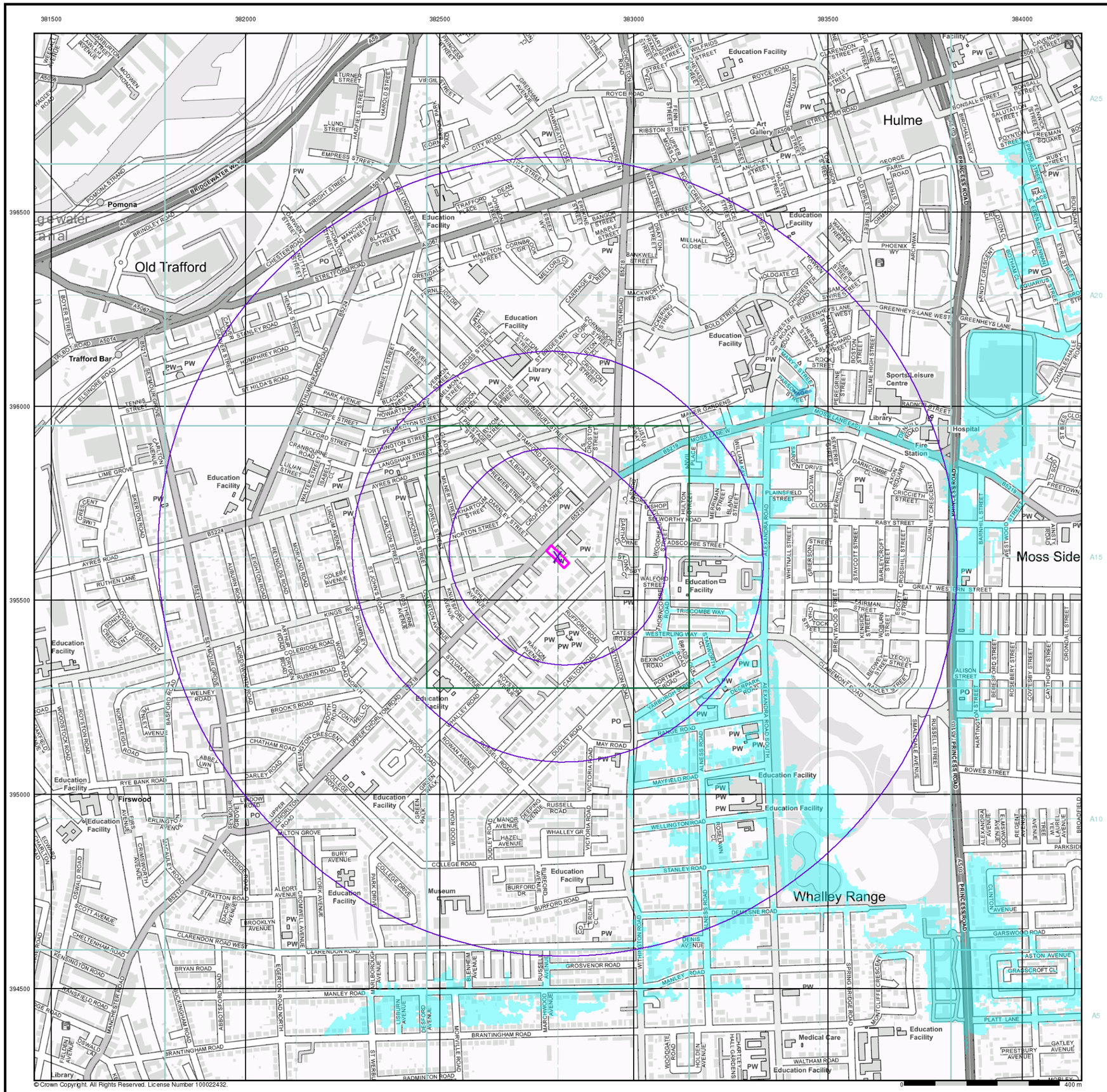
Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ

