

Carley Daines and Partners Limited

Consulting Civil and Structural Engineers

**SITE ADJACENT TO DALTON AVENUE
FALLOWFIELD
MANCHESTER M14 7NR**



PHASE 2 GEO-ENVIRONMENTAL INVESTIGATION AND ASSESSMENT

UNDERTAKEN FOR

MSV HOUSING

Ref: 22-B-13509, Dalton Avenue

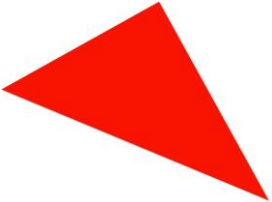
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2nd October 2023

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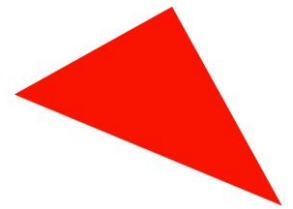
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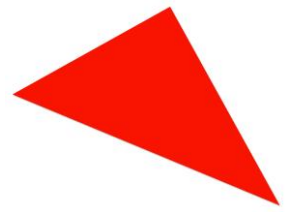
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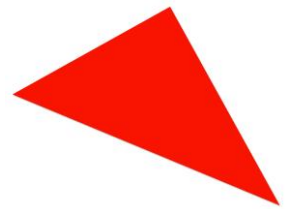


EXECUTIVE SUMMARY

Site Location	The site is located adjacent to Dalton Avenue, Fallowfield at NGR 384370, 394810 and at postcode M14 7NR.
Development Proposals	Preliminary plans that have been made available to us indicate that the site has the potential for future residential development with supporting highway, drainage and services infrastructure.
Site History	The site is relatively small and is currently developed with an industrial building dating back to the 1960's. The precise use is unknown but is believed to be associated with light engineering or motor trade activities.
Foundations & Floor Slabs	Foundations could comprise concrete strips, though as the underlying clay has inconsistent strength, depths of up to 1.8m are likely to be required. There are wet sand bands which may lead to "running sand" conditions. As a result, it is recommended that a pile and ground beam solution is adopted. Ground floors should be suspended beam & block or in-situ concrete
Pavements	New pavements (if required) should be designed on a CBR value for formation soils of 2.5% for made ground, and 3.0% for glacial till. Any buried structures in proposed pavement areas will need to be broken down to a depth of at least 0.6m below formation level to prevent unacceptable surface differential settlement. It is recommended that CBR testing should be undertaken in accordance with established procedure at formation level.
Soakaways	In view of the cohesive nature of the underlying drift geology, soakaways are not considered to be a viable drainage solution, due to impermeability. Furthermore, due to the small size of the site there is insufficient space to site a soakaway.



Ground Gas	Ground gas monitoring is ongoing and results will be presented in a future Addendum Report.
Contamination Assessment	Chemical testing has been undertaken on soil samples, which revealed moderately elevated levels of lead, PAH & TPH contamination.



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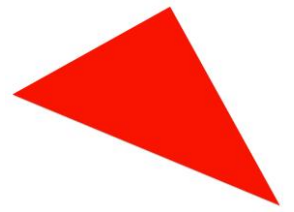
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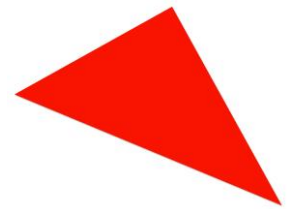
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1.0 INTRODUCTION

Appointment

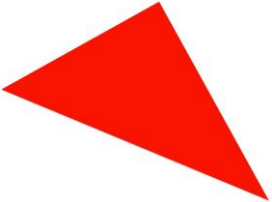
- 1.1 Carley Daines and Partners Limited has been commissioned by MSV Housing to undertake a Phase 2 Geo-Environmental investigation and assessment of the proposed development of land at Dalton Avenue, Fallowfield, Manchester.

Proposed Development

- 1.2 Preliminary plans that have been made available to us indicate that the site has the potential to be developed with 8 flats in 4 individual blocks plus associated access, drainage, services and parking infrastructure.
- 1.3 Preliminary development plans have been prepared by tadw Architects and are included in Appendix 6.

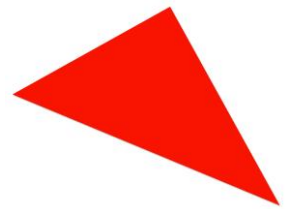
Objectives

- 1.4 The objective of the Ground Investigation and Assessment is to provide geotechnical recommendations for construction design purposes, together with a geo-environmental risk assessment in terms of potential ground contamination.
- 1.5 To achieve the objective, the following tasks were undertaken:
- Confirm, through undertaking a review of the existing Phase 1 PRA, the Geological, Hydro-Geological and Environmental context of the site, so as to identify any potential ground constraints to development through a site specific conceptual model and to design an appropriate Phase 2 Ground Investigation in accordance with Land Contamination Risk Management (LCRM).
 - Characterise the ground conditions in terms of geology, soil geotechnical parameters, and ground contamination from information provided by an appropriate ground investigation.

- 
- Provide recommendations regarding suitable foundations, floor slabs and new pavement construction, together with any geotechnical considerations that could affect possible future development.
 - Determine a ground conceptual model for the site so as to undertake an appropriate Phase 2 Generic Quantitative Risk Assessment (GQRA).

Scope

- 1.6 The Phase 1 PRA has been undertaken and is presented in the following Carley Daines & Partners Limited Report.
- Phase 1 Preliminary Risk Assessment, reference 22-B-13509, dated October 2022.
- 1.7 This report includes the findings of an appropriate Phase 2 Site Investigation designed on conclusions and recommendations provided in the Phase 1 Report. For ease of reference, the findings of the Phase 1 PRA are summarised in the following sections. The two reports are not exclusive and should be read in conjunction with one another.
- 1.8 The investigation comprised the sinking of three boreholes, the location of which took into consideration the proposed development and the presence of existing buildings and possible existing services.
- 1.9 The Ground Investigation has been undertaken in general accordance with BS5930:2015 + A1:2020 and BS10175:2011 and A2:2017.
- 1.10 Geotechnical soil testing has been undertaken in accordance with guidelines provided in BS1377:1990 - Parts 1-9 "*Method of Test for Soils for Civil Engineering Purposes*". Samples for chemical analysis were obtained and handled generally in accordance with the current guidelines (BS10175:2011 and A1:2017) relating to the anticipated nature of possible contamination and the intended end use.



Coal Mining

- 1.11 The site is not within a known coal mining area.

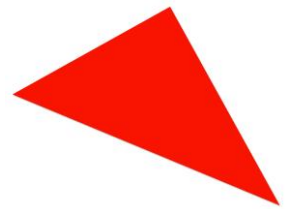
2.0 SITE LOCATION AND DESCRIPTION

Site Location

- 2.1 The site is located adjacent to Dalton Avenue, Fallowfield, at approximate National Grid Reference 384370, 394810 and at post code M14 7NR.
- 2.2 The surrounding area is predominantly residential comprising older terraced housing to the north, south & west. A school is located to the east.
- 2.3 A Location Plan is presented in Appendix 1.

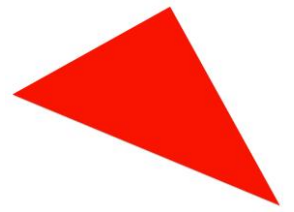
Site Description

- 2.4 The site is almost rectangular in shape, with maximum dimensions of approximately 50m x 13m. The site is enclosed on the north, west and south sides by terraced housing fronting onto Dalton Avenue and Thornton Avenue. To the east is a school with open ground and playing fields closest to the site.
- 2.5 The site is presently occupied by two adjoining buildings used for light industry or vehicle maintenance.
- 2.6 The site has an area of 500m² and is level at an altitude of 32mAOD.
- 2.7 The future development requires demolition of the existing buildings.
- 2.8 Much of the surrounding area is primarily residential comprising older terraced housing.



3.0 SUMMARY OF ENVIRONMENTAL AND HISTORICAL SETTING

- 3.1 The following paragraphs summarise the most relevant findings of the Phase 1 PRA.
- 3.2 There is no indicated made ground on site shown on currently available environmental plans. However, a large area to the north east currently occupied by the school and previously by the MCFC stadium was previously a brick works and is indicated as Made & Worked Ground.
- 3.3 Drift deposits on and off site are indicated as Devensian Till.
- 3.4 Solid geology is indicated as indicated as comprising Sandstone (Cheshire Pebble Beds Formation).
- 3.5 The Coal Authority Report indicates that the site is outside a known mining area.
- 3.6 There are no fault lines close to site.
- 3.7 There are no natural watercourses close to site .
- 3.8 In terms of hydrogeology the site is indicated as being above a Principal Bedrock Aquifer and a secondary Superficial Aquifer.
- 3.9 The site is within a currently designated Environment Agency Source Protection Zone.
- 3.10 The site is not within a known brine compensation area.
- 3.11 The site is in a low probability radon area.
- 3.12 There are no known or obvious hazardous installations within 500m of the site.
- 3.13 The Phase 1 PRA indicates that there are numerous areas of infilled ground, both directly adjacent to the site and nearby that could contain uncontrolled and potentially contaminated material.



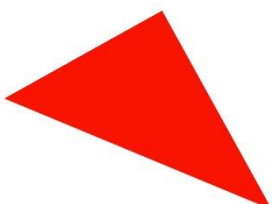
4.0 PRELIMINARY CONTAMINATION RISK ASSESSMENT

- 4.1 Based on the above findings, the table on page 6 summarises the Preliminary Conceptual Model and Risk Assessment for development of the site for new residential structures with landscaped garden areas.
- 4.2 Under the proposed development scenario, several pollutant linkages are considered possible, and the overall preliminary risk is assessed as being generally moderate to high.
- 4.3 The approach of the Phase 1 Desk Study stage is, however, precautionary, until such time as uncertainties in the conceptual model can be verified by appropriate site investigation.
- 4.4 It is not known at Phase 1 stage if there is any significant historical contamination on site.
- 4.5 Therefore, uncertainties relate, in the main, to the potential presence of residual contaminants on the site from previous industrial activities.

Preliminary Risk Assessment, Dalton Avenue, Manchester

Table 6 - Conceptual Site Model

Potential Source	Potential Pathways	Potential Receptor	Comments	Risk
On-site contamination (Heavy Metals, PAHs, TPH, Asbestos & pH)	Ingestion Dermal Contact Inhalation	Human Health - Site Users, Maintenance Staff, Contractors, Residents	Contamination from light industrial and other activities associated with the motor trade.	Moderate
	Direct Contact	On-site structures, Water pipes	Future water pipes	
	Migration of contamination to groundwater	Local Water Courses, Underlying Aquifer	The bedrock aquifer is protected by an impermeable clay strata.	Low
Off-site contamination	Ingestion Dermal Contact Inhalation	Human Health - Site Users Maintenance Staff Contractors, Residents	Risk from lateral spread of uncontrolled infilling of former brickworks and spillage / leakage of fuels and oil. Unlikely to be significant as the adjacent site is likely to have been remediated prior to recent construction of the school and housing.	Moderate
	Direct Contact	On-site Structures Water Pipes		
	Migration of contamination to groundwater	Underlying Aquifer	The bedrock aquifer is protected by an impermeable clay strata.	Low
Ground gas contamination.	Migration through permeable strata	Human Health, On-site Structures	Risk from ground gases generated by adjacent landfill	High
Coal Mining	Workings close to surface	Buildings, roads & services	Site is outside a coal mining area	None



5.0 SITE INVESTIGATION

Rationale

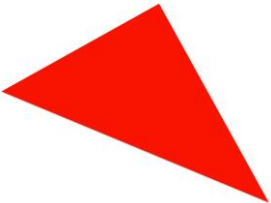
- 5.1 Intrusive investigations were undertaken primarily to provide geotechnical parameters for structural design purposes, and to verify the preliminary site conceptual model and confirm the anticipated environmental risk.
- 5.2 Three boreholes were sunk to provide geotechnical information on near surface deposits and to provide samples for chemical and geotechnical analysis.
- 5.3 A general suite of contaminant testing was undertaken on selected samples of soil to confirm the contamination levels, and where applicable, to establish the chemical suitability of soils for possible re-use within the development.

Intrusive Works

- 5.5 Ground investigation work was undertaken by Mini Soil Surveys, acting under our direct control and supervision. The work comprised the sinking of three boreholes to a maximum depth of 5.0m. Work was undertaken on 12th & 13th September 2023. Boreholes 1 and 3 were converted into gas monitoring wells.
- 5.6 The borehole records are presented in Appendix 2 of this report.

Geotechnical and Chemical Testing

- 5.7 In-situ geotechnical testing was undertaken at regular intervals during the formation of the boreholes in the form of SPT tests, and also shear vane tests. Results of this testing are presented on the Descriptive Logs in Appendix 2.
- 5.8 The results of the soil sample chemical testing are presented in Appendix 3.



5.9 Chemical analysis was undertaken on selected soil samples for the following contaminants of concern:

- Metals (Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel, Selenium and Zinc).
- PAH (USEPA16)
- TPH (Aromatic & Aliphatic)
- Asbestos screening and identification
- pH and Sulphate concentration

6.0 GROUND CONDITIONS

Stratigraphy

6.1 Ground conditions encountered during the intrusive investigation generally confirmed those identified in the published geological plans and in summary comprise topsoil, ash, gravel and cinders Made Ground overlying soft to firm Sandy Clay overlying stiff becoming very stiff Sandy Clay.

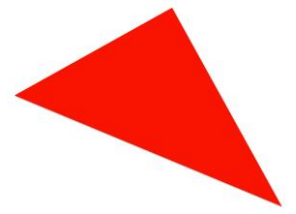
Made Ground

6.2 Made Ground was encountered in the boreholes from ground level to depths ranging from 0.6m – 1.1m. The Made Ground generally comprises topsoil, ash, cinder & gravel fragments.

6.3 Made Ground was generally found to be weak and poorly compacted.

6.4 The horizon between Made Ground and Glacial Till is clearly defined.

6.5 The Made Ground has not been subject to geotechnical testing, as it is unsuitable for use as a foundation bearing strata.



Glacial Till (Clay & Sand)

- 6.6 The Made Ground is underlain by cohesive Glacial Till, being described as soft to firm to stiff becoming very stiff sandy Clay, with gravel & occasional cinder fragments and sand inclusions.
- 6.7 The upper levels contain wet sand and sand and gravel bands with a strong fuel odour.
- 6.8 SPT N values in the Glacial Till range from N=5 to N=34. The SPT N values generally confirm a highly variable consistency for the Clay, ranging from soft to very stiff.
- 6.9 Shear vane values in the range of $C_u = 64 - 79 \text{ kN/m}^2$ were recorded.

Visual/Olfactory Evidence of Contamination

- 6.10 A strong fuel odour was detected in the boreholes.

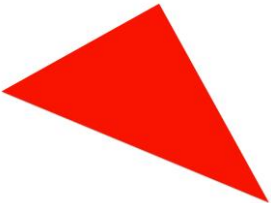
Existing Foundations

- 6.11 The boreholes did not expose any existing structural foundations.

Groundwater

- 6.12 Standing water was encountered in all three boreholes at depths varying between 1.1 & 1.5m on completion.
- 6.13 Variations could potentially occur in the long-term water regime due to seasonal and temperature differences.

General

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- 6.14 It should be appreciated that ground conditions could vary between and away from the exploratory borehole positions, and due allowance should be made in this respect.

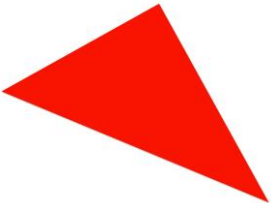
7.0 GEOTECHNICAL APPRAISAL

Site Preparation and Earthworks

- 7.1 At commencement, appropriate soil stripping and stock piling should be undertaken. A further visual check should be carried out for any evidence of significant contamination away from areas previously examined and tested.
- 7.2 Demolition and grubbing up of existing foundations will be required.
- 7.3 Former foundations and slabs if encountered may be suitable for crushing and re-use as infill beneath hard cover areas.
- 7.4 Appropriate sorting and segregating of such excavated materials will ensure that selected material is suitable for use as bulk fill in remaining areas.
- 7.5 There are unlikely to be any significant level differences on site that could affect sub-structure construction.
- 7.6 The effect of existing trees outside the east boundary should be taken into consideration.

Foundations

- 7.7 Made Ground and underlying incompetent natural strata should be considered unsuitable for the direct support of structural loads, as it may be loose and soft, which could result in unacceptable and differential settlements.
- 7.8 Consideration has been given to the use of traditional concrete strip foundations for the new development. However, the upper level of sandy clay has variable strength and a



depth of at least 1.8m is likely to be required to achieve a satisfactory bearing capacity. This would require excavation below standing water and “running sand” conditions must therefore be anticipated.

- 7.9 As a consequence, a piled solution is preferred with piles linked to the superstructure with reinforced concrete ground beams.
- 7.10 Where foundations are to be constructed in close to existing and /or removed trees, identification of the tree species will determine its water demand as provided in Appendix 4.2 - A of NHBC Standards 2010, Foundations, Chapter 4.2, Building near Trees. Assessment of the effects (if any) of tree influence on pile heads & ground beams should be considered.

Floor Slabs

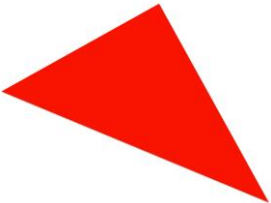
- 7.11 It is recommended that floor slabs should be suspended, either precast beam and block or suspended cast in-situ.

Excavations and Ground Water

- 7.12 The presence of significant volumes of groundwater inflow into excavations is not anticipated. Conventional 'sump and pump' dewatering measures will be adequate to keep excavations dry.
- 7.13 Excavations will be possible with the use of conventional hydraulic plant and will need to be appropriately supported for safe man entry, and also if they occur in proximity to existing site boundaries and the highway.

Pavement Design

- 7.14 In consideration of the ground conditions encountered in relation to the proposed development at the site, it is likely that Made Ground and cohesive Glacial Till will be exposed at formation level beneath areas of hardstanding.

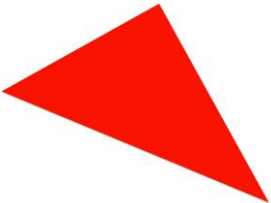
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- 7.15 It is recommended that new pavement design (if required) should be based on a CBR value of no more than 2.5% for the Made Ground, and 3.0% for the Glacial Till, with any soft, loose, or otherwise incompetent material being removed and replaced with a suitable thickness of capping, comprising well compacted granular fill.
- 7.16 The design CBR's should be confirmed by in-situ testing at formation levels prior to construction. In addition, where the formation is left exposed for any appreciable time, particularly during inclement weather, the CBR should be checked by further testing and, where required, adjusted to take account of any softening effects resulting from moisture change.
- 7.17 If buried structures are to remain beneath proposed pavement areas, they should be broken down to a depth of at least 0.6m beneath the proposed formation to prevent the possibility of 'hard spots' leading to unacceptable differential settlement at the surface.

Concrete Design

- 7.18 Design/mix of concrete should be undertaken in accordance with the "Aggressive Chemical Environment for Concrete" (ACEC) classification, of BRE Special Digest 1:2005 (Concrete in Aggressive Ground). With reference to the site history, it is deemed necessary to classify the site as "Brownfield", with respect to the BRE Special Digest.
- 7.19 The results of Sulphate testing (water sol 2:1) as SO_4 are in the range 0.26 – 0.47 g/l. Values of pH range from 6.9 to 7.8.
- 7.20 On the basis of the chemical test results, the design sulphate (DS) and "Aggressive Chemical for Concrete" (ACEC) class for the site are DS-1 and AC-1s respectively.

Drainage and Soakaways

- 7.21 Due to the small site and the dense nature of the proposed development, surface water drainage by soakaway is not considered feasible.



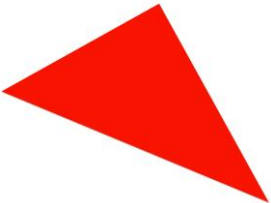
8.0 GENERIC QUANTITATIVE RISK ASSESSMENT (GQRA)

General

- 8.1 A review of the PRA information has concluded that due to previous industrial / commercial development, the potential for a significant pollution linkage should be considered to be Moderate to High.
- 8.2 Further to this, olfactory evidence in the form of fuel was recorded during the ground investigation.
- 8.3 Therefore, it has been considered prudent to adopt a precautionary principle and undertake chemical analysis on the sub-surface soils to confirm the human health risk status of the site.

Human Health

- 8.4 Selected samples have been analysed for a general suite of contaminants of concern and compared against Generic Assessment Criteria (GAC) for human health to determine the significance of the measured concentrations in relation to the site conceptual model.
- 8.5 The GAC used in the assessment primarily comprised values derived by Land Quality Management Ltd (LQM) on behalf of the Chartered Institute of Environmental Health. These are included in Appendix 4.
- 8.6 The adopted approach has been to assume a "Residential without Homegrown Produce" land-use scenario as defined by the guidance. This is justified because the proposed development comprises almost full hard cover (building footprints and fixed paths) whilst the soft landscaped grass areas are very small and do not form private gardens where produce for human consumption can be grown.



Soil Test Results

8.7 A total of three soil samples were analysed for a suite of Metals, Semi-Metals, PAH and TPH as well as asbestos screening. The majority of results fall below the relevant defined GAC.

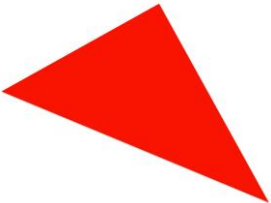
8.8 No asbestos was identified.

8.9 Some exceedances were encountered in respect of Lead, PAH and TPH and these are set out in the table below. All assessment values are based on a “worst case” Soil Organic Matter of 1%.

Contaminant	Number of Exceedances	SGV (mg/kg)	Maximum Recorded Concentrations (mg/kg)	Sample
Lead	2	310	382	BH1 & BH3
Benzo(a)Pyrene	2	3.2	17.9	BH2 & BH3
Dibenz(a,h)anthracene	2	0.31	2.62	BH2 & BH3
Aromatic TPH C8-C10	1	47	64	BH2
Aromatic TPH C21-C35	1	1900	4380	BH2

Conclusions

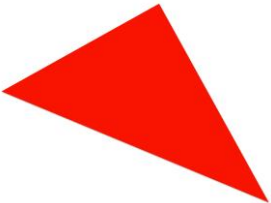
8.10 The elevated levels of contamination are generally consistent across the site and are believed to be typical of light engineering and motor trade activities with a possible source being spilt fuels and oil.

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- 8.11 The site post development will be almost totally covered by hard surfacing & buildings, and in these areas there will be no mechanism for a direct contact pollutant linkage. Therefore, the risk to end-users of the site will be negligible.
- 8.12 Elsewhere, the small areas of soft landscaping will not form private gardens and will not be suitable for home grown produce.
- 8.13 Therefore, a full 600mm thick clean capping layer is not proposed to these areas and a 300mm clean capping is considered to be sufficient.
- 8.14 However, the potential for higher or differing levels of contamination exists on site away from sample positions and therefore a watching brief should be maintained to record any unexpected or obviously elevated levels of additional contamination.
- 8.15 If any material is imported to site for soft landscaping and gardens, then appropriate testing to verify cleanliness and suitability would need to be undertaken.
- 8.16 The nature of the ground conditions encountered are such that they are not considered to be volatile and are not considered to be a potential risk to human health through inhalation of indoor or outdoor air. No special requirements are therefore considered in this respect.

9.0 OTHER POTENTIAL DEVELOPMENT CONSIDERATIONS

Waste Soil Characterisation

- 9.1 Excavation works undertaken during the development will produce waste soils for which appropriate waste management will be required. In line with current principles, any waste soils should be considered for re-use where possible by incorporation into the development.
- 9.2 Site-won granular Made Ground may be re-used as bulk fill, subject to engineering suitability, under proposed hardstanding and capped off using compacted granular fill.

- 
- 9.3 Waste arisings comprising uncontaminated natural soil would be suitable, subject to confirmation of suitability for re-use as sub-soil with any planned landscaped areas.
- 9.4 On the basis of current information, it is possible that the Made Ground could be classified as hazardous, notwithstanding the comments immediately hereunder.
- 9.5 Moderately elevated levels of Lead, PAH & TPH have been encountered, and these need to be compared against appropriate values for Waste Acceptance Criteria, which can differ from SGV's for residential gardens.
- 9.6 Any imported fill such as topsoil, will be subject to specific quality requirements. Allowance should be made for testing imported fill materials prior to emplacement to ensure suitability.

Water Supply Pipes

- 9.8 United Utilities will need to be consulted with regards to the selection of suitable water supply pipe materials for the development.

10.0 GROUND GAS ASSESSMENT

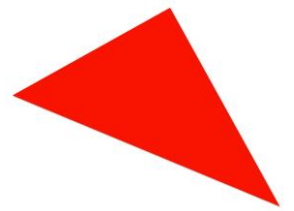
- 10.1 Ground gas monitoring is ongoing and will be subject to an addendum report.

SIGNED (electronically)

C. R. Carley JP MSc CEng MICE - Consultant

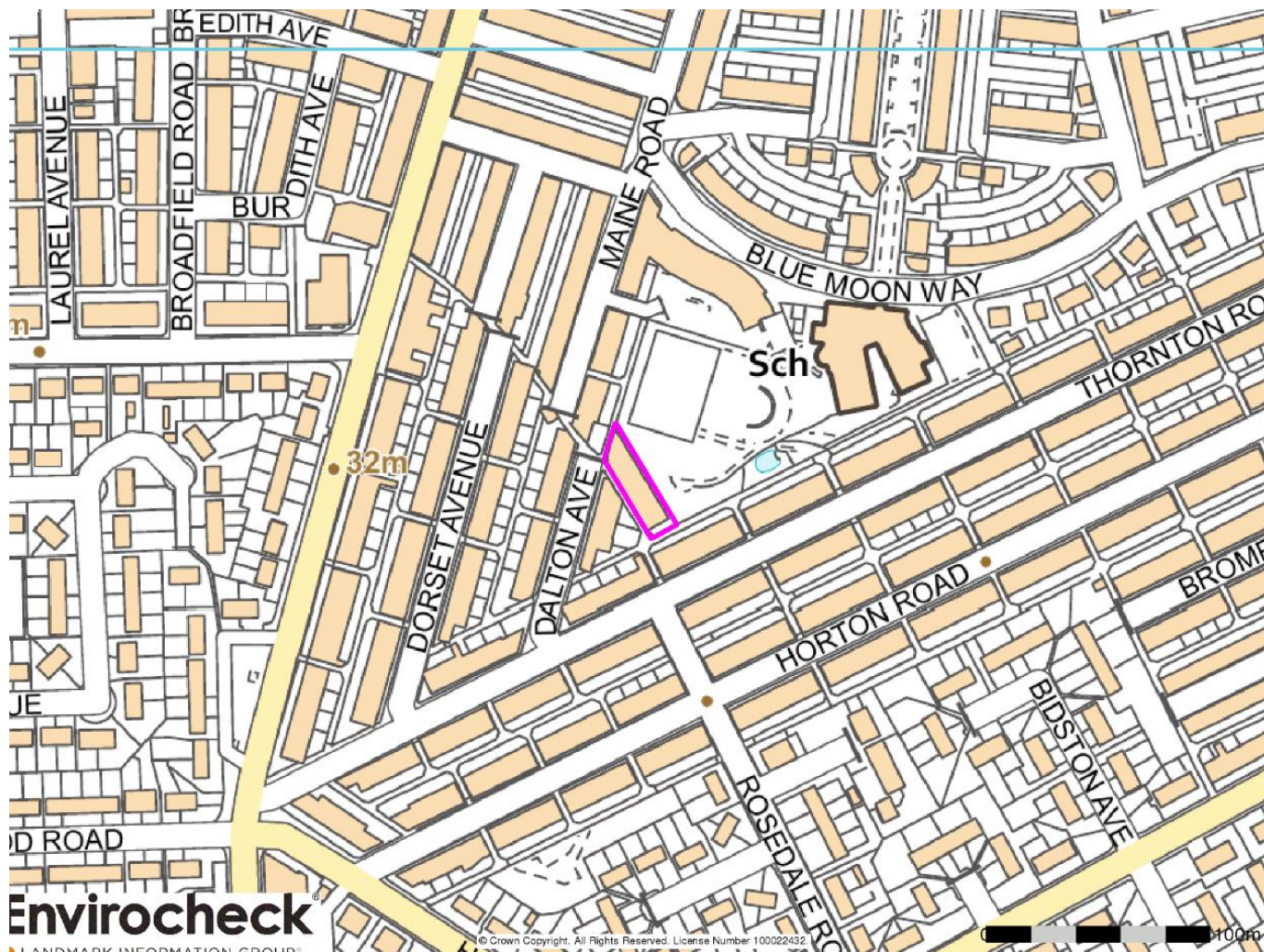
APPROVED (electronically)

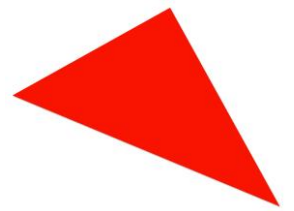
D. J. Middleton BEng (Hons) CEng MStructE - Principal



APPENDIX 1

SITE LOCATION PLAN

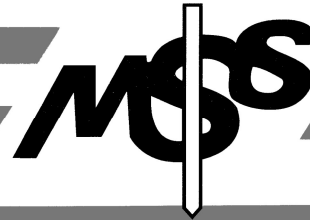




APPENDIX 2

GEOTECHNICAL LOGS

MINI • SOIL • SURVEYS



Mini Soil Surveys North Ltd Unit 30 Atlantic Street Broadheath WA15 5NQ

Tel: 01619800044

Job Number: NOT00075

Borehole No: 1 of 3

Fax:

Site: Dalton Avenue, Fallowfield

Crew: A

Date Drilled: 12/09/2023

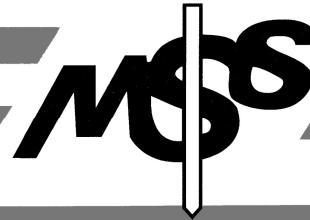
Description	Depth	Leg	Test Depth	Type	Value
60mm Concrete overlying firm, occasionally soft brown becoming dark grey sandy clay with gravel, occasional cinders and sand inclusions, MADE GROUND, with strong fuel/oil odour and discoloration, becoming wet from 1.0m			0.20	DS	
Firm occasionally soft to firm, brown/grey sandy CLAY with some wet sand and gravel bands from 1.8m, with strong fuel/oil odour.	1.10		1.00	DS	
			1.20	SPT	N=5
			1.70	SV	Cu=64kN/m2
			1.80	SPT	N=9
			2.40	SPT	N=10
Stiff rapidly becoming very stiff brown sandy CLAY with some gravel.	2.90		3.00	DS	
			3.60	SPT	N=34
End of Hole	5.00				

SPT's @ 1.2m 1/1/1,1,2,1 @ 1.8m 2/2/3,2,2,2 @ 2.4m 2/2/3,3,2,2 @ 3.6m 6/7/7,9,9,9
 Disturbed samples taken at 0.2-1.0m, 1.0-2.8m, 3.0-4.0m
 Water encountered at 1.0m. Standing water at twenty minutes at 1.1m.
 Standing water on completion of the borehole at 1.1m.

* Borehole converted to Gas Monitoring stand pipe.

Key: SPT (Standard Penetration Test), DS (Disturbed Sample), SV (Shear Vane)

MINI • SOIL • SURVEYS



Mini Soil Surveys North Ltd Unit 30 Atlantic Street Broadheath WA15 5NQ

Tel: 01619800044

Job Number: NOT00075

Borehole No: 2 of 3

Fax:

Site: Dalton Avenue, Fallowfield

Crew: A

Date Drilled: 12/09/2023

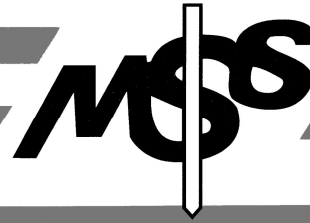
Description	Depth	Leg	Test Depth	Type	Value
100mm Concrete overlying medium compact dark brown/black ash, cinder and clinker, MADE GROUND.			0.20	DS	
Firm grey sandy organic clay with some peaty fibres and occasional cinders, MADE GROUND with strong fuel/oil odour.	0.55				
Firm to stiff occasionally stiff, becoming soft to firm, grey/brown sandy CLAY with frequent wet sand and sand and gravel bands from 2.0m with strong fuel/oil odour.	1.10		1.20	SPT	N=8
			1.60	DS	
			1.70	SV	Cu=79kN/m2
			1.80	SPT	N=7
			2.40	SPT	N=6
Stiff becoming very stiff brown sandy CLAY with some gravel.	2.90		3.00	DS	
			3.60	SPT	N=29
End of Hole	5.00				

SPT's @ 1.2m 2/2/2,2,2,2 @ 1.8m 2/2/2,2,1,2 @ 2.4m 2/2/2,2,1,1 @ 3.6m 6/6/7,7,7,8
Disturbed samples taken at 0.2-1.0m, 1.6-2.8m, 3.0-4.0m

Water encountered at 2.0m. Standing water at twenty minutes 1.6m
Standing water on completion of the borehole at 1.5m.

Key: SPT (Standard Penetration Test), DS (Disturbed Sample), SV (Shear Vane)

MINI • SOIL • SURVEYS



Mini Soil Surveys North Ltd Unit 30 Atlantic Street Broadheath WA15 5NQ

Tel: 01619800044

Job Number: NOT00075

Borehole No: 3 of 3

Fax:

Site: Dalton Avenue, Fallowfield

Crew: A

Date Drilled: 13/09/2023

Description	Depth	Leg	Test Depth	Type	Value
80mm Concrete over 100mm ash and angular gravel overlying firm to stiff brown sandy clay with gravel and some ash and cinder inclusions, MADE GROUND.			0.20	DS	
Stiff becoming soft to firm, light brown/brown sandy CLAY with some fine gravel, occasional organic inclusions between 1.2-1.4m, and frequent wet sand and sand and gravel bands from 1.8m.	0.60		1.00	DS	
			1.20	SPT	N=11
			1.60	DS	
			1.70	SV	Cu=69kN/m2
			1.80	SPT	N=6
Stiff becoming very stiff brown sandy CLAY with some gravel.	2.30		2.40	SPT	N=11
			3.00	DS	
			3.60	SPT	N=33
			4.00	DS	
End of Hole	5.00				

SPT's @ 1.2m 3/3/3,3,3,2 @ 1.8m 3/2/2,1,2,1 @ 2.4m 2/2/2,2,3,4 @ 3.6m 6/7/8,8,8,9
 Disturbed samples taken at 0.2-1.0m, 1.0-1.6m, 1.6-2.3m, 3.0-4.0m, 4.0-5.0m
 Water encountered at 1.8m. Standing water at twenty minutes at 1.2m.
 Standing water on completion of the borehole at 1.3m.

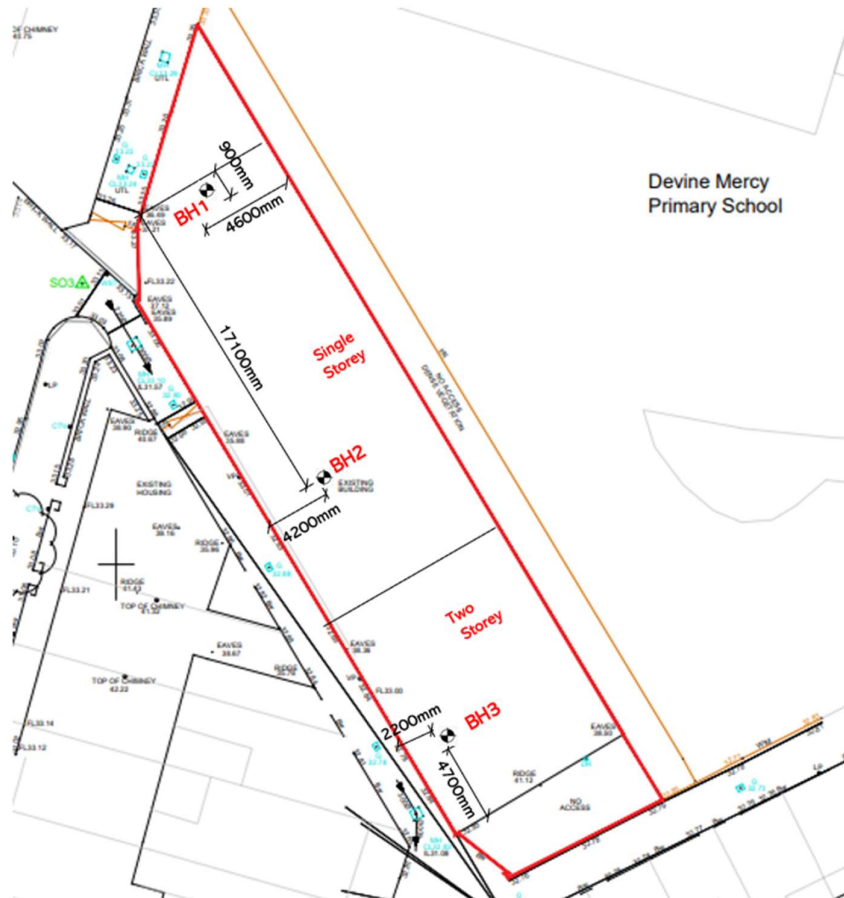
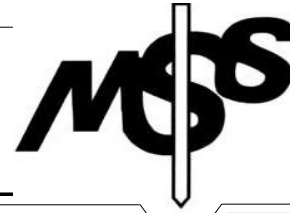
* Borehole converted to Gas Monitoring stand pipe.

Key: SPT (Standard Penetration Test), DS (Disturbed Sample), SV (Shear Vane).

