

**Phase 1 Desk Study
Report**

Project Name: Molesworth Street, Rochdale, OL16 1TQ

Client: Glanville Consultants Limited (on behalf of McDonalds)

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SUMMARY

The site is located on the junction of Water Street and Molesworth Street. The northern part of the site is used by a Kia car dealership for parking cars. There is a webuyanycar cabin towards the centre of the northern boundary. The remainder of the site is used as car parking. It is proposed to construct a new McDonalds, together with associated car parking and a drive-thru lane.

Geological records indicate the site to be underlain by superficial Glaciofluvial Deposits over Old Lawrence Rock and Pennine Lower Coal Measures Formation on the south-westernmost edge of the site. Superficial Till deposits and Alluvial deposits are also mapped within close vicinity to the site.

A desk study was carried out and indicates that the site has a history of industrial land use including a clay brick and tile manufacturer, print works, iron works and garages, and the site is currently used as a car park. The site has also been located within an industrial/commercial area. The Petroleum Officer does not hold any records of fuel storage at the site.

An Unexploded Ordnance (UXO) risk assessment was undertaken by a specialist subcontractor as part of these works. This report has concluded that the risk of UXO is not considered to be higher than the 'background risk' of finding UXO in this part of the UK. It was recommended that no further action was required. The assessment was made with specific regard to the proposed investigation works/site works and its conclusions may not be appropriate to other activities.

A Consultants Coal Mining Report from The Coal Authority has been obtained for the site and did not identified any mining activity within the near vicinity of the site or any evidence of investigation or remedial activity or future mining activity near the site. From geological mapping the nearest coal seam is recorded around 450m south-west of the site.

Based on the Desk Study search and walkover survey carried out on the site, the overall risk of on-site contamination associated with both historical and current land use is considered low to moderate, in the context of the proposed commercial use of the site. Furthermore, the risk of off-site contamination migrating on to the subject site from contemporary sources is also considered low to moderate.

Where there is proposed hard covering (i.e. parking, buildings etc.) there would not be any direct contact of contamination with proposed end users as the Source-Pathway-Receptor pollutant linkage is broken by the permanent hard barrier. Where soft landscaping is proposed there is considered to be a potential pathway to the proposed end users. There is also a potential risk to site workers during the groundwork stages of the development and also a risk to proposed services, structures and the underlying aquifers.

A Phase II intrusive investigation is recommended to assess the contamination risk for the site. In order to assess the risk it is recommended that the investigation includes sampling and testing of any Made Ground, the underlying natural soils and groundwater. Chemical analysis, including asbestos screening, of the samples should be carried out in order to determine the nature and extent of any contamination on the site, and whether there is a need for any remedial works or additional assessment. The intrusive investigation can be integrated to include assessment for both geotechnical design purposes if required.

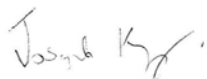
A potential risk from ground gases has also been identified due to potentially infilled land both onsite and in the near vicinity. Therefore, ground gas monitoring should be carried out within the location of the building to better assess the gas risk.

It is possible the site may have been used as a petrol filling station which means there may have been buried fuel tanks and if so these may remain beneath the site and may represent a risk of hydrocarbon contamination. A petroleum licencing search, from Greater Manchester Fire and Rescue Service, did not identify any evidence that petroleum spirit was stored at this address.

The investigation was conducted and this report has been prepared for the sole internal use and reliance of Glanville Consultants Limited and their appointed Engineers. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Southern Testing Laboratories Ltd. If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill.

The findings and opinions conveyed via this investigation report are based on information obtained from a variety of sources as detailed within this report, and which Southern Testing Laboratories Ltd. believes are reliable. Nevertheless, Southern Testing Laboratories Ltd. cannot and does not guarantee the authenticity or reliability of the information it has obtained from others.

The recommendations contained in this report are made in respect of the particular context of the investigation as described in the report and may not be appropriate to alternative development schemes. This report should be considered in its entirety and Southern Testing Laboratories Ltd accepts no responsibility for and excludes liability in respect of any omission or alteration made by others, and any use of the report for any purpose other than that for which it was produced.

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A INTRODUCTION

1 Authority

Our authority for carrying out this work is contained in an email from Mr K Jackson on behalf of Glanville Consultants Limited, dated 3rd May 2024, with their purchase order number of GCH1086.

2 Location

The site is currently used as a car park, located immediately to the south of the junction for Molesworth Street and Water Street in Rochdale.

The approximate National Grid Reference of the site is SD 90118 13371. The site location is indicated on Figure 1 within Appendix A.

3 Proposed Construction

It is proposed to redevelop the site with a new McDonalds building in the east, together with associated car parking in the west and a drive-thru lane etc. Based on the supplied proposed layout (included in Appendix A) it appears that only very limited, or no soft-landscaped are proposed.

In the absence of an applicable generic land use for a proposed McDonalds, for the purposes of the contamination risk assessment in relation to the proposed development, a combined Public Open Space (Park) and Commercial/Industrial classification has been used CLEA Model [1] / C4SL Report [2].

The gas sensitivity of the proposed development is rated as Low CIRIA C665 Ref [3]

4 Object

This is a Phase 1 Desk Study including a Walkover Survey, the object of which was to assess the likely nature and extent of soil, groundwater and soil gas contamination on the site.

5 Scope

This report presents our desk study findings only.

An Unexploded Ordnance (UXO) risk assessment was included within our brief for the investigation. The assessment was made with specific regard to the proposed investigation works/site development and its conclusions may not be appropriate to other activities.

This report is not an engineering design and the figures and calculations contained in the report should be used by the Engineer, taking note that variations will apply, according to variations in design loading, in techniques used, and in site conditions. Our figures therefore should not supersede the Engineer's design.

The findings and opinions conveyed via this investigation report are based on information obtained from a variety of sources as detailed within this report, and which Southern Testing Laboratories Ltd. believes are reliable. Nevertheless, Southern Testing Laboratories Ltd. cannot and does not guarantee the authenticity or reliability of the information it has obtained from others.

The investigation was conducted and this report has been prepared for the sole internal use and reliance of McDonalds and their appointed Engineers. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Southern Testing Laboratories Ltd. If an unauthorised third party comes into possession of this report they rely on it at their peril and the authors owe them no duty of care and skill.

The recommendations contained in this report are made in respect of the particular context of the investigation as described in the report and may not be appropriate to alternative development schemes. This report should be considered in its entirety and Southern Testing Laboratories Ltd accepts no responsibility for and excludes liability in respect of any omission or alteration made by others, and any use of the report for any purpose other than that for which it was produced.

Detailed information on the proposed development, such as detailed final layout, loadings and serviceability limits was not provided. Accordingly, where geotechnical design advice is provided it is on the prescriptive basis allowed for by Eurocode 7: employing conventional and conservative design rules.

B DESK STUDY AND WALKOVER SURVEY

6 Desk Study

A desk study has been carried out. Reference has been made to the following information sources.

- Online Geological Maps Ref [4] & Ref [5]
- Online Hydrogeological Maps Ref [6]
- Aerial Photographs
- Historical Ordnance Survey Maps
- Environmental Databases
- BGS Online Historical Borehole Records Ref [7]
- Search on Local Authority Planning Portal for planning history
- MAGIC website mapping Ref [8]
- Environment Agency / Gov.UK Website Flood Risk Ref [9]
- UK Radon Ref [10] and BRE Radon Ref [11]
- Google Earth (for old aerial photographs)
- Preliminary UXO Risk Assessment (1st Line Defence)
- The Coal Authority Consultants Coal Mining Report
- Greater Manchester Fire & Rescue Service, Petroleum Search

The environmental databases search report compiled for this desk study contains site-specific environmental data drawn from data sets that comprise publicly available information together with data from third parties, some of which is under review. Accordingly, Southern Testing Laboratories Limited does not warrant its accuracy, reliability or completeness.

The full report is included in Appendix F and G, a summary of the salient features is included in the following sections of this report.

6.1 Geology

The British Geological Survey Map, No. 76 (Rochdale) and No. 85 (Manchester), indicate that the site geology consists of superficial Glaciofluvial Deposits over Old Lawrence Rock and Pennine Lower Coal Measures Formation on the south-westernmost edge of the site. Superficial Till deposits and Alluvial deposits are also mapped within close vicinity to the site (also see Section 6.4.1).

6.1.1 Glaciofluvial Deposits

The deposits comprise sediments transported and deposited by glacial meltwater, either sub-glacially, en-glacially, supra-glacially or downstream of glaciers via meltwater channels and/or glacial outwash events. Deposits are formed via number of processes and therefore vary greatly in depth. Sediments commonly comprise of sand and gravel, with moderate sorting and bedding. Fines including clay have generally been washed out leaving the sand and gravel which is commonly non-cohesive and highly permeable, a good bearing capacity and low settlement is common. However, lenses of silt, clay or organic material can be locally present.

6.1.2 Till Deposits

Till is typically an unsorted and unstratified drift, generally overconsolidated, deposited directly by and underneath a glacier without subsequent reworking by water from the glacier. It consists of a heterogenous mixture of clay, sand, gravel, and boulders varying widely in size and shape (diamicton).

6.1.3 Alluvium

Alluvium is a geologically recent deposit found in association with watercourses. It is typically soft to firm normally consolidated, compressible silty clay, but can contain layers of silt, sand, peat and basal gravel. A stronger, desiccated surface zone may be present.

Running sand or silt may be encountered. Excavations are often unstable. Bottom heave may be encountered in clayey soils below 3m.

It is inherently variable and rapid lateral transitions in soil type should be anticipated.

6.1.4 Pennine Lower Coal Measures Formation / Old Lawrence Rock

These deposits generally consist of interbedded grey mudstone, siltstone and pale grey sandstone. Marine fossils are commonly contained within mudstone in the lower part and there are more numerous and thicker coal seams in the upper part.

The Pennine Lower Coal Measures Formation is the parent unit of Old Lawrence Rock.

6.2 Historical Borehole Records

A search of previous exploratory hole records both from the online British Geological Survey database [7] and Southern Testing in-house records, revealed numerous records within the near vicinity of this site, all from the BGS source only.

Information from the historic borehole records are generally located approximately 100m to the north east of the site, around the River Roch and are mapped within superficial alluvial deposits over the Old Lawrence Rock.

These boreholes records indicate a significant covering of made ground up to 3m depth, underlain by soft clays, peat and loose sands/gravels to around 6-8m(bgl), underlain by a stiff sandy boulder clay and sandy laminated clay.

Water strikes were generally recorded at around 3m depth and around 4.5/5.0m depth. Standing water levels were recorded between 2.2m and 3.2m.

The BGS borehole records within around 100m of the site are summarised in the table below.

BH Reference	Final Depth (bgl)	Distance from site (m) & Direction	Remarks
SD91SW275	3.5m	65m N	Trial pit, April 1988. Soils recorded as loose fill, cinder, ash and rubble to 3.0m, underlain by damp very sandy clay to 3.5m. Recorded as dry.
SD91SW272	10m	80m NE	Borehole, April 1988 Soils recorded as firm crush overlying rubble mixed with clay and ash to 2.9m, underlain by firm clay and water to 3.1m, underlain by soft dark grey silty clay and peat to 4.3m, underlain by loose wet silty sand to 6.0m, underlain by coarse sand with gravel and cobbles to 7.4m, underlain by alternating bands of sandy boulder clay and sandy laminated clay to 10m. Water strike recorded at 2.9m and 5.2m. Standing water recorded at 2.9m.
SD91SW277	2.2m	80m NE	Trial pit, April 1988. Soils recorded as compact ash and rubble to 1.0m, underlain by soft sandy clay to 1.4m, underlain by firm sandy stony clay to 2.2m. Recorded as dry.

BH Reference	Final Depth (bgl)	Distance from site (m) & Direction	Remarks
SD91SW278	3.8m	80m N	Trial pit, April 1988. Soils recorded as loose fill, cinder, ash and rubble to 3.0m, underlain by damp very sandy clay to 3.5m. Recorded as dry.
SD91SW276	3.0m	90m NE	Trial pit, April 1988. Soils recorded as loose brick rubble fill to 3.0m. Recorded as dry.
SD91SW274	2.8m	90m N	Trial pit, April 1988. Soils recorded as loose ash fill to 1.5m, over soft very sandy clay to 2.8m. Recorded as dry.
SD91SW10	246.89m	100m E	Soil recorded as drift to 67.06m, underlain by mudstone to 127.71m, underlain by shale to 132.89m, underlain by mudstone to 149.35m, underlain by sandstone to 168.86m, underlain by interbedded sandstone and mudstone. Water strike recorded >149.4m.
SD91SW270	10m	100m NE	Borehole, April 1988. Soils recorded as ash, stone and brick rubble fill to 1.5m, underlain by soft clay mixed with ash to 3.1m, underlain by soft silty clay with peat to 3.8m, underlain by very soft silty clay to 4.7m, underlain by coarse sand gravel and cobbles to 5.7m, underlain by alternating bands of firm sandy boulder clay and sandy laminated clay to 10m. Water strike recorded at 2.8m and 4.7m. Standing water recorded at 2.2m.
SD91SW273	10m	100m NE	Borehole, April 1988. Soils recorded as loose ash, stone and brick rubble fill to 2.0m, underlain by soft silt and peat mixed with rubble to 3.0m, underlain by loose coarse sand and gravel to 3.8m, underlain by soft silty clay and peat to 4.5m, underlain by very soft/loose silt and sand to 6.1m, underlain by coarse sand with gravel and cobbles to 6.9m, underlain by stiff sandy boulder clay with occasional bands of sandy laminated clay to 10m. Water strike recorded at 3.0m and 4.5m. Standing water recorded at 3.2m.

6.3 Geological Hazards and Mining Activities

Data from various sources relating to potential geological hazards at the site are summarized below. The Hazard Potentials listed for the BGS data are as presented in the Envirocheck report, derived from various generic BGS sources, **which are not considered as site-specific**. It is important that this information is considered in context of the actual site topography, ground conditions encountered during future investigation, and development proposals.

Data Source	Hazard	Hazard Potential to Site	Remarks
BGS	Potential for Collapsible Ground Stability Hazard	Very Low	
	Potential for Compressible Ground Stability Hazard	No Hazard	Moderate risk recorded 2m south-west of the site.
	Potential for Ground Dissolution Stability Hazard	No Hazard	

Data Source	Hazard	Hazard Potential to Site	Remarks
	Potential for Landslide Ground Stability Hazard	Very Low	Low risk recorded 1m south of the site.
	Potential for Running Sand Ground Stability Hazard	Very Low	Low risk recorded 2m north of the site.
	Potential for Swelling or Shrinkage Clay Ground Stability Hazard	No Hazard	Very low risk recorded 1m south and 2m north of the site.
	Shallow Mining Hazard	Low	
	BGS recorded mineral site	Very Low	Nearest BGS recorded mineral site recorded 442m north of the site as Rock House Sand Pit. Recorded as ceased.
ARUP [Ref [12]]	Mining Instability	Moderate	The site is located within an area that may be affected by coal mining. A Coal Authority coal mining report has been obtained (see section 6.4).
CSS [Ref [13]] KURG [Ref [14]]	Underground Openings	Very Low	None recorded within 1km of the site.
PBA	Natural & Mining Cavities	Very Low	None recorded within 1km of the site.

From historic mapping the site was shown to be part of a brick works therefore, it is possible that areas has been infilled and the site may be underlain by a significant depth of Made Ground.

6.4 Coal Mining

6.4.1 Geological Mapping

From the BGS 1:10,000 scale geological mapping (sheet refs. SD91SW & SD81SE) the nearest outcropping coal seam is recorded around 0.5km south-west of the site (the Arley Coal seam), with further seams outcropping around 0.8-0.9km to the east/northeast.

6.4.2 Coal Authority Report

A Coal Authority “Consultants Coal Mining Report” has been obtained for the site (ref. 51003422219001, dated 3 May 2024) and can be found in Appendix D.

This report had not identified any mining activity within the near vicinity of the site or any evidence of investigation or remedial activity or future mining activity near the site.

6.5 Radon Risk

With reference to the Envirocheck report, UK Radon Ref [10] and BRE Radon Ref [11] guidance: the site is within an intermediate probability radon area (with 1% to 3% of homes estimated to be at or above the Action Level). However, according to the site-specific data within the Envirocheck report, no radon protection is required on this site.

6.6 Hydrology and Hydrogeology

Data from the Environment Agency and other information relating to controlled waters is summarised below.