Landmark INFORMATION GROUP

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



LK GROUP

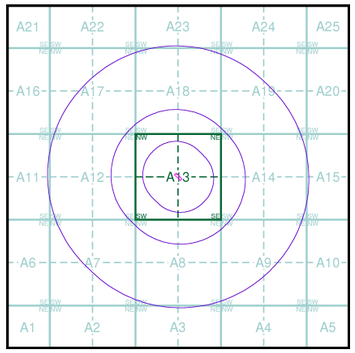
General

- 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

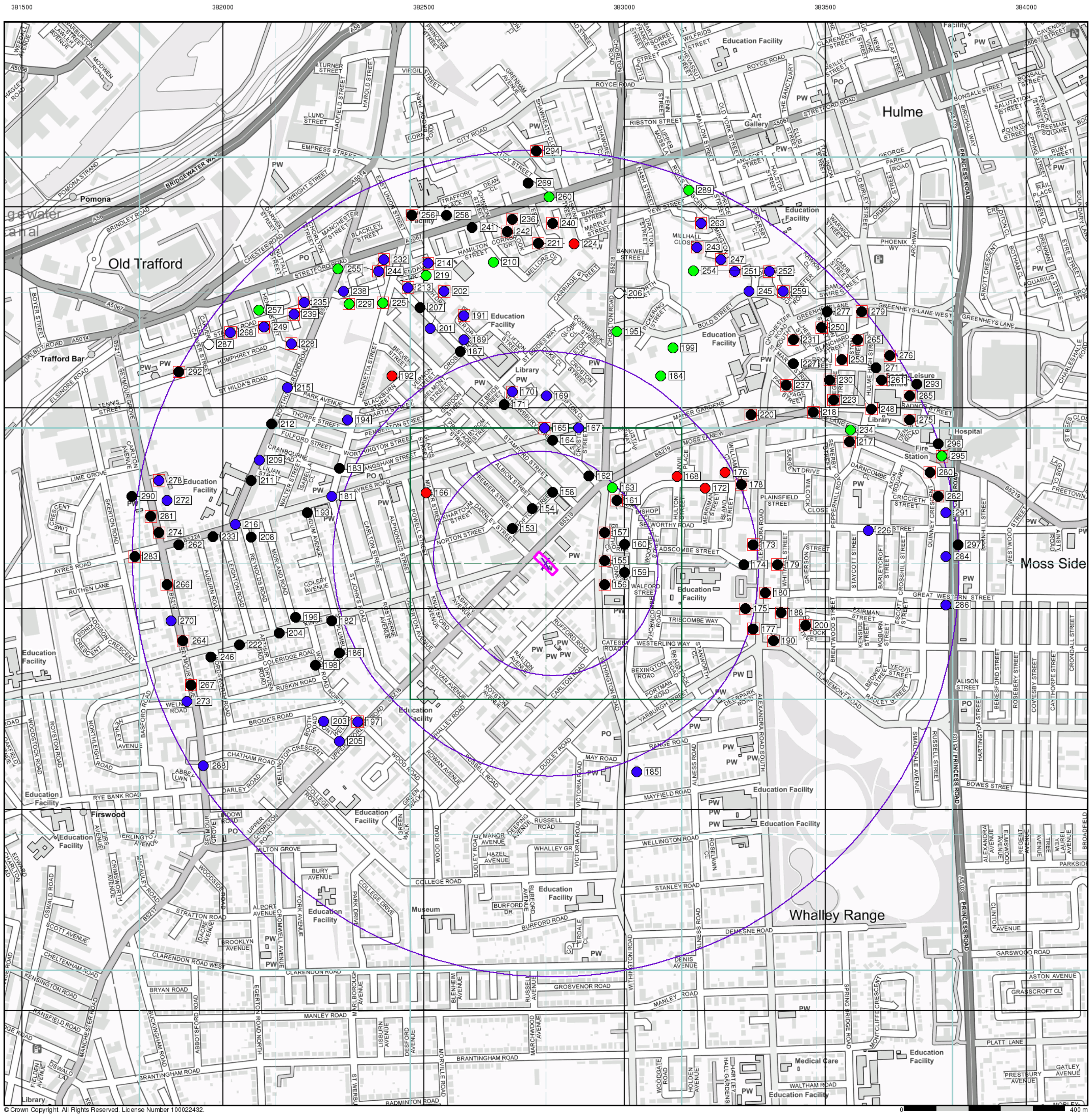


Order Details

Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ



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General

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

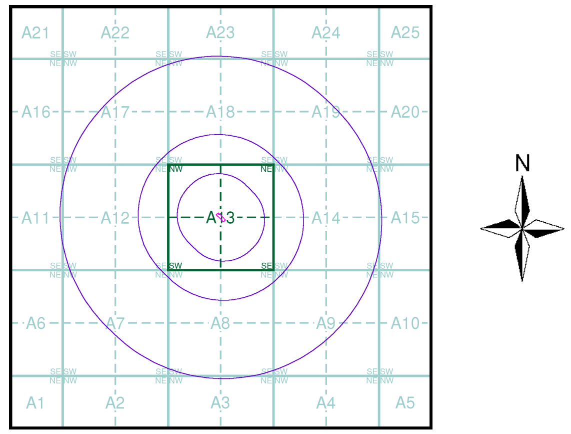
Agency and Hydrological (Boreholes)