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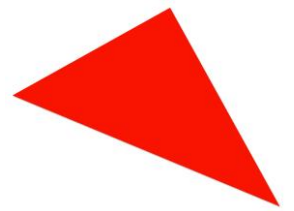
MINI SOIL SURVEYS (NORTH) LTD

Unit 30 Atlantic Business Centre, Atlantic Street, Broadheath, WA15 5NQ Tel: 0161 980 0044



Keyplan: Dalton Avenue Job No. NOT 00075

Keyplan dimensions are in metres (BH. = Borehole TP. = Trial Pit)



APPENDIX 3

CHEMICAL TEST RESULTS

FINAL ANALYTICAL TEST REPORT

Envirolab Job Number: 23/09302
Issue Number: 1

Date: 27 September, 2023

Client: Carley Daines and Partners Limited
11 Bridgewater Road
Manchester
Worsley
M28 3JE

Project Manager: Chris Carley/David Middleon
Project Name: Dalton Avenue
Project Ref: 13509
Order No: 13509
Date Samples Received: 19/09/23
Date Instructions Received: 20/09/23
Date Analysis Completed: 27/09/23

Approved by:



Richard Wong
Client Manager

Envirolab Job Number:

Client Project Name: Dalton Avenue

Client Project Ref: 13509

Lab Sample ID	23/09302/1	23/09302/2	23/09302/3				HWOL Report Acronym	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH1	BH2	BH3							
Depth to Top	0.20	0.20	0.20							
Depth To Bottom	1.0	1.0	1.0							
Date Sampled										
Sample Type	SOIL	SOIL	SOIL							
Sample Matrix Code	6A	3	3							
% Stones >10mm _A	<0.1	<0.1	<0.1					% w/w	0.1	A-T-044
pH _D ^{M#}	7.82	7.78	6.93					pH	0.01	A-T-031s
Sulphate (water sol 2:1) _D ^{M#}	0.26	0.41	0.47					g/l	0.01	A-T-026s
Arsenic _D ^{M#}	14	26	10					mg/kg	1	A-T-024s
Cadmium _D ^{M#}	2.4	5.5	8.2					mg/kg	0.5	A-T-024s
Copper _D ^{M#}	110	359	65					mg/kg	1	A-T-024s
Chromium _D ^{M#}	26	32	35					mg/kg	1	A-T-024s
Lead _D ^{M#}	349	294	382					mg/kg	1	A-T-024s
Mercury _D	0.99	0.54	0.39					mg/kg	0.17	A-T-024s
Nickel _D ^{M#}	34	44	31					mg/kg	1	A-T-024s
Selenium _D ^{M#}	<1	<1	1					mg/kg	1	A-T-024s
Zinc _D ^{M#}	395	602	908					mg/kg	5	A-T-024s

Envirolab Job Number:

Client Project Name: Dalton Avenue

Client Project Ref: 13509

Lab Sample ID	23/09302/1	23/09302/2	23/09302/3				HWOL Report Acronym	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH1	BH2	BH3							
Depth to Top	0.20	0.20	0.20							
Depth To Bottom	1.0	1.0	1.0							
Date Sampled										
Sample Type	SOIL	SOIL	SOIL							
Sample Matrix Code	6A	3	3							
Asbestos in Soil (inc. matrix)										
Asbestos in soil [#]	NAD	NAD	NAD							A-T-045
Asbestos Matrix (visual) _o	-	-	-							A-T-045
Asbestos Matrix (microscope) _o	-	-	-							A-T-045
Asbestos ACM - Suitable for Water Absorption Test? _o	N/A	N/A	N/A							A-T-045

Envirolab Job Number:

Client Project Name: Dalton Avenue

Client Project Ref: 13509

Lab Sample ID	23/09302/1	23/09302/2	23/09302/3				HWOL Report Acronym	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH1	BH2	BH3							
Depth to Top	0.20	0.20	0.20							
Depth To Bottom	1.0	1.0	1.0							
Date Sampled										
Sample Type	SOIL	SOIL	SOIL							
Sample Matrix Code	6A	3	3							
PAH-16MS										
Acenaphthene _A ^{MF}	0.06	13	5.56					mg/kg	0.01	A-T-019s
Acenaphthylene _A ^{MF}	<0.01	0.15	0.44					mg/kg	0.01	A-T-019s
Anthracene _A ^{MF}	0.17 ^U	22.1 ^U	8.15 ^U					mg/kg	0.02	A-T-019s
Benzo(a)anthracene _A ^{MF}	0.23	35.5	18.5					mg/kg	0.04	A-T-019s
Benzo(a)pyrene _A ^{MF}	0.34	17.9	11.8					mg/kg	0.04	A-T-019s
Benzo(b)fluoranthene _A ^{MF}	0.35	23.6	15.2					mg/kg	0.05	A-T-019s
Benzo(ghi)perylene _A ^{MF}	0.16	8.44	5.68					mg/kg	0.05	A-T-019s
Benzo(k)fluoranthene _A ^{MF}	0.21	9.33	5.92					mg/kg	0.07	A-T-019s
Chrysene _A ^{MF}	0.45	29.2	14.9					mg/kg	0.06	A-T-019s
Dibenzo(ah)anthracene _A	<0.04	2.62	1.78					mg/kg	0.04	A-T-019s
Fluoranthene _A ^{MF}	0.64	71.6	36.2					mg/kg	0.08	A-T-019s
Fluorene _A ^{MF}	0.04	7.50	3.42					mg/kg	0.01	A-T-019s
Indeno(123-cd)pyrene _A ^{MF}	0.17	12.2	7.21					mg/kg	0.03	A-T-019s
Naphthalene _A ^{MF}	<0.03	2.36	1.00					mg/kg	0.03	A-T-019s
Phenanthrene _A ^{MF}	0.38	101	39.9					mg/kg	0.03	A-T-019s
Pyrene _A ^{MF}	0.64	76	38.5					mg/kg	0.07	A-T-019s
Total PAH-16MS _A	3.84	432	214					mg/kg	0.01	A-T-019s

Envirolab Job Number:

Client Project Name: Dalton Avenue

Client Project Ref: 13509

Lab Sample ID	23/09302/1	23/09302/2	23/09302/3				HWOL Report Acronym	Units	Limit of Detection	Method ref
Client Sample No										
Client Sample ID	BH1	BH2	BH3							
Depth to Top	0.20	0.20	0.20							
Depth To Bottom	1.0	1.0	1.0							
Date Sampled										
Sample Type	SOIL	SOIL	SOIL							
Sample Matrix Code	6A	3	3							
TPH CWG with Clean Up										
Ali >C5-C6 _A	<0.01	0.06	<0.01				HS_MS_1D_AL	mg/kg	0.01	A-T-022s
Ali >C6-C8 _A	<0.01	0.72	<0.01				HS_MS_1D_AL	mg/kg	0.01	A-T-022s
Ali >C8-C10 _A	3	59	<10				EH_2D_AL_#1	mg/kg	1	A-T-055s
Ali >C10-C12 _A ^{M#}	<1	15	<10				EH_2D_AL_#1	mg/kg	1	A-T-055s
Ali >C12-C16 _A ^{M#}	<1	<10	<10				EH_2D_AL_#1	mg/kg	1	A-T-055s
Ali >C16-C21 _A ^{M#}	<1	<10	<10				EH_2D_AL_#1	mg/kg	1	A-T-055s
Ali >C21-C35 _A ^{M#}	4	125	77				EH_2D_AL_#1	mg/kg	1	A-T-055s
Total Aliphatics _A	6	201	77				HS_MS_1D+EH_2D_AL_#1	mg/kg	1	Calc-As Recd
Aro >C5-C7 _A [#]	<0.01	<0.01	<0.01				HS_MS_1D_AR	mg/kg	0.01	A-T-022s
Aro >C7-C8 _A [#]	<0.01	<0.01	<0.01				HS_MS_1D_AR	mg/kg	0.01	A-T-022s
Aro >C8-C10 _A	1	64	<10				EH_2D_AR_#1	mg/kg	1	A-T-055s
Aro >C10-C12 _A	1	50	<10				EH_2D_AR_#1	mg/kg	1	A-T-055s
Aro >C12-C16 _A ^{M#}	3	215	86				EH_2D_AR_#1	mg/kg	1	A-T-055s
Aro >C16-C21 _A ^{M#}	8	1660	427				EH_2D_AR_#1	mg/kg	1	A-T-055s
Aro >C21-C35 _A ^{M#}	35	4380	1170				EH_2D_AR_#1	mg/kg	1	A-T-055s
Total Aromatics _A	48	6380	1680				HS_MS_1D+EH_2D_AR	mg/kg	1	Calc-As Recd
TPH (Ali & Aro >C5-C35) _A	55	6570	1760				HS_MS_1D+EH_2D_Total_#1	mg/kg	1	Calc-As Recd
BTEX - Benzene _A [#]	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - Toluene _A [#]	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s
BTEX - Ethyl Benzene _A [#]	<0.01	0.04	<0.01					mg/kg	0.01	A-T-022s
BTEX - m & p Xylene _A [#]	<0.01	0.12	0.01					mg/kg	0.01	A-T-022s
BTEX - o Xylene _A [#]	<0.01	0.01	<0.01					mg/kg	0.01	A-T-022s
MTBE _A [#]	<0.01	<0.01	<0.01					mg/kg	0.01	A-T-022s

Report Notes

General

This report shall not be reproduced, except in full, without written approval from Envirolab.
 The results reported herein relate only to the material supplied to the laboratory.
 The residue of any samples contained within this report, and any received within the same delivery, will be disposed of **six weeks** after the initial scheduling. For samples tested for Asbestos we will retain a portion of the dried sample for a minimum of **six months** after the initial Asbestos testing is completed.
 Analytical results reflect the quality of the sample at the time of analysis only.
 Opinions and Interpretations expressed are outside our scope of accreditation.
 The client Sample No, Client Sample ID, Depth to top, Depth to Bottom and Date Sampled are all provided by the client.
 A deviating sample report is appended and will indicate if samples or tests have been found to be deviating. Any test results affected may not be an accurate record of the concentration at the time of sampling and, as a result, may be invalid.

Key

Superscript "#"	Accredited to ISO 17025
Superscript "M"	Accredited to MCertS
Superscript "U"	Individual result not accredited
None of the above symbols	Analysis unaccredited
Subscript "A"	Analysis performed on as-received Sample
Subscript "D"	Analysis performed on the dried sample, crushed to pass 2mm sieve.
Subscript "A"	Analysis has dependant options against results. Details appear in the comments of your Sample receipt
IS	Insufficient Sample for analysis
US	Unsuitable Sample for analysis
NDP	No Determination Possible
NAD	No Asbestos Detected
N/A	Not applicable

Asbestos

Asbestos in soil analysis is performed on a dried aliquot of the submitted sample and cannot guarantee to identify asbestos if only present in small numbers as discrete fibres/fragments in the original sample.
 Stones etc. are not removed from the sample prior to analysis
 Quantification of asbestos is a 3 stage process including visual identification, hand picking and weighing, and fibre counting by sedimentation/phase contrast optical microscopy if required. If asbestos is identified as being present but is not in a form that is suitable for analysis by hand picking and weighing (normally if the asbestos is present as free fibres) quantification by sedimentation is performed. Where ACMs are found a percentage asbestos is assigned to each with reference to 'HSG264, Asbestos: The survey guide' and the calculated asbestos content is expressed as a percentage of the dried soil sample aliquot used.

Assigned Matrix Codes

1	SAND	6	CLAY/LOAM	A	Contains Stones
2	LOAM	7	OTHER	B	Contains Construction Rubble
3	CLAY	8	Asbestos Bulk (Only Asbestos ID accredited)	C	Contains visible hydrocarbons
4	LOAM/SAND	9	Incinerator Ash (some Metals accredited)	D	Contains glass / metal
5	SAND/CLAY			E	Contains roots / twigs

Note: 7,8,9 matrices are not covered by our ISO 17025 or MCertS accreditation, unless stated above.

Soil Chemical Analysis:

All results are reported as dry weight (<40°C).
 For samples with Matrix Codes 1 - 6 natural stones, brick and concrete fragments >10mm and any extraneous material (visible glass, metal or twigs) are removed and excluded from the sample prior to analysis and reported results corrected to a whole sample basis.
 This is reported as '% stones >10mm'.
 For samples with Matrix Code 7 the whole sample is dried and crushed prior to analysis and this supersedes any "A" subscripts
 All analysis is performed on the sample as received for soil samples which are positive for asbestos or the client has informed asbestos may be present and/or if they are from outside the European Union and this supersedes any "D" subscripts.

TPH by method A-T-007:

For waters, free and visible oils are excluded from the sample used for analysis, so the reported result represents the dissolved phase only.
 Results "with Clean up" indicates samples cleaned up with Silica during extraction.

EPH CWG (method A-T-055) from TPH CWG:

EPH CWG results have humics mathematically subtracted through instrument calculation.
 Where these humic substances have been identified in any IDs from "TPH CWG with clean up" please note that the concentration is **NOT** included in the quantified results but present in the ID for information.

Electrical Conductivity of water by method A-T-037:

Results greater than 12900µS/cm @ 25°C / 11550µS/cm @ 20°C fall outside the accreditation range and as such are unaccredited.

Please contact your client manager if you require any further information.

Envirolab Deviating Samples Report

Units 7&8 Sandpits Business Park, Mottram Road, Hyde, SK14 3AR
Tel. 0161 368 4921 email. ask@envlab.co.uk

Client: Carley Daines and Partners Limited, 11 Bridgewater Road, Manchester, Worsley, M28 3JE
Project: Dalton Avenue
Clients Project No: 13509
Project No: 23/09302
Date Received: 20/09/2023 (am)
Cool Box Temperatures (°C): 15.2

Lab Sample ID	23/09302/1	23/09302/2	23/09302/3
Client Sample No			
Client Sample ID/Depth	BH1 0.20-1.0m	BH2 0.20-1.0m	BH3 0.20-1.0m
Date Sampled			
Deviation Code			
E (no date)	✓	✓	✓

Key
E (no date) No sampling date provided (all results affected if not provided)

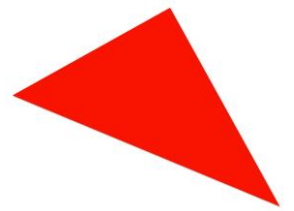
Note: If, at any point before reaching the laboratory, the temperature of the samples has breached those set in published standards, e.g. BS-EN 5667-3 (for water samples $5 \pm 3^{\circ}\text{C}$), ISO 18400-105:2017, then the concentration of any affected analytes may differ from that at the time of sampling.

Envirolab Analysis Dates

Lab Sample ID	23/09302/1	23/09302/2	23/09302/3
Client Sample No			
Client Sample ID/Depth	BH1 0.20-1.0m	BH2 0.20-1.0m	BH3 0.20-1.0m
Date Sampled			
A-T-019s	25/09/2023	25/09/2023	25/09/2023
A-T-022s	26/09/2023	26/09/2023	26/09/2023
A-T-024s	27/09/2023	27/09/2023	27/09/2023
A-T-026s	27/09/2023	27/09/2023	27/09/2023
A-T-031s	26/09/2023	26/09/2023	26/09/2023
A-T-044	27/09/2023	27/09/2023	27/09/2023
A-T-045	21/09/2023	21/09/2023	21/09/2023
A-T-055s	25/09/2023	25/09/2023	26/09/2023
Calc-As Recd	26/09/2023	26/09/2023	26/09/2023

The above dates are the analysis completion dates, please note that these are not necessarily the date that the analysis was weighed/extracted.

End of Report



APPENDIX 4

ASSESSMENT CRITERIA FOR SOIL CONTAMINATION

Generic Assessment Criteria for Human Health Risk Assessment Comparison

METALS/CYANIDE

Based on sandy loam soil as defined in SR3 (Environment Agency, 2009) and based on 6% soil organic matter (SOM)

Values are expressed in mg/kg

	S4UL						C4SL						EA SGV			EIC/AGS/CL:AIRE or *ATRISKSOIL		
	Residential with homegrown produce	Residential without homegrown produce	Allotment	Commercial	POSresi	POSpark	Residential with homegrown produce	Residential without homegrown produce	Allotment	Commercial	POSresi	POSpark	Residential	Allotment	Commercial	Residential without consumption of homegrown produce	Allotment	Commercial
Antimony ¹																550	ND	7500
Arsenic (6% SOM)	37	40	43	640	79	170	37	40	49	640	79	170	32	43	640			
Barium ¹																1300	ND	22000
Beryllium (6% SOM)	1.7	1.7	35	12	2.2	63												
Boron (6% SOM)	290	11000	45	240000	21000	46000												
Cadmium (6% SOM)	11	85	1.9	190	120	560	22	150	3.9	410	220	880	10	1.8	230			
Chromium (III) (6% SOM)	910	910	18000	8600	1500	33000												
Chromium (VI) (6% SOM)	6	6	1.8	33	7.7	220	21	21	170	49	21	250						
Copper (6% SOM)	2400	7100	520	68000	12000	44000												
Cyanide (AtriskSoil)																34*	34*	34*
Lead (6% SOM)							200	310	80	2300	630	1300						
Nickel (6%SOM)	130	180	53	980	230	800												
Mercury (Elemental) (6% SOM)	1.2	1.2	21	58	16	30							1.0	26	26			
Mercury (Inorganic) (6% SOM)	40	56	19	1100	120	240							170	80	3600			
Mercury (Methyl) (6% SOM)	11	15	6	320	40	68							11	8	410			
Molybdenum ¹																670	ND	17000
Selenium (6% SOM)	250	430	88	12000	1100	1800							350	120	13000			
Vanadium (6% SOM)	410	1200	91	9000	2000	5000												
Zinc (6% SOM)	3700	40000	620	730000	81000	170000												

Additional notes for EIC/AGS/CL:AIRE GAC

1 Due to the limitations in time and scope of the EIC/AGS/CL:AIRE project, plant uptake factors were not derived for metals and therefore the metals GAC have only been produced for residential without consumption of homegrown produce and commercial land-uses. Note that the derived GAC are not dependent on SOM.

Based on sandy loam soil as defined in SR3 (Environment Agency, 2009) and 1%, 2.5% and 6% soil organic matter (SOM).
SGVs based on 6% SOM, at a lower SOM the SGV may not be sufficiently protective.
Generic assessment criteria for Petroleum Hydrocarbons will vary according to SOM for all land values
Values are expressed in mg/kg
GACs assume that free phase contamination is not present
GACs are based on sub-surface soil to indoor air correction factor of 10

Compound	S4UL		Allotment	Commercial	POSresi	POSpark	C4SL		Allotment	Commercial	POSresi	POSpark	EA SGV			EIC/AGS/CL:AIRE		
	Residential with homegrown produce	Residential without homegrown produce					Residential with homegrown produce	Residential without homegrown produce					Residential	Allotment	Commercial	Residential with consumption of homegrown produce	Residential without consumption of homegrown produce	Allotment
Aliphatic EC 5-6 (1% SOM)	42	42	730	3200 (340)	570000 (304)	95000 (304)												
Aliphatic EC 5-6 (2.5% SOM)	78	78	1700	5900 (558)	590000	130000 (558)												
Aliphatic EC 5-6 (6% SOM)	160	160	3900	12000 (1150)	600000	18000 (1550)												
Aliphatic EC>6-8 (1% SOM)	100	100	2300	7800 (144)	600000	150000 (144)												
Aliphatic EC>6-8 (2.5% SOM)	230	230	5600	17000 (322)	610000	220000 (322)												
Aliphatic EC>6-8 (6% SOM)	530	530	13000	40000 (736)	620000	320000 (736)												
Aliphatic EC>8-10 (1% SOM)	27	27	320	2000 (78)	13000	14000 (78)												
Aliphatic EC>8-10 (2.5% SOM)	65	65	770	4800 (190)	13000	18000 (190)												
Aliphatic EC>8-10 (6% SOM)	150	150	1700	11000 (451)	13000	21000 (451)												
Aliphatic EC>10-12 (1% SOM)	130 (48)	130 (48)	2200	9700 (48)	13000	21000 (48)												
Aliphatic EC>10-12 (2.5% SOM)	330 (118)	330 (118)	4400	23000 (118)	13000	23000 (118)												
Aliphatic EC>10-12 (6%SOM)	760 (283)	770 (283)	7300	47000 (283)	13000	24000 (283)												
Aliphatic EC>12-16 (1% SOM)	1100 (24)	1100 (24)	11000	59000 (24)	13000	25000 (24)												
Aliphatic EC>12-16 (2.5% SOM)	2400 (59)	2400 (59)	13000	82000 (59)	13000	25000 (59)												
Aliphatic EC>12-16 (6% SOM)	4300 (142)	4300 (142)	13000	90000 (142)	13000	26000 (142)												
Aliphatic EC>16-35 (1% SOM)	65000 (8.48)	65000 (8.48)	260000	1600000	250000	450000												
Aliphatic EC>16-35 (2.5% SOM)	92000 (21)	92000 (21)	270000	1700000	250000	480000												
Aliphatic EC>16-35 (6% SOM)	110000	110000	270000	1800000	250000	490000												
Aliphatic EC>35-44 (1% SOM)	65000 (8.48)	65000 (8.48)	260000	1600000	250000	450000												
Aliphatic EC>35-44 (2.5% SOM)	92000 (21)	92000 (21)	270000	1700000	250000	480000												
Aliphatic EC>35-44 (6% SOM)	110000	110000	270000	1800000	250000	490000												
Aromatic EC 5-7 (1% SOM)	70	370	13	26000 (1220)	56000	76000 (1220)												
Aromatic EC 5-7 (2.5% SOM)	140	690	27	46000 (2260)	56000	84000 (2260)												
Aromatic EC 5-7 (6% SOM)	300	1400	57	86000 (4710)	56000	92000 (4710)												
Aromatic EC>7-8 (1% SOM)	130	860	22	56000 (869)	56000	87000 (869)												
Aromatic EC>7-8 (2.5% SOM)	290	1800	51	110000 (1920)	56000	95000 (1920)												
Aromatic EC>7-8 (6% SOM)	660	3900	120	180000 (4360)	56000	100000 (4360)												
Aromatic EC>8-10 (1% SOM)	34	47	8.6	3500 (613)	5000	7200 (613)												
Aromatic EC>8-10 (2.5% SOM)	83	110	21	8100 (1500)	5000	8500 (1500)												
Aromatic EC>8-10 (6% SOM)	190	270	51	17000 (3580)	5000	9300 (3580)												
Aromatic EC>10-12 (1% SOM)	74	250	13	16000 (364)	5000	9200 (364)												
Aromatic EC>10-12 (2.5% SOM)	180	590	31	28000 (899)	5000	9700 (899)												
Aromatic EC>10-12 (6% SOM)	380	1200	74	34000 (2150)	5000	10000												
Aromatic EC>12-16 (1% SOM)	140	1800	23	36000 (169)	5100	10000												
Aromatic EC>12-16 (2.5% SOM)	330	2300 (419)	57	37000	5100	10000												
Aromatic EC>12-16 (6% SOM)	660	2500	130	38000	5000	10000												
Aromatic EC>16-21 (1% SOM)	260	1900	46	28000	3800	7600												
Aromatic EC>16-21 (2.5% SOM)	540	1900	110	28000	3800	7700												
Aromatic EC>16-21 (6% SOM)	930	1900	260	28000	3800	7800												
Aromatic EC>21-35 (1% SOM)	1100	1900	370	28000	3800	7800												
Aromatic EC>21-35 (2.5% SOM)	1500	1900	820	28000	3800	7800												
Aromatic EC>21-35 (6% SOM)	1700	1900	1600	28000	3800	7900												
Aromatic EC>35-44 (1% SOM)	1100	1900	370	28000	3800	7800												
Aromatic EC>35-44 (2.5% SOM)	1500	1900	820	28000	3800	7800												
Aromatic EC>35-44 (6% SOM)	1700	1900	1600	28000	3800	7900												
Aliphatic + Aromatic EC>44-70 (1% SOM)	1600	1900	1200	28000	3800	7800												
Aliphatic + Aromatic EC>44-70 (2.5% SOM)	1800	1900	2100	28000	3800	7800												
Aliphatic + Aromatic EC>44-70 (6% SOM)	1900	1900	3000	28000	3800	7800												

Compound	S4UL						C4SL						EA SGV			EIC/AGS/CL:AIRE			
	Residential with homegrown produce	Residential without homegrown produce	Allotment	Commercial	POSresi	POSpark	Residential with homegrown produce	Residential without homegrown produce	Allotment	Commercial	POSresi	POSpark	Residential	Allotment	Commercial	Residential with consumption of homegrown produce	Residential without consumption of homegrown produce	Allotment	Commercial
Benzene (1% SOM)	0.087	0.38	0.017	27	72	90													
Benzene (2.5% SOM)	0.17	0.7	0.034	47	72	100													
Benzene (6% SOM)	0.37	1.4	0.075	90	73	110	0.87	3.3	0.18	98	140	230	0.33	0.07	95				
Toluene (1% SOM)	130	880 (869)	22	56000 (869)	56000	87000 (869)													
Toluene (2.5% SOM)	290	1900	51	110000 (1920)	56000	95000 (1920)													
Toluene (6% SOM)	660	3900	120	180000 (4360)	56000	100000 (4360)							610	120	4.4x10 ³				
Ethyl benzene (1% SOM)	47	83	16	5700 (518)	24000	17000 (518)													
Ethyl benzene (2.5% SOM)	110	190	39	13000 (1220)	24000	22000 (1220)													
Ethyl benzene (6% SOM)	260	440	91	27000 (2840)	25000	27000 (2840)							350	90	2.8x10 ³				
o-xylene (1%SOM)	60	88	28	6600 (478)	41000	17000 (478)													
o-xylene (2.5% SOM)	140	210	67	15000 (1120)	42000	24000 (1120)													
o-xylene (6% SOM)	330	480	160	33000 (2620)	43000	33000 (2620)							250	160	2.6x10 ³				
m-xylene (1% SOM)	59	82	31	6200 (625)	41000	17000 (625)													
m-xylene (2.5% SOM)	140	190	74	14000 (1470)	42000	24000 (1470)													
m-xylene (6% SOM)	320	450	170	31000 (3460)	43000	32000 (3469)							240	180	3.5x10 ³				
p-xylene (1% SOM)	56	79	29	5900 (576)	41000	17000 (478)													
p-xylene (2.5% SOM)	130	180	69	14000 (1350)	42000	23000 (1350)													
p-xylene (6% SOM)	310	430	160	30000 (3170)	43000	31000 (3170)							230	160	3.2x10 ³				
Methyl tert-butyl ether (1% SOM)																49	73	23	7900
Methyl tert-butyl ether (2.5% SOM)																84	120	44	13000
Methyl tert-butyl ether (6% SOM)																160	220	90	24000

Additional Notes for LQM/CIEH Generic Assessment Criteria

- 1 For residential land use the inhalation of vapours indoors exposure pathway is the most significant exposure pathway for the lighter end aliphatic and aromatic fractions (up to aliphatic EC>12-16 and aromatic EC>10-12). The ingestion of soil and indoor dust and consumption of homegrown produce exposure pathways are the most significant for the higher end fractions (aliphatics EC>16-35 and EC>35-44; aromatics EC>12-16, EC16-21, EC>21-35, EC>35-44 and EC44-70).
- 2 For the allotment land use the consumption of homegrown produce exposure pathway is the most significant for the aromatic and lighter end aliphatic fractions. The ingestion of soil and indoor dust is the most significant exposure pathway for the higher end aliphatics EC>12-16, EC>16-35 and EC35-44.
- 3 For the commercial land use the indoor inhalation of vapour exposure pathway is a significant exposure pathway for the lighter end aliphatic and aromatic fractions (up to aliphatic EC>12-16 and aromatic EC>10-12.
- 4 Background exposure represents a significant proportion of the total exposure for all fractions expect aromatic fractions EC>5-7 and EC>7-8 in all land uses.

Notes for SGVs

- 1 Based on a sandy loam as defined in Environment Agency (2009b) and 6% SOM. At a lower SOM, SGVs may not be sufficient protective.
- 2 Generic assessment criteria will vary according to SOM for all land uses.
- 3 SGVs assume that free phase contamination is not present.
- 4 SGVs based on a sub-surface soil to indoor air correction air correction factor of 10.
- 5 SGV presented for Toluene Commercial based on the vapour saturation limit.
- 6 SGV presented for Ethylbenzene Allotment and Xylene Allotment - in applying the rules for non-soil background, the inhalation background ADE is limited to being no larger than the contribution of the inhalation soil ADE.
- 7 Exposure of all isomers of xylene should be considered together, because the HCV applied is based on intake of total xylene and not an individual isomer in isolation.

Notes for EIC/AGS/CL:AIRE Generic Assessment Criteria

- 1 GAC have been derived for 4 generic land uses; residential with consumption of homegrown produce, residential without consumption of homegrown produce, allotments and commercial land-use.

POLYAROMATIC HYDROCARBONS

Based on sandy loam soil as defined in SR3 (Environment Agency, 2009) and 1%, 2.5% and 6% soil organic matter (SOM)
Generic assessment criteria for Polycyclic Aromatic Hydrocarbons will vary according to SOM for all land values

Values are expressed in mg/kg

GACs assume that free phase contamination is not present

GACs are based on sub-surface soil to indoor air correction factor of 1

Compound	LQM/CIEH						C4SL					
	Residential with home grown produce	Residential without home grown produce	Allotment	Commercial	POSresi	POSpark	Residential with home grown produce	Residential without home grown produce	Allotment	Commercial	POSresi	POSpark
Acenaphthene (1% SOM)	210	3000 (57)	34	84000 (57)	15000	29000						
Acenaphthene (2.5% SOM)	510	4700 (141)	85	97000 (141)	15000	30000						
Acenaphthene (6% SOM)	1100	6000 (336)	200	100000	15000	30000						
Acenaphthylene (1% SOM)	170	2900 (86.1)	28	83000 (86.1)	15000	29000						
Acenaphthylene (2.5% SOM)	420	4600 (212)	69	97000 (212)	15000	30000						
Acenaphthylene (6% SOM)	920	6000 (506)	160	100000	15000	30000						
Anthracene (1% SOM)	2400	31000 (1.17)	380	520000	74000	150000						
Anthracene (2.5% SOM)	5400	35000	950	540000	74000	150000						
Anthracene (6% SOM)	11000	37000	2200	540000	74000	150000						
Benz(a)anthracene (1% SOM)	7.2	11	2.9	170	29	49						
Benz(a)anthracene (2.5% SOM)	11	14	6.5	170	29	56						
Benz(a)anthracene (6% SOM)	13	15	13	180	29	62						
Benzo(a)pyrene (1% SOM)	2.2	3.2	0.97	35	5.7	11						
Benzo(a)pyrene (2.5% SOM)	2.7	3.2	2.0	35	5.7	12						
Benzo(a)pyrene (6% SOM)	3.0	3.2	3.5	36	5.7	13	5.0	5.3	5.7	77	10	21
Benzo(b)fluoranthene (1% SOM)	2.6	3.9	0.99	44	7.1	13						
Benzo(b)fluoranthene (2.5% SOM)	3.3	4.0	2.1	44	7.2	15						
Benzo(b)fluoranthene (6% SOM)	3.7	4.0	3.9	45	7.2	16						
Benzo(ghi)perylene (1% SOM)	320	360	290	3900	640	1400						
Benzo(ghi)perylene (2.5% SOM)	340	360	470	4000	640	1500						
Benzo(ghi)perylene (6% SOM)	350	360	640	4000	640	1600						
Benzo(k)fluoranthene (1% SOM)	77	110	37	1200	190	370						
Benzo(k)fluoranthene (2.5% SOM)	93	110	75	1200	190	410						
Benzo(k)fluoranthene (6% SOM)	100	110	130	1200	190	440						
Chrysene (1% SOM)	15	30	4.1	350	57	93						
Chrysene (2.5% SOM)	22	31	9.4	350	57	110						
Chrysene (6% SOM)	27	32	19	350	57	120						
Dibenzo(ah)anthracene (1% SOM)	0.24	0.31	0.14	3.5	0.57	1.1						
Dibenzo(ah)anthracene (2.5% SOM)	0.28	0.32	0.27	3.6	0.57	1.3						
Dibenzo(ah)anthracene (6% SOM)	0.3	0.32	0.43	3.6	0.58	1.4						
Fluoranthene (1% SOM)	280	1500	52	23000	3100	6300						
Fluoranthene (2.5% SOM)	560	1600	130	23000	3100	6300						
Fluoranthene (6% SOM)	890	1600	290	23000	3100	6400						
Fluorene (1% SOM)	170	2800 (30.9)	27	63000 (30.9)	9900	20000						
Fluorene (2.5% SOM)	400	3800 (76.5)	67	68000	9900	20000						
Fluorene (6% SOM)	860	4500 (183)	160	71000	9900	20000						
Indeno(123cd)pyrene (1% SOM)	27	45	9.5	500	82	150						
Indeno(123cd)pyrene (2.5% SOM)	36	46	21	510	82	170						
Indeno(123cd)pyrene (6% SOM)	41	46	39	510	82	180						
Naphthalene (1% SOM)	2.3	2.3	4.1	190 (76.4)	4900	1200 (76.4)						
Naphthalene (2.5% SOM)	5.6	5.6	10	460 (183)	4900	1900 (183)						
Naphthalene (6% SOM)	13	13	24	1100 (432)	4900	3000						
Phenanthrene (1% SOM)	95	1300 (36)	15	22000	3100	6200						
Phenanthrene (2.5% SOM)	220	1500	38	22000	3100	6200						
Phenanthrene (6% SOM)	440	1500	90	22000	3100	6300						
Pyrene (1% SOM)	620	3700	110	54000	7400	15000						
Pyrene (2.5% SOM)	1200	3800	270	54000	7400	15000						
Pyrene (6% SOM)	2000	3800	620	54000	7400	15000						
Coal Tar (BaP as surrogate marker)	0.79	1.2	0.32	15	2.2	4.4						
Coal Tar (BaP as surrogate marker)	0.98	1.2	0.67	15	2.2	4.7						
Coal Tar (BaP as surrogate marker)	1.1	1.2	1.2	15	2.2	4.9						

CHLOROALCANES AND ALKANES

Based on sandy loam soil as defined in SR3 (Environment Agency, 2009) and 1%, 2.5% and 6% soil organic matter (SOM)
Generic assessment criteria will vary according to SOM for all land values

Values are expressed in mg/kg

GACs assume that free phase contamination is not present

GACs are based on sub-surface soil to indoor air correction factor of 1

Compound	S4UL						EIC/AGS/CL:AIRE			
	Residential with home grown produce	Residential without home grown produce	Allotment	Commercial	POSresi	POSpark	Residential with consumption of homegrown produce	Residential without consumption of homegrown produce	Allotment	Commercial
1,1-Dichloroethane (1% SOM)							2.4	2.5	9.2	280
1,1-Dichloroethane (2.5% SOM)							3.9	4.1	17	450
1,1-Dichloroethane (6% SOM)							7.4	7.7	35	850
1,2-Dichloroethane (1% SOM)	0.0071	0.0092	0.0046	0.67	29	21				
1,2-Dichloroethane (2.5% SOM)	0.011	0.013	0.0083	0.97	29	24				
1,2-Dichloroethane (6% SOM)	0.019	0.023	0.016	1.7	29	28				
1,1,1-Trichloroethane (1% SOM)	8.8	9	48	660	140000	57000 (1425)				
1,1,1-Trichloroethane (2.5% SOM)	18	18	110	1300	140000	76000 (2915)				
1,1,1-Trichloroethane (6% SOM)	39	40	240	3000	140000	100000 (6392)				
1,1,2-Trichloroethane (1% SOM)							0.6	0.88	0.28	94
1,1,2-Trichloroethane (2.5% SOM)							1.2	1.8	0.61	190
1,1,2-Trichloroethane (6% SOM)							2.7	3.9	1.4	400
1,1,1,2-Tetrachloroethane (1% SOM)	1.2	1.5	0.79	110	1400	1500				
1,1,1,2-Tetrachloroethane (2.5% SOM)	2.8	3.5	1.9	250	1400	1800				
1,1,1,2-Tetrachloroethane (6% SOM)	6.4	8.2	4.4	560	1400	2100				
1,1,2,2-Tetrachloroethane (1% SOM)	1.6	3.9	0.41	270	1400	1800				
1,1,2,2-Tetrachloroethane (2.5% SOM)	3.4	8.0	0.89	550	1400	2100				
1,1,2,2-Tetrachloroethane (6% SOM)	7.5	17	2.0	1100	1400	2300				
1,1-Dichloroethene (1% SOM)							0.23	0.23	2.8	26
1,1-Dichloroethene (2.5% SOM)							0.40	0.41	5.6	46
1,1-Dichloroethene (6% SOM)							0.82	0.82	12	92
Tetrachloroethene (1% SOM)	0.18	0.18	0.65	19	1400	810 (424)				
Tetrachloroethene (2.5% SOM)	0.39	0.40	1.5	42	1400	1100 (951)				
Tetrachloroethene (6% SOM)	0.9	0.92	3.6	95	1400	1500				
Tetrachloromethane (1% SOM)	0.026	0.026	0.45	2.9	890	190				
Tetrachloromethane (2.5% SOM)	0.056	0.056	1.0	6.3	920	270				
Tetrachloromethane (6% SOM)	0.13	0.13	2.4	14	950	400				
Trichloroethene (1% SOM)	0.016	0.017	0.041	1.2	120	70				
Trichloroethene (2.5% SOM)	0.034	0.036	0.091	2.6	120	91				
Trichloroethene (6% SOM)	0.075	0.080	0.21	5.7	120	120				
Trichloromethane (1% SOM)	0.91	1.2	0.42	99	2500	2600				
Trichloromethane (2.5% SOM)	1.7	2.1	0.83	170	2500	2800				
Trichloromethane (6% SOM)	3.4	4.3	1.7	350	2500	3100				
Vinyl Chloride (1% SOM)	0.00064	0.00077	0.00055	0.059	3.5	4.8				
Vinyl Chloride (2.5% SOM)	0.00087	0.0010	0.0010	0.077	3.5	5.0				
Vinyl Chloride (6% SOM)	0.0014	0.0015	0.0018	0.12	3.5	5.4				
Chloroethane (1% SOM)							8.3	8.4	110	960
Chloroethane (2.5% SOM)							11	11	200	1300
Chloroethane (6% SOM)							18	18	380	2100
1,2-Dichloropropane (1% SOM)							0.024	0.024	0.62	3.3
1,2-Dichloropropane (2.5% SOM)							0.042	0.042	1.2	5.9
1,2-Dichloropropane (6% SOM)							0.084	0.085	2.6	12
2-Chloronaphthalene (1% SOM)							3.7	3.8	40	390
2-Chloronaphthalene (2.5% SOM)							9.2	9.3	98	960
2-Chloronaphthalene (6% SOM)							22	22	230	2200
Bromodichloromethane (1% SOM)							0.016	0.019	0.016	2.1
Bromodichloromethane (2.5% SOM)							0.030	0.034	0.032	3.7
Bromodichloromethane (6% SOM)							0.061	0.07	0.068	7.6
Chloromethane (1% SOM)							0.0083	0.0085	0.066	1
Chloromethane (2.5% SOM)							0.0098	0.0099	0.13	1.2
Chloromethane (6% SOM)							18	18	380	2100

Compound	S4UL		EIC/AGS/CL:AIRE						
	Residential with home grown produce	Residential without home grown produce	Allotment	Commercial	POSresi	POSpark	Residential with consumption of homegrown produce	Residential without consumption of homegrown produce	Allotment Commercial
<i>cis</i> -1,2 Dichloroethene (2.5% SOM)							0.19	0.20	0.50 24
<i>cis</i> -1,2 Dichloroethene (6% SOM)							0.37	0.39	1.0 47
<i>trans</i> -1,2 Dichloroethene (1% SOM)							0.19	0.19	0.93 22
<i>trans</i> -1,2 Dichloroethene (2.5% SOM)							0.34	0.35	1.9 40
<i>trans</i> -1,2 Dichloroethene (6% SOM)							0.70	0.71	4.0 81
Dichloromethane (1% SOM)							0.58	2.1	0.1 270
Dichloromethane (2.5% SOM)							0.98	2.8	0.19 360
Dichloromethane (6% SOM)							1.7	4.5	0.34 560
Hexachloroethane (1% SOM)							0.2	0.22	0.27 22
Hexachloroethane (2.5% SOM)							0.48	0.54	0.67 53
Hexachloroethane (6% SOM)							1.1	1.3	1.6 120

Notes for EIC/AGS/CL:AIRE Generic Assessment Criteria
 1 GAC have been derived for 4 generic land uses; residential with consumption of homegrown produce, residential without consumption of homegrown produce, allotments and commercial land-use.