Data		Remarks	Possible Hazard to/from Site (Y/ N)
Aquifer Designation	Superficial Deposits	Glaciofluvial Deposits - Secondary A aquifer	Y
	Bedrock	Old Lawrence Rock/Pennine Lower Coal Measures Formation - Secondary A aquifer	Y
Groundwater Vulnerability		High groundwater vulnerability. Relates to shallowest aquifer and is a function of the ability of superficial soils to transmit contaminants.	Y
Abstractions	Surface Water	The nearest surface water abstraction is listed as 152m west of the site as hydroelectric power generation. A few other surface water abstractions are listed within 1km, however, these predominantly relate to commercial/industrial uses.	N
	Groundwater	The nearest groundwater abstraction is listed as 144m east of the site as boiler feed and private water supplies (domestic). A few other groundwater abstractions are listed within 1km, however, these predominantly relate to commercial/industrial uses.	N
Source Protection Zones		The site is not located within a groundwater Source Protection Zone (SPZ).	N
Surface Watercourses		The nearest surface water feature is the River Roch, located approximately 40m to the north-west of the subject site.	Y
Groundwater Flood Risk*		The north-eastern most two thirds of the site is mapped as limited potential for groundwater flooding to occur. The south-western thirds is mapped within an area with the potential for groundwater flooding of property situated below ground level.	Y
Surface Water Flood Risk*		The site itself is not shown within an area mapped as being at risk. Water Street and Molesworth Street with a low to high risk of surface water flooding.	Y
Marine / Fluvial Flood Risk*		The site is not shown within an area mapped as being at risk.	N
Reservoir Flood Risk*		From the Gov.UK website flood mapping, the northern edge of the site is shown as being at risk, with the majority of the remainder of the site shown within an area mapped as being at risk when there is also flooding from rivers.	Y
Discharge Consents		The nearest discharge consent is listed as 51m north-west of the site as public sewage, storm sewage overflow (United Utilities Water Limited) to the River Roch.	N

* These sections are provided for information only, this report does not constitute a formal flood risk assessment and specialist advice should be sought in relation to potential flooding issues.

The site is mapped as being underlain by superficial Glaciofluvial Deposits which are classified as a Secondary A Aquifer with high groundwater vulnerability, but is not located within a source protection zone. The underlying Old Lawrence Rock/Pennine Lower Coal Measures Formation bedrock is also classified a Secondary A Aquifer. Therefore, the site would be classed as hydrogeologically sensitive which means there is a potential risk to the site and underlying aquifer from any potentially mobile contaminants arising from either an on-site or off-site sources.

No current groundwater monitoring data is available for the subject site. Nearby BGS borehole data suggests groundwater levels are between 3-5mbgl, which would seem a reasonable estimate given the elevation of the site in relation to the River Roch approximately 40m away.

6.7 Historical Ordnance Survey Maps

Copy extracts of historical Ordnance Survey plans dating from 1851 to 2024 were obtained and are presented in Appendix F. A summary of the salient features is presented below.

The site itself has had a generally industrial land use over time. From earliest OS mapping (1851) the site is shown to comprise a print works in the north-east and the remainder of the site as part a brickfield, extending offsite to the south. By early 1890s mapping the site comprises a large warehouse building in the south-west and further building in the centre of the site labelled as 'Victoria Works (machinery)', understood to have been an iron works including a small tank along the boundary with Water Street, as well as a row of terraced houses along the north-eastern boundary fronting onto Molesworth Street. By the 1930 OS mapping, the site layout remains the same but the central building is no longer labelled as an iron works.

By the late 1950s OS mapping, the layout of the central building had changed and by the 1970s mapping, both of the larger buildings are shown as garages. The site remains generally unchanged until the 2000 aerial photography which shows the site with a warehouse style building remaining in the south-west and the remainder of the site having been cleared and in use as a car park. The building on site was removed around 2017 with the whole site becoming a car park, as the site is today, which appears to be newly resurfaced around 2020.

The area surrounding the site has had a generally commercial/industrial history with numerous works and factories being present in the near vicinity overtime including iron and brass works, timber yards, smithy's, brewery, sanitary depot, clay/sand pits and allotment gardens. From 1851 mapping to a large sand pit was also located around 115m east of the site just south of the River Roch, which appears to have been potentially infilled/partially infilled by 1891 mapping and building constructed in this location. Further quarrying/mining actives are around 220m north east of the site (northern side of the River Roch) shown from 1910 mapping to the late 1950s, understood to be for metal casting/foundries.

6.8 Environmental Databases

Data Source	Distance (m)	Direction	Details	Possible Hazard to Site (Y/N)
Historical Industrial Land Use (within 250m)	0	SW	Clay brick & tiles manufacture (1851)	Y
	45	S	Factory or works – use not specified (1989)	Y
	61	NE	Factory or works – use not specified (1910)	Y
	106	SE	Factory or works – use not specified (1989)	Y
	113	N	Natural and man-made textile manufacture and products (1851)	Y
	115	E	Quarrying of sand and clay, operation of sand and gravel pits (1851)	Y
	122	NE	Refuse disposal (1894-1956)	Y
	190	NW	Road haulage (1993)	N
	217	NE	Metal casting/foundries (1910-1956)	N
	244	SE	Factory or works – use not specified (1989)	N
Contemporary Trade Directory Entries (within 100m)	11	E	Car Dealers (inactive)	N
	18	S	Recycling service / scrap metal merchants (active)	Y

Data Source		Distance (m)	Direction	Details	Possible Hazard to Site (Y/N)
		34	W	Car dealers (inactive)	N
		34	W	Garage services (active)	Y
		46	N	Car dealers (inactive)	N
		46	N	Car dealers (active)	N
		59	E	Car dealers (inactive)	N
		69	S	Cleaning materials & equipment (active)	N
		72	S	Textile manufacturing (inactive)	N
		75	S	Car dealers (inactive)	N
		75	S	Gearboxes (inactive)	N
		79	N	Tyre dealers (inactive)	N
		83	SE	Commercial vehicle servicing, repairs, parks and accessories (inactive)	N
		84	SE	Car dealers (inactive)	N
Current and Historical Landfills (within 500m)		270	E	Waithlands – recorded as depositing waste including inert, industrial, commercial, household waste and liquid sludge (31/12/1922 to 07/07/1985).	N
Potentially Infilled Land (within 250m)	Water	149	W	Unknown filled ground (1956)	N
		223	W	Unknown filled ground (1910)	N
	Non-water	0	SW	Unknown filled ground (1989)	Y
		115	E	Unknown filled ground (1989)	N
Fuel Sites (within 250m)		204	SE	Tcs Molesworth Street – obsolete	N
Pollution Incidents (within 250m)		49	NE	Category 3 minor incident (March 1995) to River Roch, - no pollution found.	N
		52	NE	Category 3 minor incident (October 1995) to River Roch due to blocked sewer,- rubble, litter or solids	N
		112	N	Category 3 minor incident (March 1995) to River Roch - rubble, litter or solids	N
		139	E	Category 3 minor incident (July 1995) to River Roch - miscellaneous natural pollutant.	N
		140	E	Category 2 significant incident (November 1993) to River Roch – diesel (including agricultural).	N
		145	E	Category 3 minor incident (July 1994) to groundwater - unknown pollutant.	N
		146	E	Category 3 minor incident (April 1996), receiving water not given – fire water run-off.	N
		164	NW	Category 3 minor incident (November 1995), receiving water not given - unknown pollutant.	N
IPPC/LAPPC Authorisations (within 250m)		95	SE	LAAPC – PG6/29 Di-isocyanate processes.	N
		158	SE	LAAPC – PG6/23 coating of metal and plastic.	N

Data Source	Distance (m)	Direction	Details	Possible Hazard to Site (Y/N)
	204	SE	LAAPC – PG1/14 petrol filling station.	N
	235	NE	LAAPC – PG2/4 iron, steel and non-ferrous metal foundry processes.	N
	235	NE	LAAPC – PG2/3 electrical and rotary furnaces.	N
	236	SE	LAAPC – PG2/4 iron, steel and non-ferrous metal foundry processes.	N
Hazardous Substances Consents	None recorded within 500m of the site			N
Sensitive Land Uses	None recorded within 500m of the site			N

From the environmental database search a few potential sources of contamination have been identified on site and in the near vicinity. From the Envirocheck report and historic OS mapping the site is recorded to have previously been used for a number of uses, including for clay, brick and tile manufacturer, print works, iron works and garages, and the site is currently used as a car park.

The site is indicated to have been part of a brick field (extending off-site to the south), which would likely have been excavated and has potentially been infilled with unknown fill materials and this is considered a source of a range of contaminants, which could migrate to the site through groundwater but also a source of ground gases.

Numerous current and historic commercial/industrial activities have also been recorded both onsite and in the near vicinity which would be considered significant sources of contamination in terms of heavy metals, PAHs, VOCs and petroleum hydrocarbons.

The proposed end use of the site is commercial (and predominantly comprises building/hardstanding), so not particularly sensitive in terms of the end-user. Despite the contamination risk identified, there is considered a potential risk to site workers during the groundwork stages of the construction/development and also a risk to proposed services, structures and the underlying aquifers.

6.9 Planning Application History

A search of the Rochdale Metropolitan Borough Council planning website identified a number of planning applications for the subject site which are outlined in the table below.

(<https://publicaccess.rochdale.gov.uk/online-applications/>, accessed 8th May 2024).

Application Number	Application Date	Proposal Details / Comments	Decision
79/D08150	Not available	Motor vehicle show room alongside existing garage and petrol filling station to provide manufacturers agency for new vehicles	Not available
80/D10807	Not available	Extension to fascia to showroom and hand carwash unit facility	Not available
81/D13287	Not available	Use of building as parts and spares department and vehicle display in connection with adjoining repair garage and car showroom and use of land for vehicle parking	Not available
90/D24806	Feb 1990	Showroom extension	Grant subject to conditions
98/D35655	July 1998	Erection of food store and video library rental store	Withdrawn

Application Number	Application Date	Proposal Details / Comments	Decision
13/00797/FUL	July 2013	Change of use of land to form car park including the demolition of former carcraft buildings	Grant subject to conditions
13/00798/ADV	July 2013	Erection of 13 non illuminated advertisement hoardings to south and west boundaries of the former carcraft site	Refuse
13/01109/ADV	Oct 2013	Installation of one non-illuminated advertisement hoarding (Resubmission of 13/00798/ADV)	Grant subject to conditions
14/00584/ADV	May 2014	One non-illuminated advertisement hoarding (Retrospective)	Granted

The above applications suggest the site has a long history as a car garage/dealership and planning application 79/D08150 suggest the site may have been used as a petrol filling station. Therefore it is possible that there may be have been buried fuel tanks and if so these may remain beneath the site and may represent a risk of hydrocarbon contamination.

A petroleum licencing search has been requested from Rochdale Borough Council, however, at the time of writing, the results of this have not been received and an updated report will be issued in due course.

Other planning application viewed for neighbouring land are generally for extensions, alterations and refurbishments to existing buildings/plots and do not indicate any further significant potential sources of contaminations.

6.10 Petroleum Licencing Search

A petroleum licencing search (ref. PE1003693), from Greater Manchester Fire and Rescue Service, was undertaken for the site. The full correspondence can be found in Appendix E but a summary is provided below.

The Authority reviewed the site historical files and records for any past or current licensed storage of petroleum within the site, but the review did not identify any evidence that petroleum spirit was stored at this address.

However, if whilst undertaking future works it becomes apparent to contractors that above or underground petroleum tanks are present, the Authority must be informed immediately.

6.11 Ground Gas Risk

The site itself and the area immediately to the south-eastern boundary is listed as being an area of potentially infilled ground (non-water) it is assumed this is associated with the historic brick field located on site and brick field/sand pit located to the south-east. Depending on its composition and depth, the made ground beneath the site or beneath the adjacent land could be a potential source of land gases.

In addition, there are three other areas of potentially infilled land recorded within 250m of the site. The nearest of these is located 115m east and is related to historic sand, gravel and clay pits which have been potentially infilled in the late 1980s. Given the relatively large size of the pits and the potential for a significant depth of unknown fill material this is also considered a potential source of ground gases.

The other two areas of potentially infilled land (water) are appear to be related to a small channel (goit) located adjacent to the River Roch and a small pond. Given their small size and distance from the site these features are not considered to pose a significant risk to the proposed site.

Similarly, an historic landfill approximately 270m east of the site (Waithlands) which was active between 1922 and 1985 and is recorded to have deposited waste including inert, industrial, commercial, household waste and liquid sludge. Given the distance from the site (ie. >250m) this is not considered to be a credible source of ground gases at the site.

Based on the above there is considered to be a potential risk from land gases at the subject site and, therefore, gas monitoring should be carried out during any future ground investigation to determine the risk on site and if any mitigation measures are required.

6.12 UXO Risk Management

A preliminary UXO risk assessment has been prepared by 1st Line Defence (ref PA19968-00) and a copy can be found in Appendix C. The assessment was made with specific regard to the proposed investigation works/site works and its conclusions may not be appropriate to other activities.

The report indicated that during WWII the site was within an area which sustained an overall very low density of bombing according to official Home Office bombing statistic, with just 4 HE bombs recorded within the Country Borough of Rochdale. The report suggest that no evidence could be found at this preliminary stage to suggest that these four bombs were located within close proximity of the site.

This report has concluded that the risk of UXO is not considered to be higher than the 'background risk' of finding UXO in this part of the UK. It is recommended that no further action is required.

The possibility of unexploded ordnance (UXO) being encountered on a site falls within the category of a potentially significant risk and should be addressed as a legal duty under the Construction (Design and Management) Regulations by the Client as early as possible in a project.

The CIRIA publication C681 Ref [15] has been developed to provide a consistent framework for the management of potential risks posed by UXO during site investigation and groundwork phases of construction. The process adopts a tiered approach, divided into four distinct stages; Preliminary risk assessment, Detailed risk assessment, Risk mitigation and Implementation.

7 Site Walkover Survey

At site walkover was carried out on 9th May 2024.

7.1 General Site Description and Boundaries

The site is located on the southern side of the junction of Water Street and Molesworth Street. The northern part of the site is used by a Kia car dealership for parking cars. There is a 'Webuyanycar' office/cabin towards the centre of the northern boundary. The remainder of the site is used for car parking. The whole site is covered with blacktop hardstanding which appears to be in good condition. To the south of the site is a stone retaining wall, perpendicular to which is a brick built structure, which is in poor condition, with a door leading into the bank (possibly associated with one of the historical uses of the site).

7.2 Topography and Drainage

The site generally slopes towards the north and the east in some parts, with level differences of 5m+ from the south, falling towards the north/north-east.

In the southern part of the site, the car parking is on two different levels separated by a steep wooded bank and in parts a brick/stone retaining wall (approximately 3m high). Parts of the retaining wall are noted to be in poor condition.

7.3 Vegetation

The site is heavily vegetated around the site boundary along the south with numerous semi-mature to mature trees and there are also some overgrown banks between the car park to the south and towards the east of the site, including a number of semi-mature trees.

7.4 Buildings and Land Use on Site and Nearby

The site itself, is currently used by a car dealership and as a car park, with no buildings present on site.

The site is located within a generally industrial/commercial/retail area with various warehouses, a retail park, factories and car dealerships. A scrap metal company is also located along the western half of the southernmost boundary of the site.

7.5 Inaccessible Site Areas

Most areas of the site were accessible during the site walkover, however, due to dense vegetation some areas were not easily visible.

7.6 Site Photographs

A series of photographs showing the site is included in Appendix B.

C PRELIMINARY SITE MODELS

8 Conceptual Engineering Geological Ground Model

From the desk study information and walkover undertaken at this site the following conceptual ground model has been formulated.