- 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: 313479002_1_1
Customer Ref: LKC 23 1395
National Grid Reference: 382800, 395610
Slice: A
Site Area (Ha): 0.12
Search Buffer (m): 1000

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ

Tel: 0844 844 9952
Fax: 0844 844 9951
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LK GROUP

General

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

OS Water Network Data

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

Contours (height in meters)

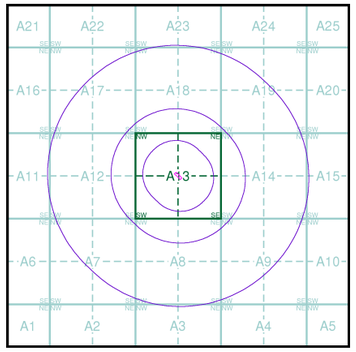
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

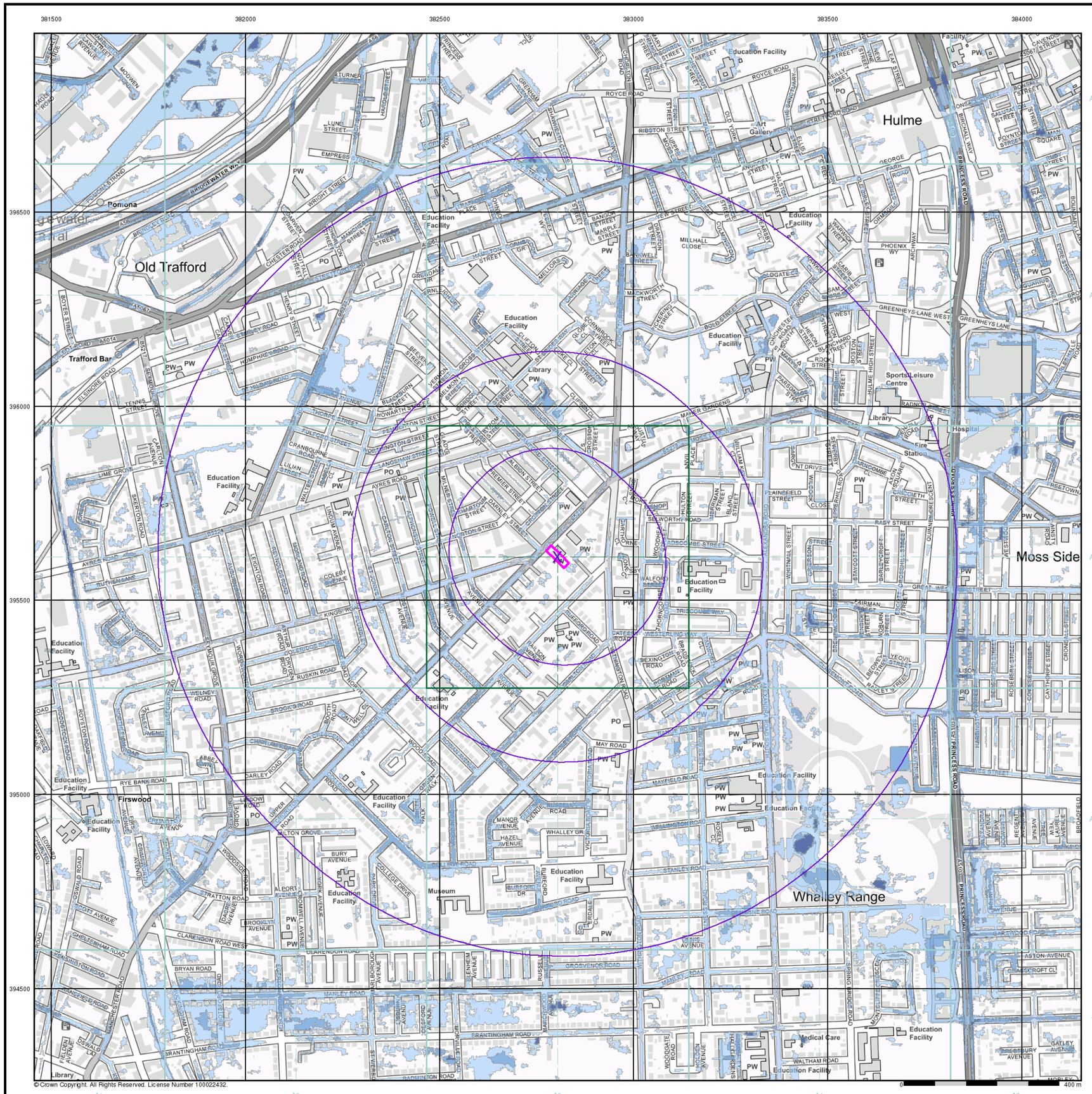
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National Grid Reference:	382800, 395610
Slice:	A
Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ

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LK GROUP

General

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

Risk of Flooding from Surface Water

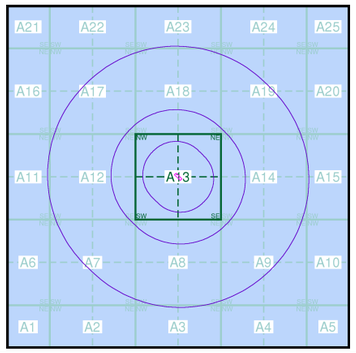
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

Order Number:	313479002_1_1
Customer Ref:	LKC 23 1395
National Grid Reference:	382800, 395610
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Site Area (Ha):	0.12
Search Buffer (m):	1000

Site Details

63-65, Upper Chorlton Road, Manchester, M16 7RQ

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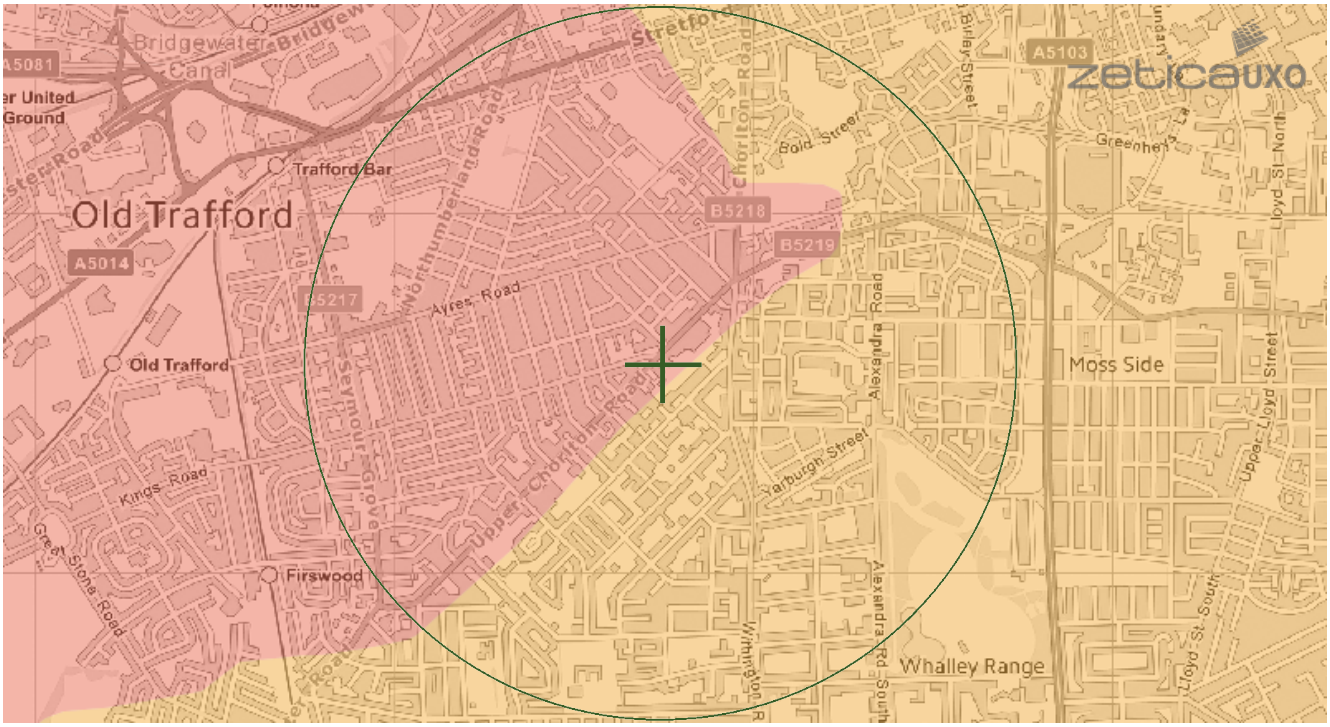
Appendix C

Zetica UXO Unexploded Bomb Risk Map

UNEXPLODED BOMB RISK MAP

SITE LOCATION

Location: M16 7RQ,
Map Centre: 382754,395583



LEGEND

High: Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.

Moderate: Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.