EXPLOSIVES
 Based on sandy loam soil as defined in SR3 (Environment Agency, 2009) and 1%, 2.5% and 6% soil organic matter (SOM)
 Generic assessment criteria will vary according to SOM for all land values
 Values are expressed in mg/kg
 GACs assume that free phase contamination is not present
 GACs are based on sub-surface soil to indoor air correction factor of 1

Compound	S4UL		Allotment	Commercial	POSresi	POSpark
	Residential with home grown produce	Residential without home grown produce				
RDX (1% SOM)	120	13000	17	210000	210000	210000
RDX (2.5% SOM)	250	13000	38	210000	26000	49000 (18.7)
RDX (6% SOM)	540	13000	85.0	210000	27000	53000
HMX (1% SOM)	5.7	6700	0.86	110000	13000	23000 (0.35)
HMX (2.5% SOM)	13	6700	1.9	110000	13000	23000 (0.39)
HMX (6% SOM)	26	6700	3.9	110000	13000	24000 (0.48)

PESTICIDES

Based on sandy loam soil as defined in SR3 (Environment Agency, 2009) and 1%, 2.5% and 6% soil organic matter (SOM)
Generic assessment criteria will vary according to SOM for all land values

Values are expressed in mg/kg

GACs assume that free phase contamination is not present

GACs are based on sub-surface soil to indoor air correction factor of 1

Compound	S4UL		Allotment	Commercial	POSresi	POSpark
	Residential with home grown produce	Residential without home grown produce				
Aldrin (1% SOM)	5.7	7.3	3.2	170	18	30
Aldrin (2.5% SOM)	6.6	7.4	6.1	170	18	31
Aldrin (6% SOM)	7.1	7.5	9.6	170	18	31
Dieldrin (1% SOM)	0.97	7	0.17	170	18	30
Dieldrin (2.5% SOM)	2	7.3	0.41	170	18	30
Dieldrin (6% SOM)	3.5	7.4	0.96	170	18	31
Atrazine (1% SOM)	3.3	610	0.5	9300	1200	2300
Atrazine (2.5% SOM)	7.6	620	1.2	9400	1200	2400
Atrazine (6% SOM)	17.4	620	2.7	9400	1200	2400
Dichlorovos (1% SOM)	0.032	6.4	0.0049	140	16	26
Dichlorovos (2.5% SOM)	0.066	6.5	0.010	140	16	26
Dichlorovos (6% SOM)	0.14	6.6	0.022	140	16	27
Alpha-Endosulfan (1% SOM)	7.4	160 (0.003)	1.2	5600 (0.003)	1200	2400
Alpha-Endosulfan (2.5% SOM)	18	280 (0.007)	2.9	7400 (0.007)	1200	2400
Alpha-Endosulfan (6% SOM)	41	410 (0.016)	6.8	8400 (0.016)	1200	2500
Beta-Endosulfan (1% SOM)	7	190 (0.00007)	1.1	6300 (0.00007)	1200	2400
Beta-Endosulfan (2.5% SOM)	17	320 (0.0002)	2.7	7800 (0.0002)	1200	2400
Beta-Endosulfan (6% SOM)	39	440 (0.0004)	6.4	8700	1200	2500
Alpha-Hexachlorocyclohexanes (1	0.23	6.9	0.035	170	24	47
Alpha-Hexachlorocyclohexanes (2	0.55	9.2	0.087	180	24	48
Alpha-Hexachlorocyclohexanes (3	1.2	11	0.21	180	24	48
Beta-Hexachlorocyclohexanes (1	0.085	3.7	0.013	65	8.1	15
Beta-Hexachlorocyclohexanes (2	0.2	3.8	0.032	65	8.1	15
Beta-Hexachlorocyclohexanes (3	0.46	3.8	0.077	65	8.1	16
Gamma-Hexachlorocyclohexane	0.06	2.9	0.0092	67	8.2	14
Gamma-Hexachlorocyclohexane	0.14	3.3	0.023	69	8.2	15
Gamma-Hexachlorocyclohexane	0.33	3.5	0.054	70	8.2	15

CHLOROBENZENES & METHYLBENZENES

Based on sandy loam soil as defined in SR3 (Environment Agency, 2009) and 1%, 2.5% and 6% soil organic matter (SOM)

Generic assessment criteria will vary according to SOM for all land values

Values are expressed in mg/kg

GACs assume that free phase contamination is not present

GACs are based on sub-surface soil to indoor air correction factor of 1

Compound	S4UL						EIC/AGS/CL:AIRE			
	Residential with homegrown produce	Residential without homegrown produce	Allotment	Commercial	POSresi	POSpark	Residential with consumption of homegrown produce	Residential without consumption of homegrown produce	Allotment	Commercial
Chlorobenzene (1% SOM)	0.46	0.46	5.9	56	11000	1300 (675)				
Chlorobenzene (2.5% SOM)	1.0	1.0	14	130	13000	2000 (1520)				
Chlorobenzene (6% SOM)	2.4	2.4	32	290	14000	2900				
1,2-Dichlorobenzene (1% SOM)	23	24	94	2000 (571)	90000	24000 (571)				
1,2-Dichlorobenzene (2.5% SOM)	55	57	230	4800 (1370)	95000	36000 (1370)				
1,2-Dichlorobenzene (6% SOM)	130	130	540	11000 (3240)	98000	51000 (3270)				
1,3-Dichlorobenzene (1% SOM)	0.40	0.44	0.25	30	300	390				
1,3-Dichlorobenzene (2.5% SOM)	1.0	1.1	0.6	73	300	440				
1,3-Dichlorobenzene (6% SOM)	2.3	2.5	1.5	170	300	470				
1,4-Dichlorobenzene (1% SOM)	61	61	15	4400 (224)	17000	36000 (224)				
1,4-Dichlorobenzene (2.5% SOM)	150	150	37	10000 (540)	17000	36000 (540)				
1,4-Dichlorobenzene (6% SOM)	350	350	88	25000 (1280)	17000	36000 (1280)				
1,2,3-Trichlorobenzene (1% SOM)	1.5	1.5	4.7	102	1800	770 (134)				
1,2,3-Trichlorobenzene (2.5% SOM)	3.6	3.7	12	250	1800	110 (330)				
1,2,3-Trichlorobenzene (6% SOM)	8.6	8.8	28	590	1800	1600 (789)				
1,2,4-Trichlorobenzene (1% SOM)	2.6	2.6	55	220	15000	1700 (318)				
1,2,4-Trichlorobenzene (2.5% SOM)	6.4	6.4	140	530	17000	2600 (786)				
1,2,4-Trichlorobenzene (6% SOM)	15	15	320	1300	19000	400 (1880)				
1,3,5-Trichlorobenzene (1% SOM)	0.33	0.33	4.7	23	1700	380 (36.7)				
1,3,5-Trichlorobenzene (2.5% SOM)	0.81	0.81	12	55	1700	580 (90.8)				
1,3,5-Trichlorobenzene (6% SOM)	1.9	1.9	28	130	1800	860 (217)				
1,2,3,4-Tetrachlorobenzene (1% SOM)	15	24	4.4	1700 (122)	830	1500 (122)				
1,2,3,4-Tetrachlorobenzene (2.5% SOM)	36	56	11	3080 (304)	830	1600				
1,2,3,4-Tetrachlorobenzene (6% SOM)	78	120	26	4400 (728)	830	1600				
1,2,3,5-Tetrachlorobenzene (1% SOM)	0.66	0.75	0.38	49 (39.4)	78	110 (39)				
1,2,3,5-Tetrachlorobenzene (2.5% SOM)	1.6	1.9	0.90	120 (98.1)	79	120				
1,2,3,5-Tetrachlorobenzene (6% SOM)	3.7	4.3	2.2	240 (235)	79	130				
1,2,4,5-Tetrachlorobenzene (1% SOM)	0.33	0.73	0.06	42 (19.7)	13	25				
1,2,4,5-Tetrachlorobenzene (2.5% SOM)	0.77	1.7	0.16	72 (49.1)	13	26				
1,2,4,5-Tetrachlorobenzene (6% SOM)	1.6	3.5	0.37	96	13	26				
Pentachlorobenzene (1% SOM)	5.8	19	1.2	640 (43.0)	100	190				
Pentachlorobenzene (2.5% SOM)	12	30	3.1	770 (107)	100	190				
Pentachlorobenzene (6% SOM)	22	38	7.0	830	100	190				
Hexachlorobenzene (1% SOM)	1.8 (0.20)	4.1 (0.20)	0.47	110 (0.20)	16	30				
Hexachlorobenzene (2.5% SOM)	3.3 (0.50)	5.7 (0.50)	1.1	120	16	30				
Hexachlorobenzene (6% SOM)	4.9	6.7 (1.2)	2.5	120	16	30				
1,2,4-Trimethylbenzene (1% SOM)							0.35	0.41	0.38	42
1,2,4-Trimethylbenzene (2.5% SOM)							0.85	0.99	0.93	99
1,2,4-Trimethylbenzene (6% SOM)							2	2.3	2.2	220
Isopropyl benzene (1% SOM)							11	12	32	1400
Isopropyl benzene (2.5% SOM)							27	28	79	3300
Isopropyl benzene (6% SOM)							64	67	190	7700
Propylbenzene (1% SOM)							34	40	34	4100
Propylbenzene (2.5% SOM)							82	97	83	9700
Propylbenzene (6% SOM)							190	230	200	21000
Styrene (1% SOM)							8.1	35	1.6	3300
Styrene (2.5% SOM)							19	78	3.7	6500
Styrene (6% SOM)							43	170	8.7	11000

PHENOLS AND CHLOROPHENOLS

Based on sandy loam soil as defined in SR3 (Environment Agency, 2009) and 1%, 2.5% and 6% soil organic matter (SOM)
Generic assessment criteria will vary according to SOM for all land values

Values are expressed in mg/kg

GACs assume that free phase contamination is not present

GACs are based on sub-surface soil to indoor air correction factor of 1

	LQM/CIEH		EA SGV				EIC/AGS/CL:AIRE						
Compound	Residential with home grown produce	Residential without home grown produce	Allotment	Commercial	POSresi	POSpark	Residential	Allotment	Commercial	Residential with consumption of homegrown produce	Residential without consumption of homegrown produce	Atm	Commercial
Phenol (1% SOM)	120	440 (460)	23	440 (26000)	440 (10000)	440 (7600)							
Phenol (2.5% SOM)	200	690	42	690 (30000)	690 (10000)	690 (8300)							
Phenol (6% SOM)	380	1200	83	1300 (34000)	1300 (10000)	1300 (9300)	420	280	3200 (38000)				
Chlorophenol (1% SOM)	0.87	94	0.13	3500	620	1100							
Chlorophenol (2.5% SOM)	2.0	150	0.30	4000	620	1100							
Chlorophenol (6% SOM)	4.5	210	0.70	4300	620	1100							
Pentachlorophenol (1% SOM)	0.22	27 (16.7)	0.03	400	60	110							
Pentachlorophenol (2.5% SOM)	0.52	29	0.08	400	60	120							
Pentachlorophenol (6% SOM)	1.2	31	0.19	400	60	120							
2,4-Dimethylphenol (1% SOM)										19	210	3	16000
2,4-Dimethylphenol (2.5% SOM)										43	410	7	24000
2,4-Dimethylphenol (6%SOM)										97	730	17	30000
Total Cresols (2-Methylphenol, 3-methylphenol, 4-methylphenol) (1%SOM)										80	3700	12	160000
Total Cresols (2-Methylphenol, 3-methylphenol, 4-methylphenol) (2.5%SOM)										180	5400	27	180000
Total Cresols (2-Methylphenol, 3-methylphenol, 4-methylphenol) (6%SOM)										400	6900	63	180000

PHTHALATES

Based on sandy loam soil as defined in SR3 (Environment Agency, 2009) and 1%, 2.5% and 6% soil organic matter (SOM)
Generic assessment criteria will vary according to SOM for all land values

Values are expressed in mg/kg

GACs assume that free phase contamination is not present

GACs are based on sub-surface soil to indoor air correction factor of 1

Compound	EIC/AGS/CL:AIRE			
	Residential with consumption of homegrown produce	Residential without consumption of homegrown produce	Allotment	Commercial
Bis (2-ethylhexyl) phthalate (1%	280	2700	47	85000
Bis (2-ethylhexyl) phthalate (2.5%	610	2800	120	86000
Bis (2-ethylhexyl) phthalate (6%	1100	2800	280	86000
Butyl benzyl phthalate (1% SOM	1400	42000	220	940000
Butyl benzyl phthalate (2.5% SO	3300	44000	550	940000
Butyl benzyl phthalate (6% SOM	7200	44000	1300	950000
Diethyl Phthalate (1% SOM)	120	1800	19	1500000
Diethyl Phthalate (2.5% SOM)	260	3500	41	2200000
Diethyl Phthalate (6% SOM)	570	6300	94	2900000
Di-n -butyl phthalate (1% SOM)	13	450	2	15000
Di-n -butyl phthalate (2.5% SOM)	31	450	5	15000
Di-n -butyl phthalate (6% SOM)	67	450	12	15000
Di-n -octyl phthalate (1% SOM)	2300	3400	940	89000
Di-n -octyl phthalate (2.5% SOM)	2800	3400	2100	89000
Di-n -octyl phthalate (6% SOM)	3100	3400	3900	89000

OTHER ORGANICS

Based on sandy loam soil as defined in SR3 (Environment Agency, 2009) and 1%, 2.5% and 6% soil organic matter (SOM)

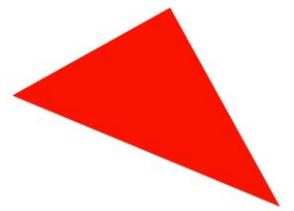
Generic assessment criteria will vary according to SOM for all land values

Values are expressed in mg/kg

GACs assume that free phase contamination is not present

GACs are based on sub-surface soil to indoor air correction factor of 1

Compound	S4UL			EIC/AGS/CL:AIRE						
	Residential with home grown produce	Residential without home grown produce	Allotment	Commercial	POSresi	POSpark	Residential with consumption of homegrown produce	Residential without consumption of homegrown produce	Allotment	Commercial
Carbon disulphide (1% SOM)	0.14	0.14	4.8	11	11000	1300				
Carbon disulphide (2.5% SOM)	0.29	0.29	10	22	11000	1900				
Carbon disulphide (6% SOM)	0.62	0.62	23	47	12000	2700				
Hexachloro-1,3-butadiene (1% S	0.29	0.32	0.25	31	25	48				
Hexachloro-1,3-butadiene (2.5%	0.70	0.78	0.61	66	25	50				
Hexachloro-1,3-butadiene (6% S	1.6	1.8	1.4	120	25	51				
Tributyl tin oxide (1% SOM)							0.25	1.4	0.042	130
Tributyl tin oxide (2.5% SOM)							0.59	3.1	0.1	180
Tributyl tin oxide (6% SOM)							1.3	5.7	0.24	200
Biphenyl (1% SOM)							66	220	14	18000
Biphenyl (2.5% SOM)							160	500	35	33000
Biphenyl (6% SOM)							360	980	83	48000
2,4-Dinitrotoluene (1% SOM)							1.5	170	0.22	3700
2,4-Dinitrotoluene (2.5% SOM)							3.2	170	0.49	3700
2,4-Dinitrotoluene (6% SOM)							7.2	170	1.1	3800
2,6-Dintrotoluene (1% SOM)							0.78	78	0.12	1900
2,6-Dintrotoluene (2.5% SOM)							1.7	84	0.27	1900
2,6-Dintrotoluene (6% SOM)							3.9	87	0.61	1900
Bromoform (1% SOM)							2.8	5.2	0.95	760
Bromoform (2.5% SOM)							5.9	11	2.1	1500
Bromoform (6% SOM)							13	23	4.6	3100



APPENDIX 5

HISTORICAL PLANS & ENVIRONMENTAL DATA

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

303932553_1_1

Customer Reference:

13509

National Grid Reference:

384370, 394810

Slice:

A

Site Area (Ha):

0.07

Search Buffer (m):

1000

Site Details:

11, Dalton Avenue

MANCHESTER

M14 7NR

Client Details:

Mr D Middleton

Carley Daines and Partners Limited

11 Bridgewater Road

Walkden

Worsley

Manchester

M28 3JE

Prepared For:

Dalton Avenue

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	11
Hazardous Substances	-
Geological	12
Industrial Land Use	14
Sensitive Land Use	-
Data Currency	21
Data Suppliers	26
Useful Contacts	27

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

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		n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 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 1				5
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2		Yes		
Pollution Incidents to Controlled Waters	pg 2			1	6
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 3				1
River Quality	pg 4			1	3
River Quality Biology Sampling Points	pg 4				1
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5				(*12)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 8	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Source Protection Zones	pg 8	1			1
Extreme Flooding from Rivers or Sea without Defences	pg 8		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 8				14

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 11	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
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					
Geological					
BGS 1:625,000 Solid Geology	pg 12	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 12		1		
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 12	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 12	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 12	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 12	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 12	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 14		2	9	61
Fuel Station Entries	pg 20				6
Gas Pipelines					
Underground Electrical Cables					
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	A13SW (S)	0	1	384366 394807
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	167	1	384366 395000
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Platt Lane Combined Sewer Overflow 114 Platt Lane, Rusholme, Manchester, Greater Manchester, M14 5xe Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016941067 Permit Version: 1 Effective Date: 1st January 1900 Issued Date: Not Supplied Revocation Date: 3rd December 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Platt Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	647	2	384900 394400
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Platt Lane Combined Sewer Overflow 114 Platt Lane, Rusholme, Manchester, Greater Manchester, M14 5xe Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016941067 Permit Version: 2 Effective Date: 4th December 2019 Issued Date: 4th December 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Platt Brook Via Sws Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	658	2	384944 394444
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Walmer St/Wilmslow Rd, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0382 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	976	2	385150 395400
4	Local Authority Pollution Prevention and Controls Name: Shell Princess Parkway Business Park Location: Princess Road, Whalley Range, MANCHESTER, Lancashire, M14 7LU Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/038/06 Dated: 15th December 1997 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A12SE (W)	555	3	383809 394698

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Local Authority Pollution Prevention and Controls Name: Wilbraham Road Service Station Location: 32 Wilbraham Road, Fallowfield, MANCHESTER, Lancashire, M14 7LW Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/052/10 Dated: 16th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A9SW (SE)	877	3	384943 394113
6	Local Authority Pollution Prevention and Controls Name: Alexandra Service Station Location: 95 Princess Road, Moss Side, MANCHESTER, Lancashire, M14 4TH Authority: Manchester City Council, Environmental Health Department Permit Reference: Pfs/18/98 Dated: 12th March 2001 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A17NE (NW)	901	3	383845 395575
7	Local Authority Pollution Prevention and Controls Name: Malthurst Princess Service Station Location: Princess Parade, Princess Road, MANCHESTER, Lancashire, M14 7FG Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/020/05 Dated: 14th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	988	3	383904 393912
8	Local Authority Pollution Prevention and Controls Name: Save Service Station Whitworth Park Location: 490 Moss Lane East, Rusholme, MANCHESTER, Lancashire, M14 4PA Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/36/98/02 Dated: 16th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A19NW (NE)	991	3	384909 395655
	Nearest Surface Water Feature	A13NE (E)	44	-	384418 394815
9	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Nico Ditch Incident Date: 26th June 1995 Incident Reference: 95641530 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	403	2	384500 394400
10	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Other Location: Co-Op Fire, Manchester Road, CHORLTON Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Fire water / Foam Note: 5 Pumps; Fire Water To Drains Incident Date: 1st November 1998 Incident Reference: SO981929 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	719	2	384600 394100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Pollution Incidents to Controlled Waters Property Type: Natural Sources Location: Platt Fields Park, Wilmslow Road, MANCHESTER, Greater Manchester Authority: Environment Agency, North West Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 26th July 1999 Incident Reference: 30613 Catchment Area: River Mersey (Etherow) Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	787	2	385001 394301
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Wilbraham Road , Princess Road Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: 25 Litres Of Petrol To Drains Incident Date: 2nd November 1998 Incident Reference: SO981943 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Road Traffic Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	829	2	383900 394100
13	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Gore Brook Incident Date: 5th September 1993 Incident Reference: 93641728 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	867	2	385200 394500
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Gore Brook Incident Date: 23rd November 1995 Incident Reference: 95642919 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	985	2	384300 393800
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Oil Note: Fallowfield Brook; Engine Oil Incident Date: 28th June 1993 Incident Reference: 93641324 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	997	2	384200 393800
16	Registered Radioactive Substances Name: Icon Development Solutions Limited Location: Parkway One, Parkway Business Centre, 300 Princess Road, Manchester, M14 7lu Authority: Environment Agency, North West Region Permit Reference: CD7086 Dated: Not Supplied Process Type: Not Supplied Description: Not Supplied Status: Authorisation certificate surrendered by operator Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	636	2	383800 394500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Chorlton Bk GQA Grade: River Quality B Reach: Qsl At Tan Yard Brow To Cringle Bk Estimated Distance 5.9 (km): Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8NE (S)	424	2	384525 394387
	River Quality Name: Fallowfield Bk GQA Grade: River Quality C Reach: Qsl At North Reddish To Chorlton Bk Estimated Distance 4.7 (km): Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8SE (S)	787	2	384400 393996
	River Quality Name: Chorlton Bk GQA Grade: River Quality B Reach: Cringle Bk To Mersey Estimated Distance 4.5 (km): Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8SW (S)	985	2	384086 393840
	River Quality Name: Cringle Bk GQA Grade: River Quality B Reach: Qsl At Heaton Chapel To Platt Bk Estimated Distance 4.8 (km): Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8SW (S)	985	2	384086 393840
17	River Quality Biology Sampling Points Name: Chorlton Beck Reach: Cringle Brook To Mersey Estimated Distance: 4.50 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2000 GQA Grade: River Quality Biology GQA Grade F - Bad Year: 2002 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2003 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2004 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2005 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2006 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2007 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2008 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2009 GQA Grade: River Quality Biology GQA Grade D - Fair	A8SW (S)	981	2	384100 393840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A22SE (NW)	1161	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	A22SE (NW)	1161	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	A22SE (NW)	1161	2	383900 395900
	Water Abstractions Operator: Scottish And Newcastle Uk Ltd Licence Number: 2569007007 Permit Version: 101 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (NW)	1161	2	383900 395900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A22SE (NW)	1161	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	A22SE (NW)	1161	2	383900 395900
	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	A22SE (NW)	1183	2	383865 395909
	Water Abstractions Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 103 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SE (NW)	1183	2	383865 395909

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A21SE (NW)	1525	2	383220 395850
	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	A21SE (NW)	1525	2	383220 395850
	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	A21SE (NW)	1525	2	383220 395850
	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	A21SE (NW)	1525	2	383220 395850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: Low	A13SW (S)	0	4	384366 394807
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SW (S)	0	4	384366 394807
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SW (S)	0	4	384366 394807
18	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SW (S)	0	2	384366 394807
19	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.	A17NE (NW)	931	2	383957 395674
	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	A13SW (SW)	232	2	384199 394628
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 967.0 Watercourse Level: Underground Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A9NW (SE)	582	5	384827 394412
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A9NW (SE)	642	5	384920 394436

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	642	5	384921 394438
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A9NW (SE)	645	5	384924 394437
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: Underground Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A9NW (SE)	650	5	384931 394439
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 457.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A9NW (SE)	657	5	384941 394442
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	916	5	385294 394695
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	919	5	385297 394698
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 827.6 Watercourse Level: Underground Permanent: True Watercourse Name: Fallowfield Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	920	5	384426 393864
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 379.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	921	5	385221 394408
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 711.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	937	5	384252 393853

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.6 Watercourse Level: Underground Permanent: True Watercourse Name: Leigh Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	937	5	384252 393853
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Leigh Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	950	5	384264 393838
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1590.6 Watercourse Level: Underground Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	968	5	384282 393818

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	6	384366 394807

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13SW (S)	0	1	384366 394807
34	BGS Recorded Mineral Sites Site Name: Moss Side Brick Works Location: Moss Side, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 91151 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	228	1	384556 394942
	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	A13SW (S)	0	1	384366 394807
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	167	1	384366 395000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	384366 394807
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	384372 394811
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	167	1	384366 395000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	171	1	384389 395000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	384366 394807
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	167	1	384366 395000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	384366 394807
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	167	1	384366 395000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	384366 394807
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	167	1	384366 395000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	384366 394807
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	167	1	384366 395000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	384366 394807
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	384366 394807

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Contemporary Trade Directory Entries Name: Diamond Laundry Services Location: 39, LLOYD STREET SOUTH, MANCHESTER, M14 7HS Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	99	-	384263 394866
35	Contemporary Trade Directory Entries Name: M C R Barber Supplies Location: 27, Lloyd Street South, Manchester, M14 7HS Classification: Electrical goods - servicing & repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	105	-	384271 394895
36	Contemporary Trade Directory Entries Name: Butler Refrigeration Ltd Location: 30, Laurel Avenue, Manchester, Lancashire, M14 7JW Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	267	-	384122 394961
37	Contemporary Trade Directory Entries Name: Nai Tyre Distribution Location: 302, Platt Lane, Manchester, Lancashire, M14 7BZ Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	268	-	384321 394519
37	Contemporary Trade Directory Entries Name: R & P Clough Location: 310, Platt Lane, Manchester, M14 7BZ Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	292	-	384301 394498
37	Contemporary Trade Directory Entries Name: City Domestic Appliances Location: 314, Platt Lane, Manchester, M14 7DA Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	295	-	384293 394498
38	Contemporary Trade Directory Entries Name: Aayo Travel Cargo Location: 304, Claremont Road, Manchester, M14 4EP Classification: Cargo Handling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	328	-	384403 395157
39	Contemporary Trade Directory Entries Name: Platt Lane Garage Ltd Location: 336, Platt Lane, Manchester, M14 7DA Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	349	-	384235 394461
40	Contemporary Trade Directory Entries Name: Arch Catering Equipment Location: 200, Platt Lane, Manchester, M14 7DE Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	400	-	384782 394771
41	Contemporary Trade Directory Entries Name: Gordon Motors Location: 14 Bowes St, Manchester, M14 4UL Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12NE (NW)	410	-	384008 395050
42	Contemporary Trade Directory Entries Name: Hawler Laundry Location: 341 Claremont Road, Manchester, Greater Manchester, M14 7NB Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	420	-	384640 395142
43	Contemporary Trade Directory Entries Name: J M Polishing Location: 54, Hart Road, Manchester, M14 7AD Classification: French Polishing Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	518	-	384642 394340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	Contemporary Trade Directory Entries Name: Shell Location: Princess Road, Manchester, Greater Manchester, M14 7LU Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A12SE (W)	552	-	383812 394699
44	Contemporary Trade Directory Entries Name: Shell Service Station Location: Princess Park Way, Manchester, Greater Manchester, M14 7LU Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SE (W)	555	-	383809 394700
44	Contemporary Trade Directory Entries Name: Shell Location: Parkway Business Centre, Princess Rd, Manchester, Lancashire, M14 7LU Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SE (W)	555	-	383809 394698
45	Contemporary Trade Directory Entries Name: S & S Biomat Ltd Location: Parkway Two, Parkway Business Centre, Princess Road, Manchester, M14 7LU Classification: Medical Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	622	-	383807 394516
45	Contemporary Trade Directory Entries Name: Corenergy Ltd Location: Parkway Two - Parkway Business Centre, Princess Road, Manchester, Greater Manchester, M14 7LU Classification: Lighting Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	622	-	383807 394516
46	Contemporary Trade Directory Entries Name: U Products Co Ltd Location: Unity House, 42, Great Southern Street, Manchester, M14 4EZ Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	624	-	384679 395366
47	Contemporary Trade Directory Entries Name: 1 Time Domestic Location: 92, Claremont Road, Manchester, M14 4RR Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	625	-	383843 395190
47	Contemporary Trade Directory Entries Name: Timpson Locksmiths Location: 187, Princess Road, Manchester, M14 4RL Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	630	-	383858 395219
48	Contemporary Trade Directory Entries Name: Best Cleaning Manchester Location: 4, Gascoyne Street, Manchester, M14 4FU Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	635	-	384508 395449
49	Contemporary Trade Directory Entries Name: Part Worn Tyres Location: 14, Bowdon Avenue, Manchester, Lancashire, M14 7HD Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	651	-	383960 394278
50	Contemporary Trade Directory Entries Name: Travel Saveway & Cargo Ltd Location: 179, Princess Road, Manchester, M14 4RL Classification: Cargo Handling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	655	-	383848 395247

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	Contemporary Trade Directory Entries Name: Northern 14 Dust Fairies & Handyman Services Location: 133, Heald Place, Manchester, M14 4AT Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	700	-	384908 395262
52	Contemporary Trade Directory Entries Name: Sayda Trade Supplies Ltd Location: 174, GREAT WESTERN STREET, MANCHESTER, M14 4SN Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	707	-	384146 395508
53	Contemporary Trade Directory Entries Name: Can Clean Will Clean Location: 159, Wilbraham Road, Manchester, M14 7DS Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	708	-	384560 394099
54	Contemporary Trade Directory Entries Name: Henson Hardware Location: 227-229, Great Western Street, Manchester, M14 4LG Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	718	-	384473 395541
54	Contemporary Trade Directory Entries Name: Caribbean Style Agency Location: 235, Great Western Street, Manchester, M14 4LQ Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	719	-	384502 395537
54	Contemporary Trade Directory Entries Name: Olympics Ltd Location: 37-39 Upper Lloyd St, Manchester, Lancashire, M14 4HY Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18NE (N)	759	-	384462 395584
54	Contemporary Trade Directory Entries Name: Oudscent Location: 2, Maine Road, Manchester, M14 4DW Classification: Perfume Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	760	-	384462 395585
55	Contemporary Trade Directory Entries Name: Greenheys Workshop Location: Monton St, Manchester, M14 4LS Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	738	-	384350 395571
55	Contemporary Trade Directory Entries Name: Greenheys M O T Station Location: Unit 4 Monton Street, Monton Trading Estate, Manchester, Greater Manchester, M14 4LS Classification: Mot Testing Centres Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18NE (N)	778	-	384369 395610
55	Contemporary Trade Directory Entries Name: Greenhey'S M O T Station Ltd Location: Unit 4 Monton Street, Monton Trading Estate, Manchester, Greater Manchester, M14 4LS Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	783	-	384354 395616
55	Contemporary Trade Directory Entries Name: A & Co Shutters Location: 69a, Monton Street, Manchester, M14 4LS Classification: Roller Shutter Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	791	-	384391 395623

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	Contemporary Trade Directory Entries Name: Domestic Care Location: 352, Great Western Street, Manchester, M14 4BY Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	767	-	384728 395503
56	Contemporary Trade Directory Entries Name: Domestic Care Appliance Ltd Location: 352, Great Western Street, Manchester, M14 4BY Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	767	-	384728 395503
56	Contemporary Trade Directory Entries Name: Diamond Plus Cleaning Location: 309, Great Western Street, Manchester, M14 4BZ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	795	-	384731 395533
57	Contemporary Trade Directory Entries Name: Rubbish Removals Location: 52, Viscount Street, Manchester, M14 5UH Classification: Rubbish Clearance Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	780	-	385038 395212
58	Contemporary Trade Directory Entries Name: Stevies Ironing Service Location: 23a, Upper Lloyd Street, Manchester, M14 4HY Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	798	-	384454 395624
59	Contemporary Trade Directory Entries Name: Mac Recovery 24 7 Manchester Location: 374, Princess Road, Manchester, M14 7ES Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	800	-	383838 394186
60	Contemporary Trade Directory Entries Name: Super Cleaning Services Location: 111, Princess Road, Manchester, M14 4RB Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	820	-	383845 395474
60	Contemporary Trade Directory Entries Name: Super Cleaning Services Uk Ltd Location: 111, Princess Road, Manchester, M14 4RB Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	820	-	383845 395474
61	Contemporary Trade Directory Entries Name: Landscenes Location: Widgeon Cl, Manchester, Lancashire, M14 7FJ Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	841	-	384561 393963
62	Contemporary Trade Directory Entries Name: Dot Vehicle Repairs Location: Salisbury St, Manchester, M14 4ND Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	845	-	384228 395668
63	Contemporary Trade Directory Entries Name: Hart Road Motor Company Ltd Location: 112, Hart Road, Manchester, M14 7BB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	852	-	384933 394138
63	Contemporary Trade Directory Entries Name: B P Service Station Location: 32, Wilbraham Road, Manchester, M14 7DW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	877	-	384943 394113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	Contemporary Trade Directory Entries Name: Save Location: 32, Wilbraham Road, Manchester, Lancashire, M14 7DW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	877	-	384943 394113
63	Contemporary Trade Directory Entries Name: Euro Garages Location: 32, Wilbraham Road, Manchester, M14 7DW Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	877	-	384943 394113
63	Contemporary Trade Directory Entries Name: Esso Location: 32 Wilbraham Road, Manchester, Greater Manchester, M14 7DW Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	878	-	384943 394112
64	Contemporary Trade Directory Entries Name: Alexandra Service Station Location: 95, Princess Road, Manchester, M14 4TH Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	901	-	383845 395575
64	Contemporary Trade Directory Entries Name: M R H Service Station Location: Princess Road, Manchester, Greater Manchester, M14 7FS Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	917	-	383850 395597
65	Contemporary Trade Directory Entries Name: Manchester Appliance Repairs Location: Greysam Court, 52, Demesne Road, Manchester, M16 8PF Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	905	-	383456 394681
66	Contemporary Trade Directory Entries Name: Emerge Recycling Ltd Location: First Floor, Barnhill Studios, Westwood Street, Manchester, M14 4SW Classification: Recycling Centres Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A17NE (NW)	910	-	383941 395643
66	Contemporary Trade Directory Entries Name: Emerge Recycling Location: First Floor, Barnhill Studios, Westwood St, Manchester, M14 4SW Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	924	-	383958 395666
67	Contemporary Trade Directory Entries Name: The Shed Location: 2, Princess Parade, Manchester, M14 7FS Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	914	-	383905 393997
67	Contemporary Trade Directory Entries Name: B P Service Station Location: Princess Road, Manchester, Greater Manchester, M14 7FS Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	921	-	383912 393984
67	Contemporary Trade Directory Entries Name: A & A Services (Uk) Manchester Location: 5, Princess Parade, Manchester, M14 7FS Classification: Photocopiers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	934	-	383905 393973
67	Contemporary Trade Directory Entries Name: Bp Express Shopping Location: Princess Rd, Manchester, M14 7FG Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	966	-	383870 393957