Data Source	Comments
Geology	The mapped geology at the site indicates superficial Glaciofluvial Deposits over Old Lawrence Rock and Pennine Lower Coal Measures Formation. Superficial Till deposits and Alluvial deposits are also mapped within close vicinity to the site. Some areas of made ground are considered likely, due to both the previous use for brick/tile manufacture (which could have included excavations) and apparent numerous redevelopment of the site with various buildings/structures. An intrusive ground investigation should be carried out to confirm the soil conditions beneath the site and provide parameters for foundation design.
Former Site Use	The site has a history of generally commercial/industrial land uses, including a clay brick and tile manufacturer, print works, iron works, garages and possibly a fuel filling station, and the site is currently used as a car park. Based on the site history, it is known that a brick field was present on and around the site which was likely to have included excavations which may have been infilled with unknown materials. Therefore, it is possible that the site may be underlain by a significant depth of Made Ground, which may provide low bearing capacities and provide issues with differential settlement. It is not recommended for new foundations to be placed within Made Ground materials. In addition, due to past developments and underground services there is the potential to encounter numerous sub-surface structures/obstructions beneath the site and a number of former site uses could have resulted in contamination of both soils and groundwater. If the site was used a fuel filling station, then it is possible that there may have been underground fuel tanks, which may still be in-situ.
Groundwater	The superficial and bedrock geologies mapped across the site are classified as Secondary A Aquifers and the site is recorded to have a high groundwater vulnerability, however the site is not located within a source protection zone. The depth of groundwater on site is unknown. No site specific groundwater monitoring has been carried out at this stage.
Surface Water	The nearest surface water feature is the River Roch located 42m north of the site. Surface water disposal should be carefully considered within the design.
Potential Geo-hazards	A significant depth of made ground may be encountered at the site, which may have low/variable bearing capacities and may be prone to differential settlement, evidence of which was noted across the car parking area. Possible shrinkage/swelling for clay soils within the superficial deposits, where present. Superficial sand and gravel soils or soft clays are prone to significant instability in open excavations. Additionally, very dense soils could prove difficult to penetrate during piling works. It is also possible that running sand might be experienced. There is the potential to encounter sub-surface structures beneath the site, associated with past developments. Numerous utility covers were observed on or adjacent to the site.
Other Comments	A Low UXO Risk has been determined for the site.

On the basis of the available information the geotechnical categorization for the proposed structure(s) is considered to fall within Geotechnical Category 2 – Conventional structure with no exceptional risk or difficult ground or loading conditions; Eurocode 7 Ref [16].

9 Conceptual Site Model

In the context of this report, the conceptual model summarises the potential pollutant linkages identified for the site and forms the basis of the risk assessment for the site. The preliminary model comprises the potential sources of contamination, receptors that could be harmed and exposure pathways identified from the desk study and walkover survey. These potential linkages form the basis upon which the investigation is designed and reported.

9.1 Potential Sources of Contamination

The site has a history of commercial/industrial land use and is located within an industrial/residential area.

A number of potentially contaminative uses have been identified, both on site and in the locality.

9.1.1 On-Site Sources

Potential Source	Potential Contaminants
Made Ground from past development/redevelopment of the site and infilled historic brick field	Heavy metals, asbestos, petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAH compounds), and possible land gases.
Historic Print Works	Heavy metals, petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAH compounds), volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs)
Historic Works/Factory	Heavy metals, petroleum hydrocarbons and polycyclic aromatic hydrocarbons (PAH compounds)
Historic Garage (potentially including a fuel filling station)	Heavy metals, petroleum hydrocarbons and polycyclic aromatic hydrocarbons (PAH compounds)
Parked Cars	Petroleum Hydrocarbons

As with any previously developed site, it is possible that the site is underlain by Made Ground. Such material may contain a wide range of contaminant, arising from the site itself or possibly from off-site sources where materials/soils have been imported onto the site. Given the site was formerly part of a brick works which has potentially been infilled with unknown materials, it is possible that a significant depth of Made Ground is present beneath the site. Depending on its composition, any deep made ground beneath the site could also be a potential source of land gases.

The site land use formerly included garages and potentially a fuel filling station. It is likely that spillages of liquids, fuels and chemicals may have occurred, but there is also risk of contamination from the inappropriate disposal of residues or faulty products and from the storage of materials. It is possible buried underground tanks may have been associated with the petrol filling station but at this stage we do not have any records of their presence on site, their condition or any decommissioning. A petroleum licencing search, from Greater Manchester Fire and Rescue Service, did not identify any evidence that petroleum spirit was stored at this address. This land uses can be considered potential source of contamination including heavy metals, petroleum hydrocarbons and PAH compounds.

The most recent site use has been for car parking, therefore there is the potential for small, localised oil or fuel leaks/spills. The car parking area is hard covered and any contamination due to this source is likely to be minor and localised.

Considering the proposed development appears to be largely hard covered it is not considered likely there would be any direct contact of significant contamination with the proposed end users. However, there is a potential risk to site workers during any groundwork stages of the development and also a risk to proposed underground services, structures and the underlying aquifers. The risk to the subject site from historic and current land uses is considered low to moderate at this stage in the context of the continued commercial use proposed.

In addition, considering the site history (including brick/tile manufacture), there could potentially be infilled ground with a significant depth of Made Ground beneath the site, therefore there is considered to be a potential risk from ground gases depending on the nature of the materials present.

9.1.2 Off-Site Sources

The site may be impacted by contamination migrating from beyond the site boundary. The following potential off-site sources have been identified.

Potential Source	Distance from Site Boundary	Direction	Potential Contaminants	Likely hazard to Site
Various commercial/industrial land uses (including brick works, iron/brass works, timber yard, smithy's, brewery, garages, joinery works)	0m+	All	Heavy metals, petroleum hydrocarbons, PAH compounds, VOCs/SVOCs.	Low to moderate
Scrap metal works (historic & current)	0m	S	Heavy metals, petroleum hydrocarbons, PAH compounds	Low
Allotments	0m	S	Heavy metals, Herbicides/pesticides	Negligible to very low
Potentially infilled land	0-115m	South & South-east	Heavy metals, petroleum hydrocarbons, PAH compounds, land gases	Low to moderate

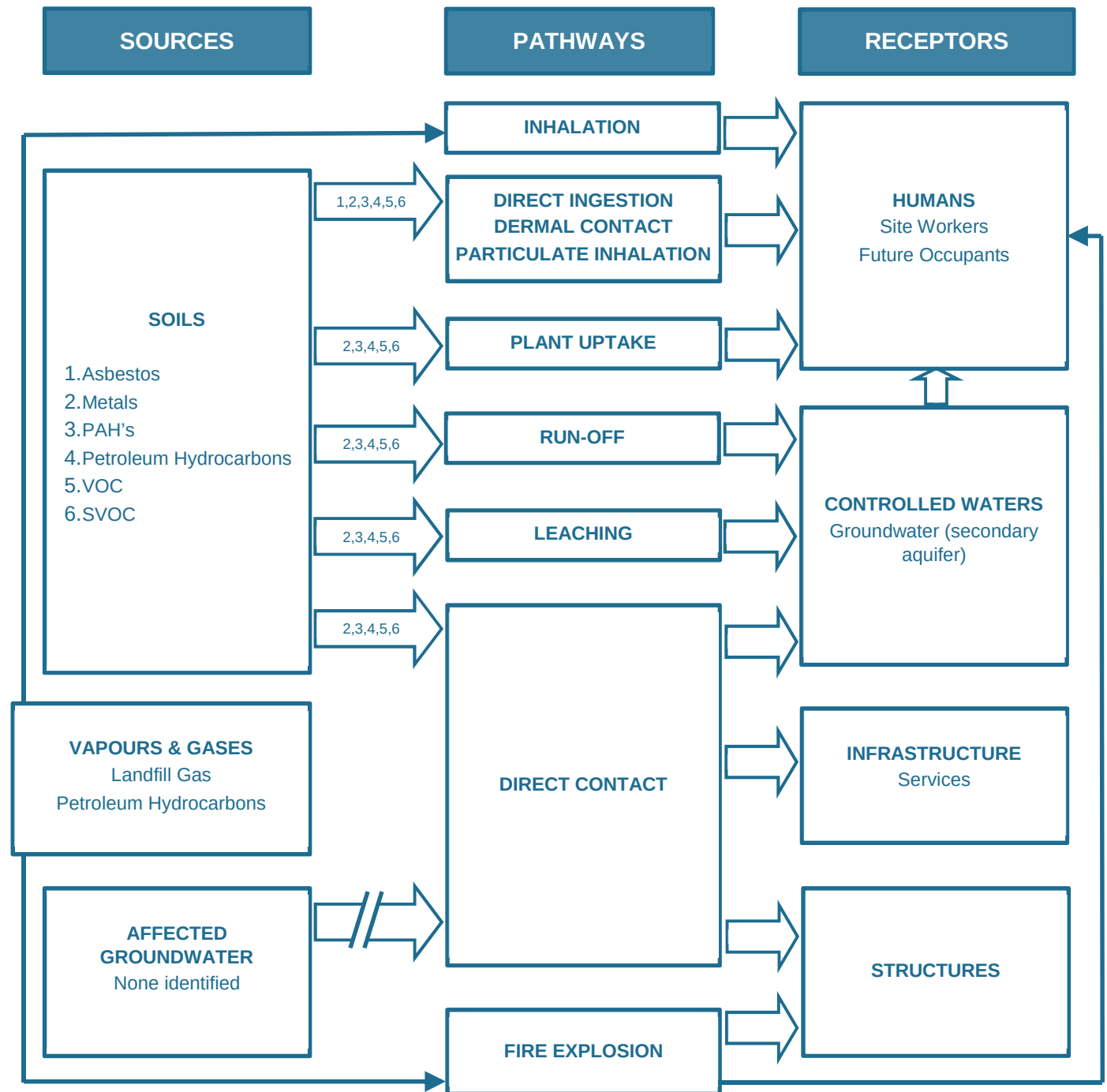
Historically, there have been various commercial/industrial land uses in the surrounding area. These land uses are considered potential sources of potentially mobile contamination. The site is anticipated to be underlain by potentially permeable soil, in places, which means there is a potential pathway for contaminants arising from these sources to migrate on to the subject site.

In the late 1950s there were allotment gardens adjacent to the southern-most site boundary. It is possible that herbicides/pesticides could have been used or stored on the site, although these are likely to be in relatively small quantities and considered a low risk at this stage.

In addition, there is an area of potentially infilled land adjacent to the southern boundary and a further area located 115m east, related to historic sand, gravel and clay pits. Given the relatively large size of the pits and the potential for a significant depth of unknown fill material this is also considered a potential source of ground gases as well as a range of general contaminants which could migrate to the site.

9.2 Pollutant Linkages and Conceptual Site Model Summary

The following diagram shows the potential pollutant linkages identified for the site and summarises the preliminary conceptual model:



// Denotes potential pollutant linkage not complete.

10 Conclusions and Recommendations

The site is currently a car parking area and it is proposed to construct a new McDonalds, together with associated car parking and a drive-thru lane. There are areas of proposed soft landscaping around the perimeter of the site.

Based on the Desk Study search and walkover survey carried out on the site, the overall risk of on-site contamination associated with both historical and current land use is considered low to moderate, in the context of the proposed commercial use of the site. Furthermore, the risk of off-site contamination migrating on to the subject site from contemporary sources is also considered low to moderate.

Where there is proposed hard covering (i.e. parking, buildings etc.) there would not be any direct contact of contamination with proposed end users as the Source-Pathway-Receptor pollutant linkage is broken by the permanent hard barrier. Where soft landscaping is proposed there is considered to be a potential pathway to the proposed end users.

There is also a potential risk to site workers during the groundwork stages of the development and also a risk to proposed services, structures and the underlying aquifers.

A Phase II intrusive investigation is recommended to assess the contamination risk for the site. In order to assess the risk it is recommended that the investigation includes sampling and testing of any Made Ground, the underlying natural soils and groundwater. Chemical analysis, including asbestos screening, of the samples should be carried out in order to determine the nature and extent of any contamination on the site, and whether there is a need for any remedial works or additional assessment. In addition, the laboratory testing should be used to determine waste classifications etc. The intrusive investigation can be integrated to include assessment for both geotechnical design purposes if required.

A potential risk from ground gases has also been identified due to potentially infilled land both onsite and in the near vicinity. Therefore, ground gas monitoring should be carried out within the location of the building to better assess the gas risk.

A planning application search indicated that the site may have been used as a petrol filling station which means it is possible that there may have been buried fuel tanks and if so these may remain beneath the site and may represent a risk of hydrocarbon contamination. A petroleum licencing search, from Greater Manchester Fire and Rescue Service, did not identify any evidence that petroleum spirit was stored at this address.

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- [16] BSI Standards, "Eurocode 7 Geotechnical Design," 2013.



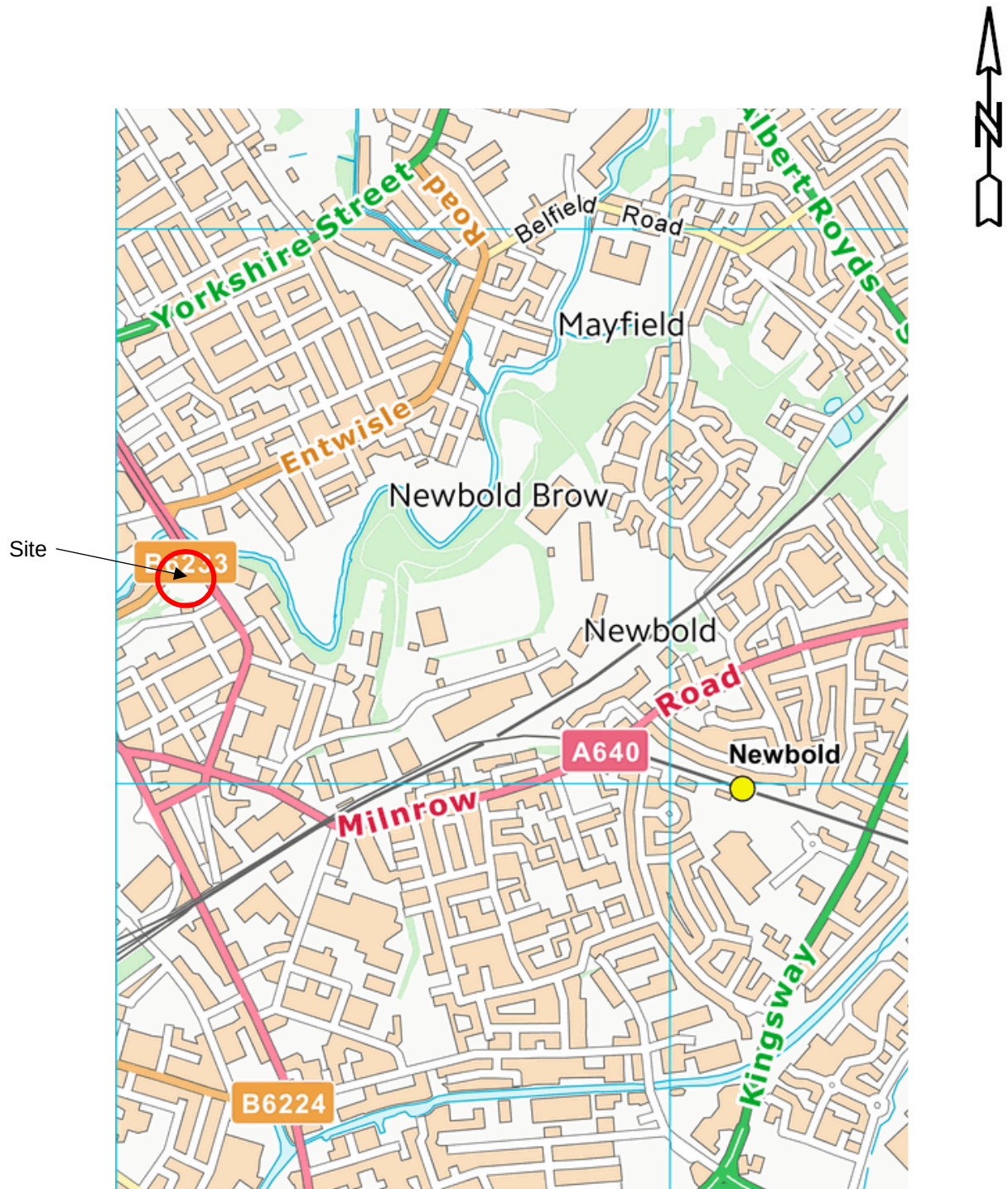
Southern Testing
Environmental & Geotechnical