Low: Areas indicated as having 15 bombs per 1000acre or less.

miltary | **industry** | **UXO find**

transport | **dock** | **Luftwaffe targets**

utilities | **Bombing decoy** | **other**

How to use your Unexploded Bomb (UXB) risk map?

The map indicates the potential for Unexploded Bombs (UXB) to be present as a result of World War Two (WWII) bombing.

You can incorporate the map into your preliminary risk assessment* for potential Unexploded Ordnance (UXO) for a site. Using this map, you can make an informed decision as to whether more in-depth detailed risk assessment* is necessary.

What do I do if my site is in a moderate or high risk area?

Generally, we recommend that a detailed UXO desk study and risk assessment is undertaken for sites in a moderate or high UXB risk area.

Similarly, if your site is near to a designated Luftwaffe target or bombing decoy then additional detailed research is recommended.

More often than not, this further detailed research will conclude that the potential for a significant UXO hazard to be present on your site is actually low.

Never plan site work or undertake a risk assessment using these maps alone. More detail is required, particularly where there may be a source of UXO from other military operations which are not reflected on these maps.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirms that there is a low potential for UXO to be present on your site then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

A low risk really means that there is no greater probability of encountering UXO than anywhere else in the UK.

If you are unsure whether other sources of UXO may be present, you can ask for one of our **pre-desk study assessments (PDSA)**

If I have any questions, who do I contact?

tel: **+44 (0) 1993 886682**

email: **uxo@zetica.com**

web: **www.zeticauxo.com**

The information in this UXB risk map is derived from a number of sources and should be used in conjunction with the accompanying notes on our website: **(https://zeticauxo.com/downloads-and-resources/risk-maps/)**

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgment. The copyright remains with Zetica Ltd.

It is important to note that this map is not a UXO risk assessment and should not be reported as such when reproduced.

*Preliminary and detailed UXO risk assessments are advocated as good practice by industry guidance such as CIRIA C681 'Unexploded Ordnance (UXO), a guide for the construction industry'.

Appendix: Pre-Desk Study Assessment

zeticaUXO

Pre-Desk Study Assessment	
Site:	Upper Chorlton Road, Whalley Range, Greater Manchester
Client:	The LK Group
Contact:	Alex Evans
Date:	4th July 2023
Pre-WWI Military Activity on or Affecting the Site	None identified.
WWI Military Activity on or Affecting the Site	None identified.
WWI Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: ■ Manchester Ship Canal and Salford Docks. ■ Transport infrastructure and public utilities. ■ Industries important to the war effort, including munitions factories and chemical, engineering, and metal works. ■ Alexandra Park Aerodrome ■ Military barracks, camps, and training areas. ■ Anti-Aircraft (AA) defences.
WWI Bombing	None identified on the Site.
Interwar Military Activity on or Affecting the Site	None identified.
WWII Military Activity on or Affecting the Site	None identified.
WWII Strategic Targets (within 5km of Site)	The following strategic targets were located in the vicinity of the Site: ■ Manchester Ship Canal and Salford Docks. ■ Transport infrastructure and public utilities. ■ Industries important to the war effort, including aircraft manufacturing and chemical, engineering, and metal works. ■ Military barracks, camps, and training areas. ■ AA and anti-invasion defences.
WWII Bombing Decoys (within 5km of Site)	None.
WWII Bombing	During WWII the Site was located in the Municipal Borough (MB) of Stretford, which officially recorded 520No. High Explosive (HE) bombs with a bombing density of 147.3 bombs per 405 hectares (ha). The Manchester and Salford area was heavily bombed between the 22nd and 24th December 1940 (the 'Manchester Blitz'). Over 400No. HE bombs and more than 30,000 Incendiary Bombs (IBs) fell across the region. Readily available records have been found to indicate that several HE bombs fell in close proximity to the Site.

Post-WWII Military Activity on or Affecting the Site	None identified.
Recommendation	It is recommended that a detailed desk study is commissioned to assess, and potentially zone, the Unexploded Ordnance (UXO) hazard level on the Site.
Further information	For information about Zetica's detailed UXO desk studies and other UXO services, please visit our website: www.zeticauxo.com. Details and downloadable resources covering the most common sources of UXO hazard affecting sites in the UK can be found **here**. If you have any further queries, please don't hesitate to get in contact with us at uxo@zetica.com or 01993 886 682.

This summary is based on a cursory review of readily available records. Caution is advised if you plan to action work based on this summary.

It should be noted that where a potentially significant source of UXO hazard has been identified on the Site, the requirement for a detailed desk study and risk assessment has been confirmed and no further research will be undertaken at this stage. It is possible that further in-depth research as part of a detailed UXO desk study and risk assessment may identify other potential sources of UXO hazard on the Site.