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	Contemporary Trade Directory Entries Name: K & C Cleaning Location: 76, Wilmslow Road, Manchester, Lancashire, M14 5AL Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	935	-	385147 395329
69	Contemporary Trade Directory Entries Name: Charles Wilson Auto Engineers Location: 160-164, Wilmslow Road, Manchester, M14 5LQ Classification: Car Breakdown & Recovery Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	950	-	385301 395031
69	Contemporary Trade Directory Entries Name: Strand Location: 172, Wilmslow Road, Manchester, M14 5LQ Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	971	-	385330 395003
70	Contemporary Trade Directory Entries Name: Whitworth Autos Location: 6 Heald Gro, Manchester, M14 4PB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	958	-	384918 395608
70	Contemporary Trade Directory Entries Name: Save Service Station Location: 490, Moss Lane East, Manchester, M14 4PA Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	991	-	384909 395655
71	Contemporary Trade Directory Entries Name: Eastern Gold Location: 161, Wilmslow Road, Manchester, M14 5AP Classification: Jewellery Manufacturers & Repairers Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	980	-	385234 395272
72	Contemporary Trade Directory Entries Name: Rusholme Service Station Location: 10 Wilmslow Road, Manchester, Greater Manchester, M14 5TQ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	987	-	385115 395464
73	Contemporary Trade Directory Entries Name: Malthurst Princess Service Station Location: Princess Parade, Manchester, M14 7FS Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	994	-	383905 393905
73	Contemporary Trade Directory Entries Name: Princess Service Station Location: Princess Parade, Manchester, M14 7FS Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	994	-	383905 393905
74	Contemporary Trade Directory Entries Name: Graviss Uk Pvt Ltd Location: 191, WILMSLOW ROAD, MANCHESTER, M14 5AQ Classification: Ice Cream Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	994	-	385287 395200
74	Contemporary Trade Directory Entries Name: Amee Location: 195-197, Wilmslow Road, Manchester, M14 5AQ Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (E)	1000	-	385298 395192
75	Contemporary Trade Directory Entries Name: Rusholme Pharmacy Location: 239, Wilmslow Road, Manchester, M14 5LW Classification: Chemists' & Pharmacists' Suppliers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	997	-	385335 395082

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	Contemporary Trade Directory Entries Name: Baloch M O T Centre Location: Manchester, Greater Manchester, M14 5lw Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	998	-	385338 395077
76	Contemporary Trade Directory Entries Name: Mona Lisa (Manchester) Ltd Location: Unit 2, Walmer Street East, Rusholme, Manchester, M14 5SS Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	999	-	385198 395370
77	Fuel Station Entries Name: Shell Princess Parkway Location: Princess Road , Moss Side , Manchester, Greater Manchester, M14 7LU Brand: SHELL Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A12SE (W)	555	-	383809 394700
78	Fuel Station Entries Name: Wilbraham Road Service Station Location: 32, Wilbraham Road , Fallowfield , Manchester, Greater Manchester, M14 7DW Brand: Esso Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	868	-	384942 394124
79	Fuel Station Entries Name: Alexandra Service Station Location: 95, Princess Road , Moss Side , Manchester, Greater Manchester, M14 4TH Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A17NE (NW)	901	-	383845 395575
80	Fuel Station Entries Name: Cordingley Service Station Location: 353, Moss Lane East , , Manchester, Greater Manchester, M14 4PY Brand: OBSOLETE Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Approximate location provided by supplier	A18NE (N)	926	-	384612 395722
81	Fuel Station Entries Name: Save Whitworth Park Location: 490, Moss Lane East Heald Grove & Heald Place, Rusholme , Manchester, Greater Manchester, M14 4PA Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	981	-	384957 395608
82	Fuel Station Entries Name: Mfg Princess Location: Princess Road , Withington , Manchester, Greater Manchester, M14 7FS Brand: BP Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	994	-	383905 393905

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

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

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	July 2022	Quarterly
Local Authority Landfill Coverage Manchester City Council - Planning Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Tameside Metropolitan Borough Council Trafford Metropolitan Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Manchester City Council - Planning Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Tameside Metropolitan Borough Council Trafford Metropolitan Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018	
Registered Landfill Sites Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Trafford Metropolitan Borough Council Manchester City Council - Planning Department Stockport Metropolitan Borough Council - Environment and Economic Development Tameside Metropolitan Borough Council - Planning and Building Control Salford City Council	April 2016 February 2016 February 2016 February 2016 June 2016	Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Trafford Metropolitan Borough Council Manchester City Council - Planning Department Stockport Metropolitan Borough Council - Environment and Economic Development Tameside Metropolitan Borough Council - Planning and Building Control Salford City Council	April 2016 February 2016 February 2016 February 2016 June 2016	Variable Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

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

A selection of organisations who provide data within this report

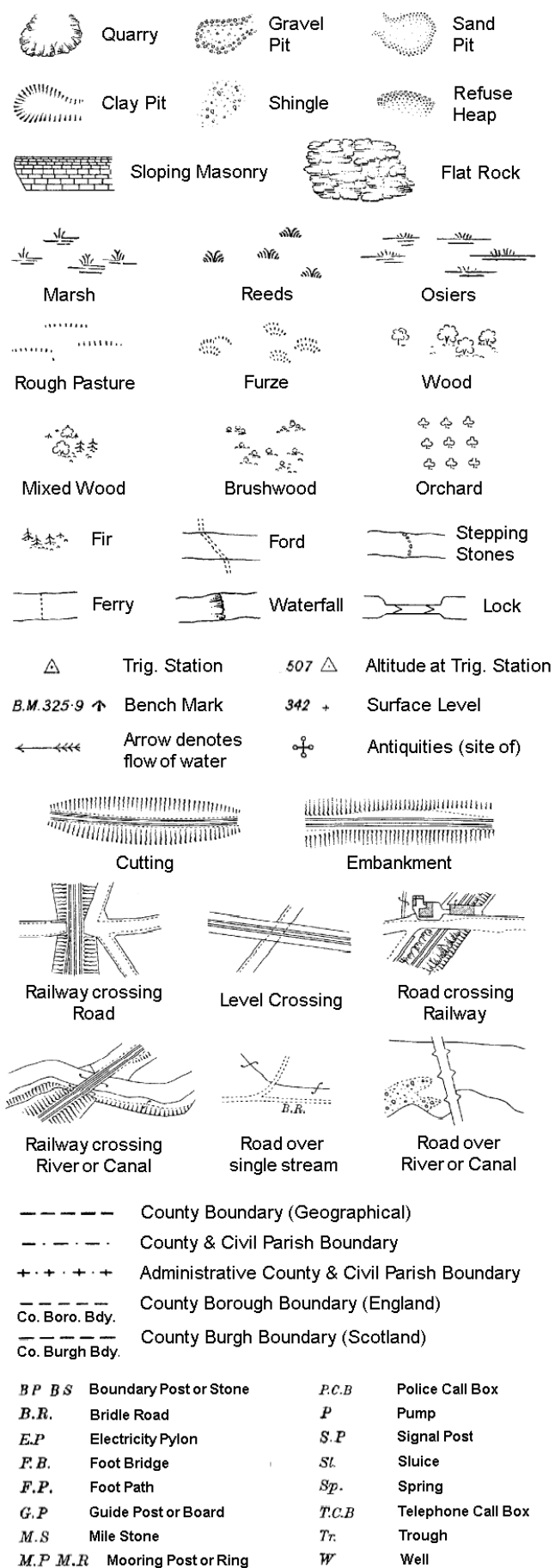
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Manchester City Council - Environmental Health Department PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY	Telephone: 0161 234 4884 / 234 4873. Fax: 0161 234 4508 Website: www.manchester.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Manchester City Council - Planning Department Town Hall, Manchester, Greater Manchester, M60 2LA	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
-	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

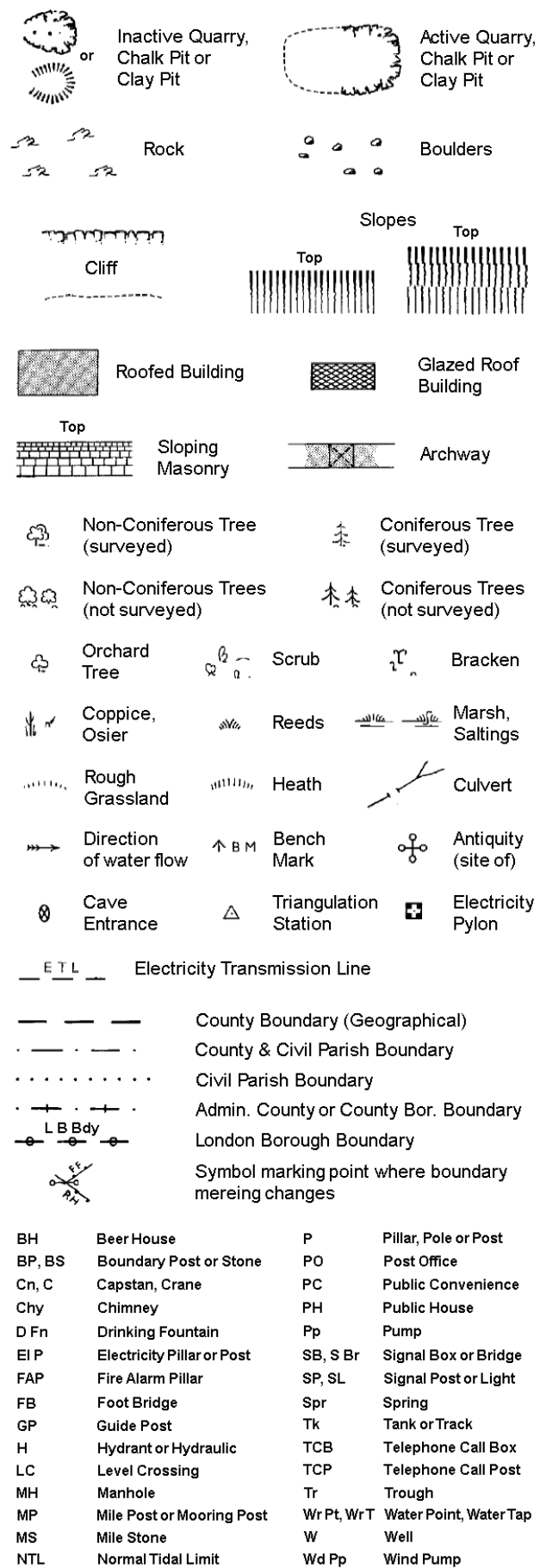
Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

Historical Mapping Legends

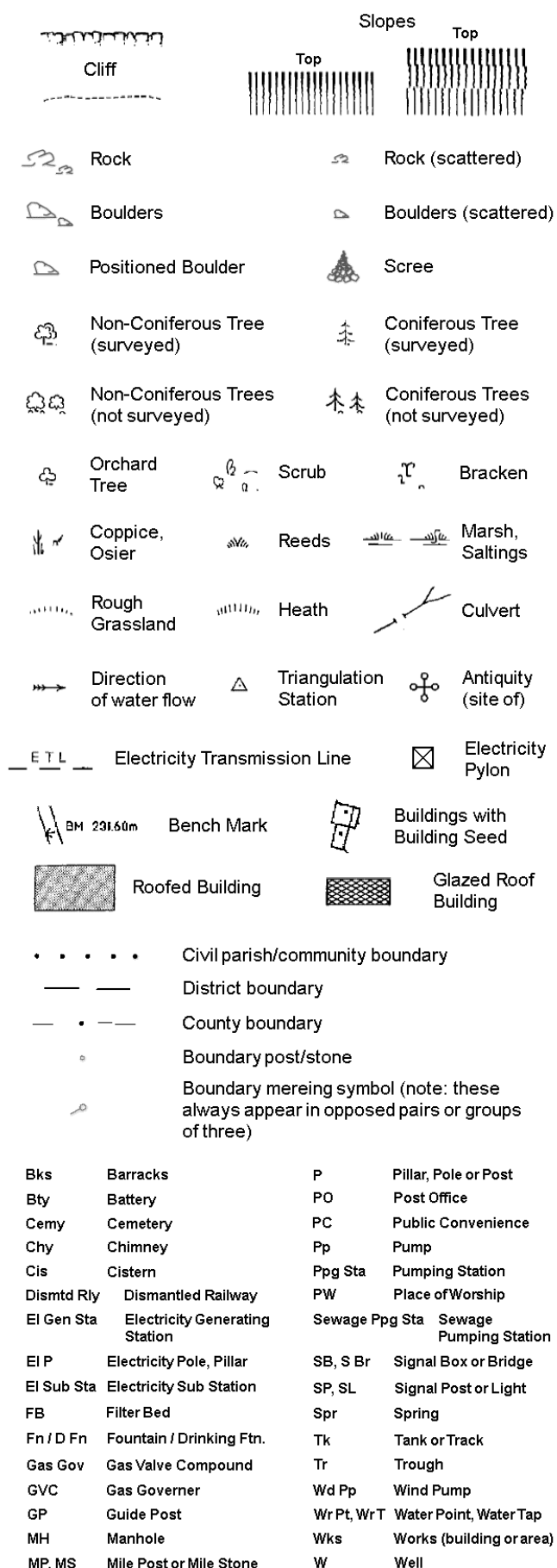
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



Ordinance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information



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



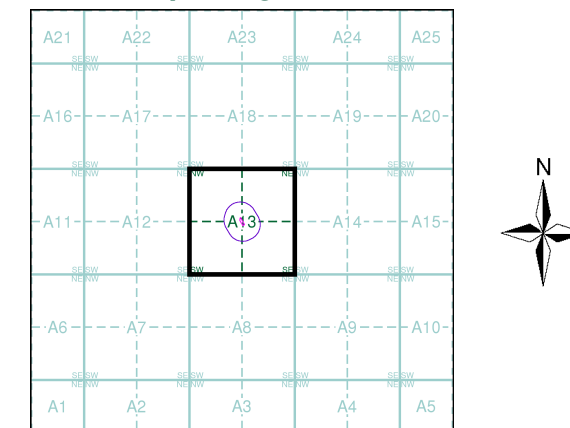
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893 - 1894	2
Lancashire And Furness	1:2,500	1907 - 1908	3
Lancashire And Furness	1:2,500	1922 - 1933	4
Lancashire And Furness	1:2,500	1934	5
Ordnance Survey Plan	1:1,250	1950 - 1951	6
Ordnance Survey Plan	1:2,500	1951 - 1952	7
Ordnance Survey Plan	1:1,250	1951 - 1972	8
Additional SIMs	1:1,250	1951 - 1988	9
Ordnance Survey Plan	1:2,500	1955 - 1968	10
Additional SIMs	1:1,250	1978 - 1988	11
Ordnance Survey Plan	1:1,250	1982	12
Additional SIMs	1:1,250	1982 - 1988	13
Large-Scale National Grid Data	1:1,250	1992	14
Large-Scale National Grid Data	1:1,250	1993 - 1994	15

Historical Map - Segment A13



Order Details

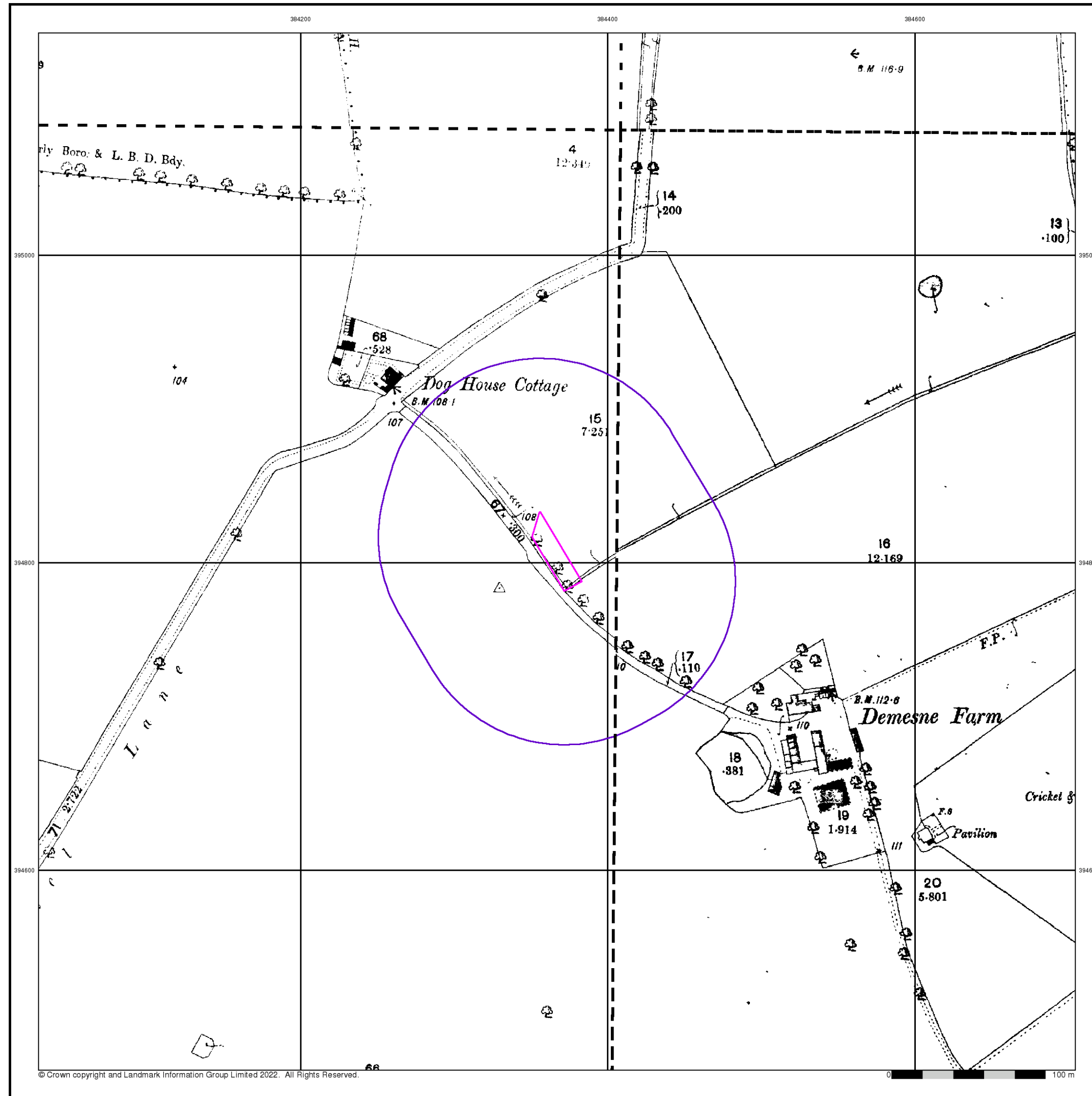
Order Number:	303932553_1_1
Customer Ref:	13509
National Grid Reference:	384370, 394810
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	100

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Lancashire And Furness

Published 1893 - 1894

Source map scale - 1:2,500

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Map Name(s) and Date(s)

104_14 1893 1:2,500	104_15 1893 1:2,500
111_02 1894 1:2,500	111_03 1893 1:2,500

Historical Map - Segment A13

A21	A22	A23	A24	A25
A16	A17	A18	A19	A20
A11	A12	A13	A14	A15
A6	A7	A8	A9	A10
A1	A2	A3	A4	A5



Order Details

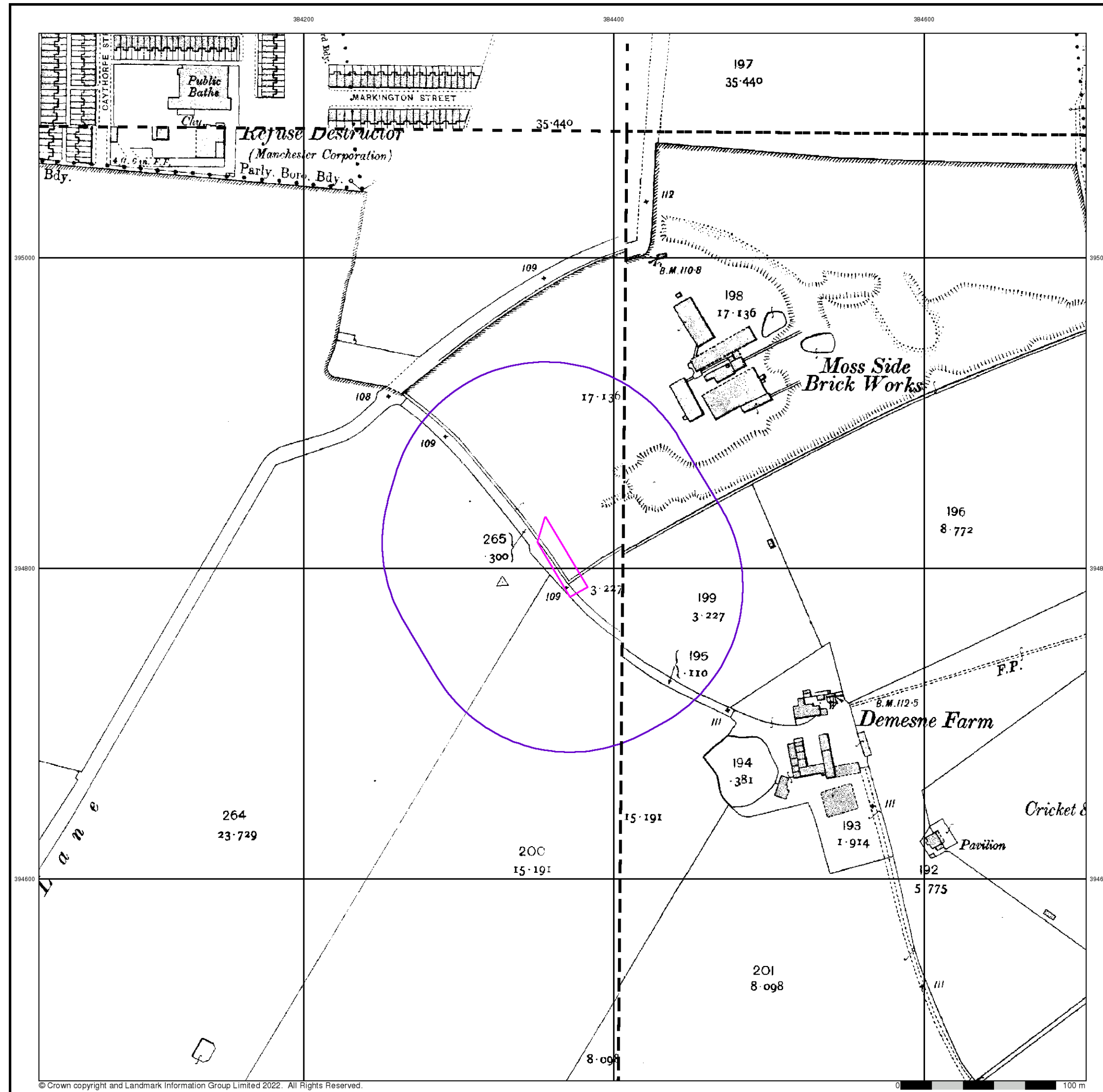
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

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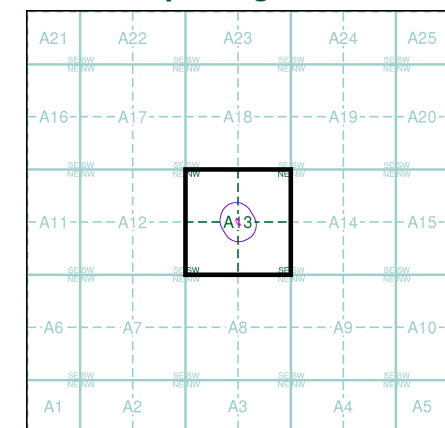
Lancashire And Furness
Published 1907 - 1908
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

104_14 1908 1:2,500	104_15 1908 1:2,500
111_02 1907 1:2,500	111_03 1907 1:2,500

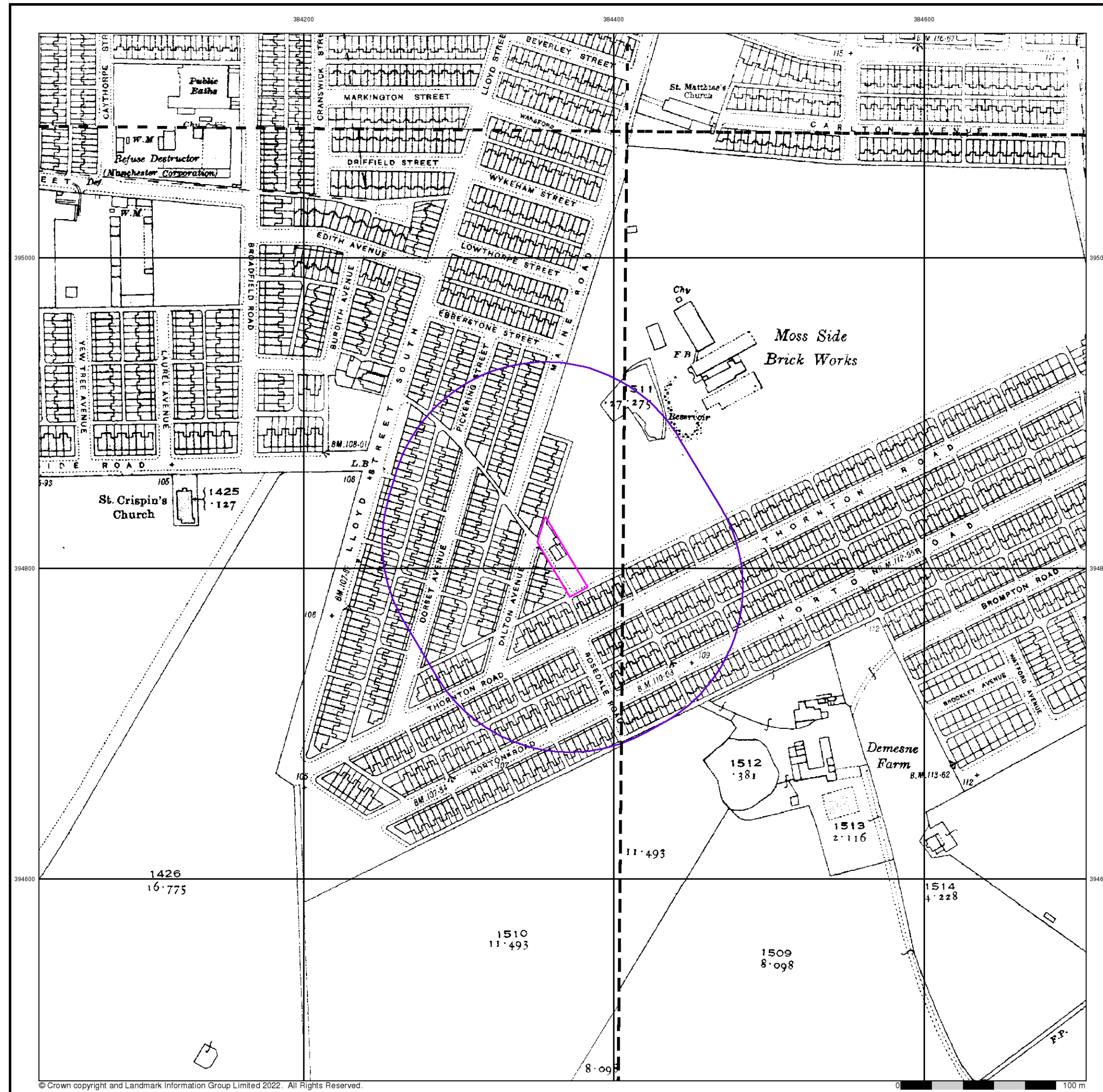
Historical Map - Segment A13



Order Details
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
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Lancashire And Furness

Published 1922 - 1933

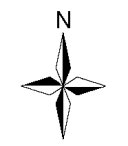
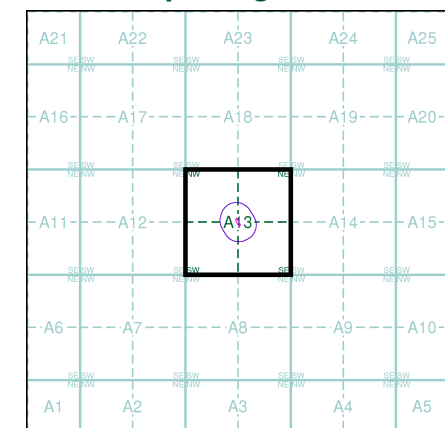
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

104_14 1932 1:2,500	104_15 1933 1:2,500
111_02 1933 1:2,500	111_03 1922 1:2,500

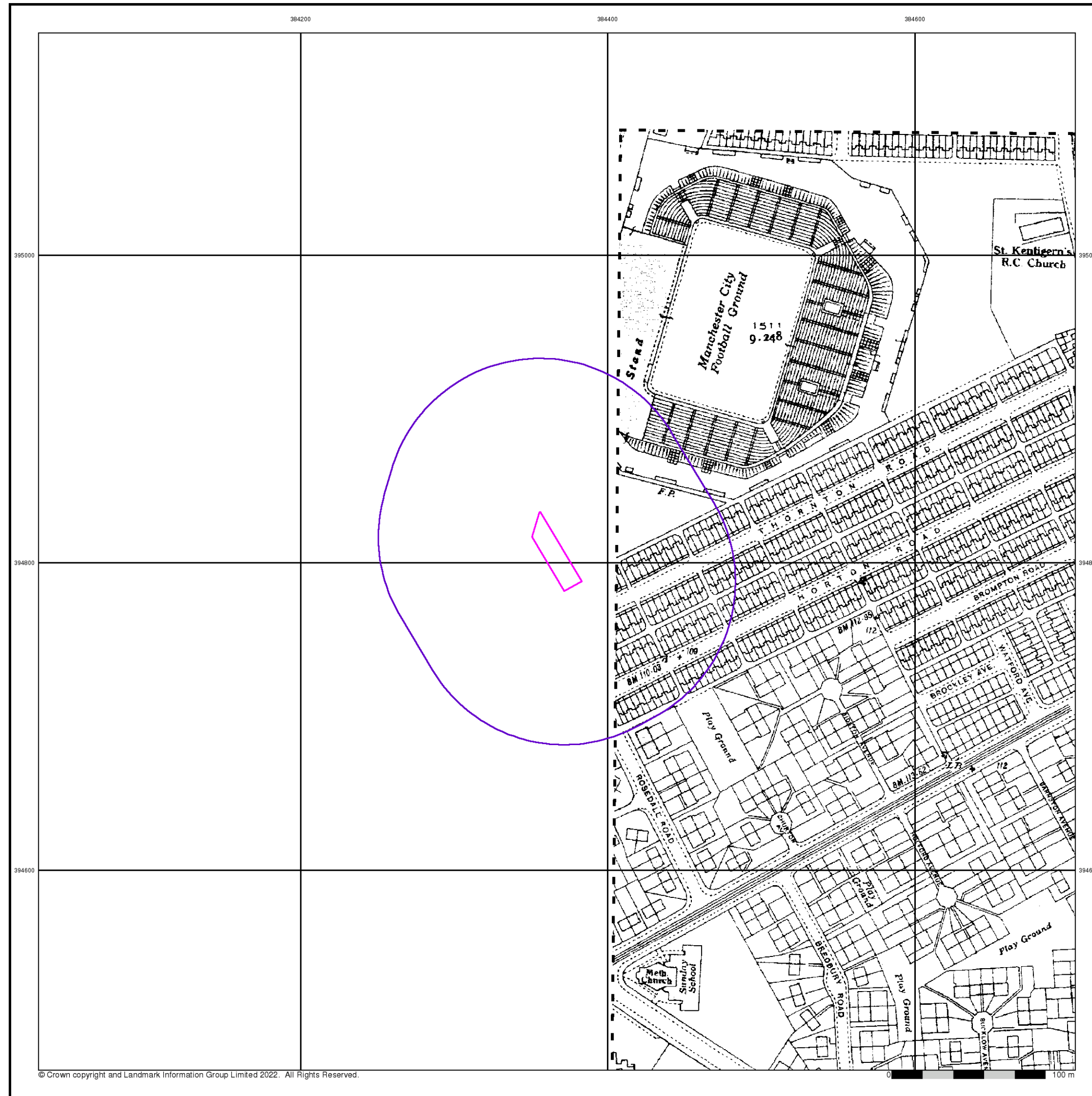
Historical Map - Segment A13



Order Details
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
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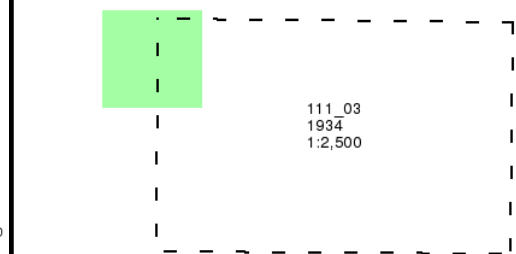
Lancashire And Furness

Published 1934

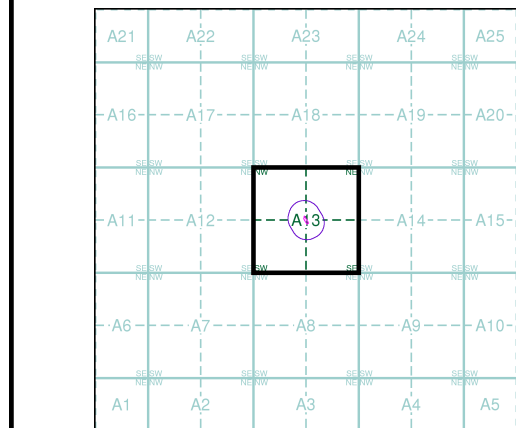
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

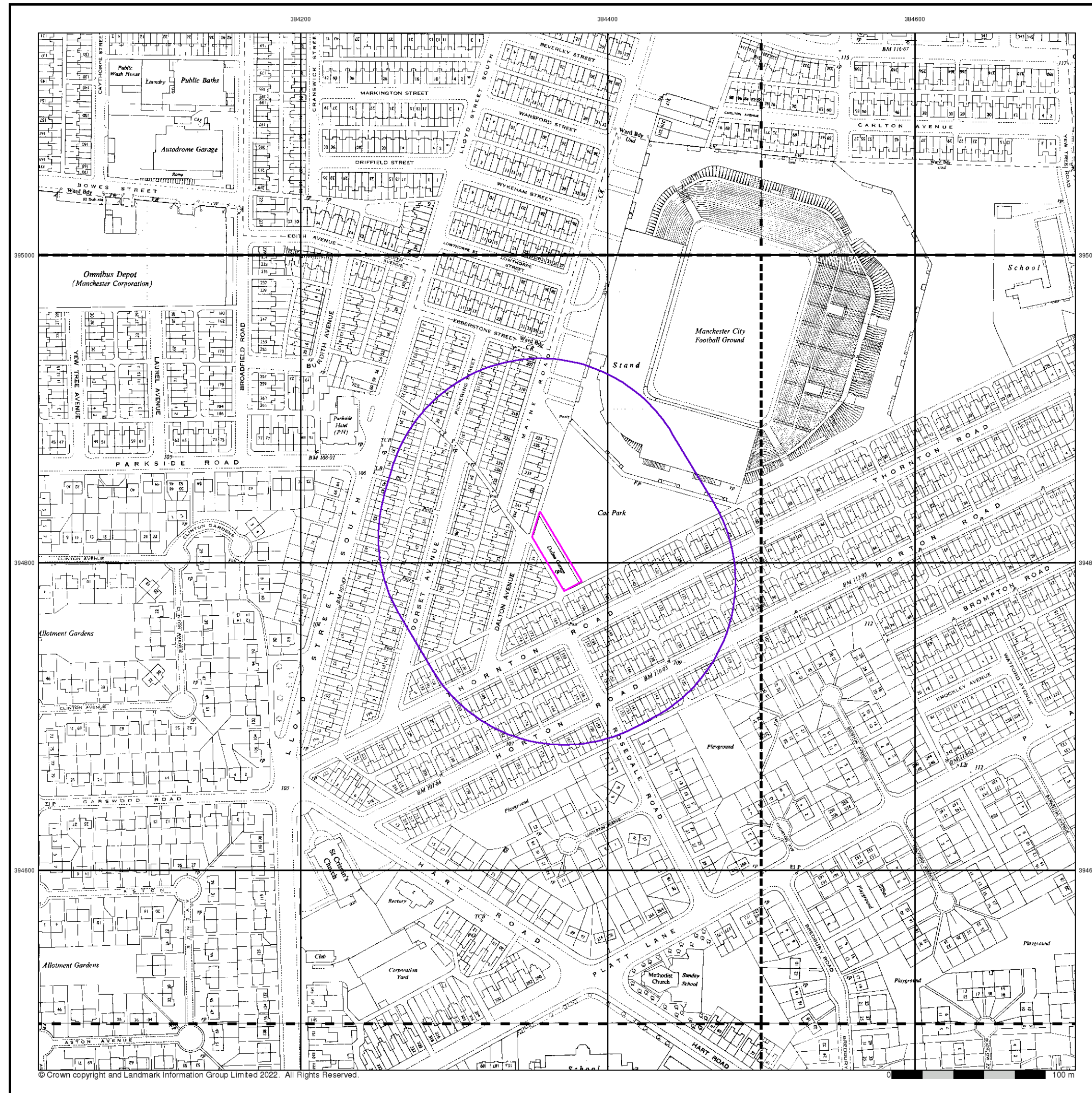


Order Details

Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

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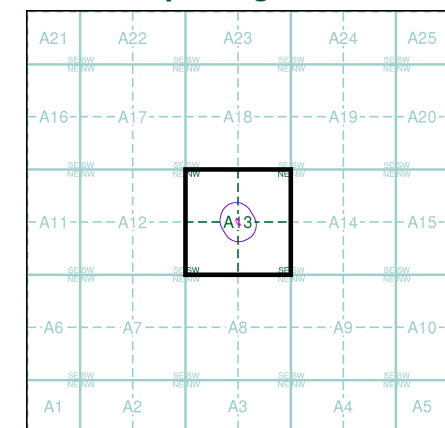
Ordnance Survey Plan Published 1950 - 1951 Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8495SW	SJ8495SE
1950	1950
1:1,250	1:1,250
SJ8494NW	SJ8494NE
1951	1951
1:1,250	1:1,250
SJ8494SW	SJ8494SE
1951	1951
1:1,250	1:1,250