ST Consult
Environmental & Geotechnical

APPENDIX A

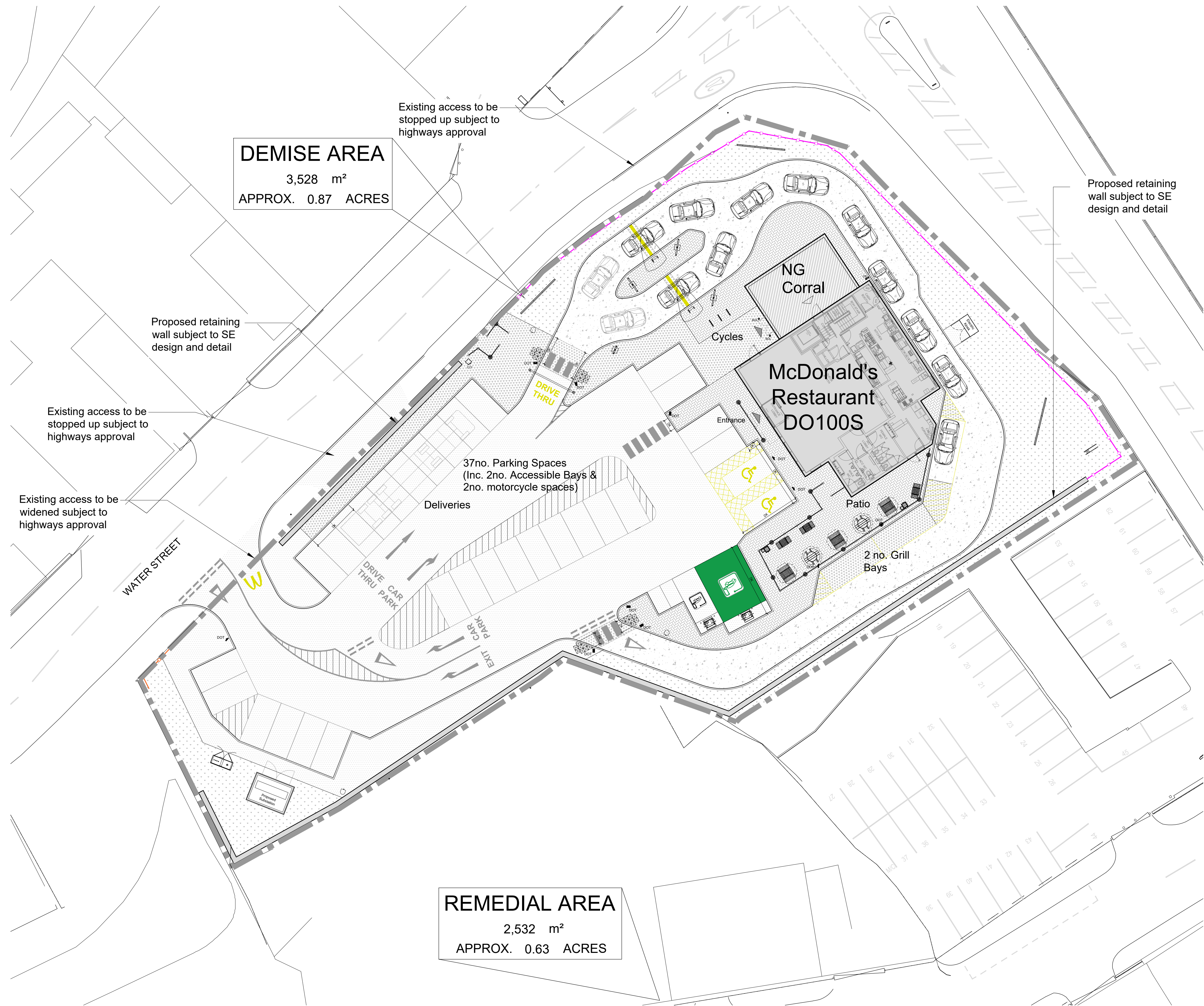
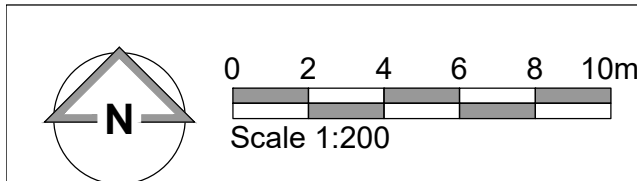
Site Plans





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Site:	Molesworth Street, Rochdale, OL16 1TQ	Project ID	J15721
Figure 1	Site Location Plan	Date:	09/05/2024



DEMISE AREA

3,528 m²

APPROX. 0.87 ACRES

Existing access to be stopped up subject to highways approval

Proposed retaining wall subject to SE design and detail

Existing access to be stopped up subject to highways approval

Existing access to be widened subject to highways approval

REMEDIAL AREA

2,532 m²

APPROX. 0.63 ACRES

Patio Aubliam Furniture Schedule	
Circular Table - 4 Seat 1600mm Ø (H 780mm) Galvanised steel frame with laminated timber effect finish	
Rectangular Table - 8 Seat 600mm x 2400mm (H 780mm) Galvanised steel frame with laminated timber effect finish	
Rectangular Table - 4 Seat 1250mm x 1450mm (H 780mm) Galvanised steel frame with laminated timber effect finish	
Rectangular Table - 2 Seat 700mm x 1450mm (H 780mm) Galvanised steel frame with laminated timber effect finish	
Trash Bin 482 x 482mm (H 1217mm). Galvanised steel frame with laminated timber effect finish	
Ash Bin 297 x 297mm (H 891mm). Galvanised steel frame with laminated timber effect finish	
Parasol 2.1 m Octagonal Parasol (black canopy with white McDonald's text)	

General Site Proposal Notes:
DOT denotes Department of Transport Signs. For Signage type refer to AEW drawing no. 13484_AEW_2285_0000
DK denotes drop kerb to be installed
All drive thru related road markings to be in yellow thermoplastic material
Car park related road markings to be in white thermoplastic material
Standard parking bays to be finished in white thermoplastic material
All junction road markings to be lined in white thermoplastic material
Accessible parking bays to be lined in yellow thermoplastic material to current Part M standards with relevant DOT signage and drop kerbs as indicated
Parked order bays to be lined in yellow thermoplastic material with relevant DOT signage
All pedestrian crossings set out in white thermoplastic material. Tactile paving where crossing leads to safe destination
Drop kerbs to be installed along delivery routes

Proposed retaining wall subject to SE design and detail

NOTES

- All dimensions and levels are to be checked on site.
- Any discrepancies are to be reported to the architect before any work commences.
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- All works are to be undertaken in accordance with Building Regulations and the latest British Standards.
- All proprietary materials and products are to be used strictly in accordance with the manufacturers recommendations.

CDM 2015

Client notified of duties: **At Design Workshop**

Principal Designer: **CSS**

Unless noted below, all known hazards have been highlighted on the drawing:

Drawing based on:

- Glanville's Topographical Site Survey, Drawing no. 4230334/4101, Dated: June 2024
- OS Map

McDonald's Demise Boundary Indicated:

Proposed Schedule of Parking	
Accessible Bays	02
Grill Bays	02
Motorcycles Bays	02
Courier Bays	03
EYCP Bays	02
General Bays	26
Total Parking Bays	37

Schedule of Areas	
Proposed Site Area (Hectares)	0.3518
Proposed Building (GEA / m ²) (Excluding Corral)	474

Proposed Site Finishes	
Tarmacadam - Car Park	
Imprinted concrete - As entrained concrete with full layer works, hardening agent and curing system; through-colour concrete grey, random cobble pattern. Drive Thru Lane	
Marshalls 200x100 Charcoal Keyblock Paving - Patio	
Tarmacadam - Footpaths	
Turf & low level shrubs - Soft Landscaping	
Brushed concrete - DT lane where road markings and delivery route	
Coated bollards Painted Black	
Tactile Blister Paving	
Target Bin	
LP Denotes Lamppost	
150mm Diameter stainless steel protective bollard	
Proposed 1100MM Close Boarded Timber Fence	
Proposed 900mm Timber knee rail fence	
Proposed Retaining Wall	

B	15/08/2024	HF	TSS
Proposed Building GEA updated			
A	09/08/2024	HN	TSS
Boundary extended, Annotation & Key updated			
-	16/07/2024	HN	TSS
Initial issue			

REV	Date	Drawn by -	Checked by -
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Status	Purpose of Issue
--------	------------------

S2	For Information
----	-----------------

drawing stage	Planning
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client

McDonald's Restaurants Ltd

project store

MOLESWORTH STREET, ROCHDALE 2285

drawing title

Proposed Site Plan

date	12/07/2024	drawn	HN
scale@A1	1:200	checked	TSS

PLANNING

Proposed Site Plan

Rev

B

13484_AEW_2285_0004

Job No

aeu architects
0161 214 4370
www.aeuarchitects.com



aeu

KEY TO LANDSCAPE PROPOSALS

Existing Site

- Existing Trees to be Retained**
- Existing trees located off site to be retained and protected from damage during construction

Proposed Planting Details

All areas of new landscaping to have the existing topsoil and subsoil decompacted by hand digging or rotorvator. If any imported topsoil is required it should be placed to a depth of 450mm minimum in shrub beds and be free of weeds or any detritus/stones larger than 50mm.

Planting should take place during the dormant planting season ie 1st October to 28th February. Tree planting shall be implemented as per British Standard 8545 (Trees: from nursery to independence in the landscape - Recommendations).

Grassland Verges

Areas of grassland to be established in landscaped verges around the site. Cultivate and grade soil, bring top 150mm to a fine tilth, rake and bring to given levels, remove all stones and debris over 50mm, lay turf in stretcher bond, firm turves using wooden turf beater.

- Species Rich Turf (453m²)**
- New areas of grass verge to be established using Species Rich Turf supplied by wildflowerurf.co.uk (or similar approved)

Specimen Tree Planting

Heavy Standard specimen trees planted in locations indicated as per the following specification:

Excavate tree pit 750mm x 750mm x 600mm deep (or larger to suit root ball), backfill topsoil mixed with 80 litres of peat free compost and secure tree in an upright position with a single timber stake and rubber tie and spacer.

- Specimen Tree Planting (6 no.)**
- 3.0-3.5m high, 12-14 cm girth Heavy Standard root balled trees (supplied by Barcham Trees or similar approved) to be pit planted as per above specification in locations shown
- 3 x Acer campestre (Field Maple) - Ac
3 x Sorbus aria (Whitebeam) - Sar

Tree Pits & Support

Diameter and depth of tree pit to be dependant on the size of the rootball. Minimum size 900 x 900 x 750 deep

- 1 No synthetic tie (100mm below top of stake)
- 1 No 75mm dia, softwood FSC stake, sharpened and knocked approx 1.0m into the soil until secure
- 300mm topsoil
600mm subsoil

Ornamental Shrub Planting

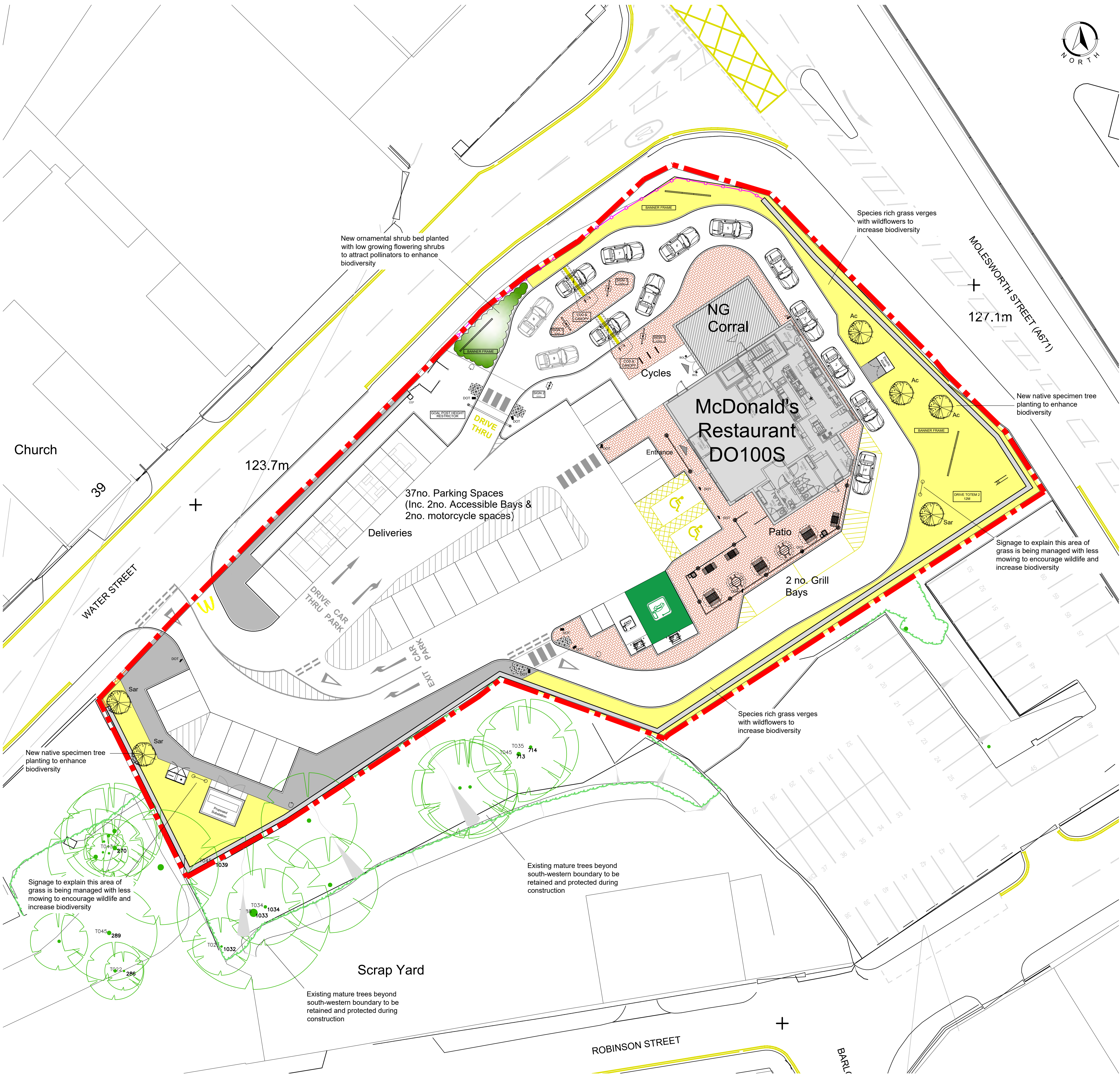
Areas of shrub planting for ecological enhancement to be planted in groups around the perimeter of the site. Cultivate and grade soil, bring top 150mm to a fine tilth prior to planting.

- Shrubs (26m²)**
- Shrubs to be pit planted 4 per m². Planted to provide colourful, groundcover with ecological value. All plants to be 5 litre pot grown stock, planted in random groups of 5, 7 or 9 plants of same species throughout the planting bed. 160 plants in total
- Euonymus fortunei 'Emerald Gaiety' x 30no.
Brachyglottis 'Sunshine' (Senecio) x 30no.
Ceanothus 'Blue Mound' (Californian lilac) x 30no.
Hypericum 'Hidcote' (St John's Wort) x 25no.
Lavendula angustifolia 'Hidcote' (Lavender) x 25no.
Pachysandra terminalis (Green Carpet) x 20no.

Proposed Surfacing

Refer to Architects drawing for full details of all new surfacing

- Pedestrian Circulation**
- New tarmacadam surfaced footways
- Pedestrian Circulation**
- New block paving surfaced footways



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Notes:

This drawing is based on:

- 13484_AEW_2285_0004_Proposed Site Plan, by AEW dated 16.07.24

Biodiversity Signage

Signboards to be located within wildflower meadow area to explain the grass is being mown less often to create a wildflower meadow to attract pollinators and wildlife to increase the biodiversity of the site



Rev	Date	Description	Drawn	Checked
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Client

McDonald's

Project

Proposed New Drive Thru
Molesworth Street
Rochdale

Title

Landscaping Scheme

Drawing Status

FOR PLANNING APPROVAL

Drawn	MB	Checked	LB
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Date	29.07.24	Scale (A1)	1:200
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Environmental Consultants to the Construction Industry
BREAM - Code for Sustainable Homes Assessors - Landscape Architecture - Transportation
Life Cycle Costing - Energy Assessment - SAP - BPC - SBEM - Daylight Calculations

Job Number	Drawing Number	Rev
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A6748	01	
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APPENDIX B

Photographs

B



Northern most corner of the site, looking south-west.



View from north-eastern site boundary, looking south-west.



View of car park from rear of Kia garage, looking south-west.



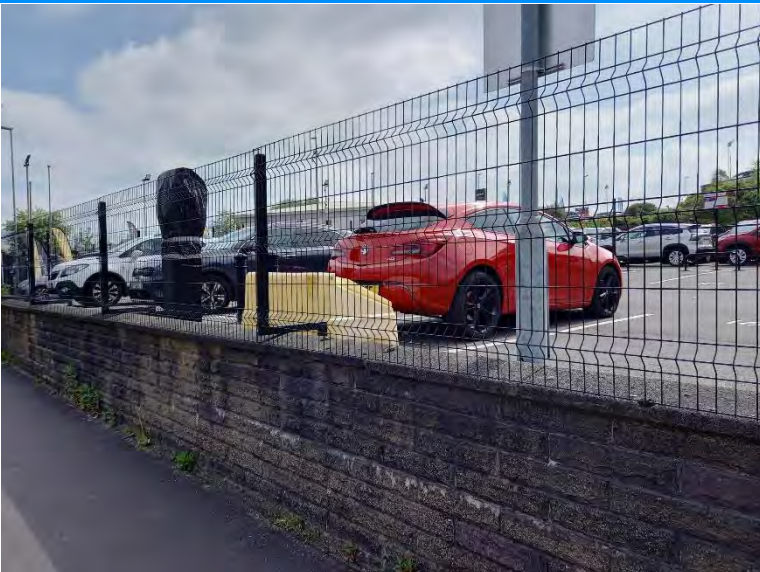
Vehicle parking behind Kia garage, looking south.