Appendix D

Risk Evaluation

Risk Evaluation

The method for risk evaluation is a qualitative method of interpreting the output from the risk estimation stage of the assessment, based on CIRIA 552[13]. It involves the classification of the:

- Magnitude of the potential consequence (severity) of the risk occurring (Table A).
- Magnitude if the probability (likelihood) of the risk occurring (Table B).

Consequence (Severity)		
Classification	**Definition**	**Example**
Severe	- Short term (acute) risk to human health likely to results in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. - Short term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource. - Catastrophic damage to buildings/properties. - A short term risk to a particular ecosystem, or organism forming part of such ecosystem (note: the definition of ecological systems within the Draft Circular on Contaminated Land, DETR, 2000).	- High concentrations of cyanide on the surface of an informal recreation area. - Major spillage of contaminants from site into controlled waters. - Explosion, causing building collapse (can also equate to short term human health risk if buildings are occupied).
Medium	- Chronic damage to Human Health ('significant harm' as defined in DETR, 2000). - Pollution of sensitive water resources (note Water Resources Act contains no scope for considering significance of pollution). - A significant change in a particular ecosystem, or organism forming part of such ecosystem.	- Concentrations of a contaminant from site exceed generic, or site specific assessment criteria. - Leaching of contaminants from a site to a major or minor aquifer (Principal and Secondary). - Death of a species within a designated nature reserve.
Mild	- Pollution of non-sensitive water resources. - Significant damage to crops, buildings, structures and services ('significant harm' as defined in DETR, 2000). - Damage to sensitive buildings / structures / services or the environment.	- Pollution of non-classified groundwater. - Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
Minor	- Harm, although not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. - Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.). - Easily repairable damage to buildings, structures and services.	- The presence of contaminants at such concentrations that protective equipment is required during site works. - The loss of plants in a landscaping scheme. - Discoloration of concrete.

Table A: Classification of consequence.

Probability (Likelihood)	
Classification	**Definition**
High likelihood	- There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	- There is a pollutant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. - Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low likelihood	- There is a pollutant linkage and circumstances are possible under which an event could occur. - However it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	- There is a pollutant linkage but circumstances are such that it is improbable that an event would occur in the very long term.

Table B: Classification of probability.

[13] CIRIA (2001). "Contaminated Land Risk Assessment: A Guide to Good Practice". C552.

These classifications are then compared to indicate the risk presented by each pollutant linkage (Table C). It is important that this classification is only applied where there is a possibility (which can range from high likelihood to unlikely) of a pollutant linkage existing.

		Consequence			
		Severe	**Medium**	**Mild**	**Minor**
Probability	**High likelihood**	Very High Risk	High Risk	Moderate Risk	Moderate / Low Risk
	Likely	High Risk	Moderate Risk	Moderate / Low Risk	Low Risk
	Low likelihood	Moderate Risk	Moderate / Low Risk	Low Risk	Very Low Risk
	Unlikely	Moderate / Low Risk	Low Risk	Very Low Risk	Very Low Risk

Table C: Comparison of consequence against probability.

Once the risk has been determined the corresponding action can be assessed (Table D).

Risk	Action Required
Very High Risk	- There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that sever harm to a designated receptor is currently happening. - This risk, if realised, is likely to results in a substantial liability. - Urgent investigation (if not already undertaken) and remediation are likely to be required.
High Risk	- Harm is likely to arise to a designated receptor from an identified hazard. - Realisation of the risk is likely to present a substantial liability. - Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the longer term.
Moderate Risk	- It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. - Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
Low Risk	- It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very Low Risk	- There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is not likely to be severe.

Table D: Description of the classification and likely action required.

Where LKC identified a low to very low risk either limited intrusive investigation work, a watching brief (during construction work) or no investigation work will be recommended. This will be dependent on the nature of the site and the proposed development.

Where the risk falls into the moderate/low risk, LKC will undertake an assessment to establish what category the pollutant linkage will fall into (i.e. moderate or low risk will be chosen).

Where LKC identifies a moderate or higher risk intrusive work or precautionary remedial measures will be recommended.

Based across the UK with offices in Manchester, London, Liverpool, Swindon and Glasgow.