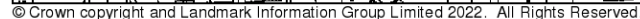
Historical Map - Segment A13

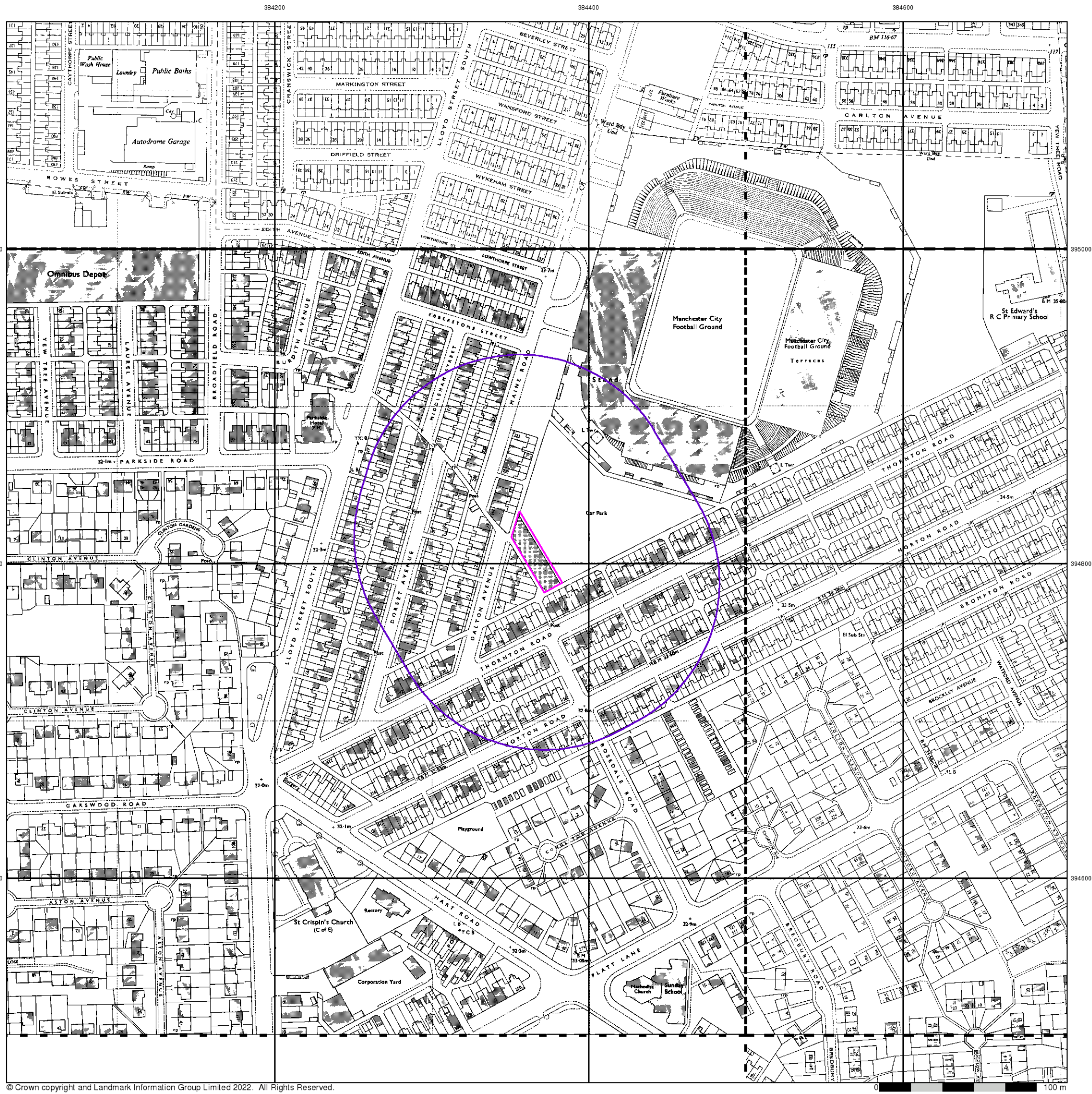


Order Details
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

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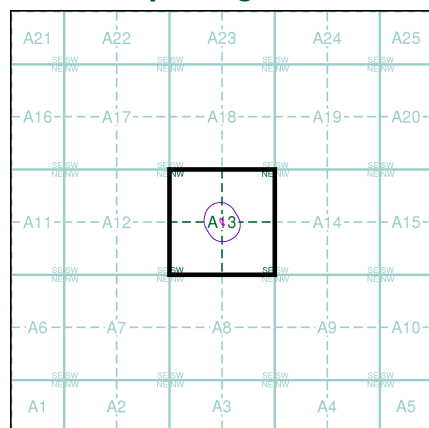
Ordnance Survey Plan Published 1951 - 1972 Source map scale - 1:1,250

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)

SJ8495SW	SJ8495SE
1951	1951
1:1,250	1:1,250
SJ8494NW	SJ8494NE
1972	1972
1:1,250	1:1,250
	SJ8494SE
	1958
	1:1,250

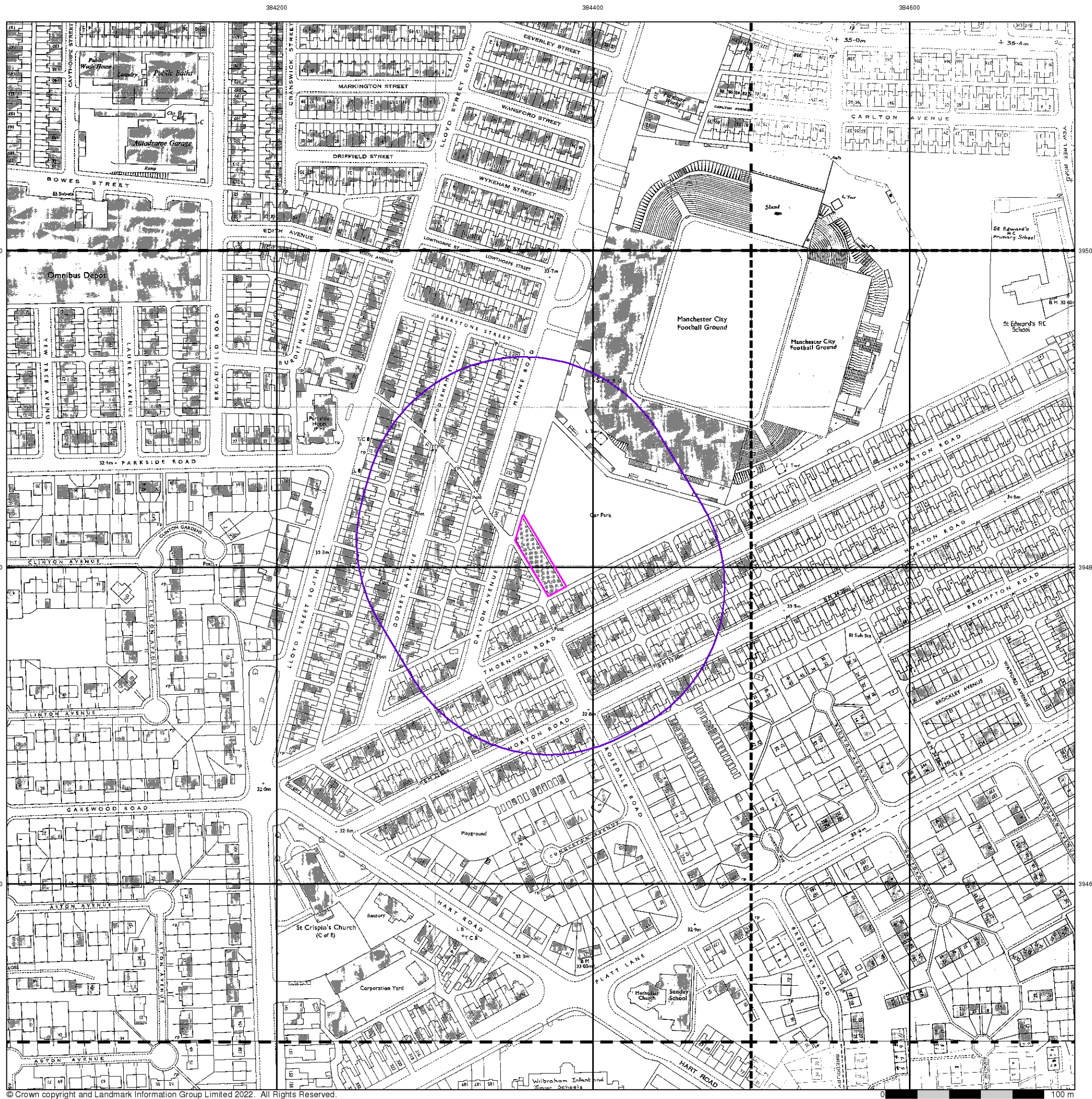
Historical Map - Segment A13



Order Details
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
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Additional SIMs

Published 1951 - 1988

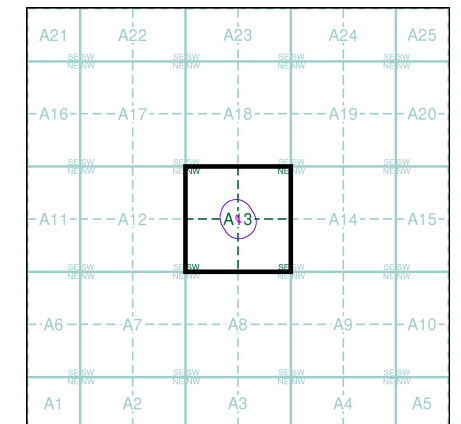
Source map scale - 1:1,250

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)

8495SW	8495SE
1951	1978
1:1,250	1:1,250
8494NW	8494NE
1972	1988
1:1,250	1:1,250
8494SW	8494SE
1980	1978
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

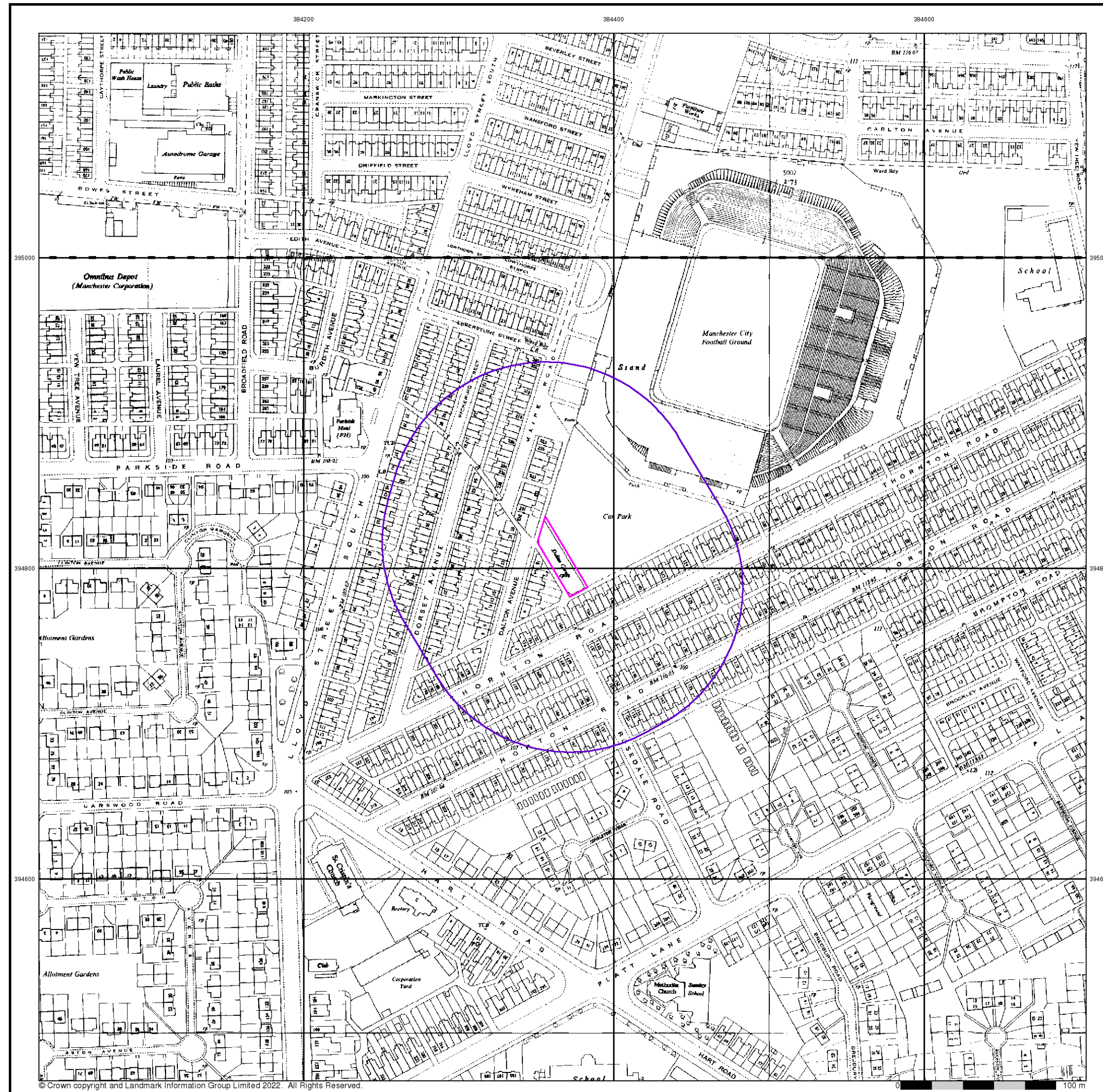
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
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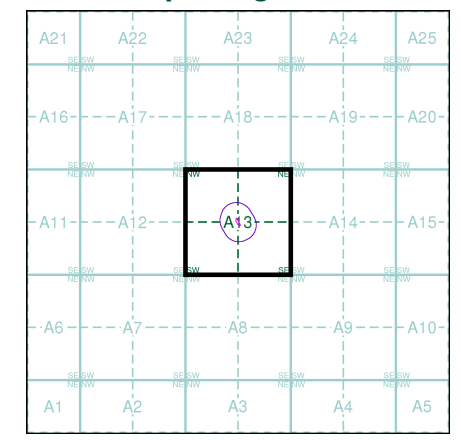
Ordnance Survey Plan Published 1955 - 1968 Source map scale - 1:2,500

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)

SJ8495
1955
1:2,500
SJ8494
1968
1:2,500

Historical Map - Segment A13

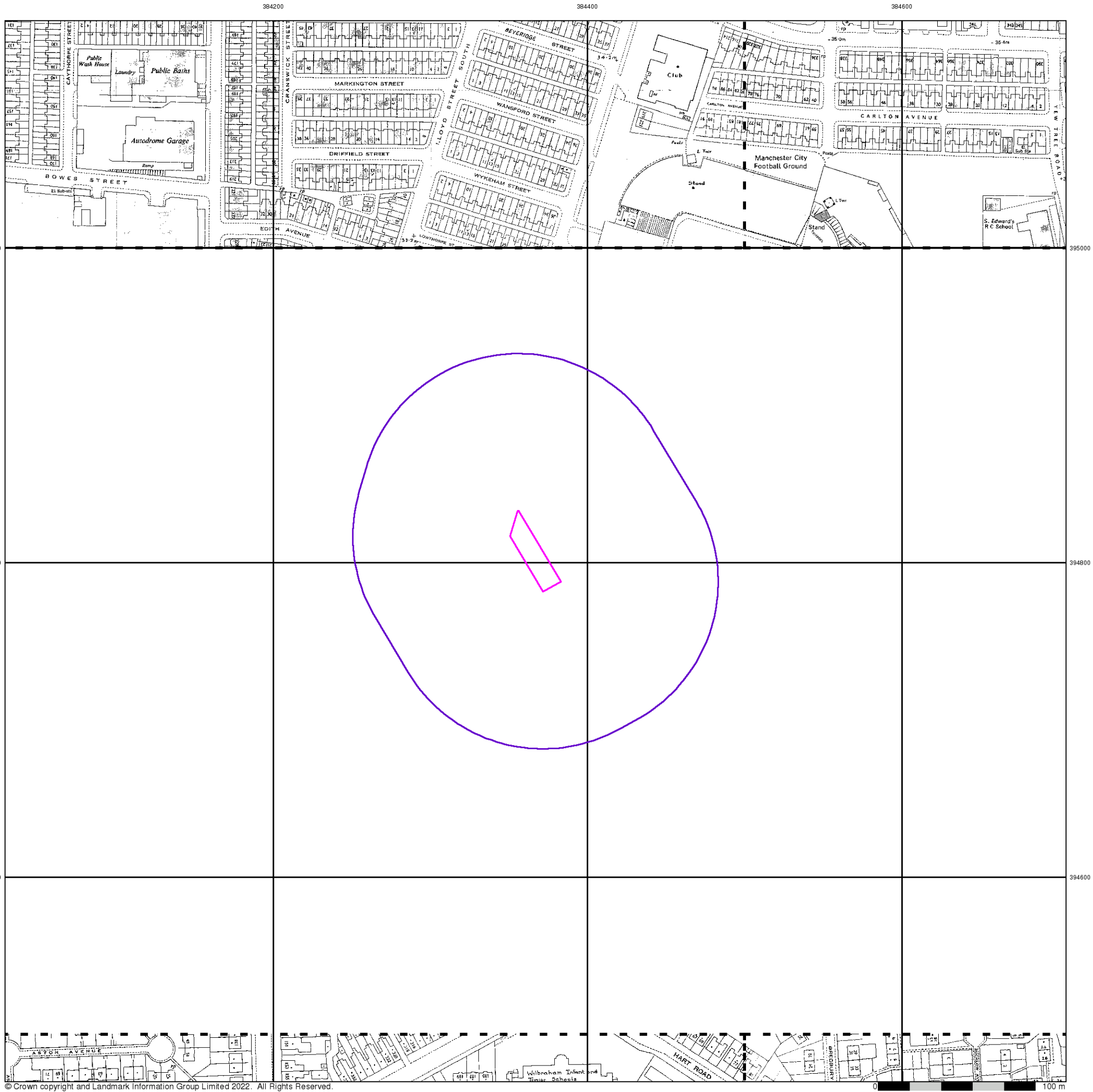


Order Details	
Order Number:	303932553_1_1
Customer Ref:	13509
National Grid Reference:	384370, 394810
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	100

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Additional SIMs

Published 1978 - 1988

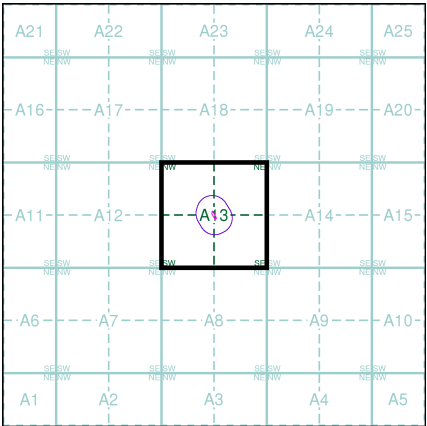
Source map scale - 1:1,250

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)

BJ8495SW	BJ8495SE
1978	1987
1:1,250	1:1,250
BJ8494SW	BJ8494SE
1988	1983
1:1,250	1:1,250

Historical Map - Segment A13

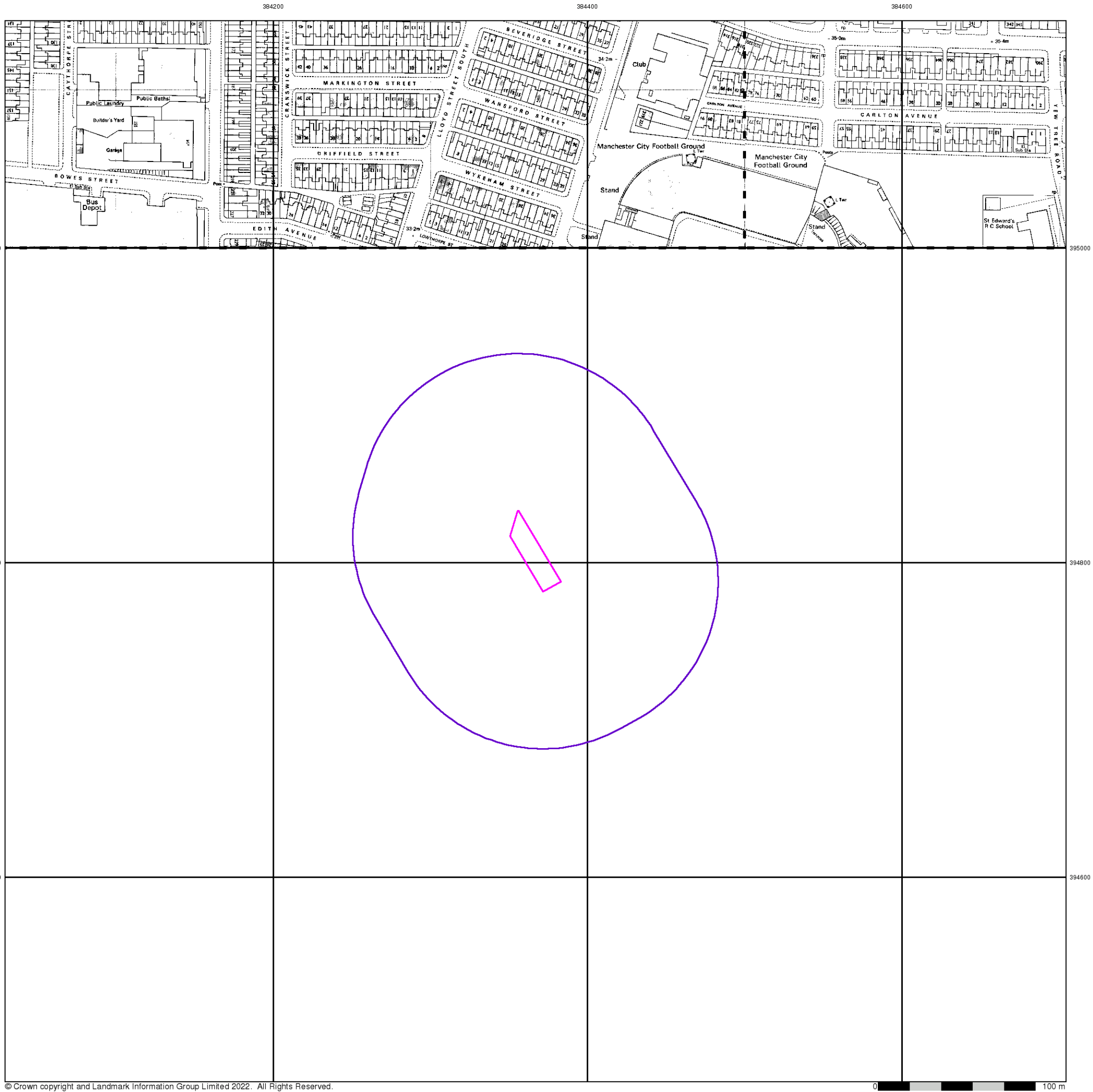


Order Details

Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1982

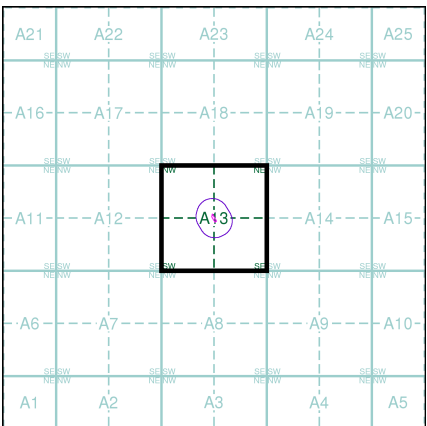
Source map scale - 1:1,250

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)

SJ8495SW	SJ8495SE
1982	1982
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

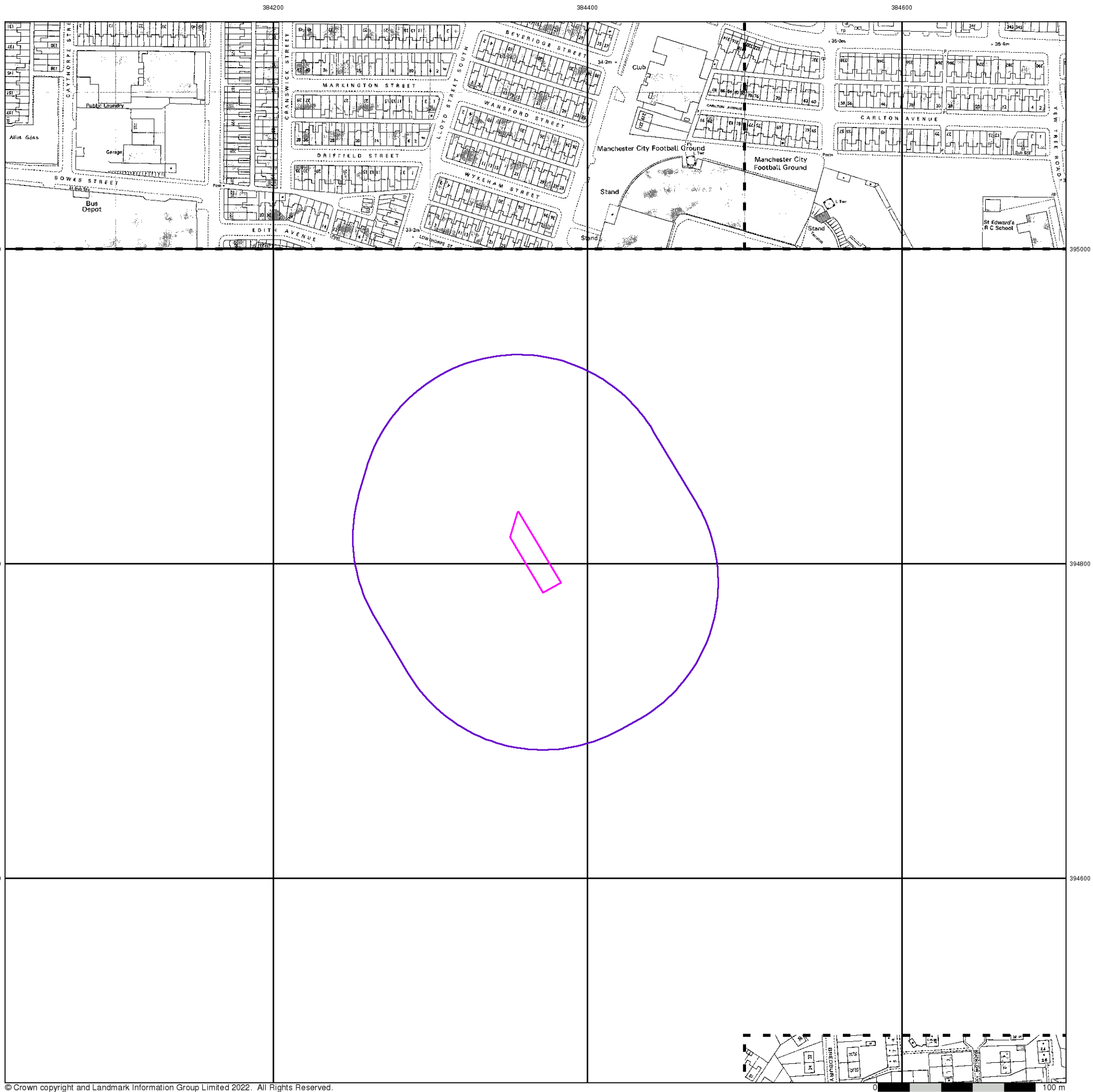
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Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 100

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Additional SIMs

Published 1982 - 1988

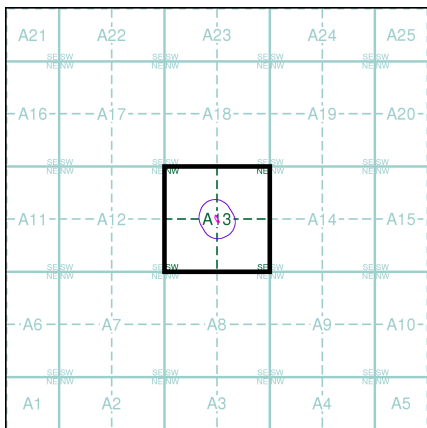
Source map scale - 1:1,250

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)

SIJ8495SW SIJ8495SE
1982 1988
1:1,250 1:1,250
SIJ8494SE
1988
1:1,250

Historical Map - Segment A13



Order Details

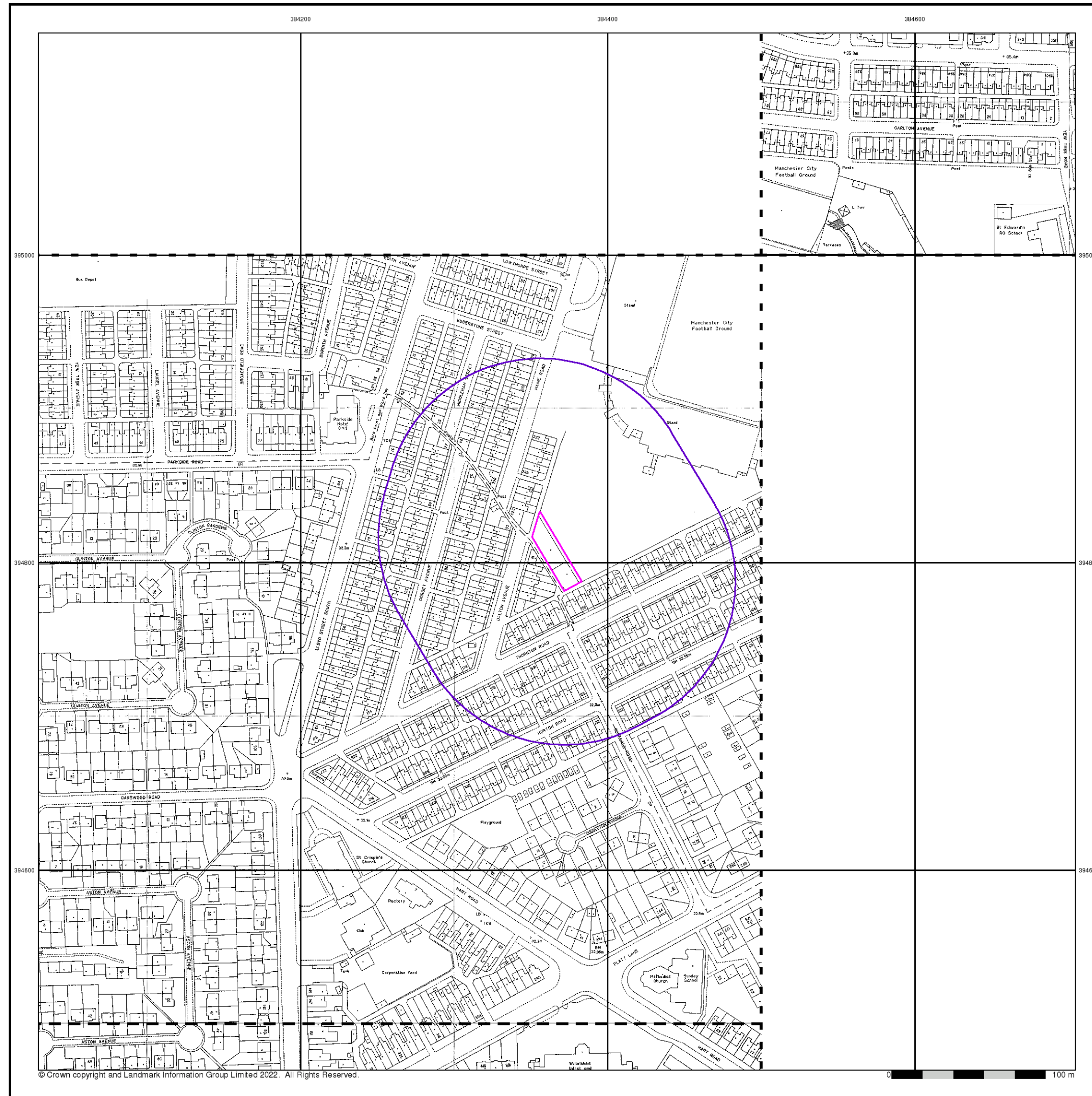
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
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Large-Scale National Grid Data

Published 1993 - 1994

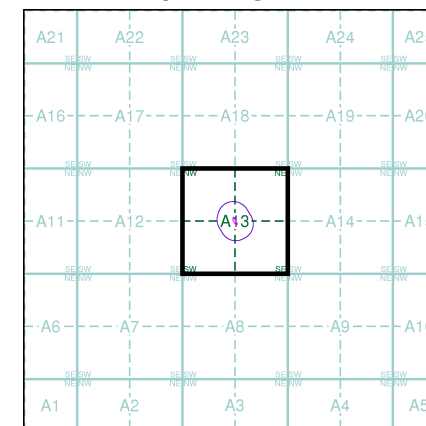
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

8J8495SE
1993
1:1,250
8J8494NW
1993
1:1,250
8J8494SW
1994
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
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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		Minor Roads		
	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				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	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
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		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
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		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
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

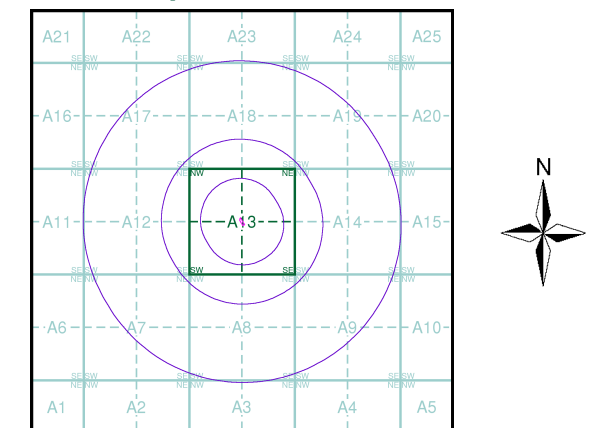
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	2
Cheshire	1:10,560	1882	3
Lancashire And Furness	1:10,560	1894 - 1896	4
Cheshire	1:10,560	1899	5
Lancashire And Furness	1:10,560	1908 - 1909	6
Cheshire	1:10,560	1911	7
Lancashire And Furness	1:10,560	1923	8
Lancashire And Furness	1:10,560	1932 - 1934	9
Lancashire And Furness	1:10,560	1938	10
Cheshire	1:10,560	1938	11
Ordnance Survey Plan	1:10,000	1955 - 1956	12
Ordnance Survey Plan	1:10,000	1965 - 1968	13
Ordnance Survey Plan	1:10,000	1972 - 1976	14
Ordnance Survey Plan	1:10,000	1980 - 1985	15
Ordnance Survey Plan	1:10,000	1985 - 1989	16
Ordnance Survey Plan	1:10,000	1989	17
Ordnance Survey Plan	1:10,000	1990 - 1994	18
10K Raster Mapping	1:10,000	1999	19
Street View	Variable		20

Historical Map - Slice A



Order Details

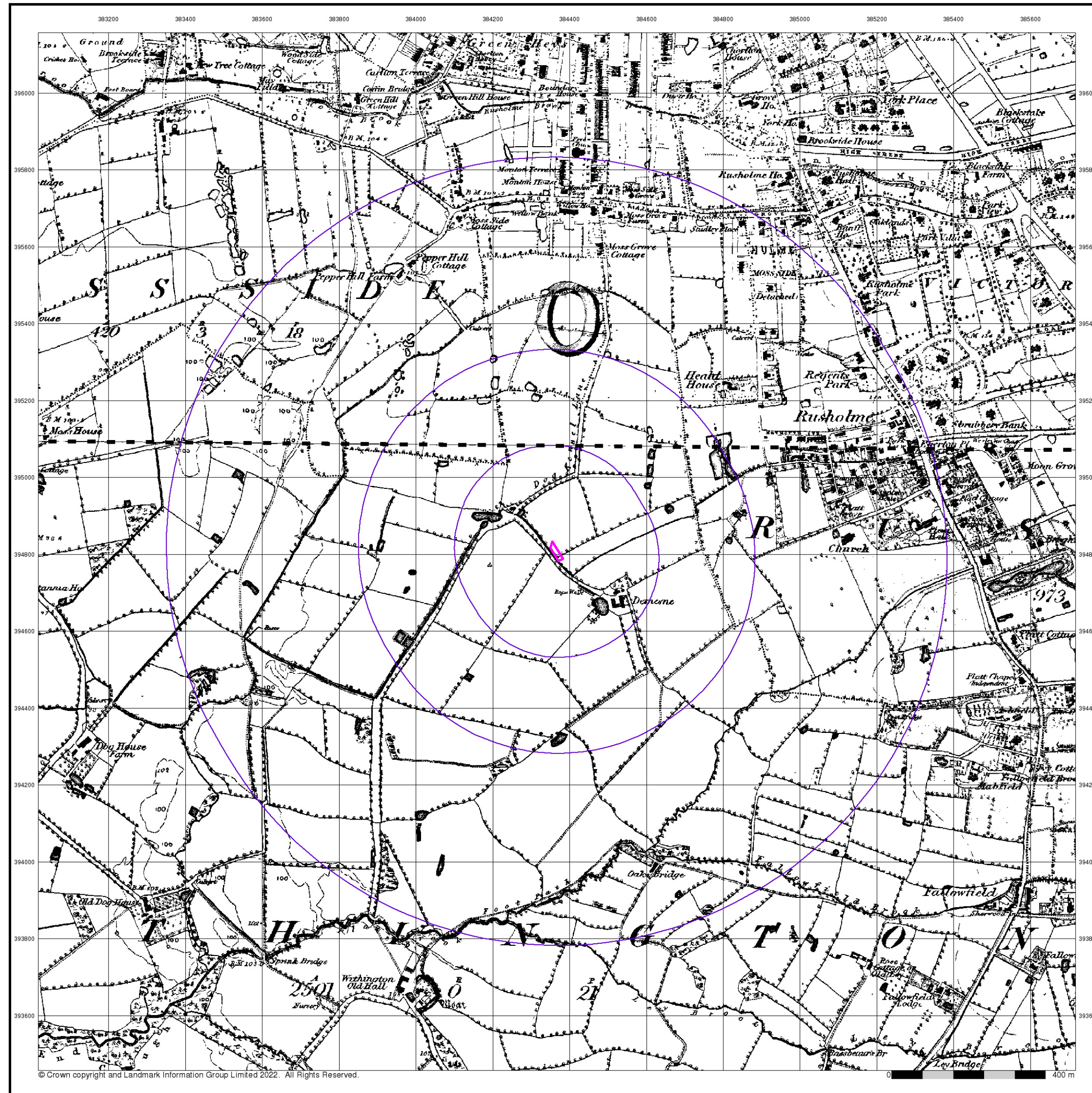
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