View of car park from rear of Kia garage, looking south.



View of car park from entrance, looking north.



North-western site boundary from water street, looking east.



Car park entrance from Water Street, looking west.



Retaining wall at south of site.



Retaining wall at south of site.



Retaining wall at south of site.



Retaining wall at south of site.

APPENDIX C

Preliminary UXO Risk Assessment



Preliminary Unexploded Ordnance (UXO) Risk Assessment

Project Name	Molesworth Street, Rochdale
Client	Southern Testing Limited
Site Address	Site Address
Report Reference	PA19968-00
Date	8 th May 2024
Author	HJ
Quality Assurance	AT

1st Line Defence

3 Maple Park, Essex Road, Hoddesdon. EN11 0EX

Tel +44 (0) 1992 245 020 Email info@1stlinedefence.co.uk

Web www.1stlinedefence.co.uk Company Reg No. 07717863



1ST LINE DEFENCE



Assessment Objective

This preliminary unexploded ordnance (UXO) risk assessment is a qualitative screening exercise to assess the likely potential of encountering UXO at the Molesworth Street, Rochdale site. The assessment involves the consideration of the basic factors that affect the potential for UXO to be present at a site as outlined in Stage One of the UXO risk management process.

Background

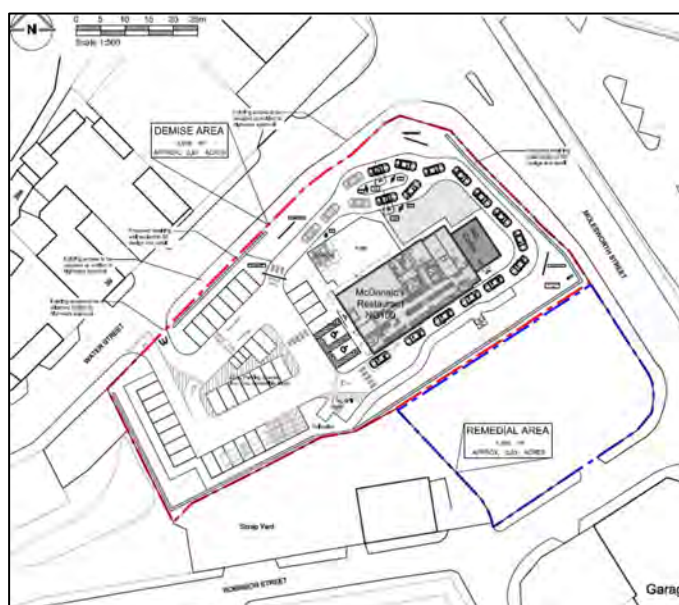
This assessment uses the sources of information available in-house to 1st Line Defence Ltd to enable the placement of a development site in context with events that may have led to the presence of German air-delivered or Allied military UXO. The report will identify any immediate necessity for risk mitigation or additional research in the form of a Detailed UXO Risk Assessment. It makes use of 1st Line Defence's extensive historical archives, library and unique geo-databases, as well as internet resources, and is researched and compiled by UXO specialists and graduate researchers.

The assessment directly follows CIRIA C681 guidelines "Unexploded Ordnance, a Guide for the Construction Industry". The document will therefore assess the following factors:

- Basic Site Data
- Previous Military Use
- Indicators of potential aerial delivered UXO threat
- Consideration of any Mitigating Factors
- Extent of Proposed Intrusive Works
- Any requirement for Further Work

It should be noted that the vast majority of construction sites in the UK will have a low or negligible risk of encountering UXO and should be able to be screened out at this preliminary stage. The report is meant as a common sense 'first step' in the UXO risk management process. The content of the report and conclusions drawn are based on basic, preliminary research using the information available to 1st Line Defence at the time this report was produced. It should be noted that the only way to entirely negate risk from UXO to a project would be to support the works proposed with appropriate UXO risk mitigation measures. It is rarely possible to state that there is absolutely 'no' risk from UXO to a project.

Site Boundary



Risk Assessment Considerations	
Site location and description/current use	The site is located within the centre of Rochdale in Greater Manchester. According to recent aerial photography, the site is currently occupied by hardstanding ground, currently in use as a car park. Bordering the north and east of the site are Water Street and Molesworth Street, respectively. To the south and west of the site are further areas of hardstanding ground with small portions of foliage between them. The site is approximately centred on the OS grid reference: SD 90117 13367.
Are there any indicators of current/historical military activity on/close to the site?	In-house records do not indicate that the site footprint had any former military use. No features such as WWII defensive positions, encampments or firing ranges are recorded to have been located at the site. In addition, no information of ordnance being stores, produced, or disposed of within the proposed site boundary could be found. Although the closest Heavy Anti-Aircraft (HAA) batteries were situated approximately 8.9km to the south-west of the site, the range of a fired projectile can be up to 15km. The conditions in which unexploded anti-aircraft ordnance may have fallen unrecorded are analogous to that of aerial delivered German bombs - see the sections below for further information.
What was the pre- and post-WWII history of the site?	Pre-WWII OS mapping, dated 1938, shows that the site was occupied by portions of large structures in the east and west of the site with another structure located along its northern border. Dividing these structures were <i>Berry Street</i> and <i>Barlow Street</i>. Bordering the north and east of the site were <i>Water Street</i> and <i>Molesworth Street</i>, respectively. To the south of the site are a collection of smaller structures and to the west of the site is the continuation of the large structure which crosses into the site's western boundary. Post-WII OS mapping, dated 1956, indicates that the structure located along the northern boundary of the site was cleared, as well as some smaller structures to the north of the site. The remainder of the site and its immediate surroundings show no obvious indications of change.
Was the area subject to bombing during WWII?	During WWII the site was situated within the County Borough of Rochdale, which according to official Home Office bombing statistics sustained an overall very low density of bombing. This comprised only 4 HE bombs, within an area of 9,556 acres, or an average of 0.1 items of ordnance recorded per 1,000 acres. No evidence could be found at this preliminary stage to suggest that these four bombs were located within close proximity to the site. Online information suggests that bombs fell in Holborn Street and Manchester Road.¹ Other online information confirms this and that bombs fell in Belfield and Norden on later dates.²
Is there any evidence of bomb damage on/close to the site?	When comparing pre- and post-war OS mapping of the site, there is clearance shown within the site boundary and to the north of it, which could be an indication of bomb damage. Given the very small amount of bombing the town received, this change is not thought to be related to bomb damage.
To what degree would the site have been subject to access?	As the site was occupied by several large structures during the war, it is believed likely that the site would have been subject to frequent access.

¹ <https://www.manchestereveningnews.co.uk/news/local-news/the-1940s-1145220>

² <https://www.pressreader.com/uk/rochdale-observer/20160109/281513635141129>

To what degree has the site been developed post-WWII?	The structures which were located on site have been removed and hardstanding ground was laid in their place.
What is the nature and extent of the intrusive works proposed?	The nature and extent of works proposed was not available at the time of writing.

Summary and Conclusions

During WWII the site was situated within the County Borough of Rochdale, which sustained an overall very low density of bombing according to official Home Office bombing statistics comprising an average of 0.1 items of ordnance per 1,000 acres, with just 4 HE bombs recorded within the borough.

No evidence could be found at this preliminary stage to suggest that these four bombs were located within close proximity to the site. Online information suggests that bombs fell in Holborn Street and Manchester Road. Other online information confirms this and that bombs fell in Belfield and Norden on later dates.

Recommendations

Given the findings of this preliminary report, the risk from UXO is not considered to be higher than the 'background risk' of finding UXO in this part of the UK. Whilst it would be possible to conduct a Detailed UXO Risk Assessment for this site, it is not anticipated that any further findings would significantly alter the risk of encountering unexploded ordnance within the site. It is therefore recommended that **no further action** is taken.

If the client has any anecdotal or empirical evidence of UXO risk on site, please contact 1st Line Defence.

It should be noted that although the risk from unexploded ordnance on this site has been assessed as low/minimal, this does not mean there is 'no' risk of encountering UXO. This preliminary report has been undertaken with due diligence, and all reasonable care has been taken to access and analyse relevant historical information. By necessity, when dealing with historical evidence, and when making assessments of UXO risk, various assumptions have to be made which we have discussed and justified within this report. Our reports take a common-sense and practical approach to the assessment of UXO risk, and we strive to be reasonable and pragmatic in our conclusions. As referenced, it would be possible to undertake further research into this site, but based on the evidence to hand, this is not deemed strictly necessary, and no reasonably justifiable requirement for proactive on-site mitigation has been identified.

It should however be stressed that if any suspect items are encountered during the proposed works, 1st Line Defence should be contacted for advice/assistance, and to re-assess the risk as necessary. Furthermore, we would recommend that ground personnel are always made aware of the potential for encountering UXO, what to look out for and what to do in the unlikely event that a suspect item is encountered, and that a UXO Risk Management Plan is put together for the proposed works. We would be happy to provide a template and guidance for this – contact us on 01992 245020. Should the scope of works change or additional works be proposed, 1st Line Defence should be contacted to re-evaluate the risk.

This report has been prepared by 1st Line Defence Limited with all reasonable care and skill. The report contains historical data and information from third party sources. 1st Line Defence Limited has sought to verify the accuracy and comprehensiveness of this information where possible but cannot be held accountable for any inherent errors. Furthermore, whilst every reasonable effort has been made to locate and access all relevant historical information, 1st Line Defence cannot be held responsible for any changes to risk level or mitigation recommendations resulting from documentation or other information which may come to light at a later date.

This report was written by, is owned by and is copyrighted to 1st Line Defence Limited. It contains important 1st Line Defence information which is disclosed only for the purposes of the client's evaluation and assessment of the project to which the report is about. The contents of this report shall not, in whole or in part be used for any other purpose apart from the assessment and evaluation of the project; be relied upon in any way by the person other than the client, be disclosed to any affiliate of the client's company who is not required to know such information, nor to any third party person, organisation or government, be copied or stored in any retrieval system, be reproduced or transmitted in any form by photocopying or any optical, electronic, mechanical or other means, without prior written consent of the Managing Director, 1st Line Defence Limited, Unit 3, Maple Park, Essex Road, Hoddesdon EN11 0EX. Accordingly, no responsibility or liability is accepted by 1st Line Defence towards any other person in respect of the use of this report or reliance on the information contained within it, except as may be designated by law for any matter outside the scope of this report.

1st Line Defence

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Essex Road, Hoddesdon
Hertfordshire EN11 0EX

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Web www.1stlinedefence.co.uk



1ST LINE DEFENCE



Southern Testing
Environmental & Geotechnical

ST Consult
Environmental & Geotechnical

APPENDIX D

Coal Mining Report



D



The Coal
Authority

Consultants Coal Mining Report

Molesworth Street
Rochdale
Lancashire
OL16 1TL

Date of enquiry:	3 May 2024
Date enquiry received:	3 May 2024
Issue date:	3 May 2024

Our reference:	51003422219001
Your reference:	345391258_2



Consultants

Coal Mining Report

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

Client name

NLIS Hub

Enquiry address

Molesworth Street
Rochdale
Lancashire
OL16 1TL

How to contact us

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

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

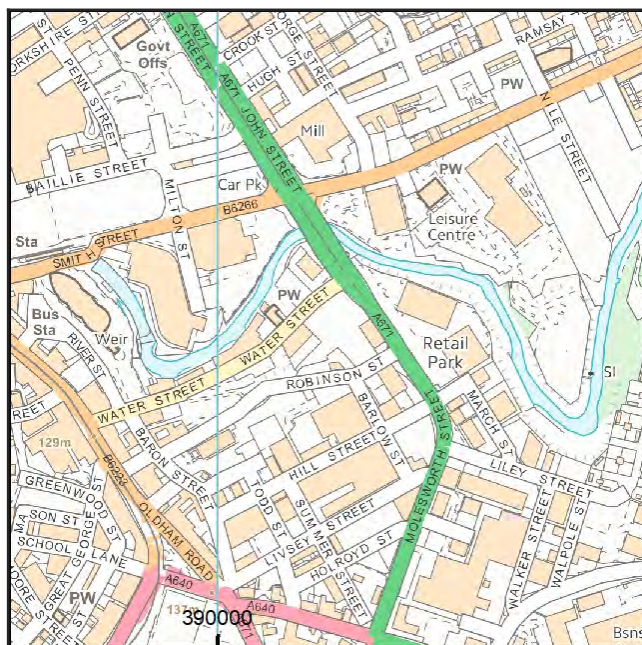
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Ordnance Survey Licence number: 100020315

Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

None available.

Outcrops

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

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

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

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

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

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

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

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

Withdrawal of support notices

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

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

Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

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

Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

Section 5 – Data definitions

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

Past underground coal mining

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

Probable unrecorded shallow workings

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

Spine roadways at shallow depth

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

Mine entries

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

Abandoned mine plan catalogue numbers

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

Outcrops

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

Geological faults, fissures and breaklines

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

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

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

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

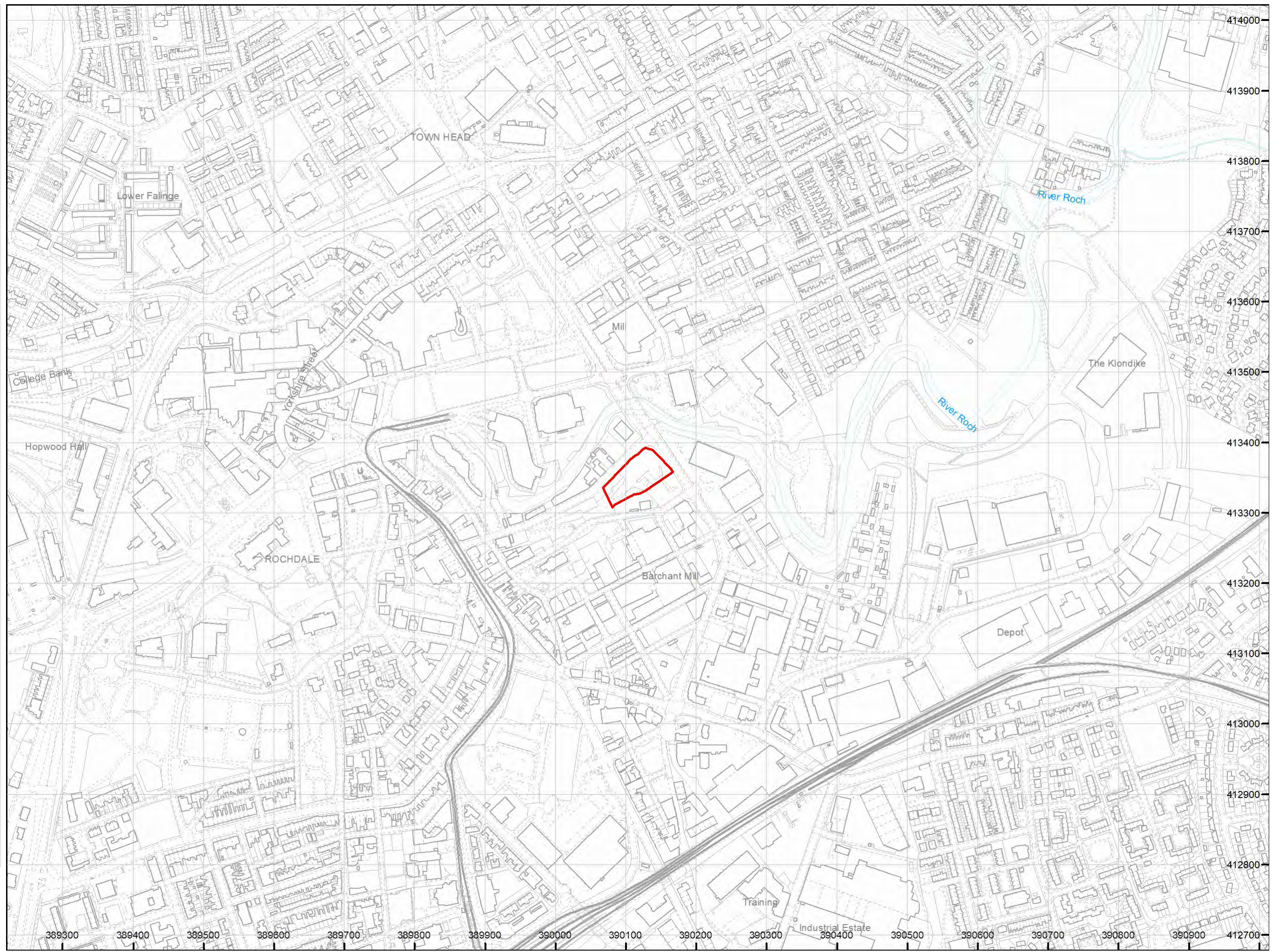
Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

Approximate position of the enquiry boundary shown 

How to contact us
0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com



APPENDIX E

Petroleum Licensing Search





**GREATER
MANCHESTER**
FIRE AND RESCUE SERVICE

Your Reference J15721
Our Reference PE1003693
Contact Nicola Leech
petroleum@manchesterfire.gov.uk

Chief Fire Officer
Dave Russel, BSc, MIFireE

Greater Manchester Fire and Rescue
Service
146 Bolton Road
Swinton
Manchester
M27 8US

Tel: 0161 736 5866
www.manchesterfire.gov.uk

Victoria Francis
Southern Testing Laboratories Ltd
Keeble House
Stuart Way
East Grinstead
RH19 7QA

20th November 2024

Dear Victoria Francis,

Request for historical petroleum storage information under the Environmental Information Regulations 2004

Re Site Address - Molesworth Street / Water Street, Rochdale OL16 1TL / OL16 1TS

I am writing on behalf of Greater Manchester Combined Authority (the Authority) which is the Fire Authority for Greater Manchester and the enforcing authority for the Petroleum (Consolidation) Regulations 2014 and the Dangerous Substance and Explosives Atmosphere Regulations 2002. Greater Manchester Fire and Rescue Service (GMFRS) carries out these functions on behalf of the GMCA.