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1 Lonmay Road
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G33 4EL

t: 0141 773 6269
e: info@thelkgroup.com

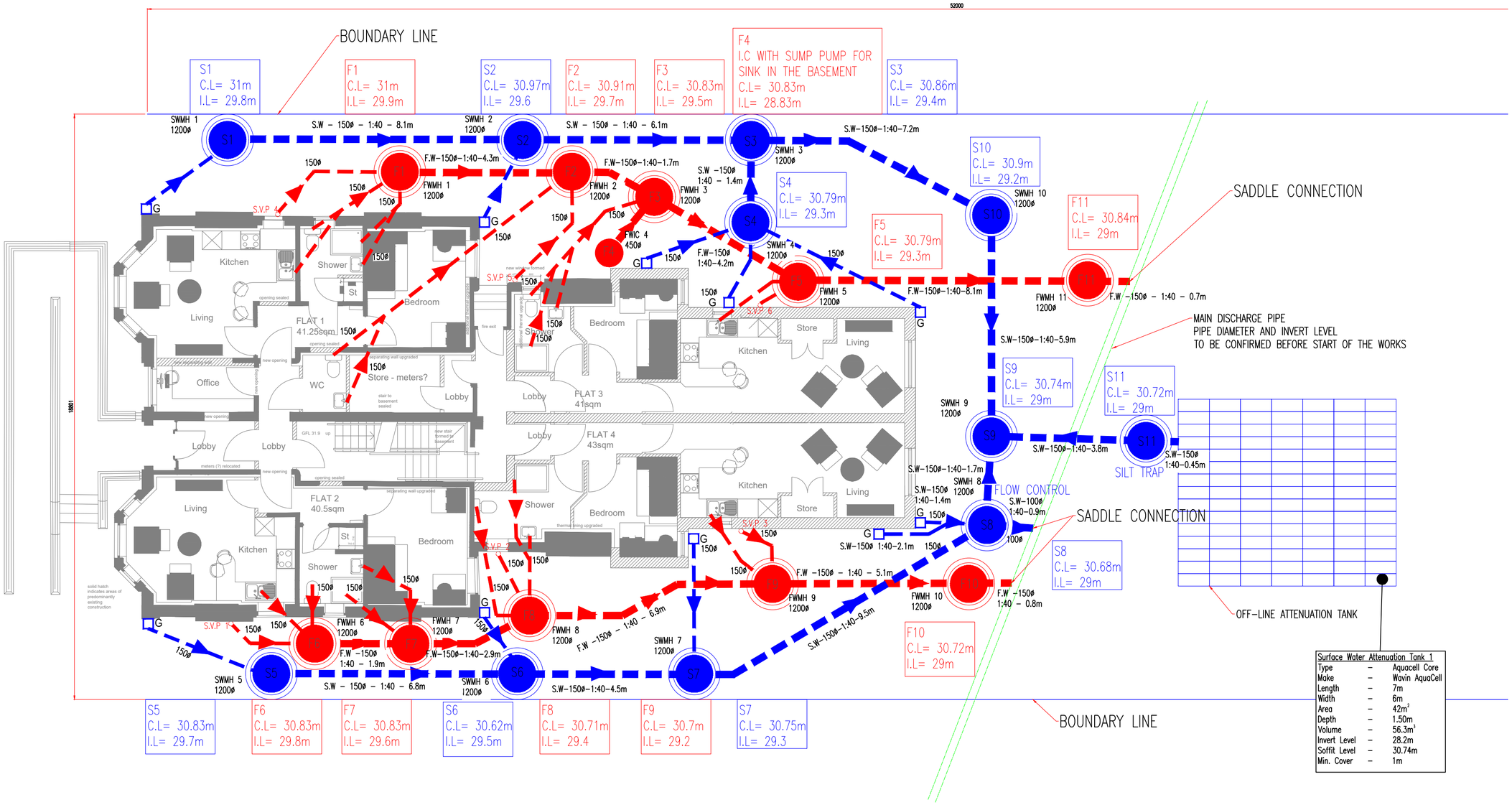
Liverpool
The Corn Exchange
Fenwick Street
Liverpool
L2 7QL

t: 0151 235 8716
e: info@thelkgroup.com

LK GROUP

- Geotechnical
- Contaminated Land
- Flood Risk and Drainage
- Asbestos
- Invasive Species
- Land Remediation
- Project Management
- Land Drilling

Appendix E – Proposed Foul & Surface Water Drainage Plan



FOUL AND SURFACE WATER DRAINAGE PLAN

SCALE 1:100

0 20 40 60 80 100mm

1:1

status

FOR INFO

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The originator shall have no responsibility for any liability, loss, cost, damage or expense arising from or relating to any use of this document other than for its intended purpose on this project.

This drawing shall be read in conjunction with all other relevant drawings, specifications and associated documentation. Any discrepancies, errors or omissions are to be reported to the originator before proceeding with work.