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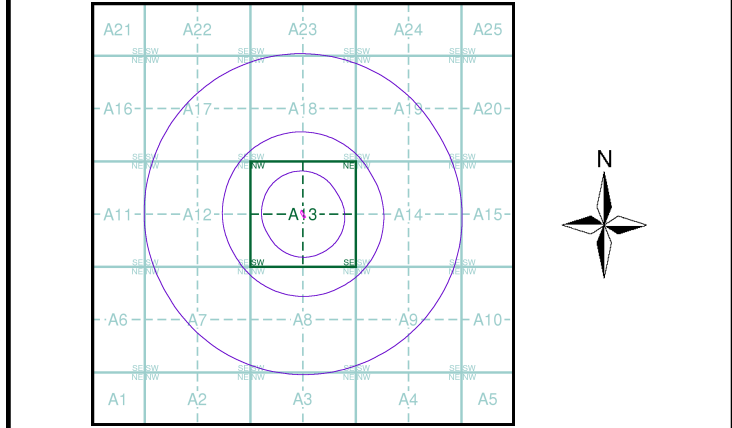
Lancashire And Furness Published 1848 Source map scale - 1:10,560

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)

10400	1848	1:10,560
11100	1848	1:10,560

Historical Map - Slice A

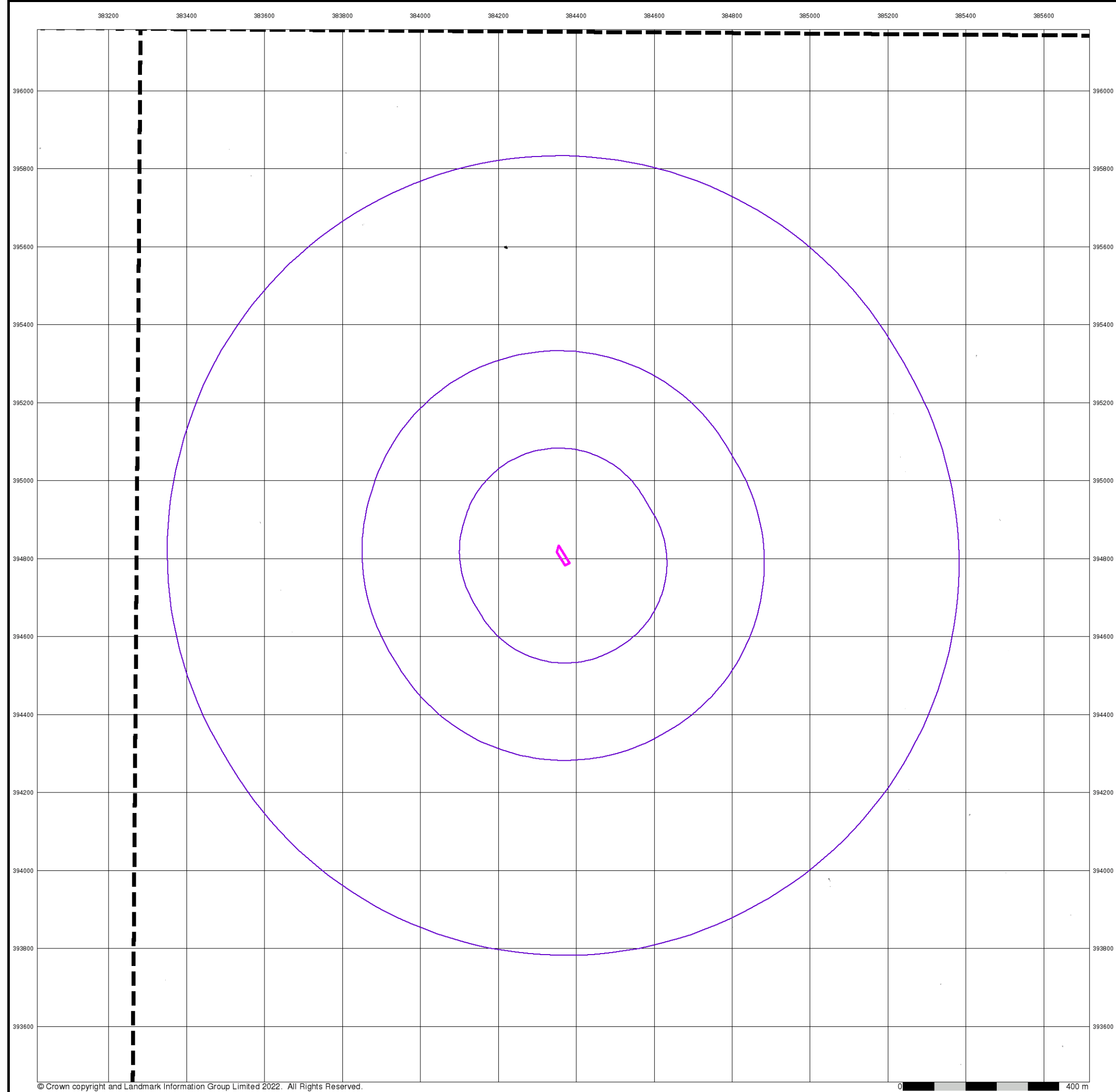


Order Number:	303932553_1_1
Customer Ref:	13509
National Grid Reference:	384370, 394810
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

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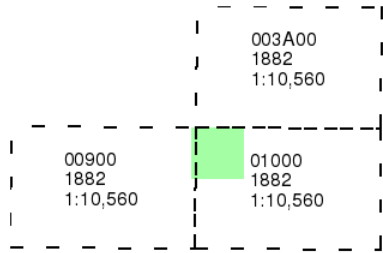
Cheshire

Published 1882

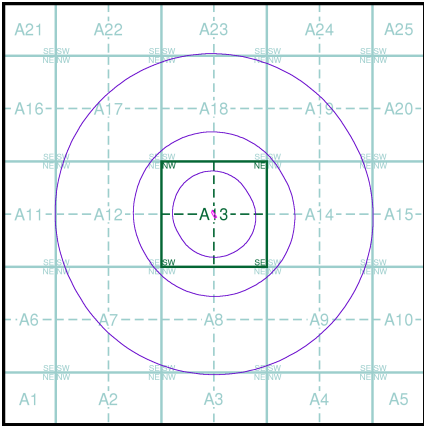
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 303932553_1_1

Customer Ref: 13509

National Grid Reference: 384370, 394810

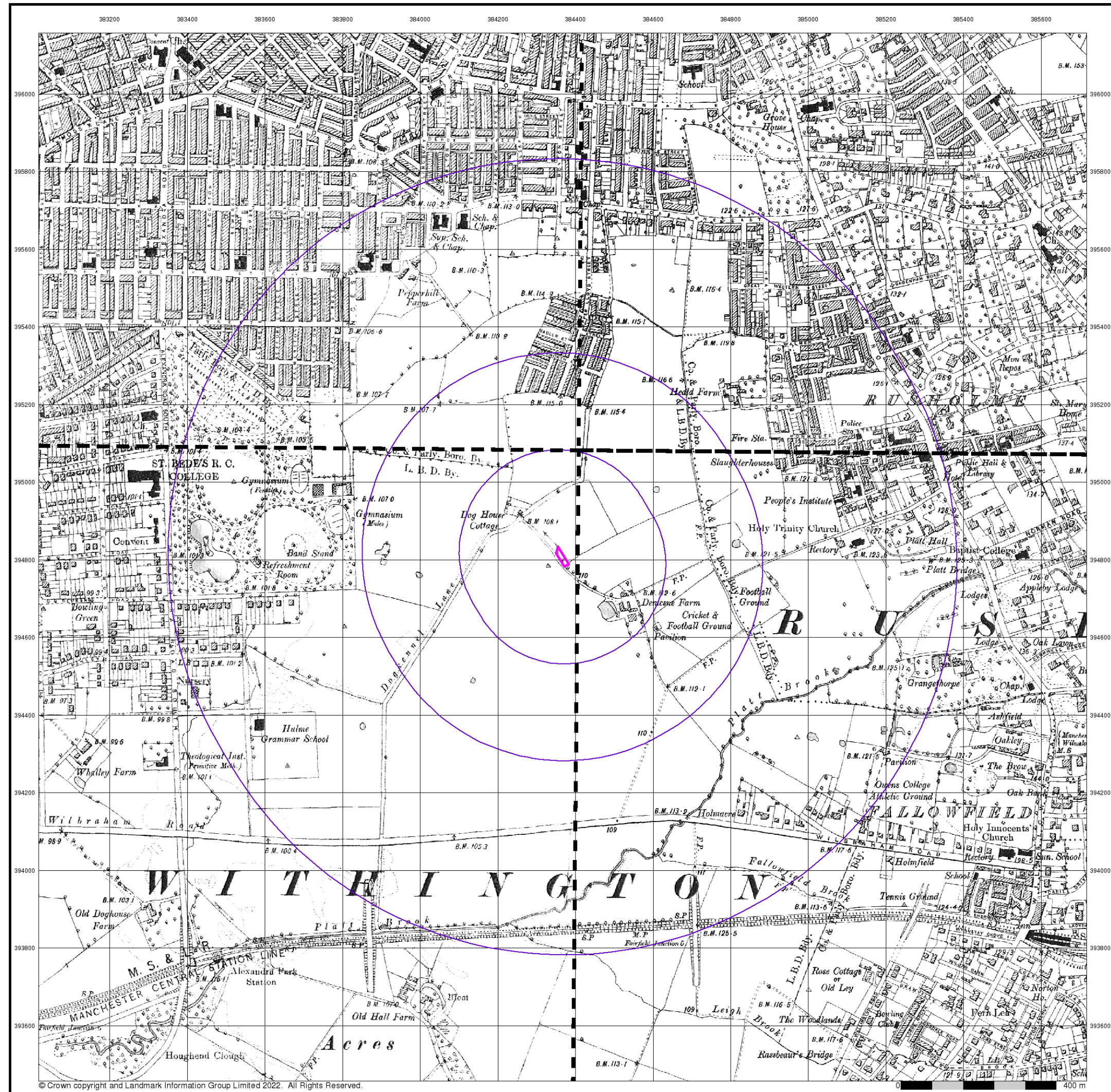
Slice: A

Site Area (Ha): 0.07

Search Buffer (m): 1000

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Lancashire And Furness

Published 1894 - 1896

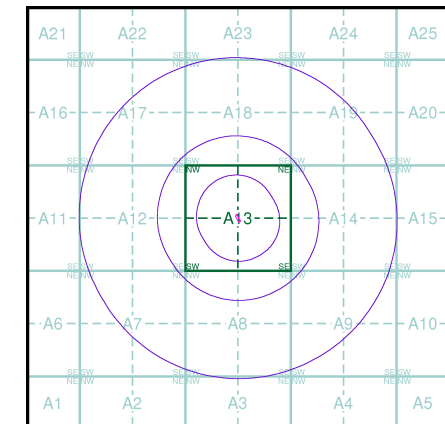
Source map scale - 1:10,560

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)

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

Historical Map - Slice A



Order Details

Order Number: 303932553_1_1
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Lancashire And Furness

Published 1908 - 1909

Source map scale - 1:10,560

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Map Name(s) and Date(s)

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

Historical Map - Slice A

Order Details

Order Number:	303932553_1_1
Customer Ref:	13509
National Grid Reference:	384370, 394810
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Site Details

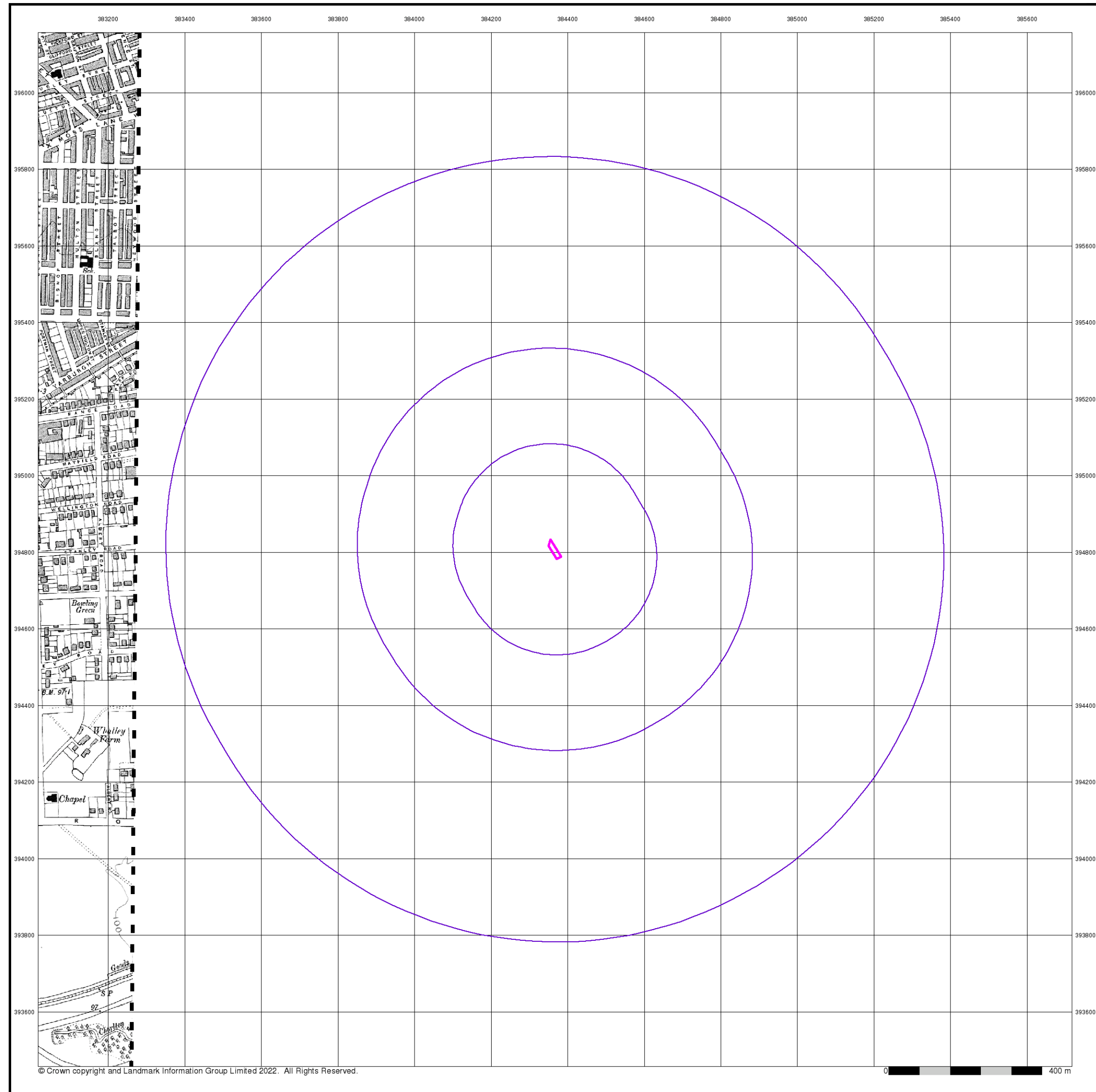
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Cheshire

Published 1911

Source map scale - 1:10,560

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Map Name(s) and Date(s)

009NE
1911
1:10,560

Historical Map - Slice A

Order Details

Order Number:	303932553_1_1
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Site Details

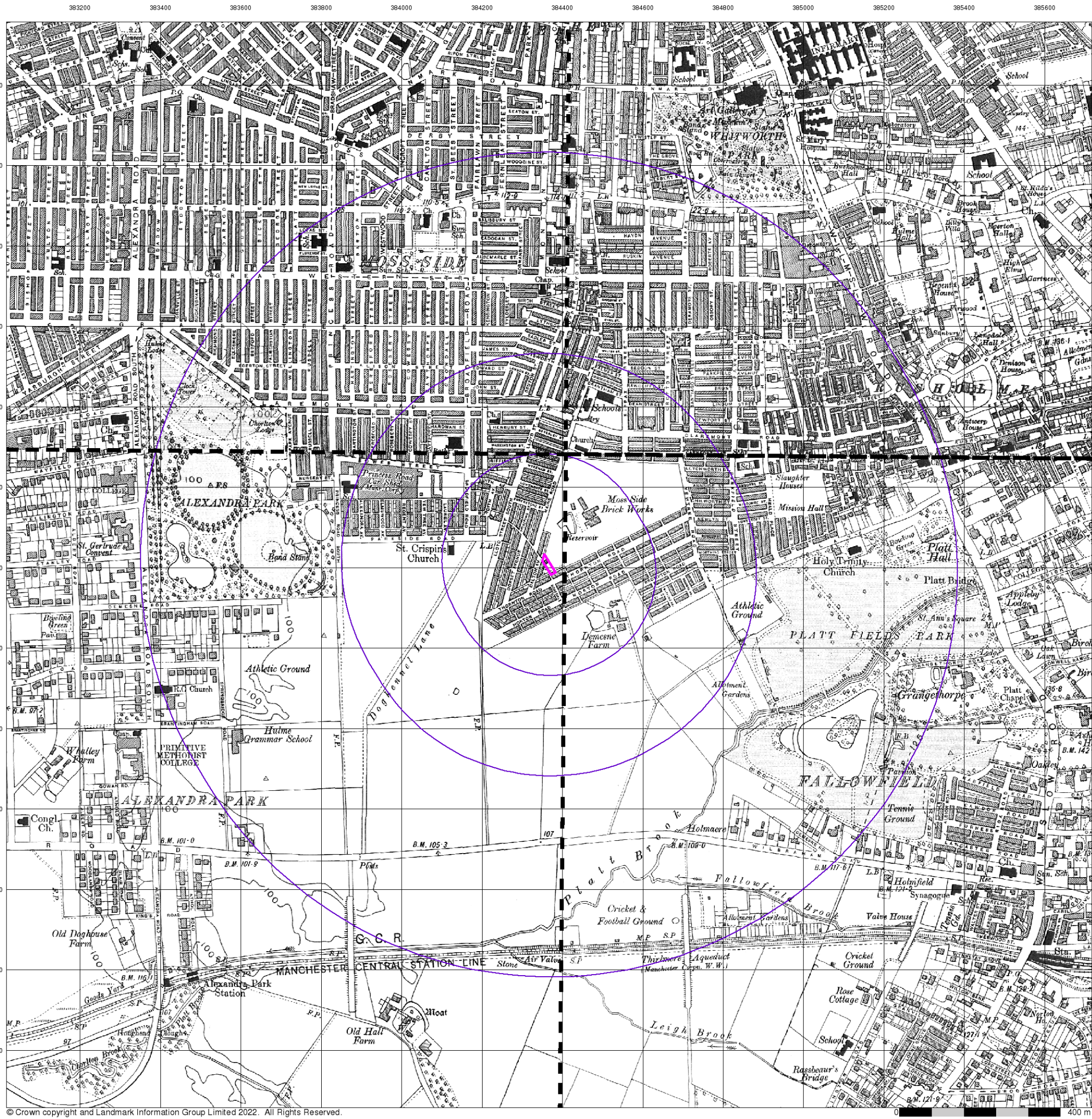
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Lancashire And Furness

Published 1923

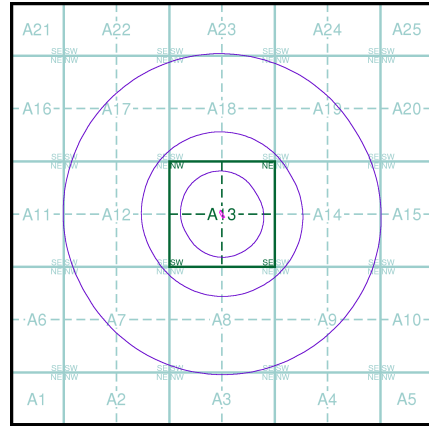
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

104SW 1923 1:10,560	104SE 1923 1:10,560
111NW 1923 1:10,560	111NE 1923 1:10,560

Historical Map - Slice A



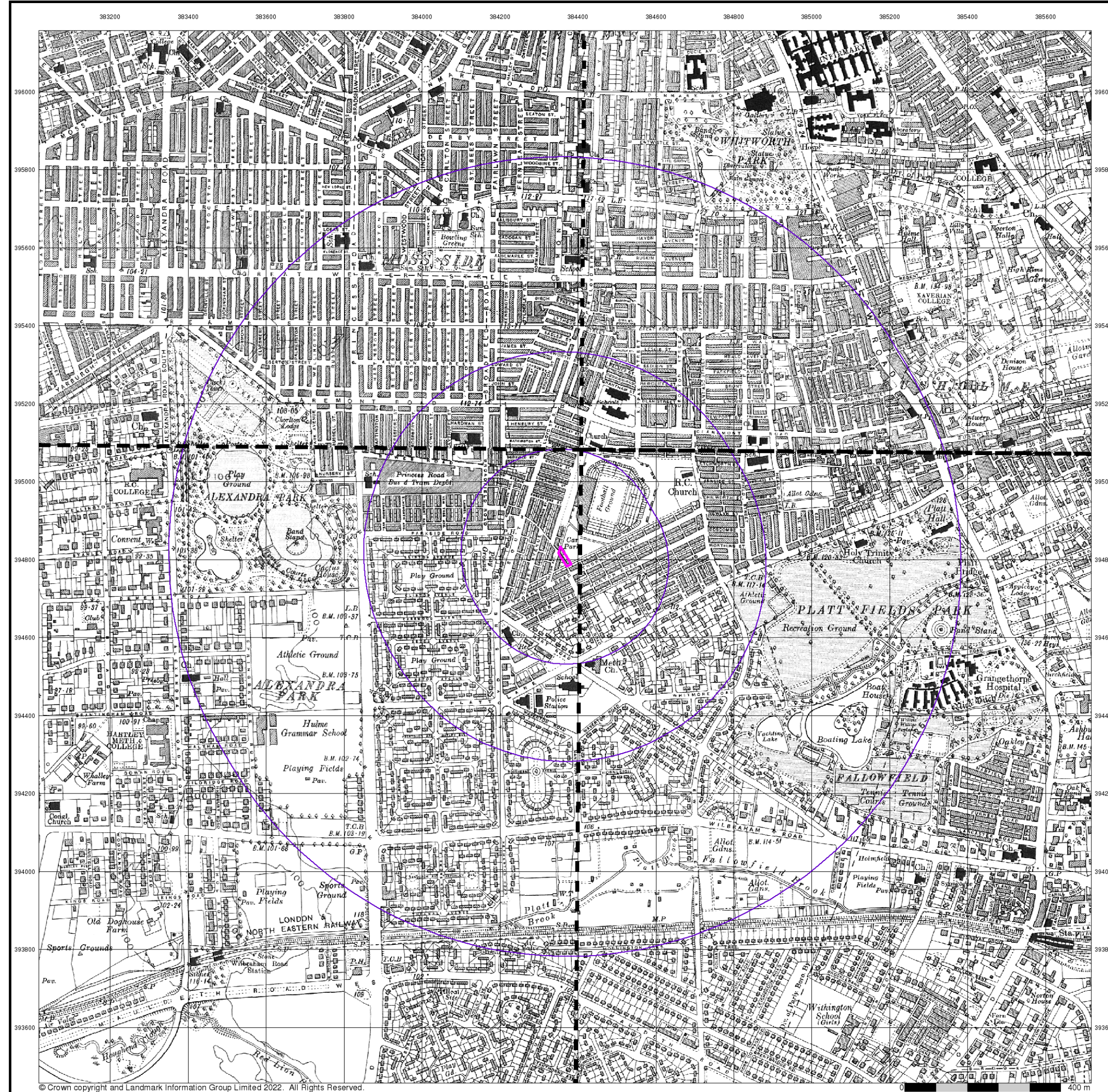
Order Details

Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

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Lancashire And Furness

Published 1932 - 1934

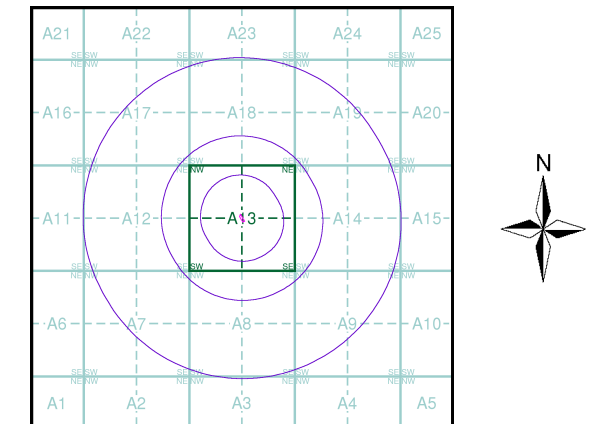
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

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

Historical Map - Slice A



Order Details

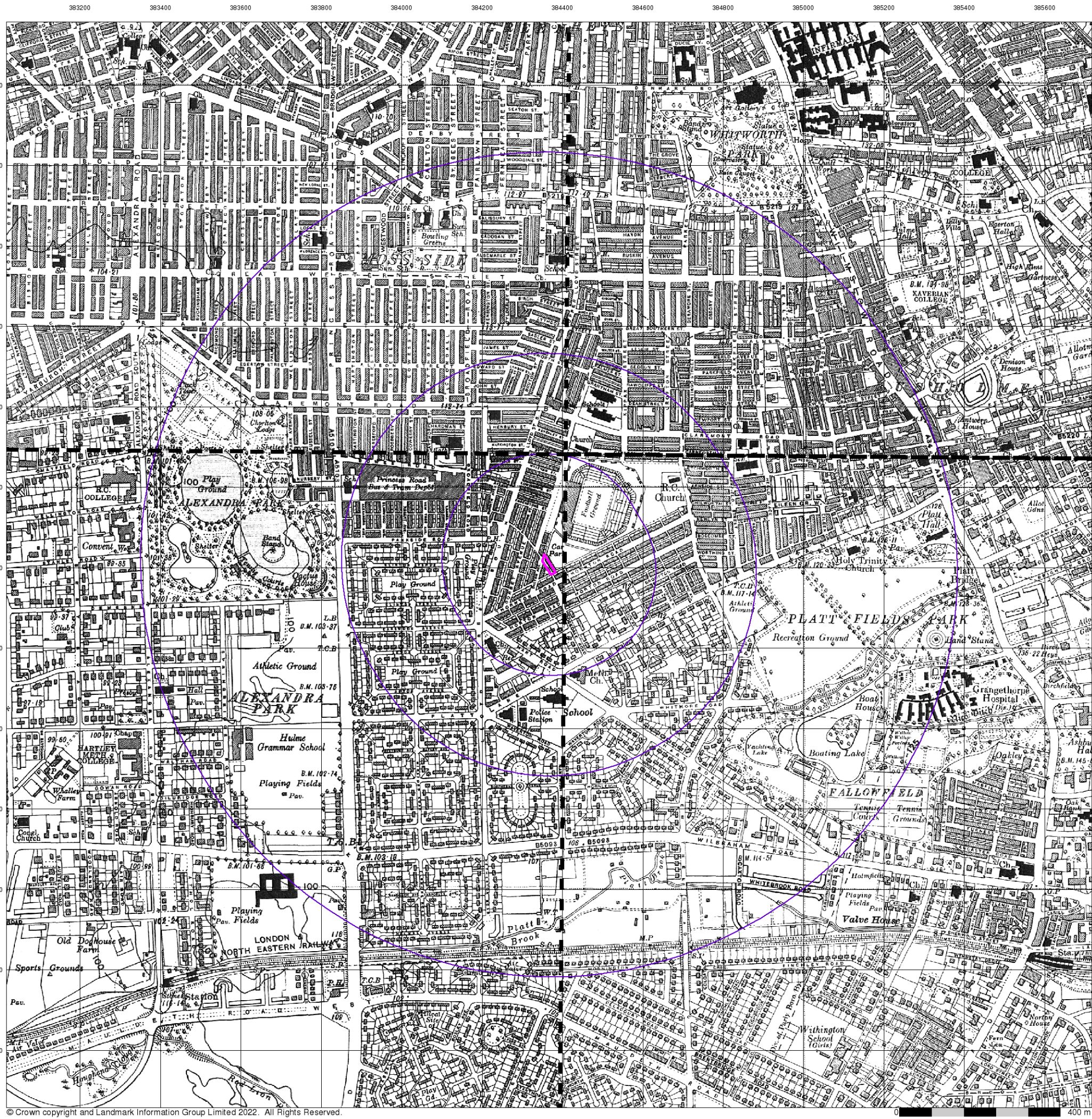
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National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

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Lancashire And Furness

Published 1938

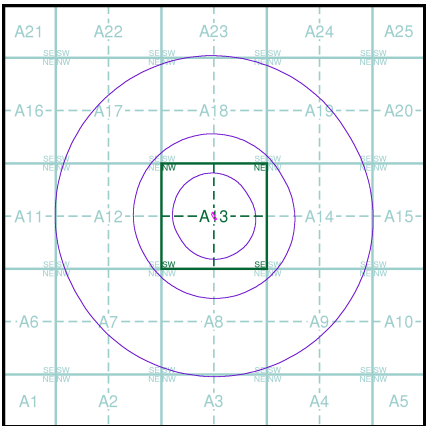
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Map Name(s) and Date(s)

104SW 1938 1:10,560	104SE 1938 1:10,560
111NW 1938 1:10,560	111NE 1938 1:10,560

Historical Map - Slice A

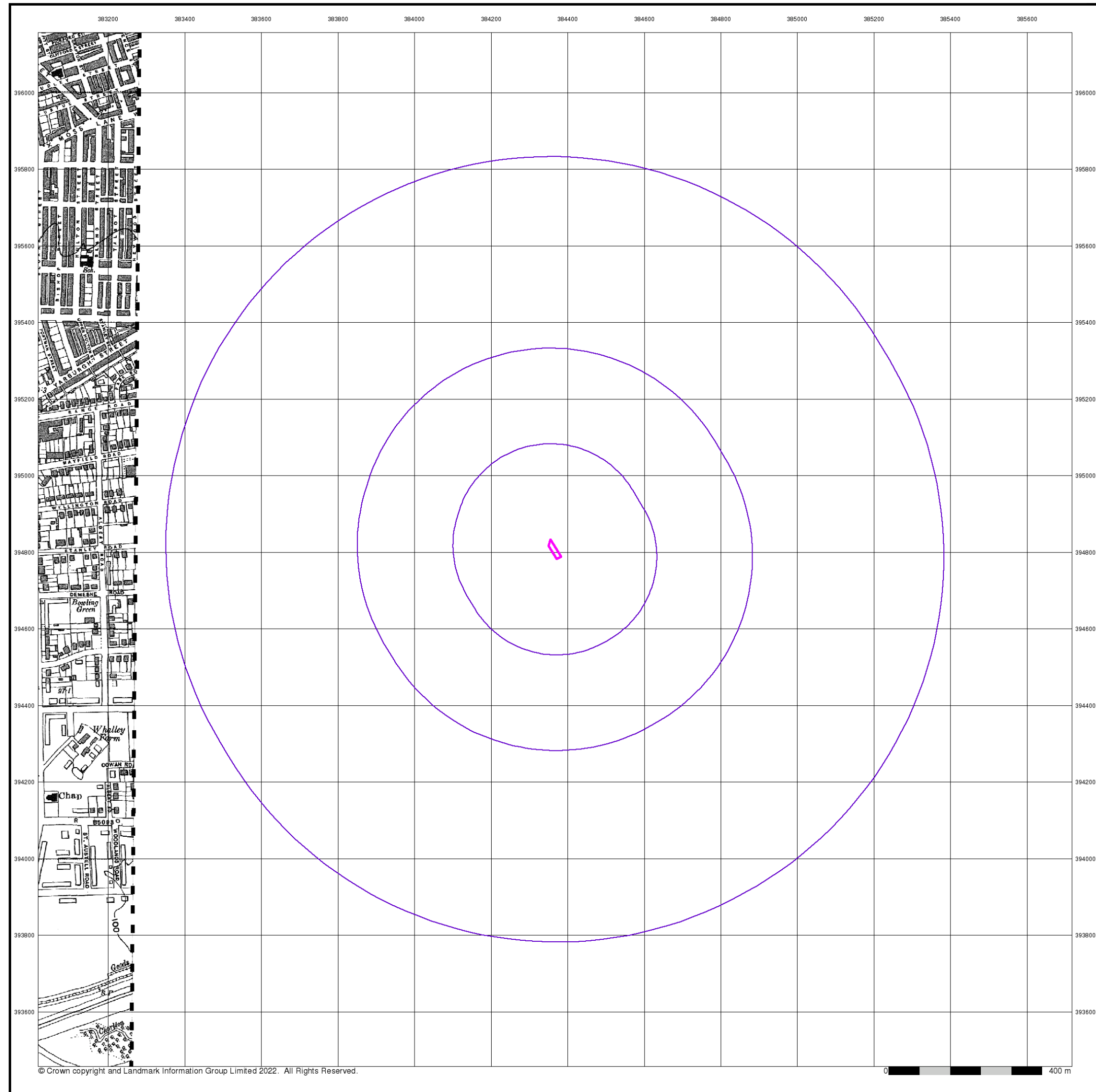


Order Details

Order Number: 303932553_1_1
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National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
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Cheshire

Published 1938

Source map scale - 1:10,560

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Map Name(s) and Date(s)

009NE
1938
1:10,560

Historical Map - Slice A

Order Details

Order Number:	303932553_1_1
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Site Details

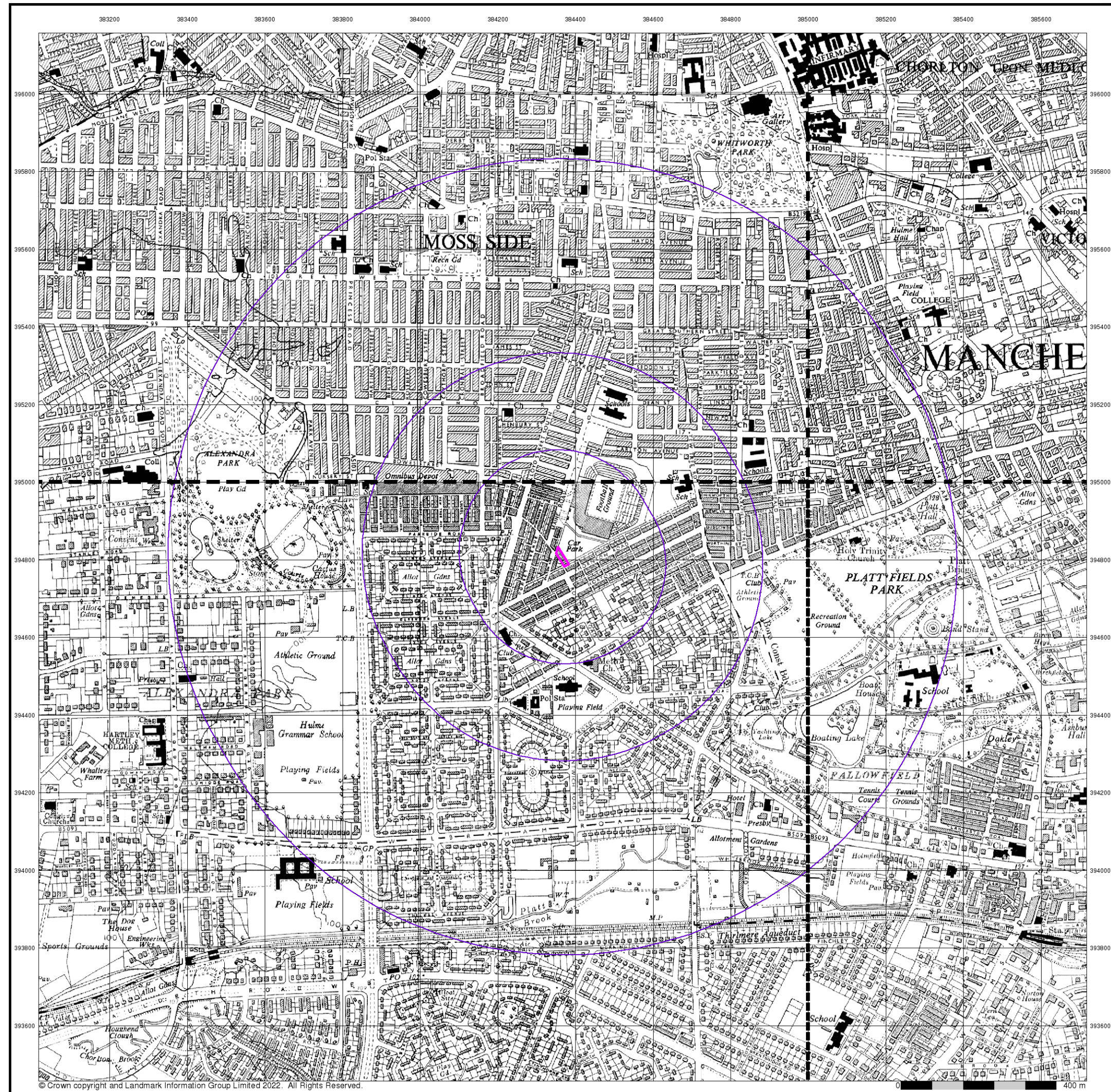
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Ordnance Survey Plan