The Authority has reviewed the site historical files and records for any past or current licensed storage of petroleum within the site address above. The review has not identified any evidence that petroleum spirit was stored at this address.

However, if whilst undertaking future works and at any time it becomes apparent to contractors that above or underground petroleum tanks are present, which may not have been rendered permanently safe, the Authority must be informed immediately.

Please be aware that disused petrol tanks that have been certified as having been made safe by the use of resin generated foam may still be in an unsafe condition. It has been proven that foam filled underground tanks may be dangerous if disturbed due to the foam degrading over time and the risk of ullage spaces in the tanks filling with explosive, flammable and hazardous atmospheres. Any work being carried out on or near to tank(s) or the tank removed, should only be carried out by people that are competent to carry out this type of work and who have the necessary skills and knowledge to take the appropriate precautions necessary to deal with potential flammable atmospheres.

It should also be noted that the Authority only took over responsibility for petroleum licensing in 1986. Prior to this date the licensing was carried out by the Local Authority Trading Standards. Whilst every endeavour has been made to search back, we cannot

guarantee that there was no storage prior to 1986. The Authority only has responsibility for petroleum and related products that are legally required to be licensed.

Any diesel tanks in the area would not have required notification, therefore no records of such tanks may be available.

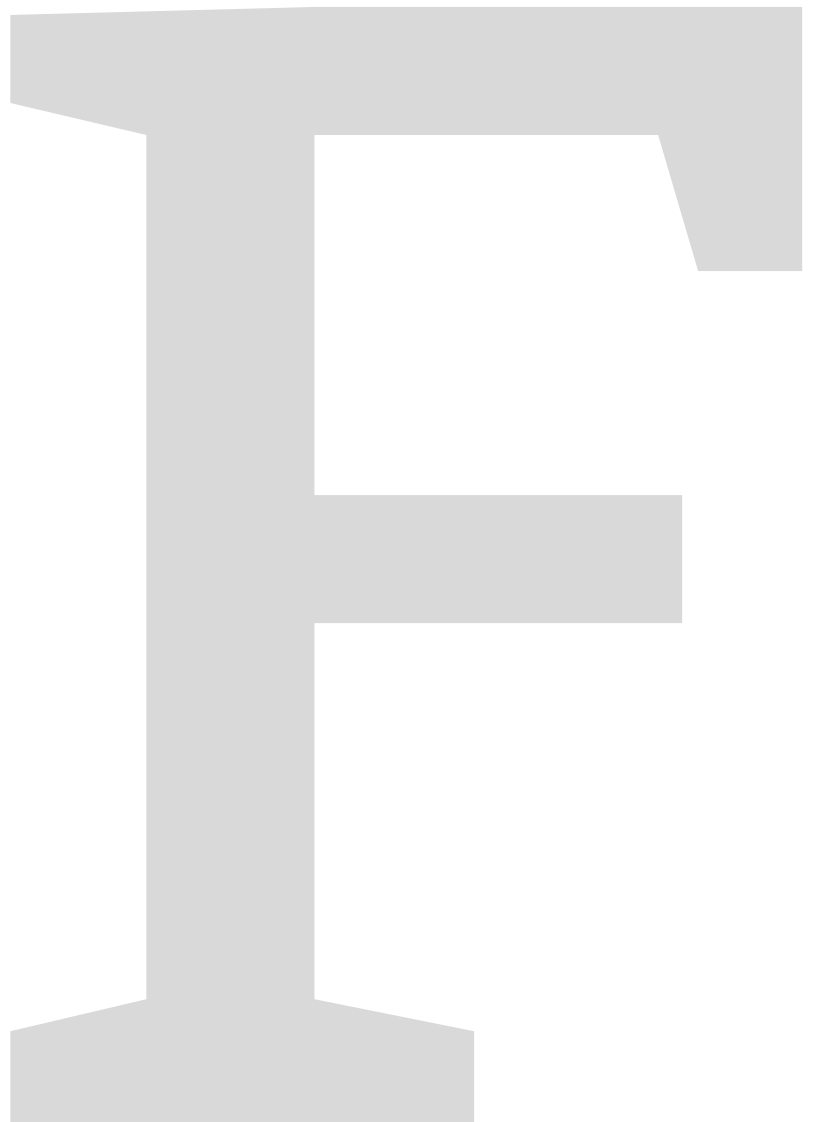
Yours sincerely,

A handwritten signature in cursive script, appearing to read 'N. Leech'.

Nicola Leech
Protection Manager – Investigations & Enforcement
Petroleum & Explosives Lead
Greater Manchester Fire and Rescue Service
on behalf of the Greater Manchester Combined Authority

APPENDIX F

Phase 1 Desk Study – Historical Mapping



Historical Ordnance Survey Map Interpretation				
Date	Scale	Features On Site	Features Off Site	Significant Potential Contamination Sources
1851	1:1056	The site is shown to be part of a brick field. On the north-eastern edge of the site is a print works.	The area to the south of the site is a brick field and sand pit. A further sand pit is located around 115m east of the site adjacent to the River Roch. To the north-west of water street is a timber yard and smithy.	Print works (onsite) Brickfield (onsite/offsite) Sand pits (offsite) Timber Yard (offsite) Smithy (offsite)
1891-1892	1:500	Most of the site now labels as part of 'Victoria Works' with chimneys a tanks indicated across the site. Possible terrace of residential houses along north-eastern boundary.	Smithy's now a spindle works. A couple of iron works and a brass works located around 50m south/south-east. A brewery located around 60m east. Saw mill/timber yard located around 60m north-east. Sand pit around 115m east of site now potentially infilled.	Potentially infilled brick field and sand pits (onsite & offsite) Works & tanks (onsite) Spindle works (offsite) Iron/Brass works (offsite) Brewery (offsite) Timber Yard (offsite)
1893	1:2500	No significant changes	No significant changes	
1910	1:2500	To south-western edge of site is a warehouse building. In the centre of the site is 'Victoria Iron Works' Possible terrace of residential houses along north-eastern boundary.	Timber yard no longer shown. Numerous industrial building including iron works, cotton waste, milsl, mineral water factory, paper tube works, brewery. Possible pit/mining around 200m east of the site, the other side of the River Roch.	Iron works (onsite) Development (onsite) Industrial land uses (offsite)
1930	1:2500	Central building no longer labelled as works.	Timber yard just south of site. Still Numerous industrial building including iron works, cotton waste, mills, mineral water factory, paper tube works, brewery.	Timber Yard (offsite) Industrial land uses (offsite)
1958-1959	1:1250	Warehouse building now labelled as works.	Area adjacent to southernmost boundary is allotment gardens. Still Numerous industrial building now labelled as works, warehouse)	Unspecified works (onsite) Allotment gardens (offsite) Industrial land uses (offsite)
1959-1960	1:2500	No significant changes	No significant changes	
1974-1975	1:1250	Possible terrace of residential houses along north-eastern boundary. Larger buildings to the centre and south-western edge of site, both labelled as garage	Scrap metal works and joinery works to south of site. Garage to north of site. General industrial land uses (garages, mills, works, brewery). Pit around 200m east now potentially infilled and incinerator developed.	Garages (onsite & offsite) Scrap metal works (offsite) Joinery works (offsite) Industrial land uses (offsite) Potential infilled pit (offsite)

Historical Ordnance Survey Map Interpretation				
Date	Scale	Features On Site	Features Off Site	Significant Potential Contamination Sources
1975	1:1250	No significant changes	No significant changes	
1977-1983	1:1250	Row of terraced houses no longer shown.	No significant changes	Made ground from removal of housing (onsite) Garages (onsite & offsite) Scrap metal works (offsite) Joinery works (offsite) Industrial land uses (offsite)
1981-1987	1:1250	No significant changes	No significant changes	
1988-1989	1:1250	No significant changes	No significant changes	
1992	1:1250	No significant changes	No significant changes	
1993-1995	1:1250	No significant changes	No significant changes	
2000	Aerial Imagery	Building on the south-western third of the site. Remainder of site a car park with trees along the southernmost boundary	General industrial land use in surrounding area.	Made ground from removal of building & construction of car park (onsite) Industrial land uses (offsite)
2003	Google Aerial Imagery	No significant changes	No significant changes	
2005	Google Aerial Imagery	No significant changes	No significant changes	
2013	Google Aerial Imagery	No significant changes	No significant changes	
2017	Google Aerial Imagery	Building to west of site removed. Whole site is a car park.	No significant changes	
2018	Google Aerial Imagery	No significant changes	No significant changes	
2019	Google Aerial Imagery	No significant changes	No significant changes	
2020	Google Aerial Imagery	Whole site is still a car park. Looks to be newly resurfaced.	No significant changes	Made ground from removal of building & construction of car park (onsite)
2021	Google Aerial Imagery	No significant changes	No significant changes	

Historical Ordnance Survey Map Interpretation				
Date	Scale	Features On Site	Features Off Site	Significant Potential Contamination Sources
2022	Google Aerial Imagery	No significant changes	No significant changes	
2023	Google Aerial Imagery	No significant changes	No significant changes	

NOTE: Additional maps at 1:10,560 and 1:10000 scale of similar age have been obtained. These maps are appended but do not provide much additional information.

Lancashire And Furness

Published 1851

Source map scale - 1:1,056

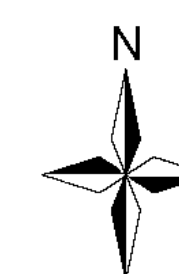
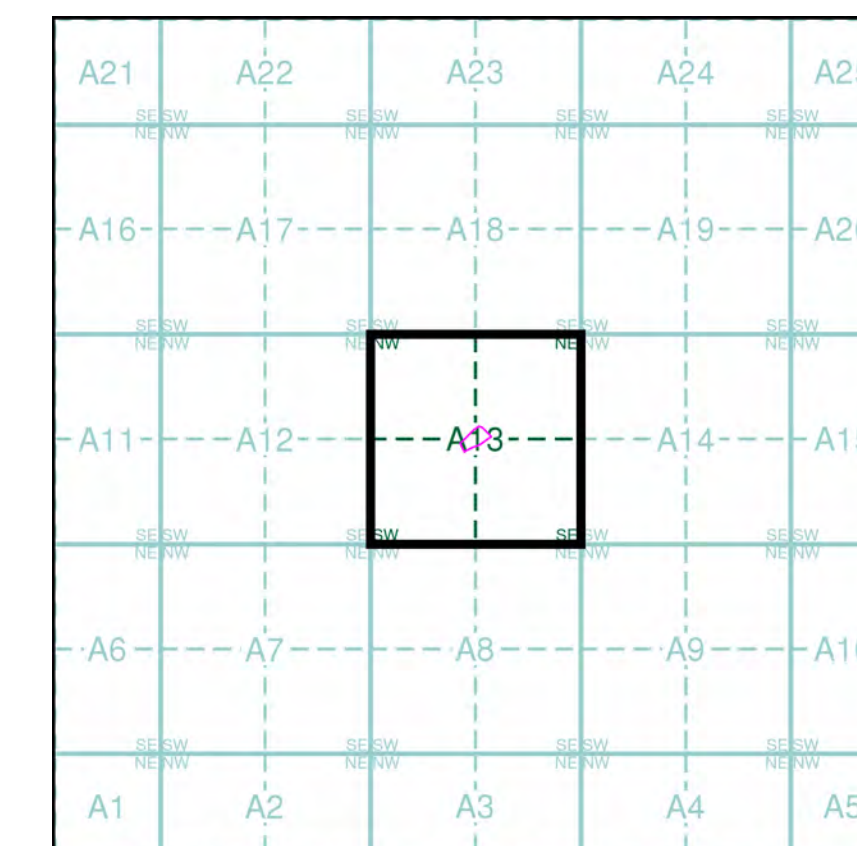
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the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

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

Map Name(s) and Date(s)

000_00_008 1851 1:1,056	000_00_009 1851 1:1,056
000_00_011 1851 1:1,056	000_00_012 1851 1:1,056