All dimensions are to be checked on site by the contractor prior to proceeding with any work.

Hazard Identification

ref	hazard	date
T2	NO UNUSUAL HAZARD IDENTIFIED	24.11.23

ref	revision	by	date
T2	2	QN	24.11.23

Architects
Consulting Engineers
Quantity Surveyors

21 Silverwell Street
Bolton
BL1 1PR
t: 01204 525321
email@bghbolton.co.uk
www.bghbolton.co.uk

Bradshaw Gass & Hope LLP

client: GREAT PLACE HOUSING GROUP

project: 63-65 UPPER CHORLTON ROAD

drawing: PROPOSED DRAINAGE LAYOUT STRATEGY

drawn by	QN	date	24.11.23
checked by	BH	date	24.11.23
scale	1:100		A2
dwg no	1667.13.171	rev	T2

Appendix F – Proposed Manhole Schedule

SURFACE WATER MANHOLE SCHEDULE

MANHOLE REFERENCE	LARGEST PIPE (ID)	COVER LEVEL (m)	INVERT LEVEL (m)	CHAMBER DEPTH (m)	CHAMBER TYPE	CHAMBER SIZE (mm)	COVER TYPE	COVER SIZE (mm)	COMMENTS
S1	150Ø	31	29.8	1.2	Type E	1200Ø	RECESSED	750 x 600	
S2	150Ø	30.97	29.6	1.4	Type E	1200Ø	RECESSED	750 x 600	
S3	150Ø	30.86	29.4	1.5	Type E	1200Ø	RECESSED	750 x 600	
S4	150Ø	30.79	29.3	1.5	Type E	1200Ø	RECESSED	750 x 600	
S5	150Ø	30.83	29.7	1.1	Type E	1200Ø	RECESSED	750 x 600	
S6	150Ø	30.62	29.5	1.1	Type E	1200Ø	RECESSED	750 x 600	
S7	150Ø	30.75	29.3	1.5	Type E	1200Ø	RECESSED	750 x 600	
S8	150Ø	30.68	29	1.7	FLOW CONTROL	1200Ø	D400 SOLID	600 x 600	**FLOW CONTROL**
S9	150Ø	30.74	29	1.7	Type B	1200Ø	D400 SOLID	600 x 600	
S10	150Ø	30.90	29.2	1.7	Type B	1200Ø	D400 SOLID	600 x 600	
S11	150Ø	30.72	29	1.7	SILT TRAP	1200Ø	D400 SOLID	600 x 600	**SILT TRAP**

FOUL WATER MANHOLE SCHEDULE

MANHOLE REFERENCE	LARGEST PIPE (ID)	COVER LEVEL (m)	INVERT LEVEL (m)	CHAMBER DEPTH (m)	CHAMBER TYPE	CHAMBER SIZE (mm)	COVER TYPE	COVER SIZE (mm)	COMMENTS
F1	150Ø	31	29.9	1.1	Type E	1200Ø	RECESSED	750 x 600	
F2	150Ø	30.91	29.7	1.2	Type E	1200Ø	RECESSED	750 x 600	
F3	150Ø	30.83	29.5	1.3	Type E	1200Ø	RECESSED	750 x 600	
F4	150Ø	30.83	28.83	2.0	PPIC	460Ø	REDUCED COVER	350Ø	**SUMP & PUMP FOR SINK IN BASEMENT**
F5	150Ø	30.79	29.3	1.5	Type E	1200Ø	RECESSED	750 x 600	
F6	150Ø	30.83	29.8	1.0	Type E	1200Ø	RECESSED	750 x 600	
F7	150Ø	30.83	29.6	1.2	Type E	1200Ø	RECESSED	750 x 600	
F8	150Ø	30.71	29.4	1.3	Type E	1200Ø	RECESSED	750 x 600	
F9	150Ø	30.7	29.2	1.5	Type E	1200Ø	RECESSED	750 x 600	
F10	150Ø	30.72	29	1.7	Type B	1200Ø	D400 SOLID	600 x 600	
F11	150Ø	30.84	29	1.8	Type B	1200Ø	D400 SOLID	600 x 600	

0 20 40 60 80 100mm

1:1

status

FOR INFO

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Hazard Identification

ref	hazard	date
T1	NO UNUSUAL HAZARDS IDENTIFIED	24.11.23

ref	revision	by	date
T1	1	QN	24:11:23

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drawing
PROPOSED MANHOLE SCHEDULE

drawn by	QN	date	24.11.23
checked by	BH	date	24.11.23
scale	N/A		A2
dwg no	1667.13.172	rev	T2