Published 1955 - 1956

Source map scale - 1:10,000

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Map Name(s) and Date(s)

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

SJ89SW	SJ89SE
1955	1955
1:10,560	1:10,560

Historical Map - Slice A

Order Details

Order Number:	303932553_1_1
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Site Details

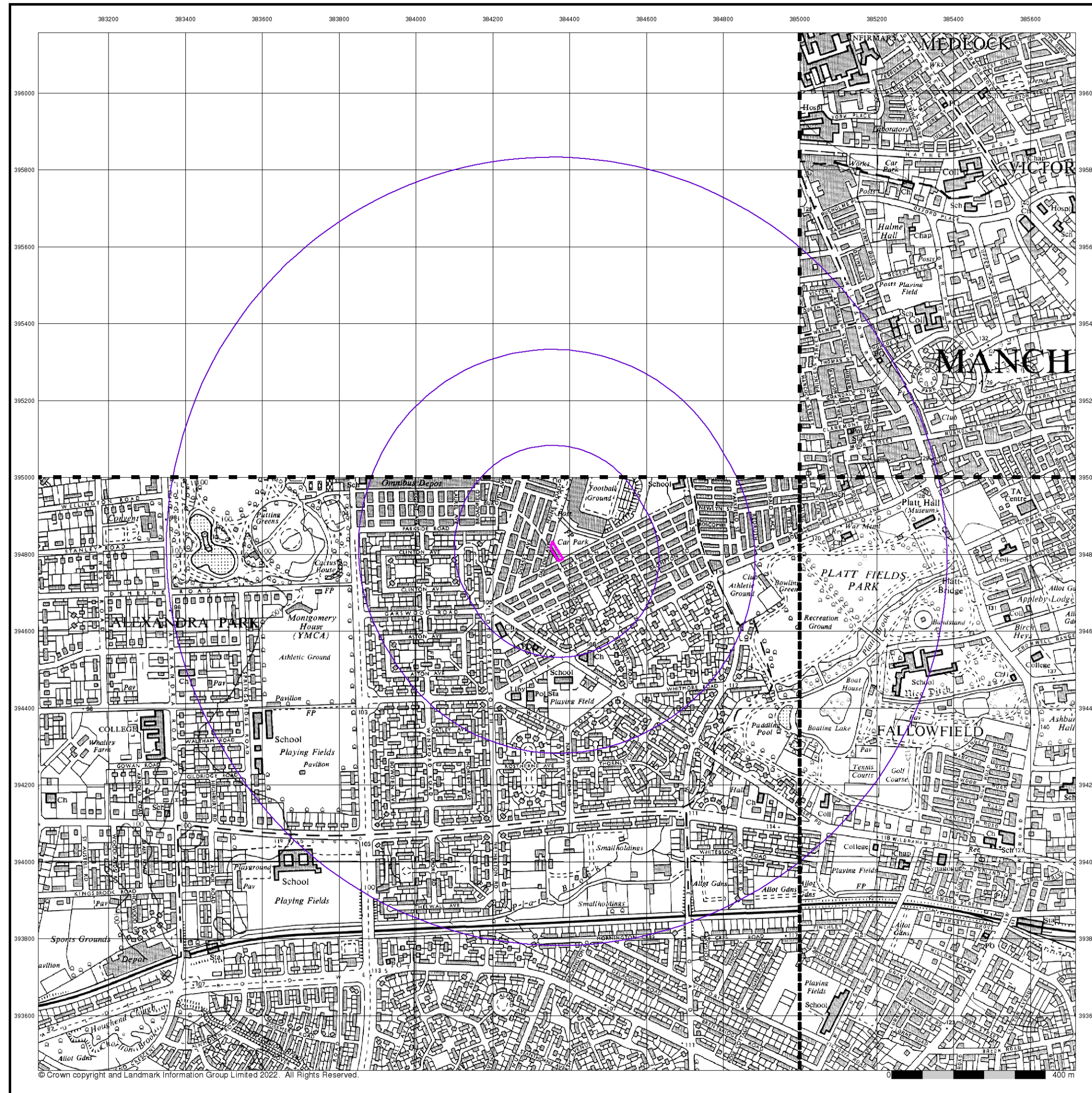
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Ordnance Survey Plan

Published 1965 - 1968

Source map scale - 1:10,000

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Map Name(s) and Date(s)

SJ89NE	1968	1:10,560
SJ89SW	1966	1:10,560
SJ89SE	1965	1:10,560

Historical Map - Slice A

Order Details

Order Number:	303932553_1_1
Customer Ref:	13509
National Grid Reference:	384370, 394810
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1972 - 1976

Source map scale - 1:10,000

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Map Name(s) and Date(s)

SJ89NW	1972	1:10,000
SJ89SE	1976	1:10,000

Historical Map - Slice A

Order Details

Order Number:	303932553_1_1
Customer Ref:	13509
National Grid Reference:	384370, 394810
Slice:	A
Site Area (Ha):	0.07
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Site Details

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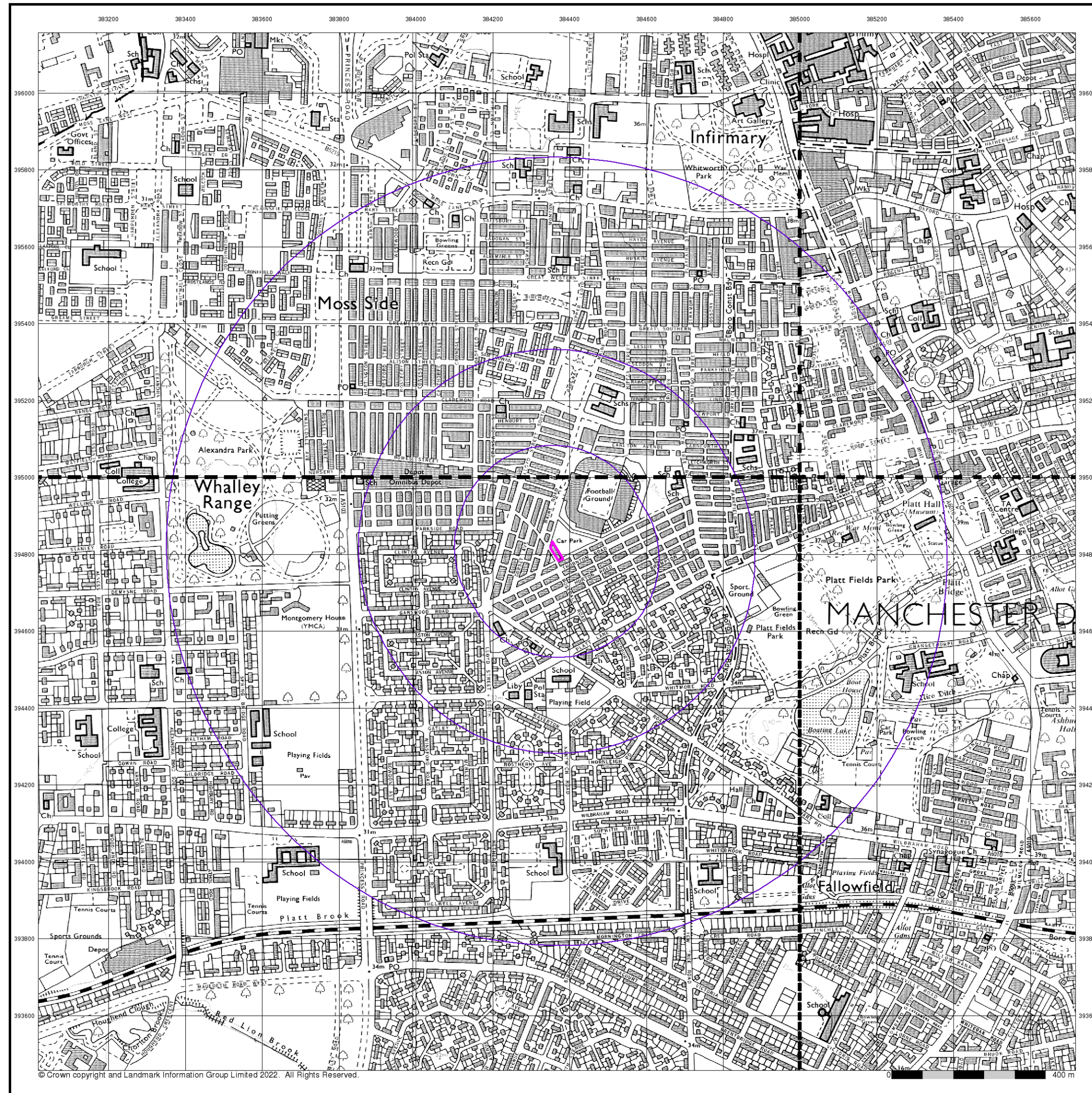
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Ordnance Survey Plan

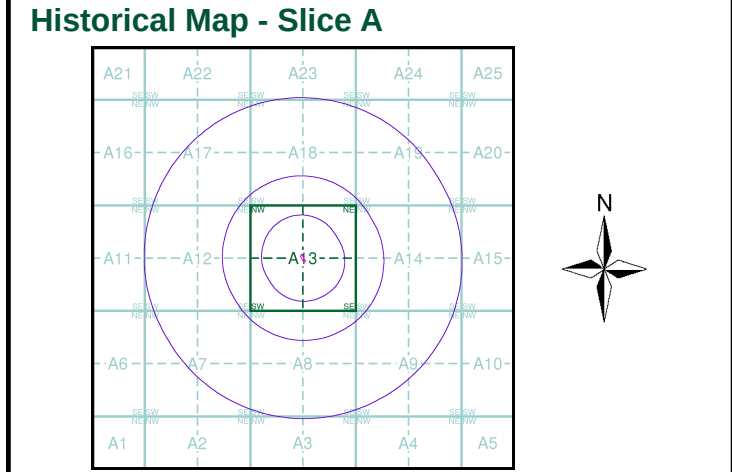
Published 1980 - 1985

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

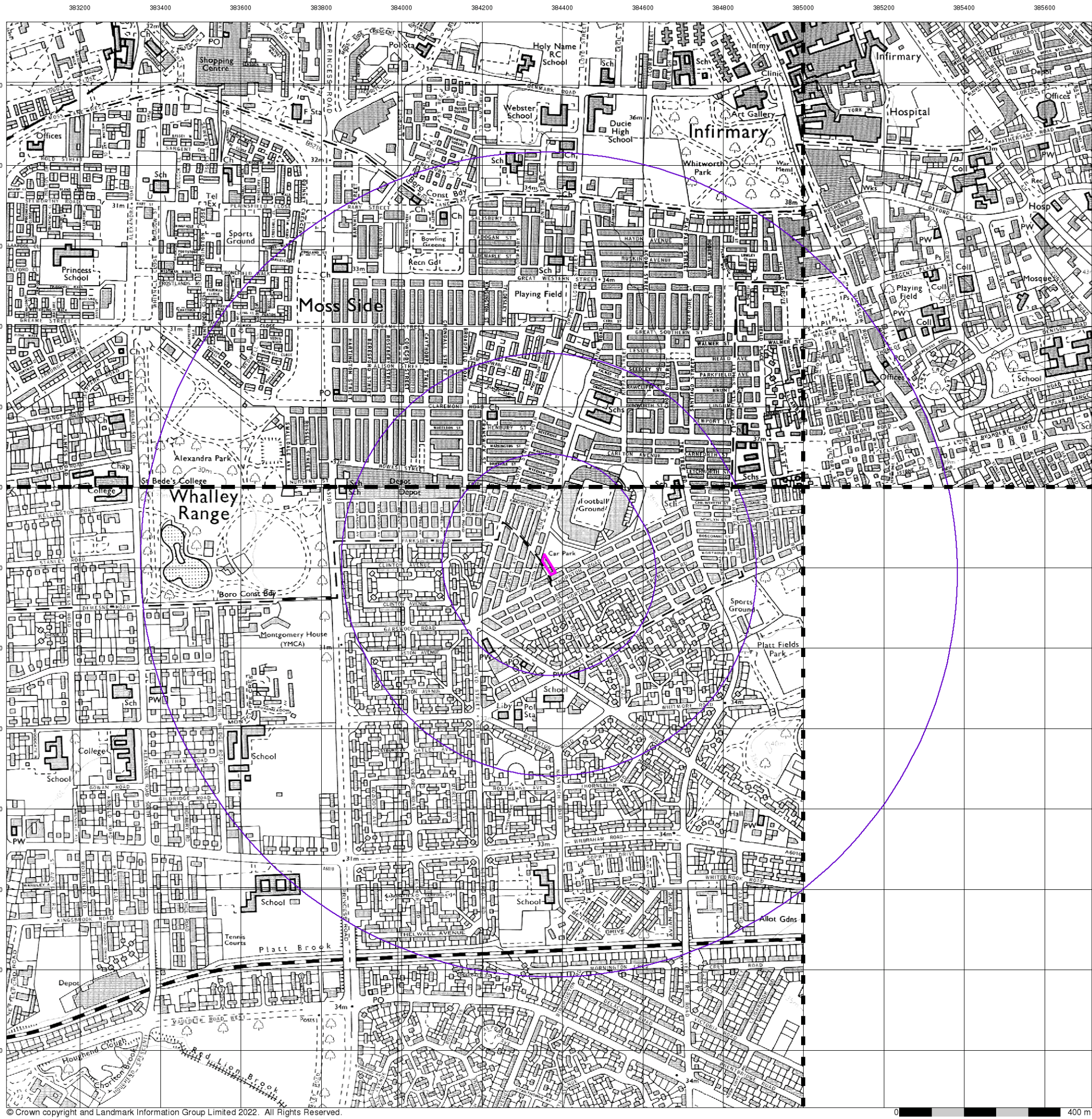
SJ89NW 1980 1:10,000	SJ89NE 1981 1:10,000
SJ89SW 1981 1:10,000	SJ89SE 1985 1:10,000



Order Details	
Order Number:	303932553_1_1
Customer Ref:	13509
National Grid Reference:	384370, 394810
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

Site Details

11, Dalton Avenue, MANCHESTER, M14 7NR



Ordnance Survey Plan

Published 1985 - 1989

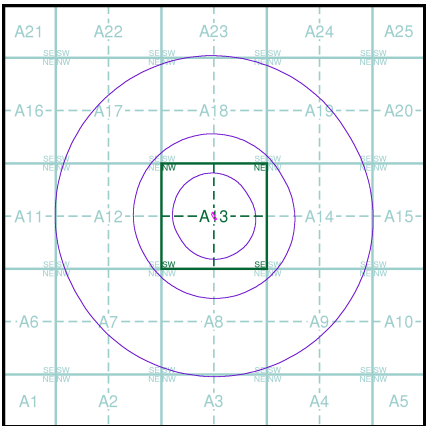
Source map scale - 1:10,000

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	SJ89NE
1985	1987
1:10,000	1:10,000
SJ89SW	
1989	
1:10,000	

Historical Map - Slice A

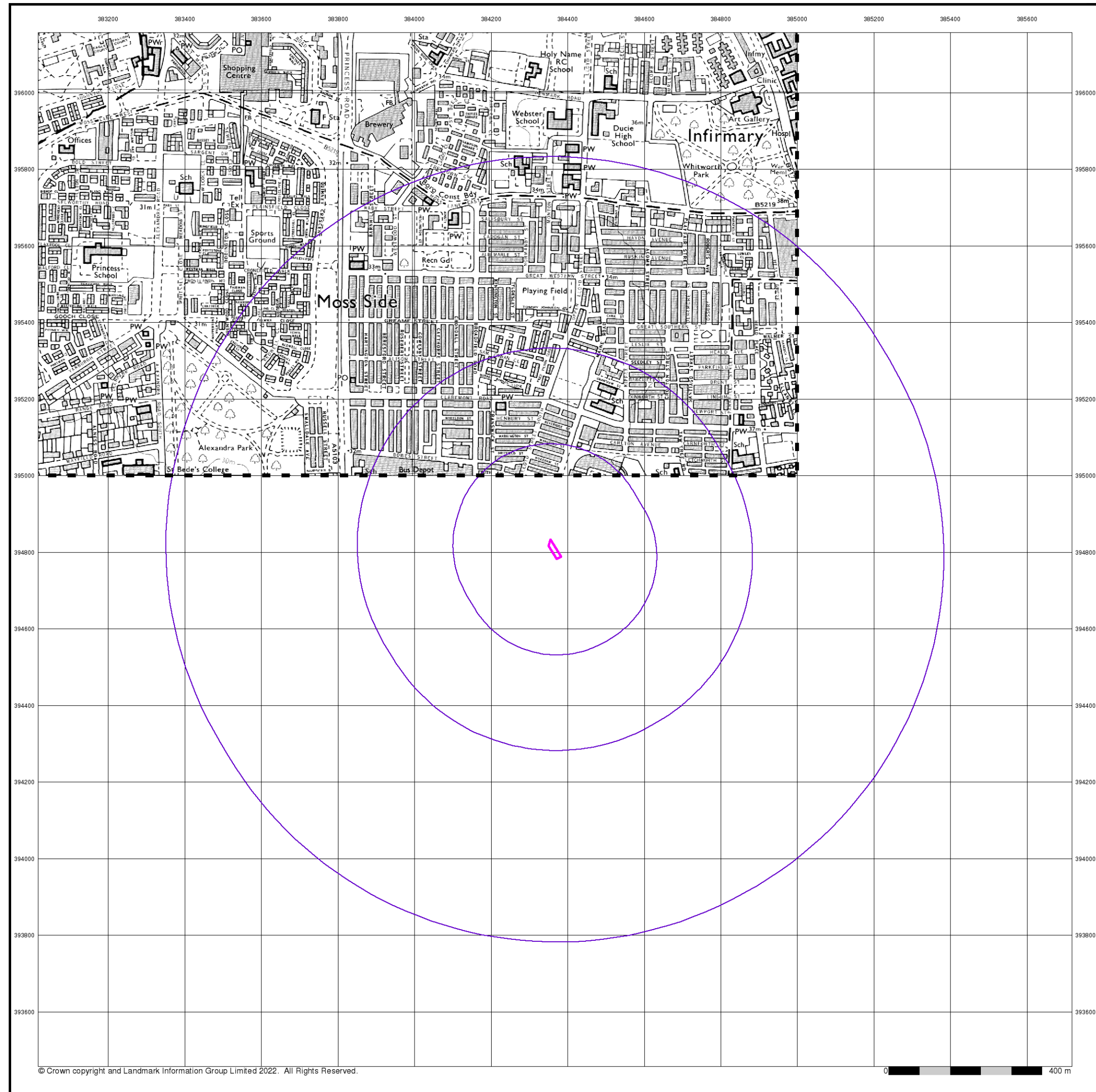


Order Details

Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
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)

SJ89NW
1989
1:10,000

Historical Map - Slice A

Order Details

Order Number:	303932553_1_1
Customer Ref:	13509
National Grid Reference:	384370, 394810
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

Site Details

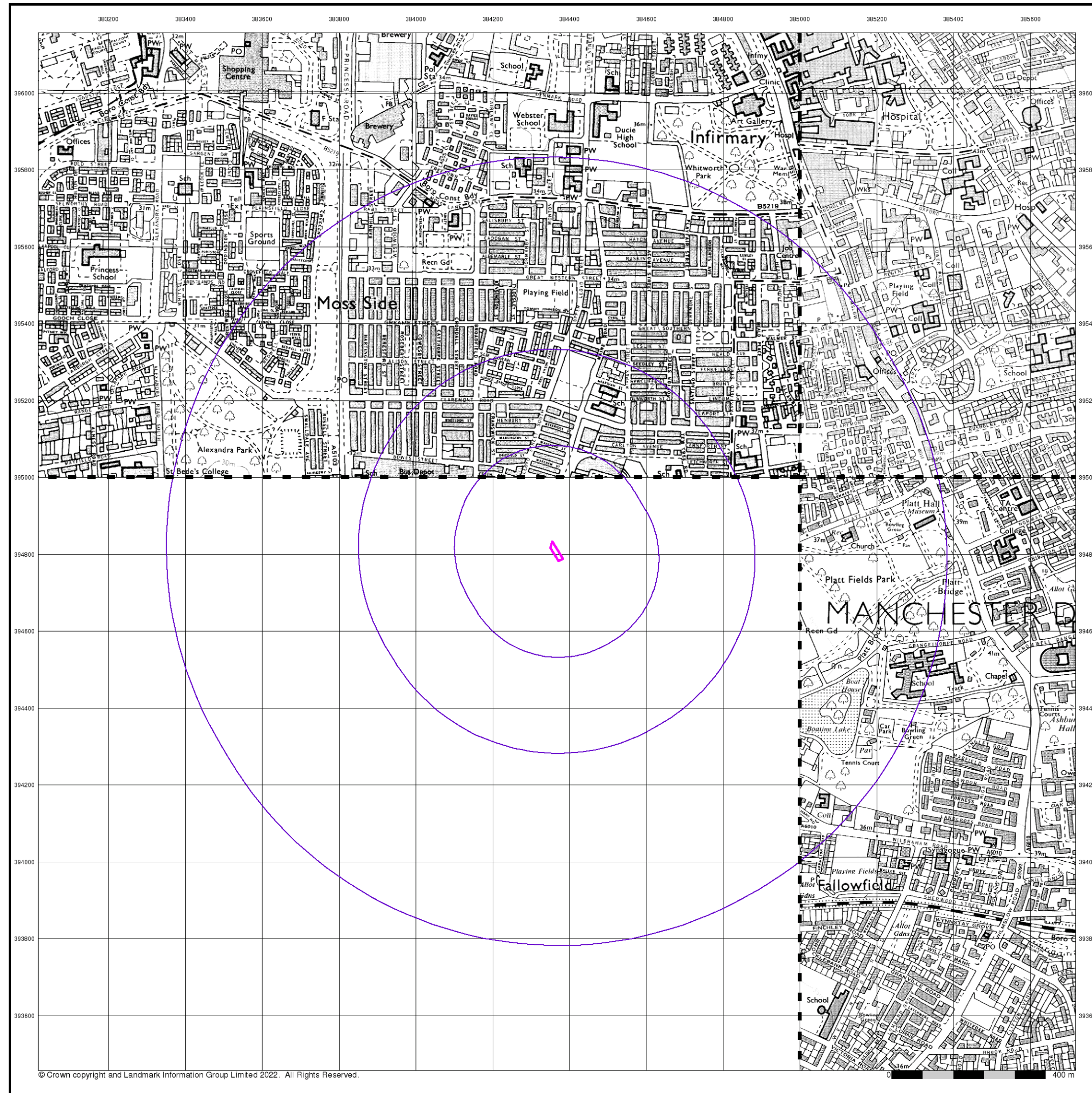
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Ordnance Survey Plan

Published 1990 - 1994

Source map scale - 1:10,000

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Map Name(s) and Date(s)

SJ89NW	SJ89NE
1994	1993
1:10,000	1:10,000

	SJ89SE
	1990
	1:10,000

Historical Map - Slice A

Order Details

Order Number:	303932553_1_1
Customer Ref:	13509
National Grid Reference:	384370, 394810
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

Site Details

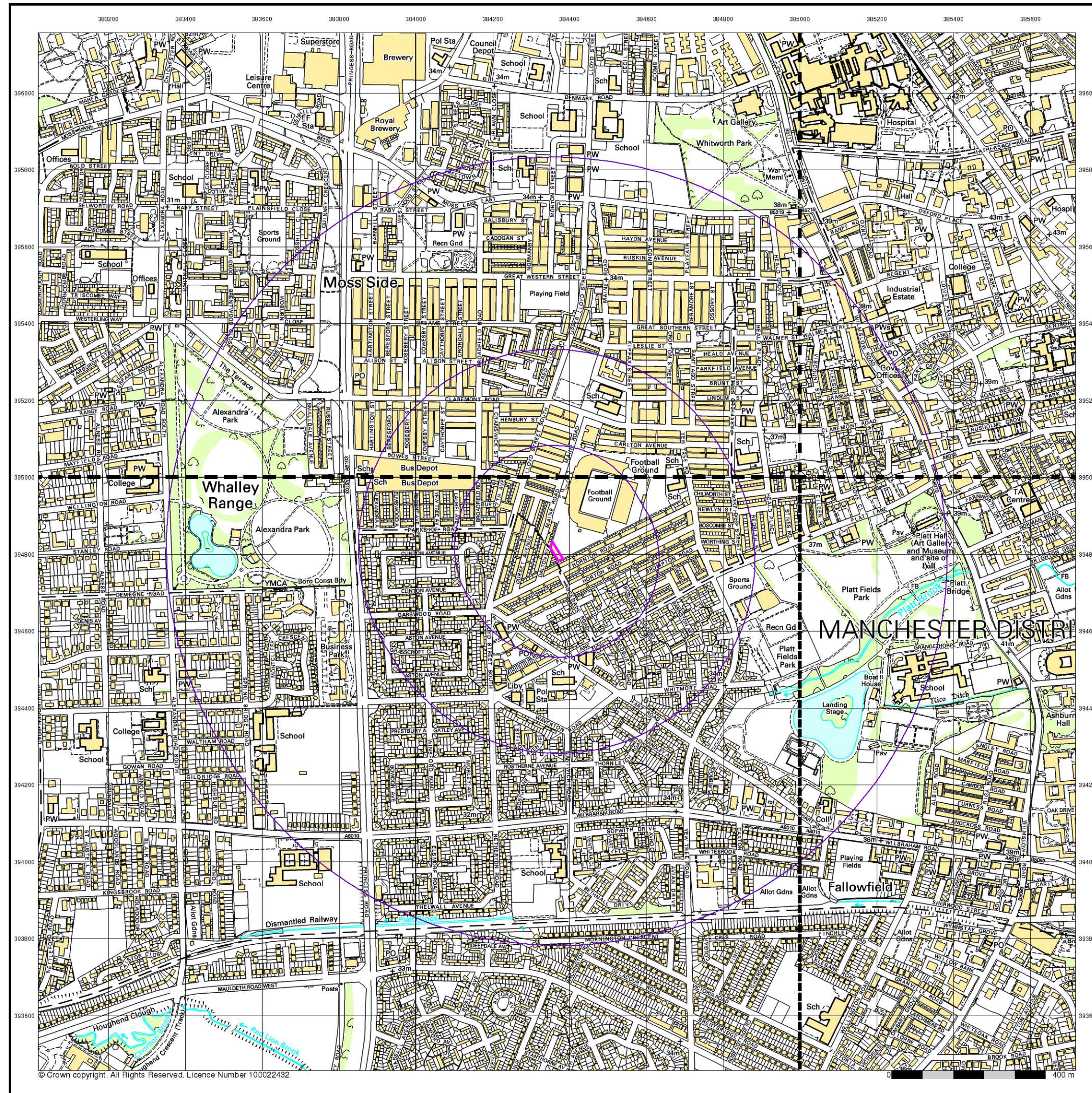
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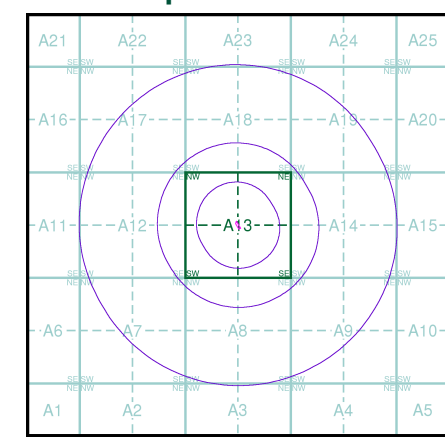
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

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

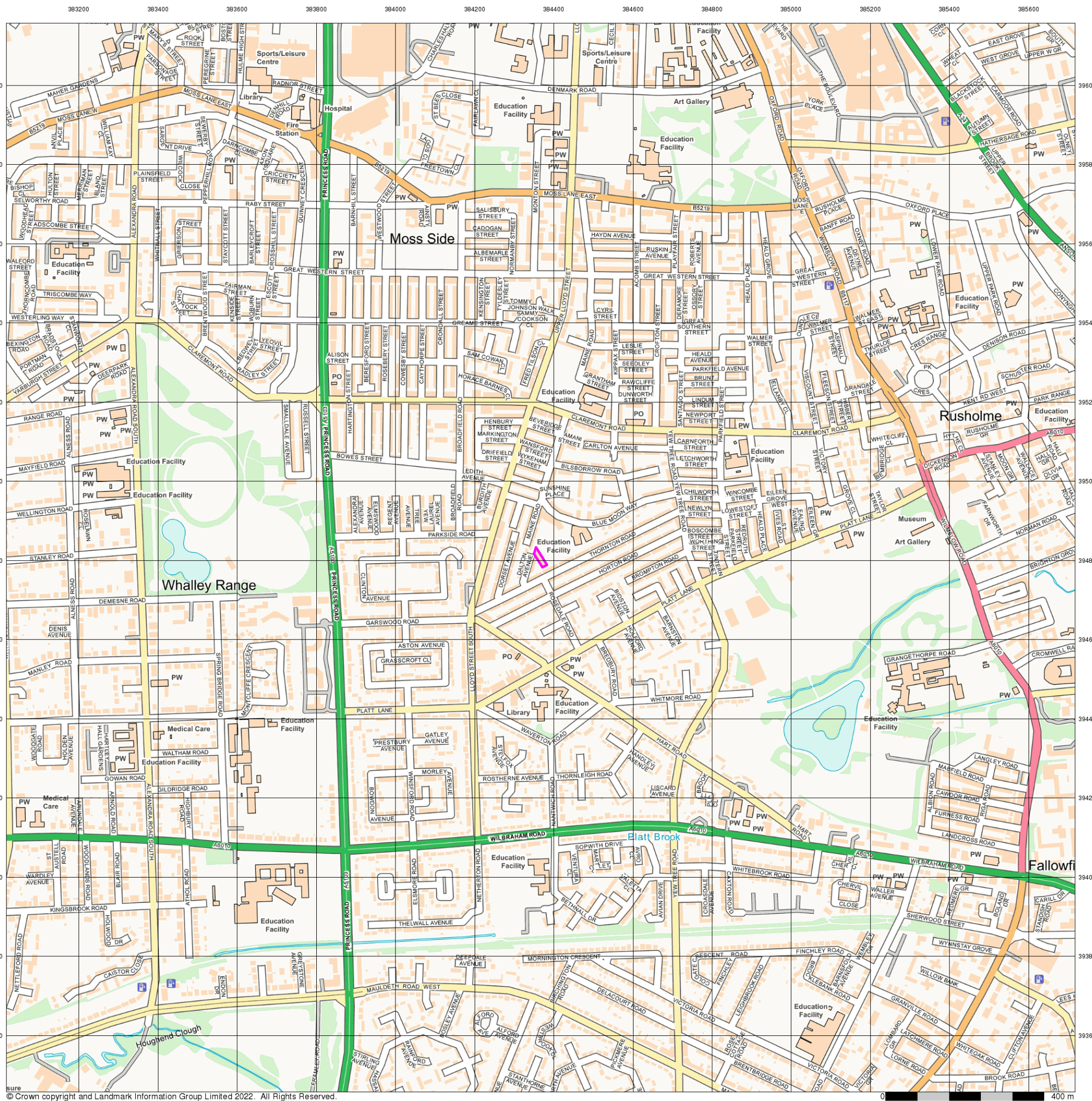
Historical Map - Slice A



Order Details
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
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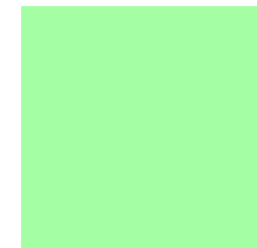
Street View

Published 2022

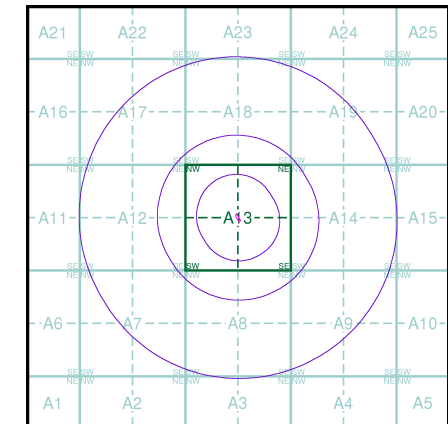
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
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Geology 1:10,000 Maps Legends

Artificial Ground and Landslip

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

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene
	TILLD	Till, Devensian	Diamicton	Devensian - Ipswichian
	GFICD	Glaciofluvial Ice Contact Deposits, Devensian	Sand and Gravel	Devensian - Ipswichian
	GFSD	GLACIOFLUVIAL SHEET DEPOSITS, DEVENSIAN	Sand and Gravel	Devensian - Ipswichian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CPB	Chester Pebble Beds Formation	Sandstone	Early Triassic - Early Triassic
	WLSF	Wilmslow Sandstone Formation	Sandstone	Early Triassic - Early Triassic
	MM	Manchester Marls Formation	Mudstone	Late Permian - Late Permian
	CS	Collyhurst Sandstone Formation	Sandstone	Cisuralian - Cisuralian
	HA	Halesowen Formation	Mudstone, Siltstone and Sandstone	Westphalian D - Westphalian D
	Fault			

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Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

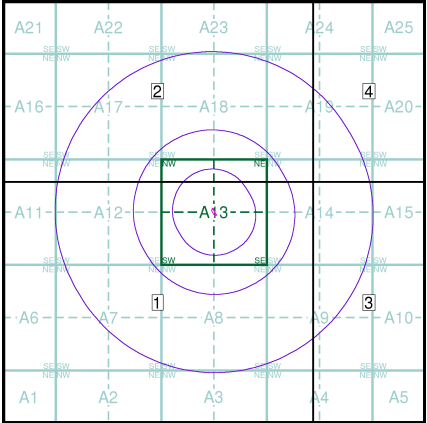
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:10,000 Maps Coverage

Map ID:	4	Map ID:	2
Map Name:	SJ89NE	Map Name:	SJ89NW
Map Date:	1976	Map Date:	1973
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Available	Faults:	Available
Landslip:	Available	Landslip:	Not Available
Rock Segments:	Available	Rock Segments:	Not Available
Map ID:	3	Map ID:	1
Map Name:	SJ89SE	Map Name:	SJ89SW
Map Date:	2008	Map Date:	2008
Bedrock Geology:	Available	Bedrock Geology:	Available
Superficial Geology:	Available	Superficial Geology:	Available
Artificial Geology:	Available	Artificial Geology:	Available
Faults:	Available	Faults:	Available
Landslip:	Not Available	Landslip:	Not Available
Rock Segments:	Not Available	Rock Segments:	Not Available

Geology 1:10,000 Maps - Slice A



Order Details

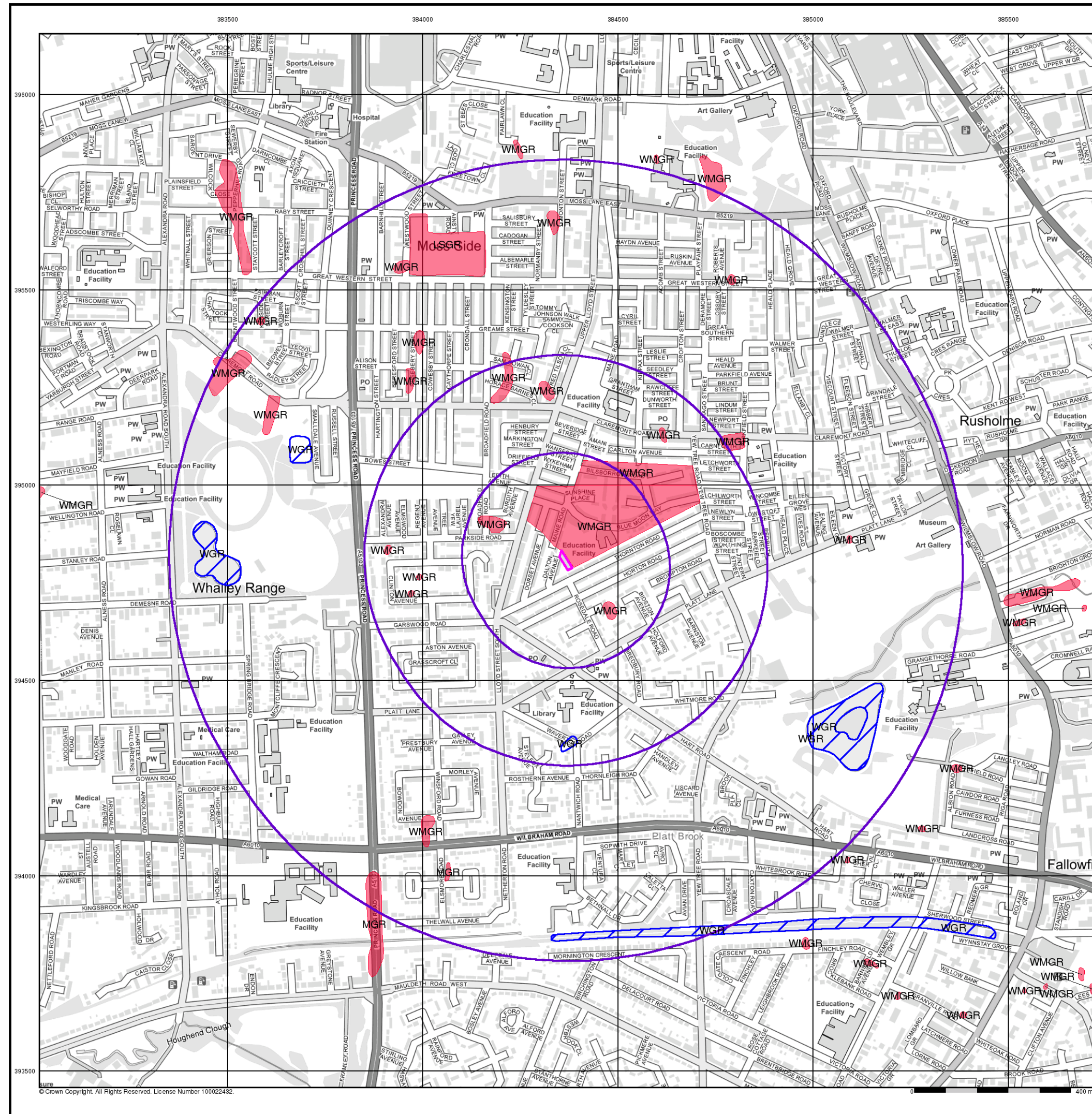
Order Number:	303932553_1_1
Customer Ref:	13509
National Grid Reference:	384370, 394810
Slice:	A
Site Area (Ha):	0.07
Search Buffer (m):	1000