Historical Town Plan - Segment A13

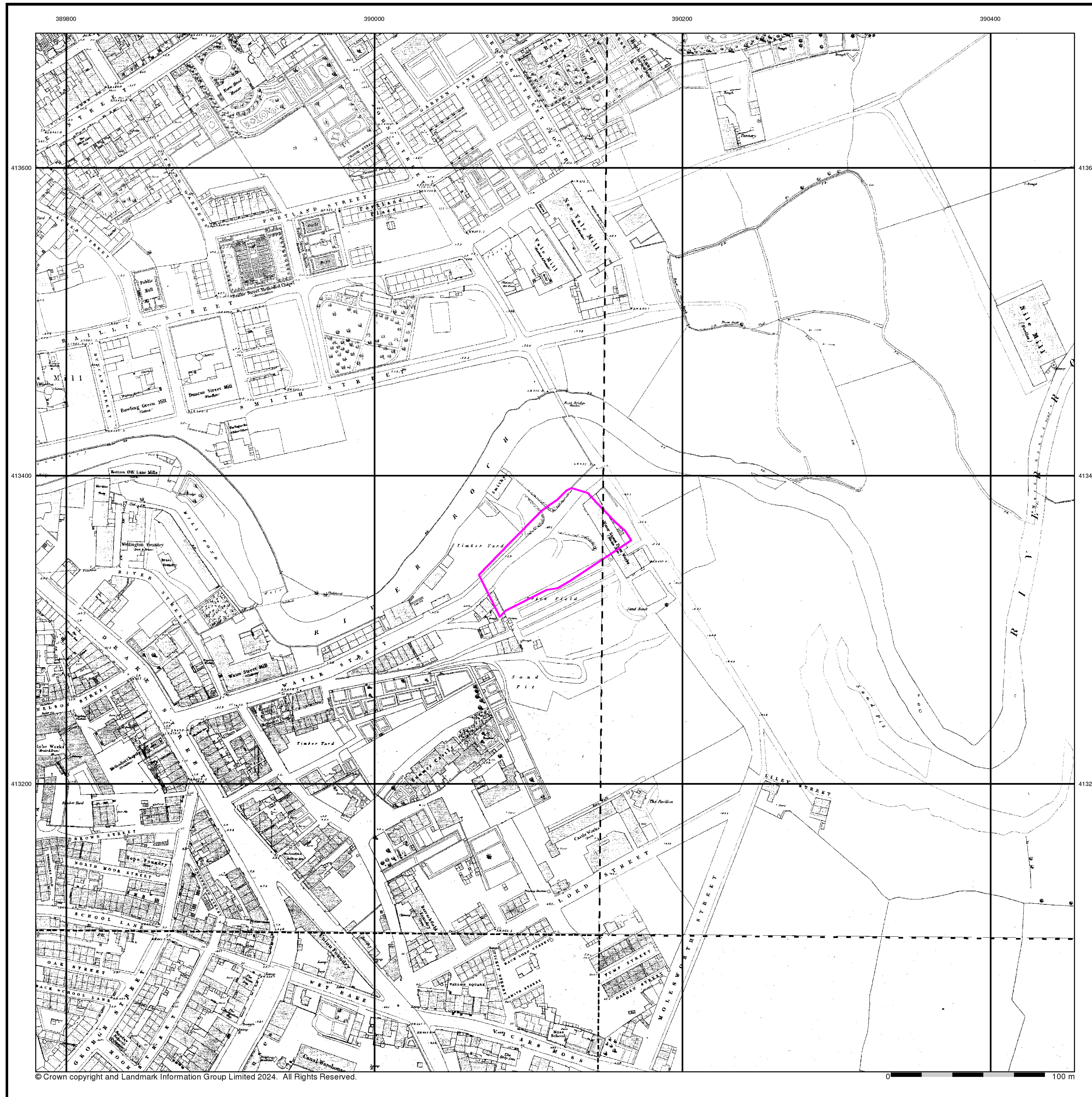


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 0

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



Lancashire And Furness

Published 1891 - 1892

Source map scale - 1:500

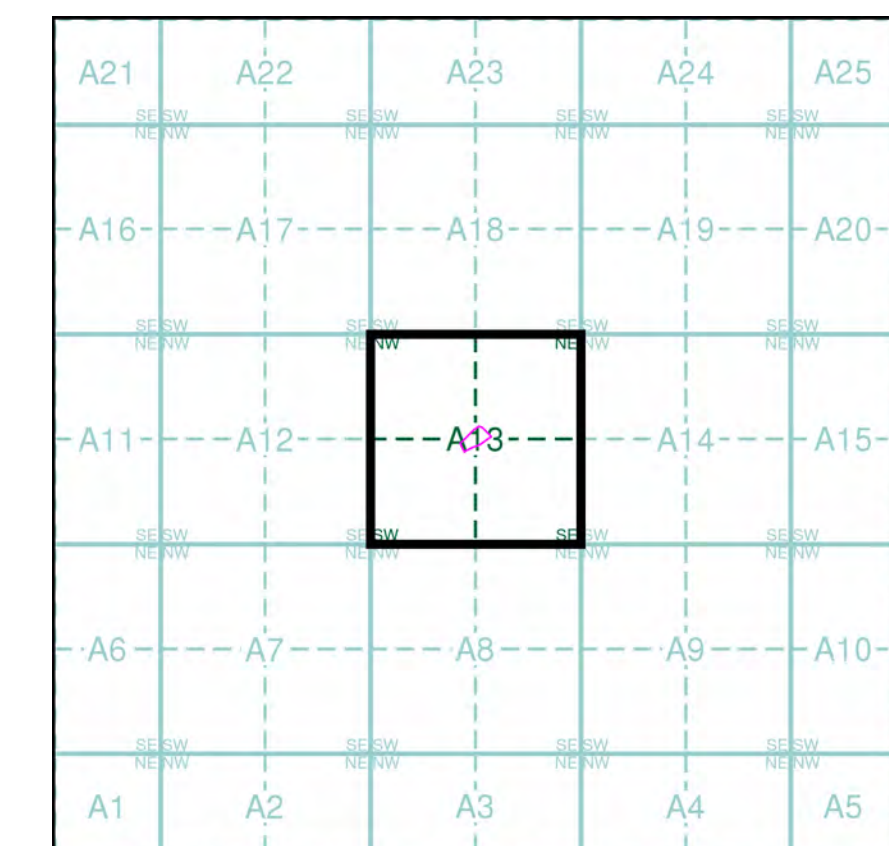
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to complement the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped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

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

Map Name(s) and Date(s)

	089_01_012	089_01_013	
	1891	1892	
	1:500	1:500	
089_01_016	089_01_017	089_01_018	
1892	1892	1892	
1:500	1:500	1:500	
089_01_021	089_01_022	089_01_023	
1892	1892	1892	
1:500	1:500	1:500	

Historical Town Plan - Segment A13

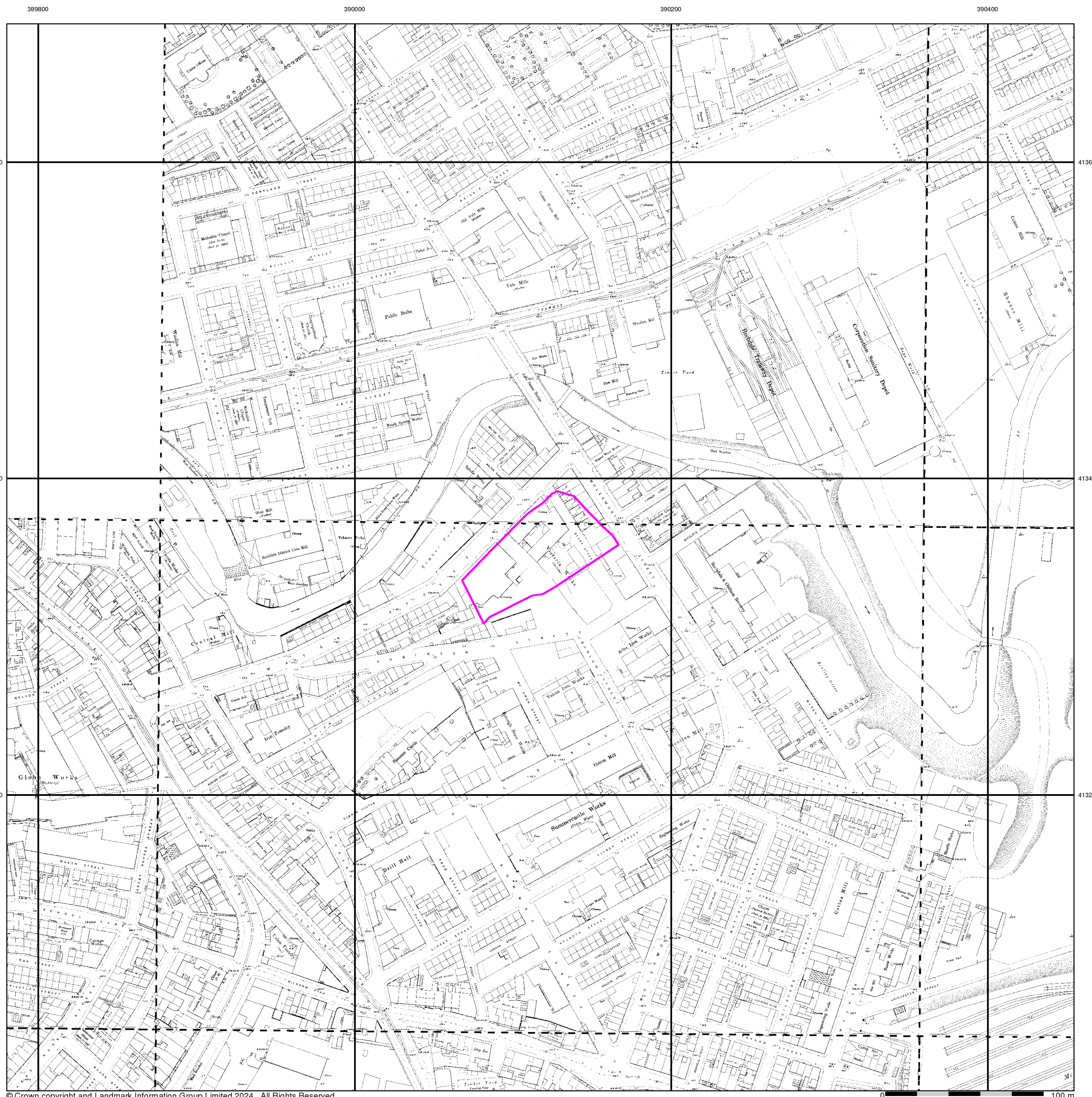


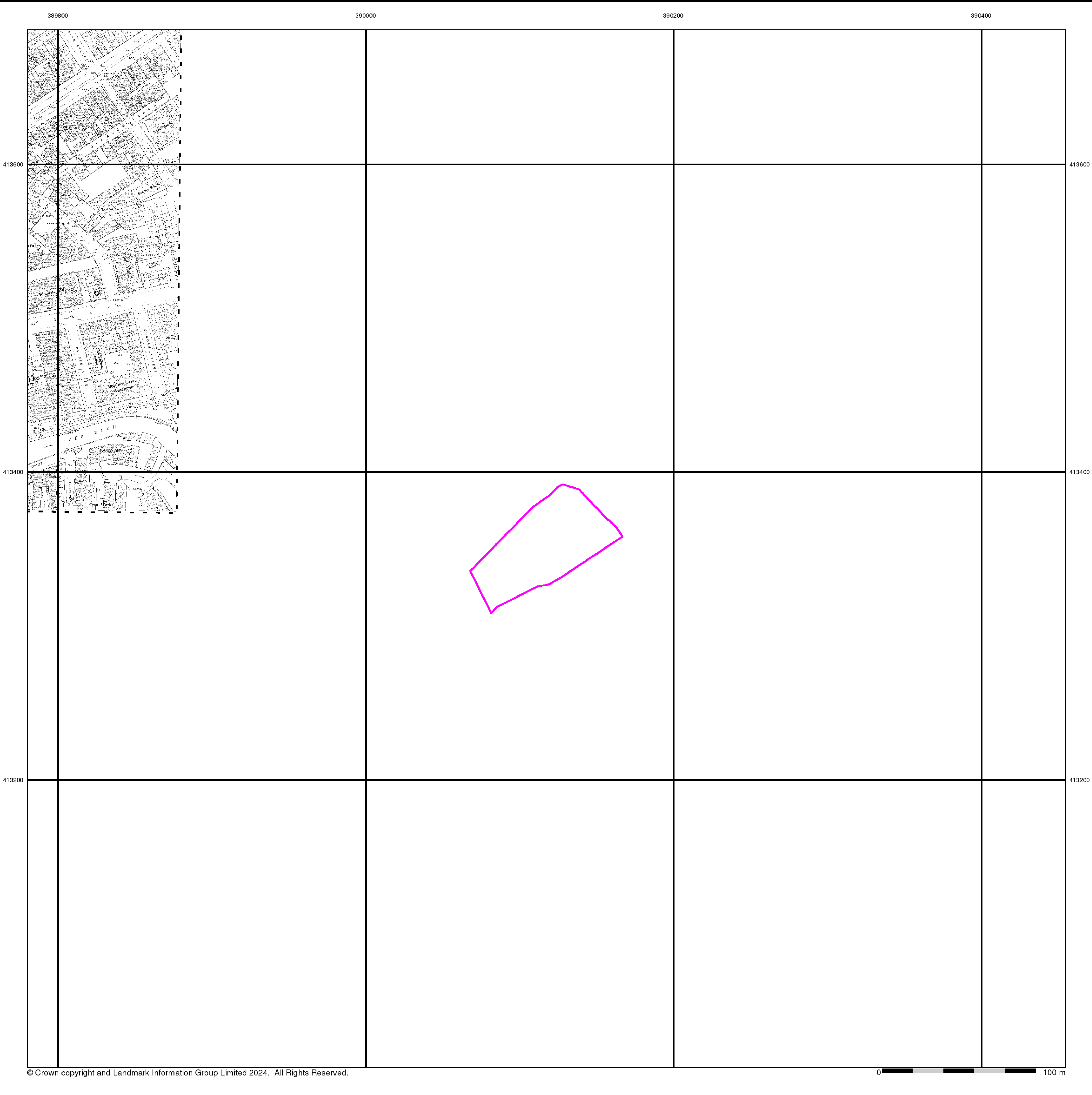
Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 0

Site Details

Molesworth Street, ROCHDALE, OL16 1TL





Lancashire And Furness

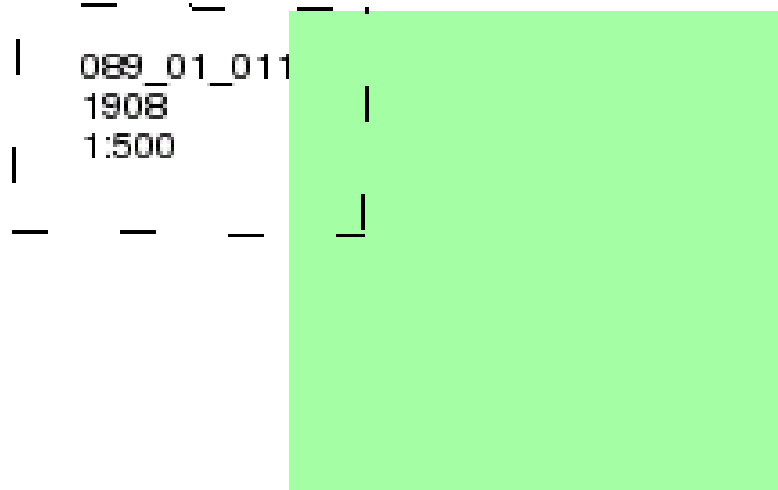
Published 1908

Source map scale - 1:500

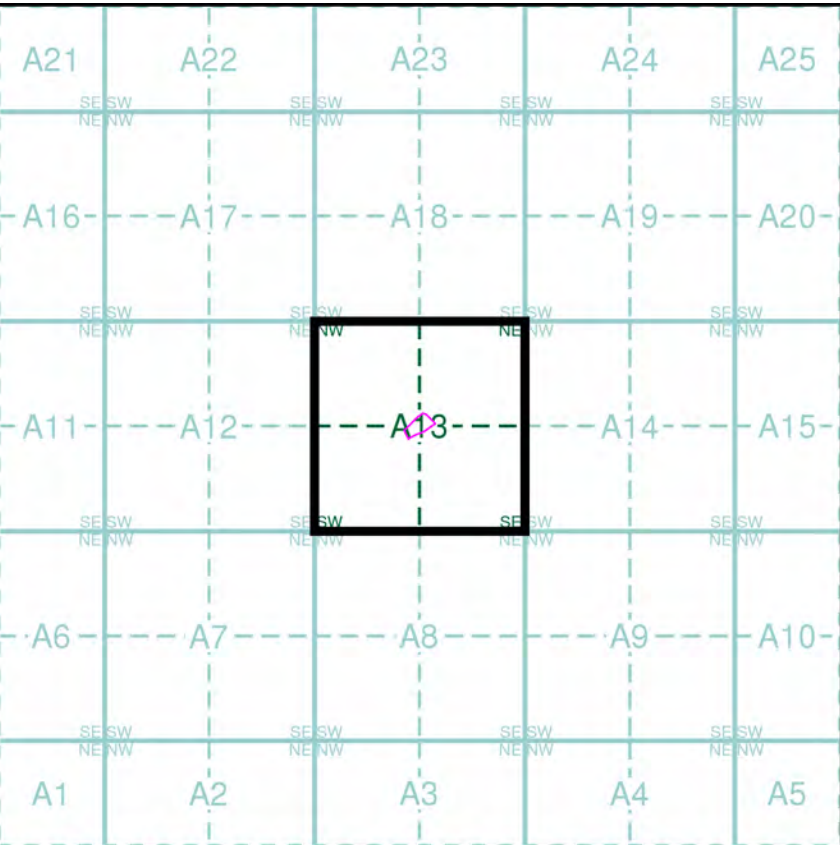
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped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

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Map Name(s) and Date(s)



Historical Town Plan - Segment A13



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 0

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Historical Mapping Legends

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



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



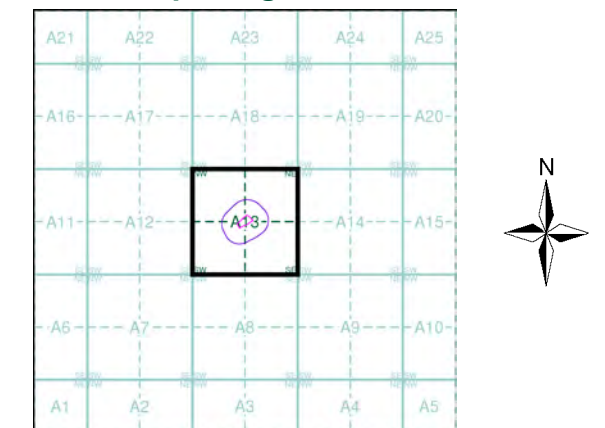
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1930	4
Ordnance Survey Plan	1:1,250	1958 - 1959	5
Ordnance Survey Plan	1:2,500	1959 - 1960	6
Ordnance Survey Plan	1:1,250	1972 - 1988	7
Supply of Unpublished Survey Information	1:1,250	1974 - 1975	8
Supply of Unpublished Survey Information	1:1,250	1975	9
Additional SIMs	1:1,250	1977 - 1983	10
Additional SIMs	1:1,250	1981 - 1987	11
Ordnance Survey Plan	1:1,250	1985 - 1989	12
Additional SIMs	1:1,250	1988 - 1989	13
Large-Scale National Grid Data	1:1,250	1992	14
Large-Scale National Grid Data	1:1,250	1993 - 1995	15
Large-Scale National Grid Data	1:1,250	1996	16
Historical Aerial Photography	1:2,500	2000	17