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Artificial Ground and Landslip

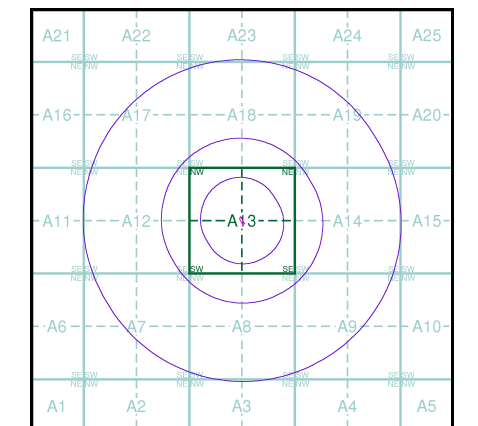
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial Ground and Landslip Map - Slice A



Order Details

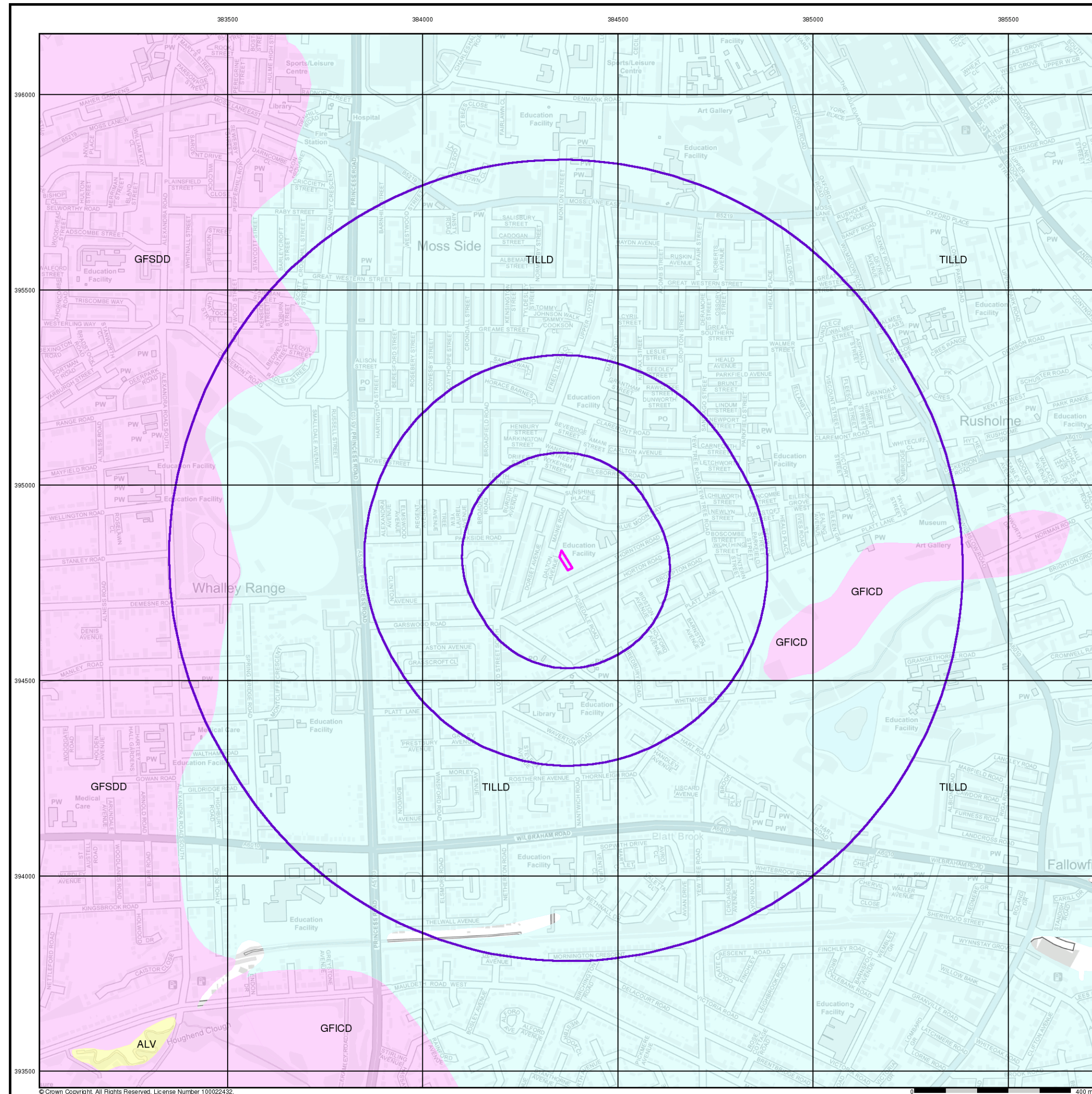
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
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0 400m

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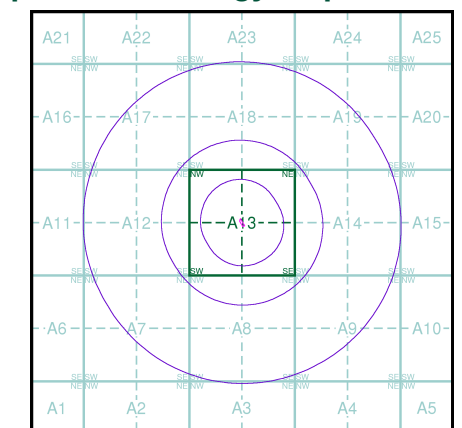
Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, which extends back about 1.8 million years from the present.

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

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

Superficial Geology Map - Slice A



Order Details

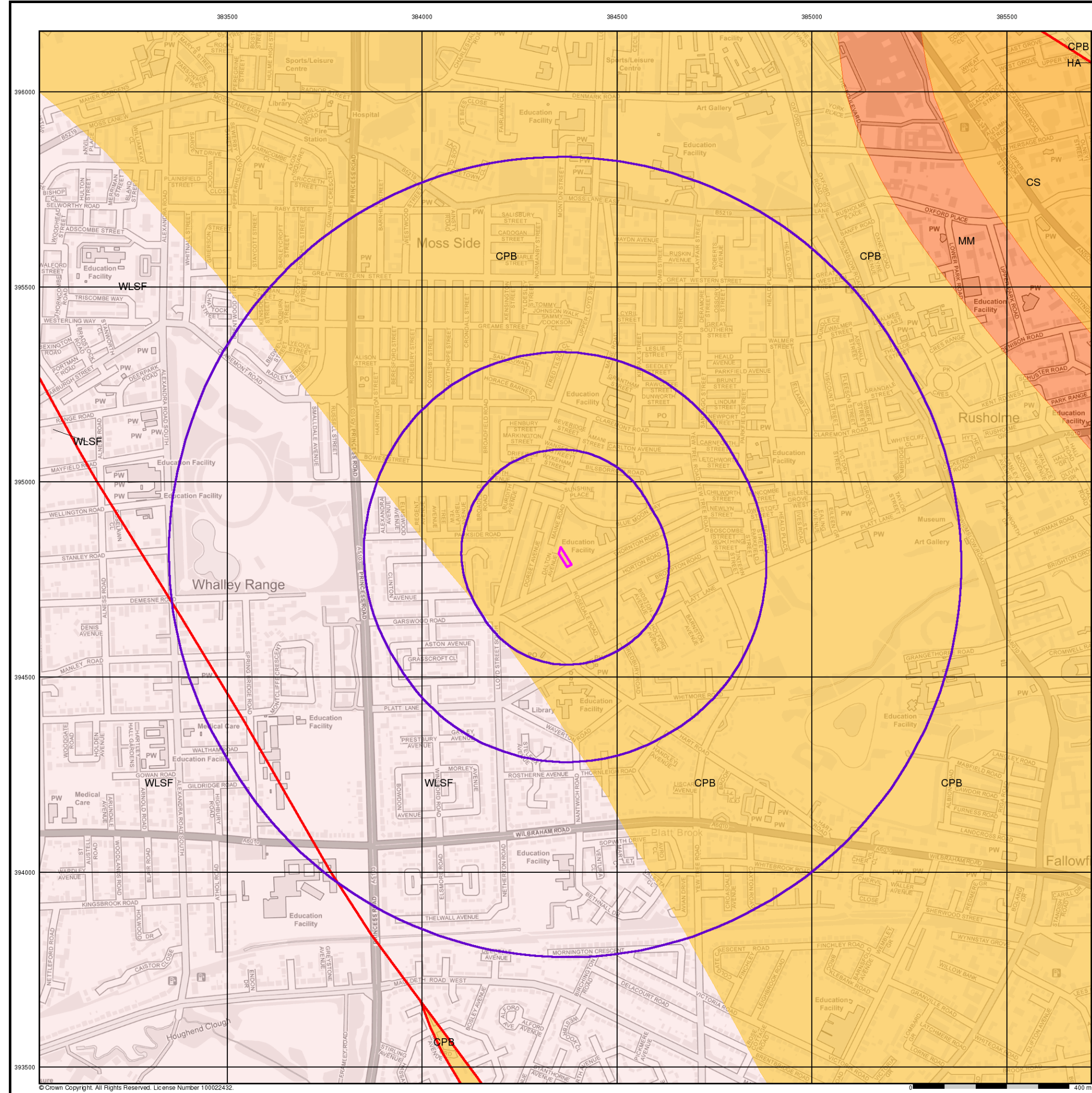
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National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

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Bedrock and Faults

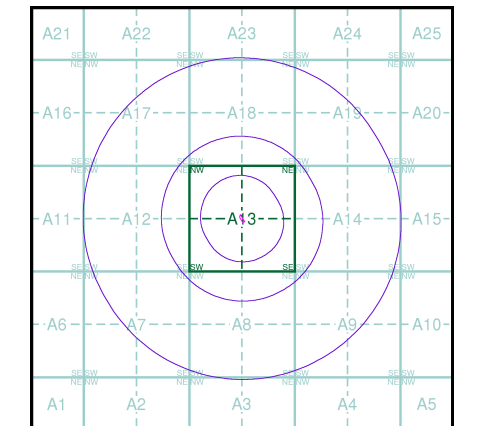
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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 and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

Bedrock and Faults Map - Slice A



Order Details

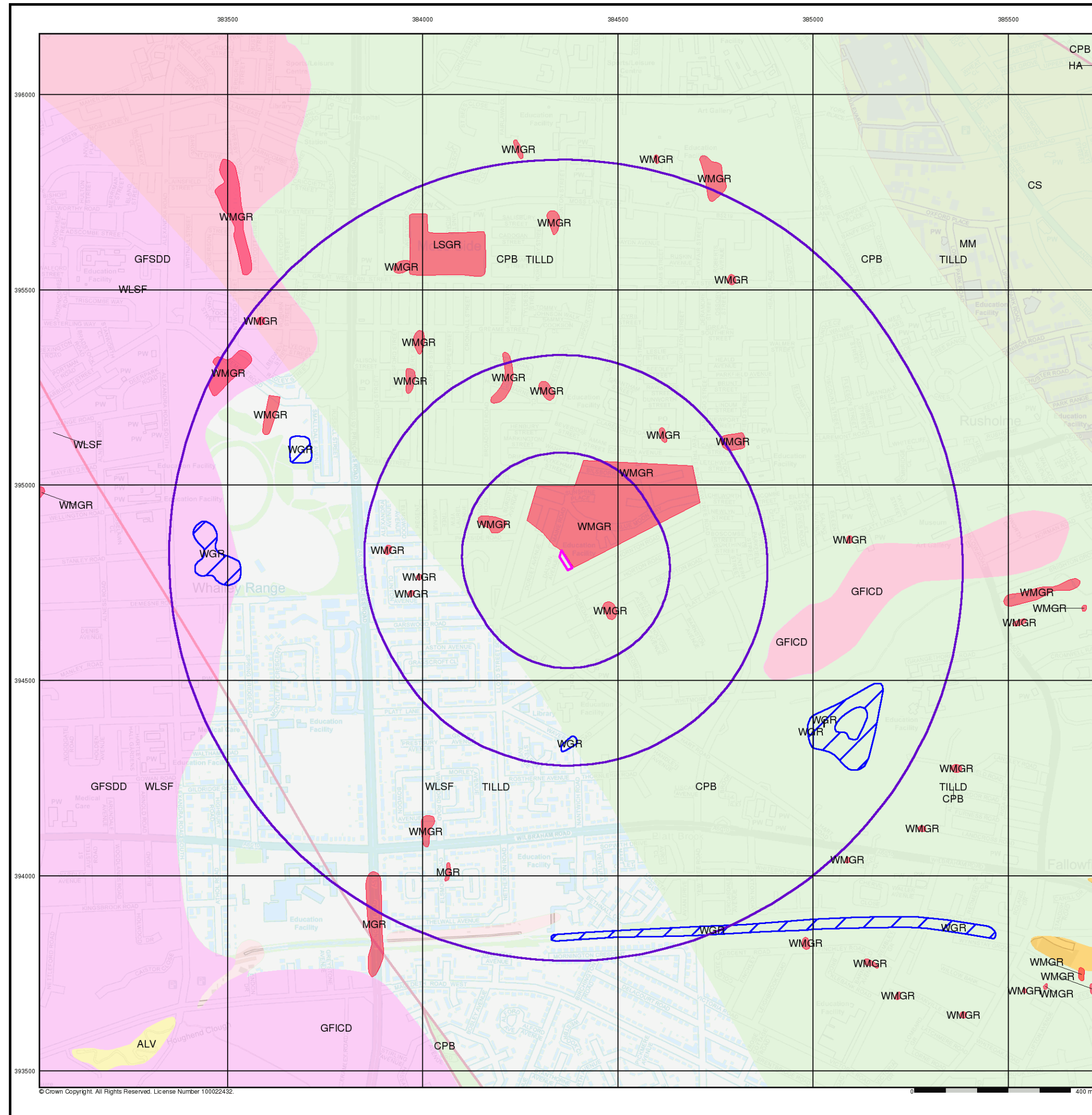
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Site Area (Ha): 0.07
Search Buffer (m): 1000

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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.

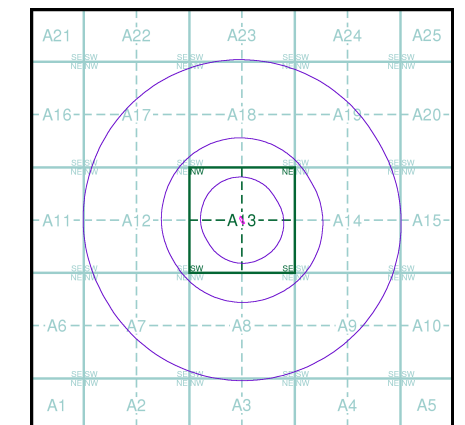
Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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

Combined Geology Map - Slice A



Order Details

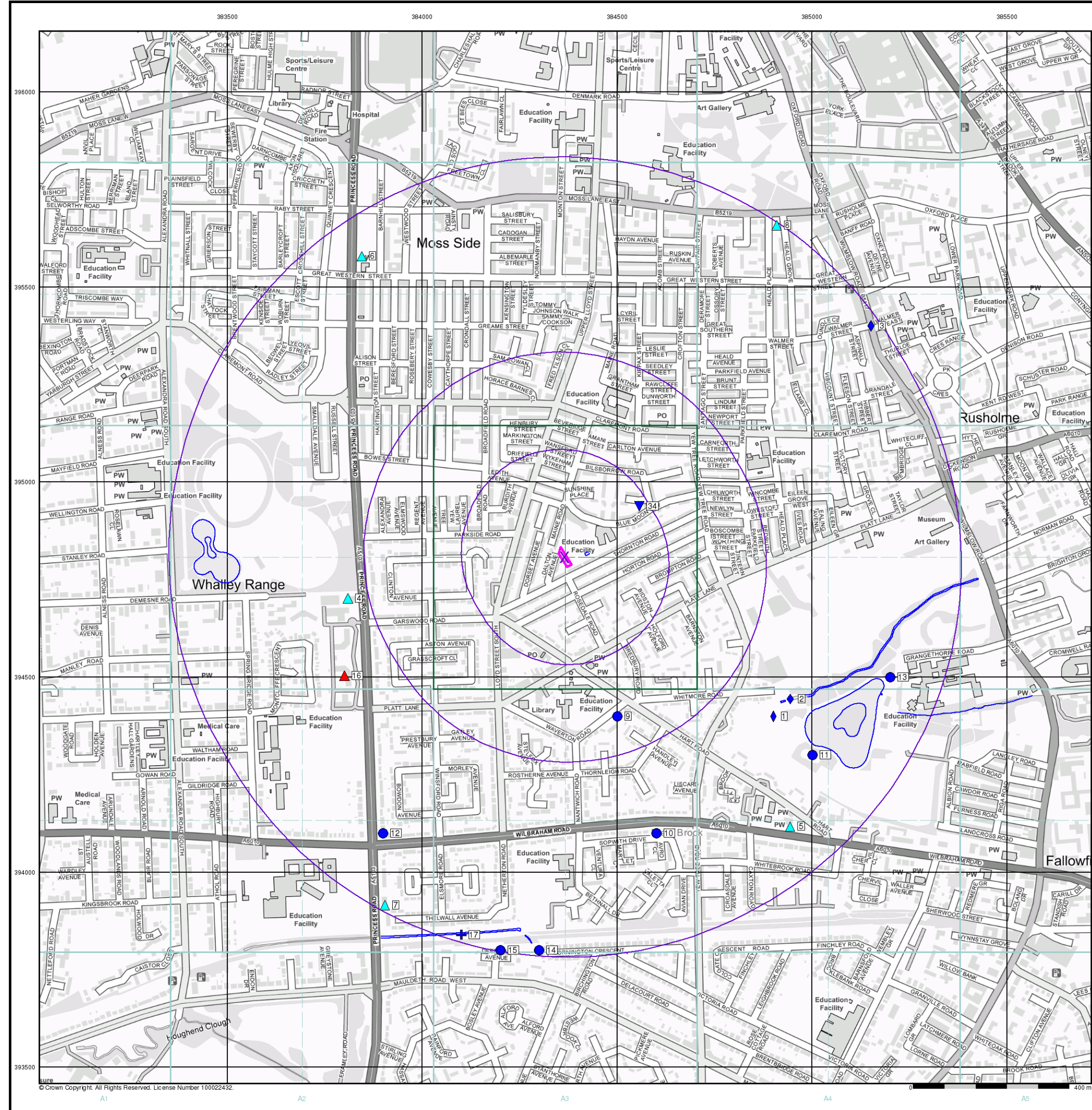
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

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General

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

Several of Type at Location

Agency and Hydrological

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

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site
- 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

Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice A

Order Details

Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

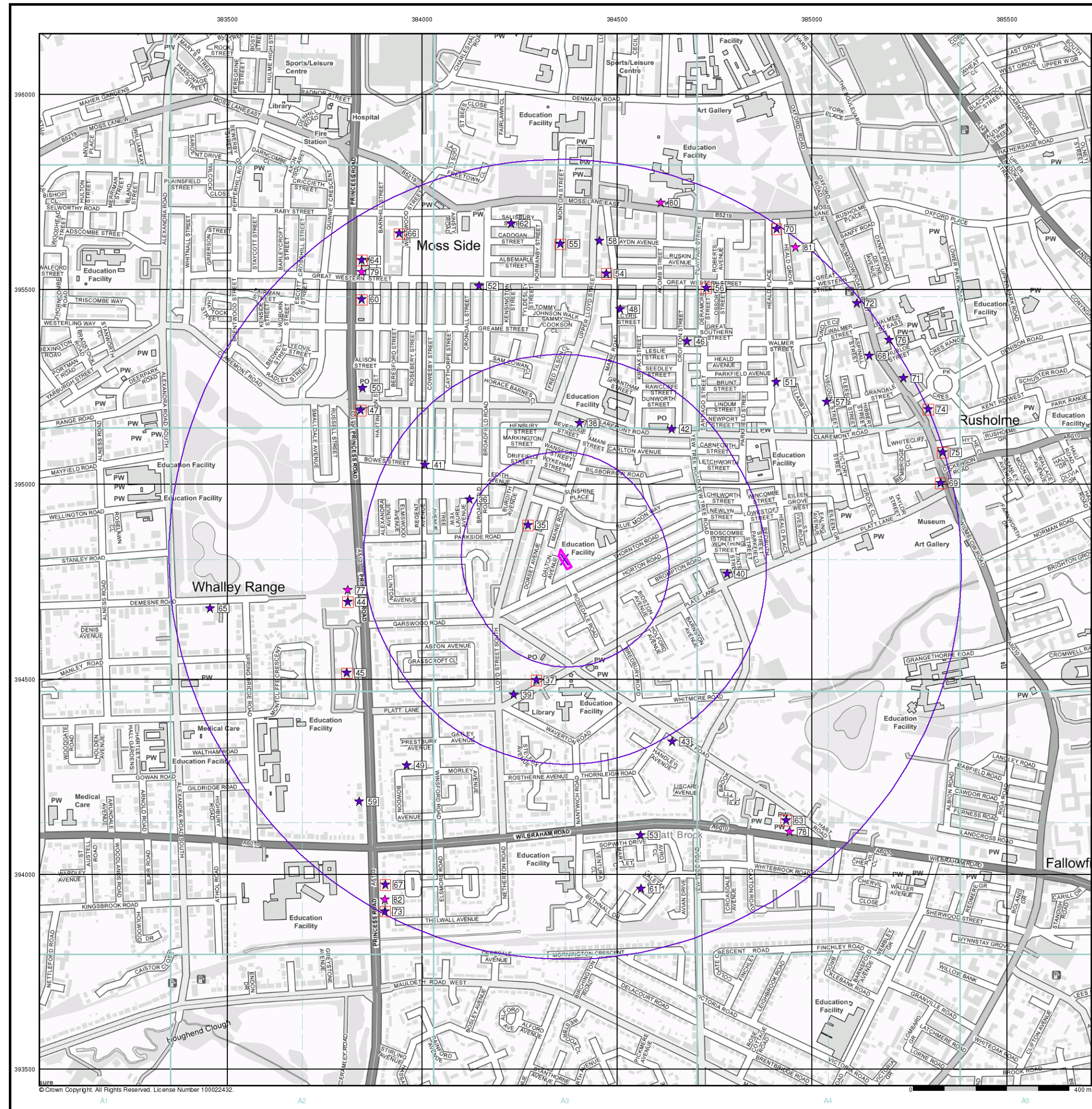
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Industrial Land Use Map

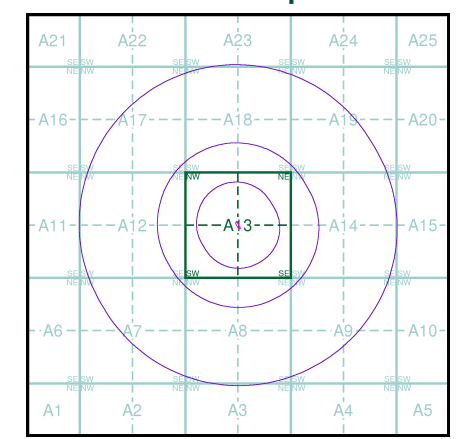
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

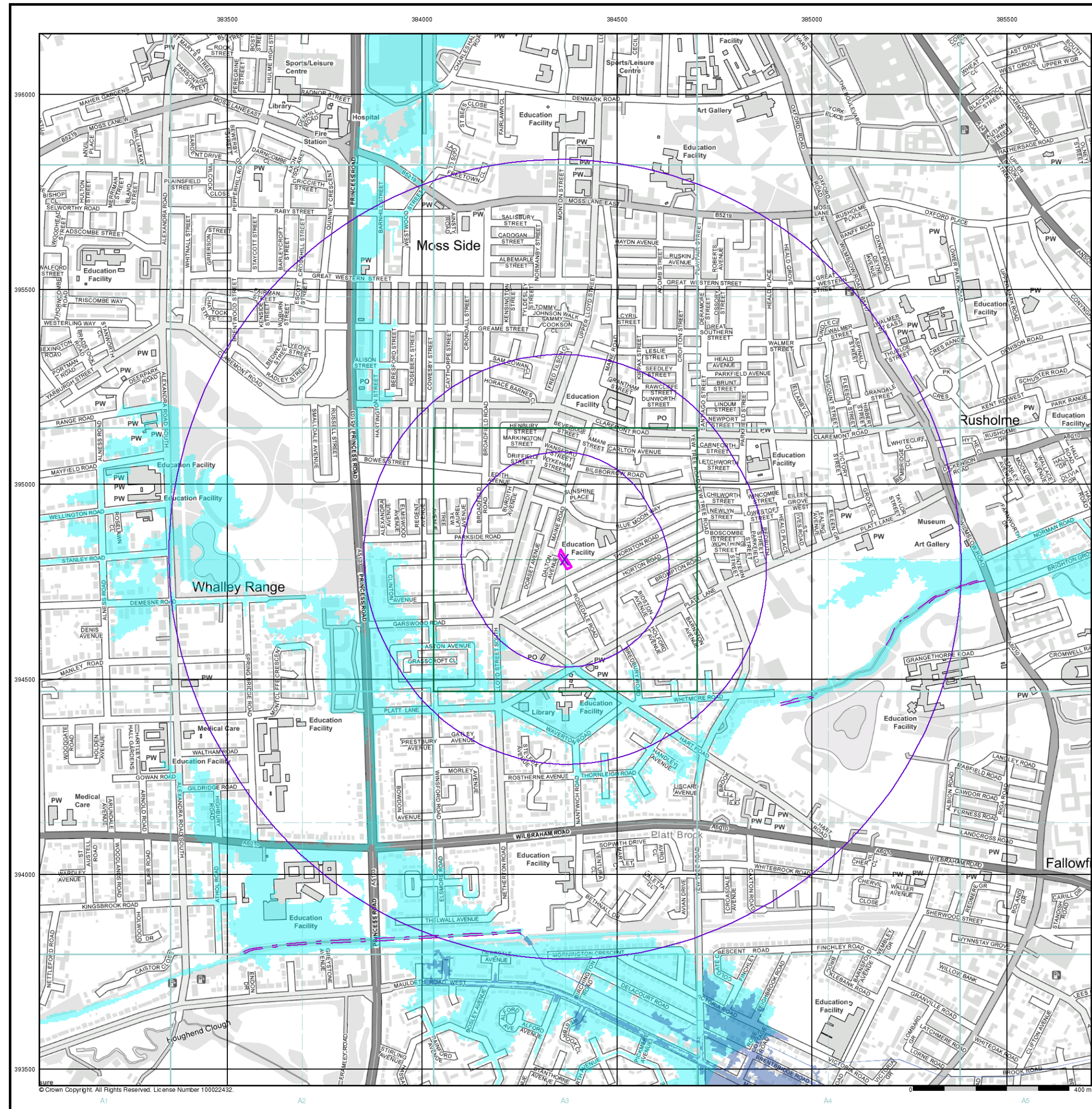
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
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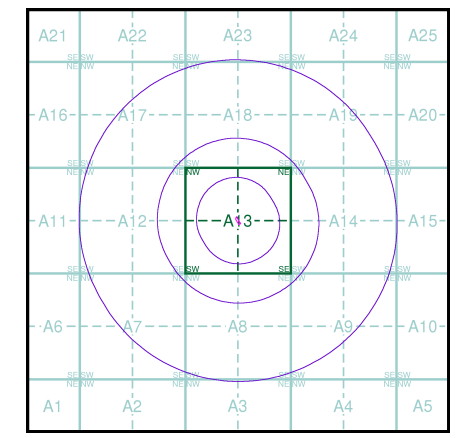
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

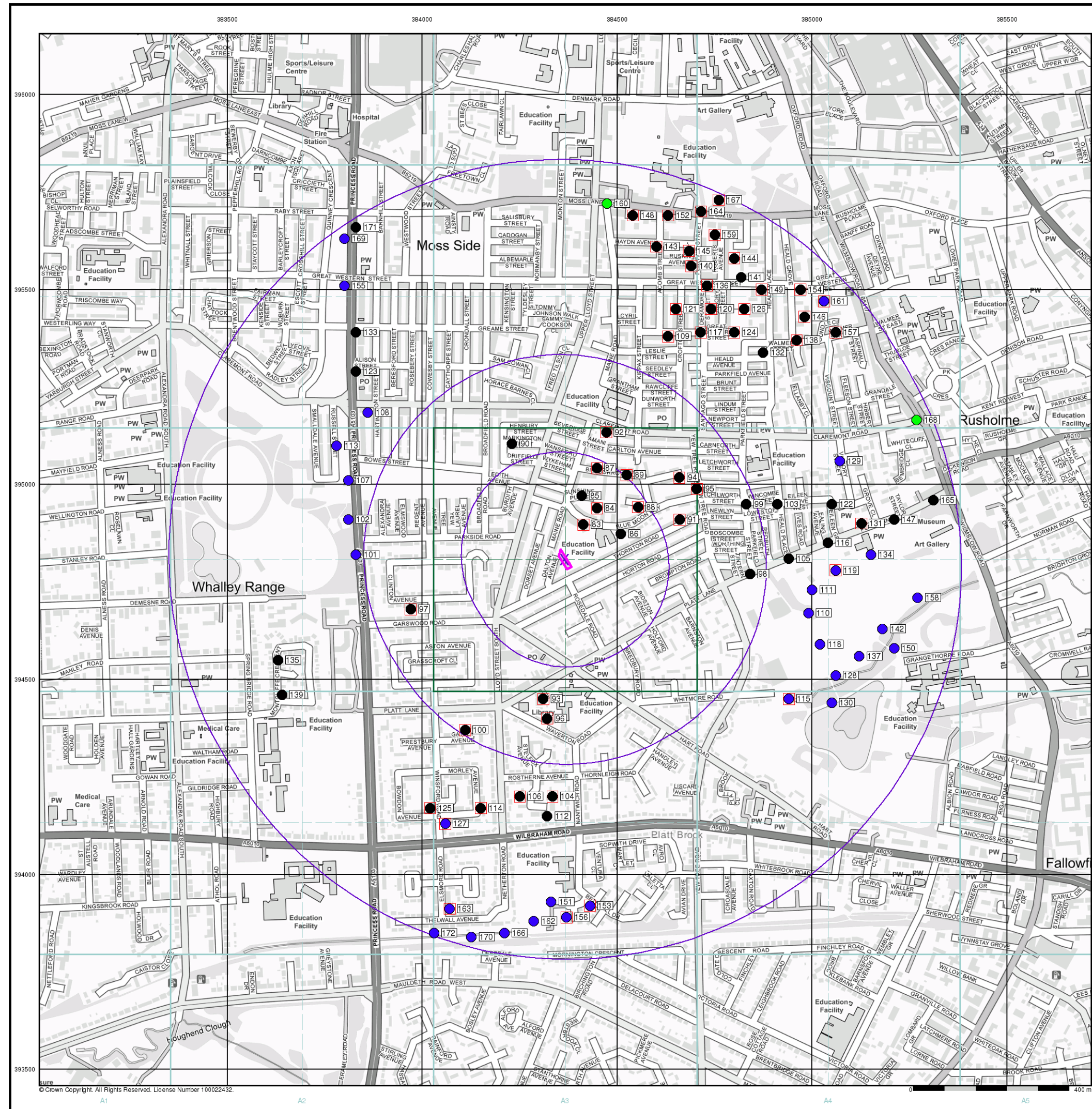
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Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
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General

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

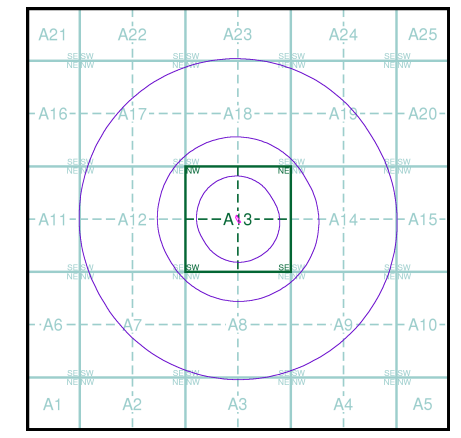
Agency and Hydrological (Boreholes)

- 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

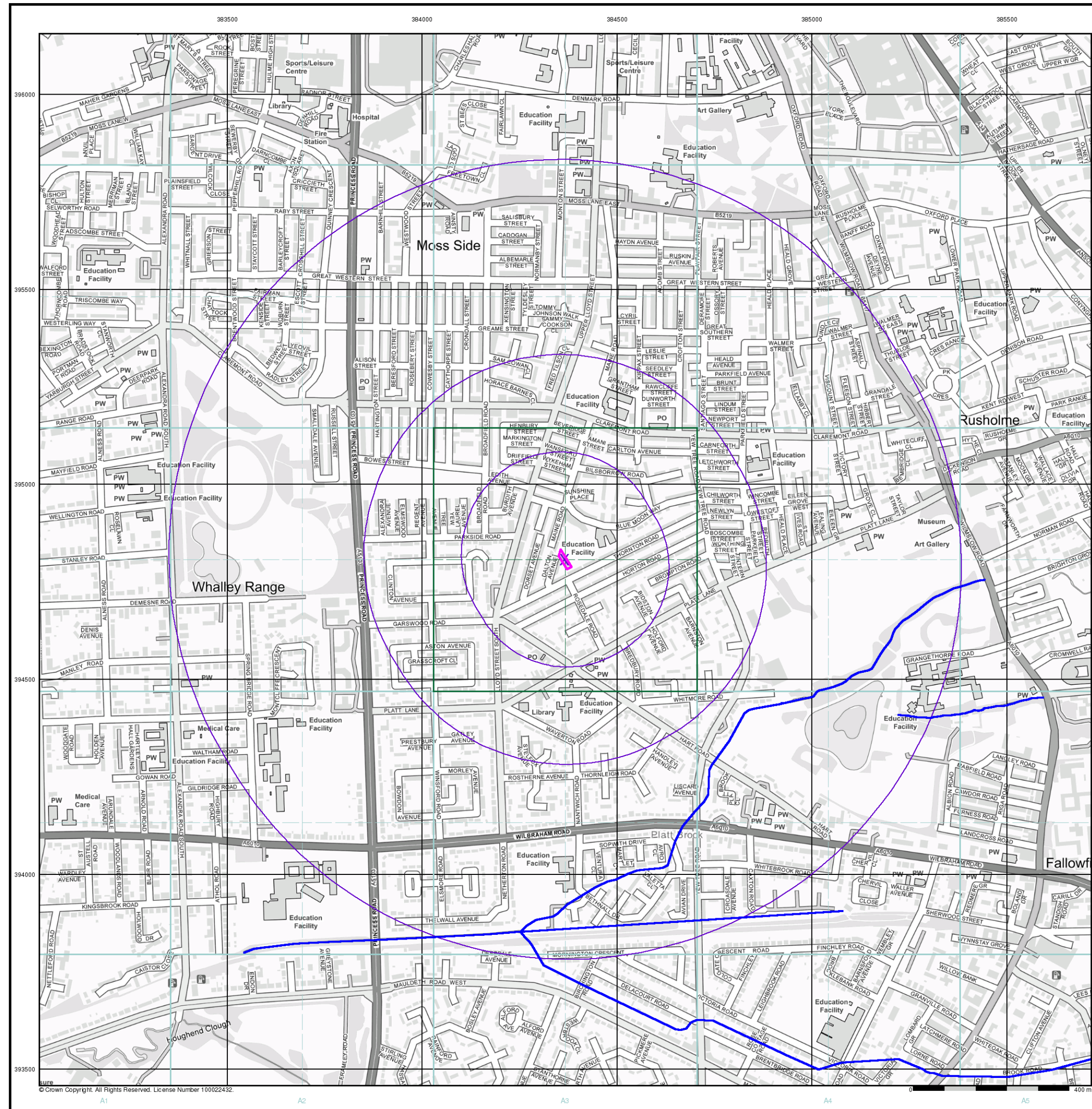
Order Number: 303932553_1_1
Customer Ref: 13509
National Grid Reference: 384370, 394810
Slice: A
Site Area (Ha): 0.07
Search Buffer (m): 1000

Site Details

11, Dalton Avenue, MANCHESTER, M14 7NR

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



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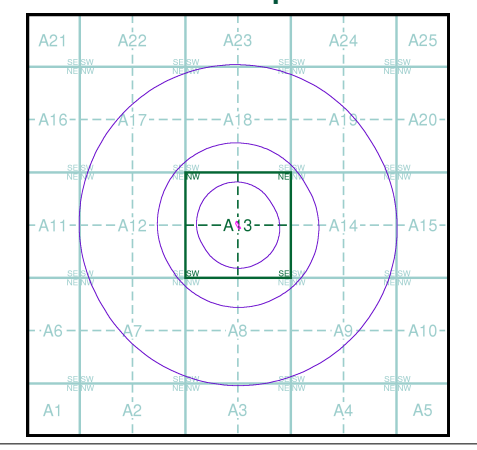
General

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

OS Water Network Data

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

OS Water Network Map - Slice A



Order Details

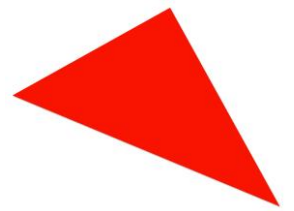
Order Number: 303932553_1_1
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APPENDIX 6
PROPOSED SITE PLAN