Historical Map - Segment A13

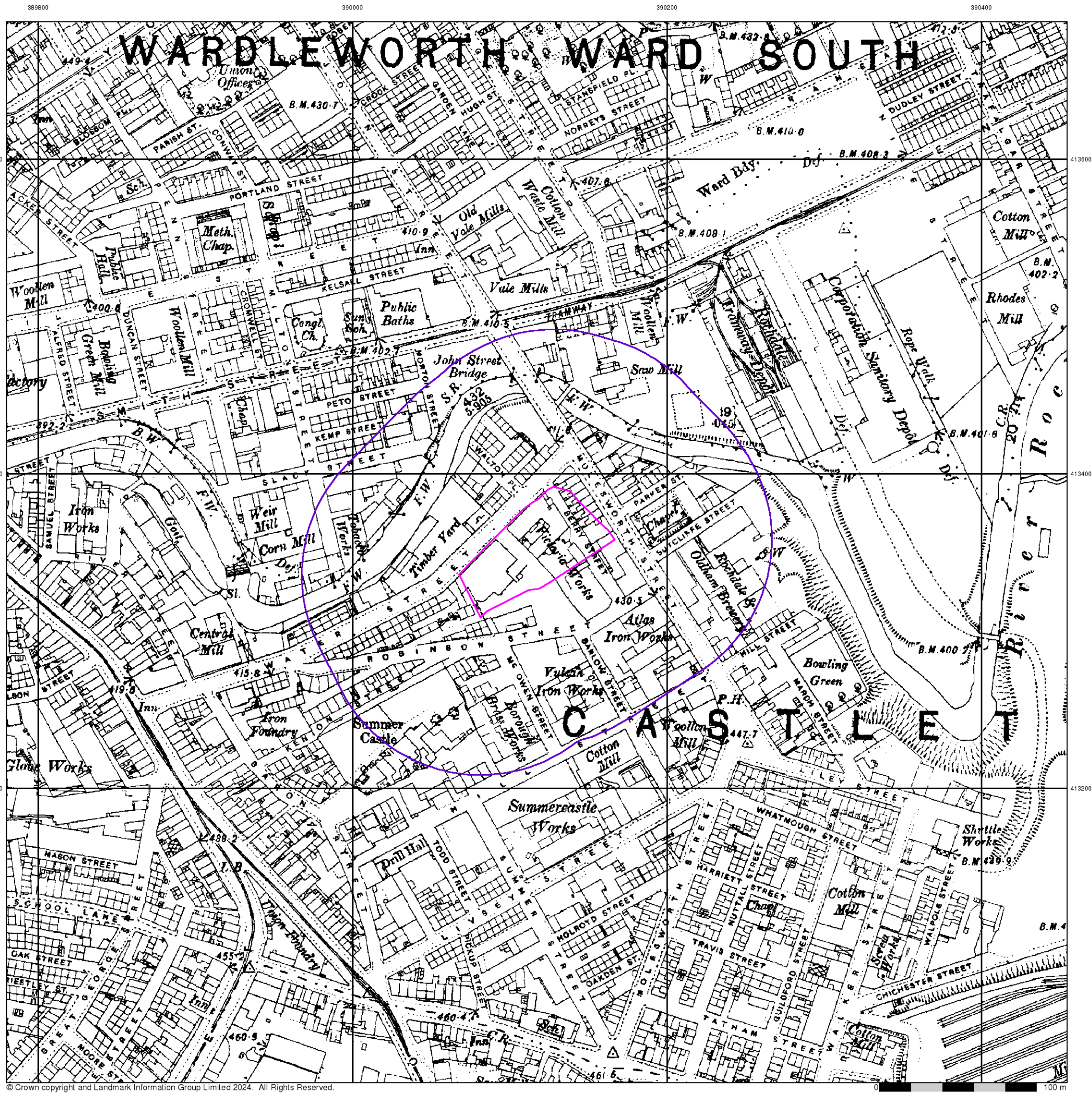


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



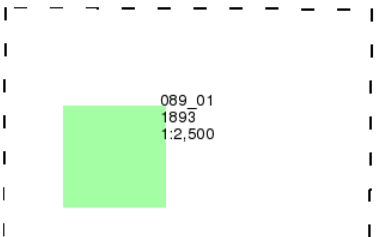
Lancashire And Furness

Published 1893

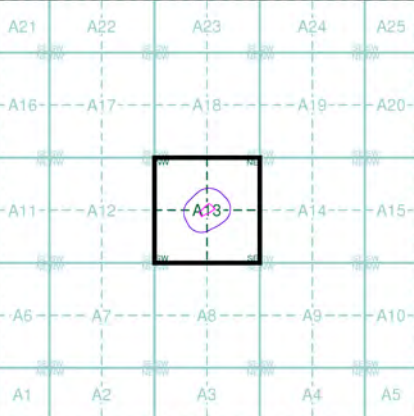
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

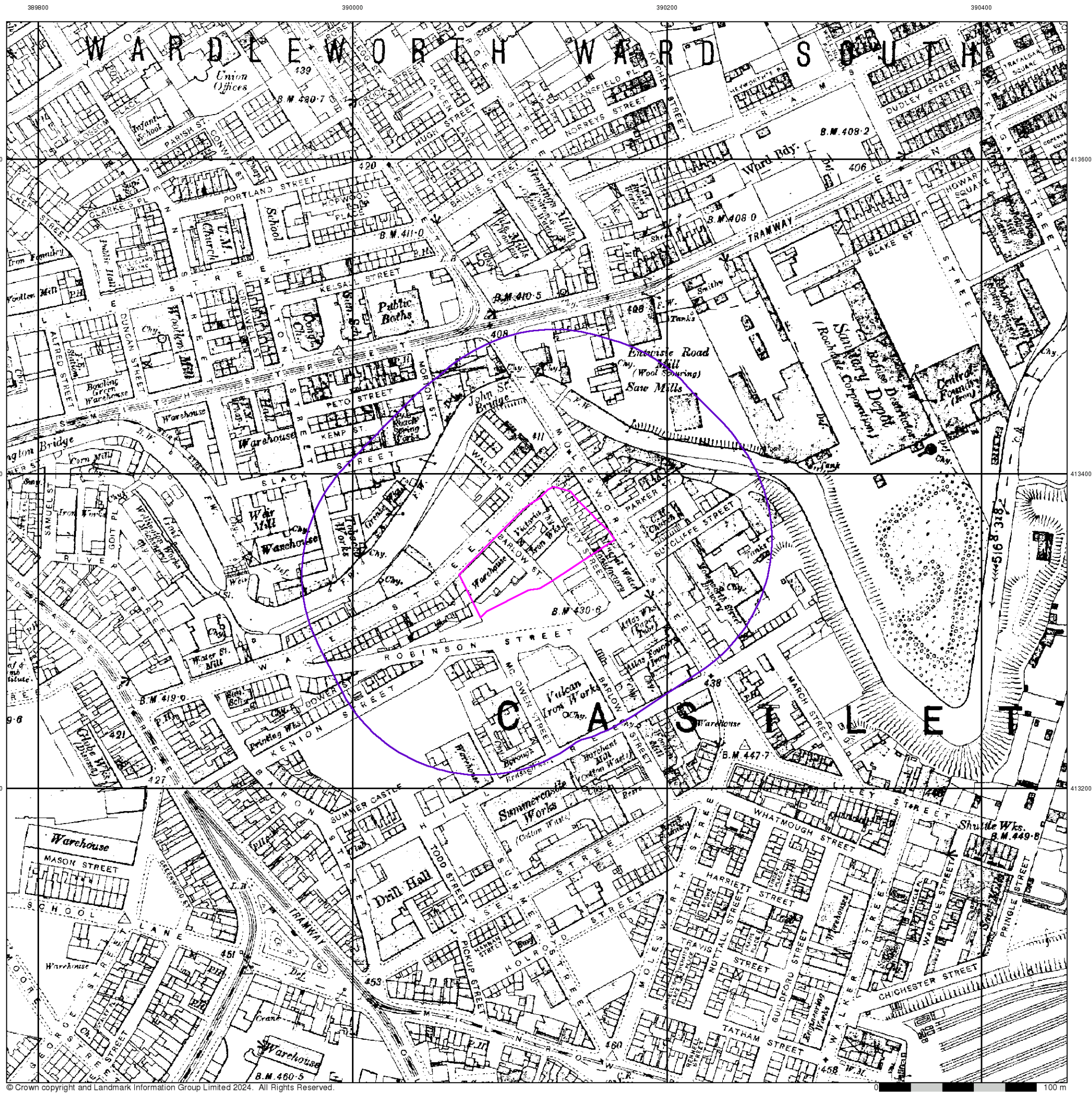


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



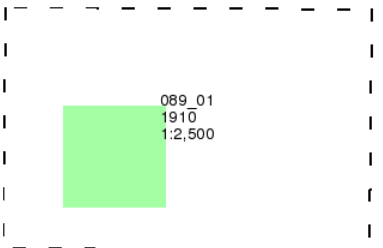
Lancashire And Furness

Published 1910

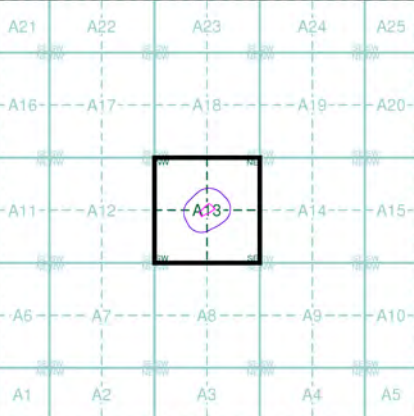
Source map scale - 1:2,500

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: 345391258_1_1
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National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

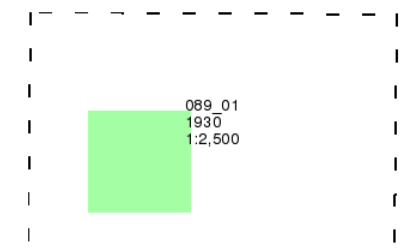
Lancashire And Furness

Published 1930

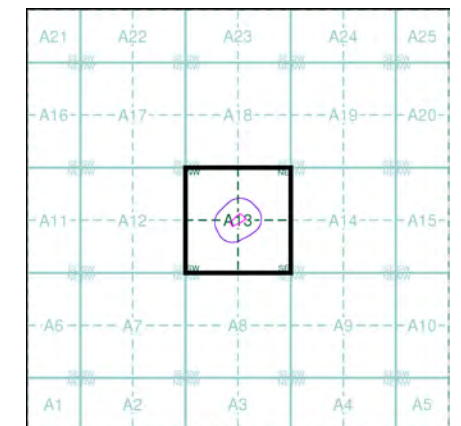
Source map scale - 1:2,500

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: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Ordnance Survey Plan

Published 1958 - 1959

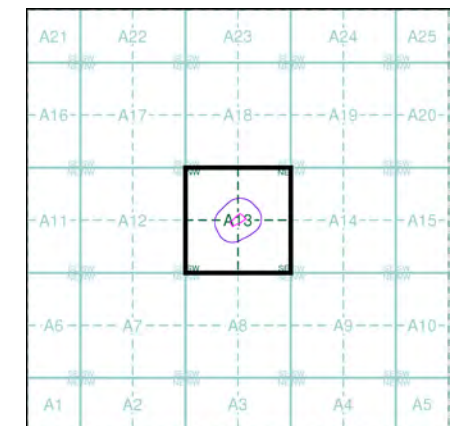
Source map scale - 1:1,250

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)

SD8913NE 1959 1:1,250	SD9013NW 1958 1:1,250
SD8913SE 1959 1:1,250	SD9013SW 1958 1:1,250

Historical Map - Segment A13

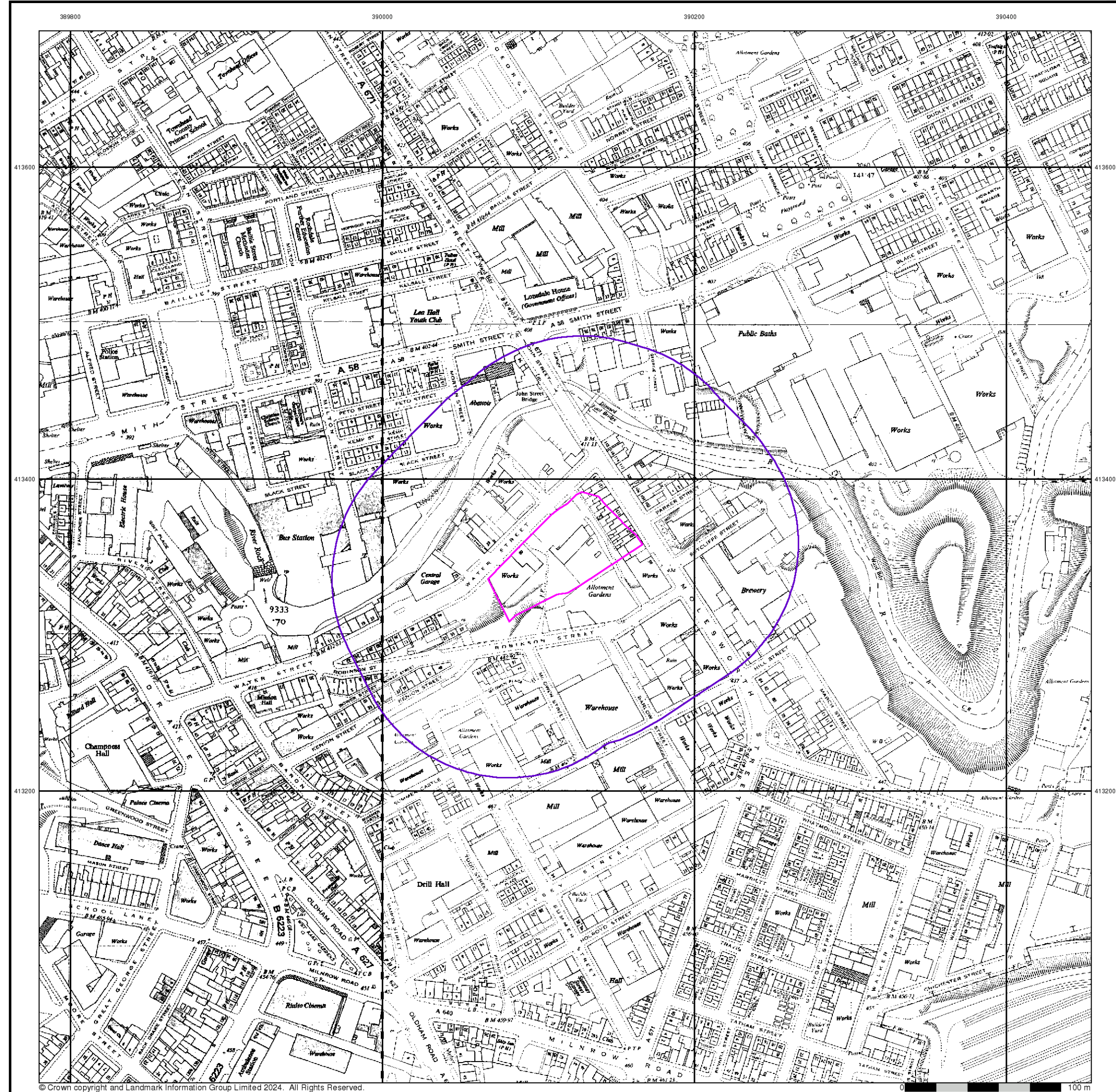


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

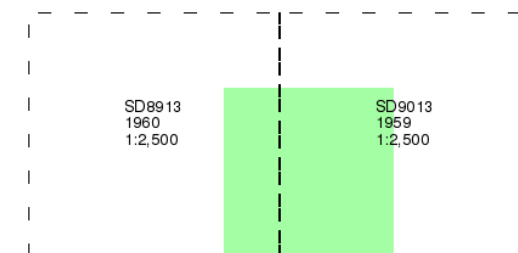
Molesworth Street, ROCHDALE, OL16 1TL



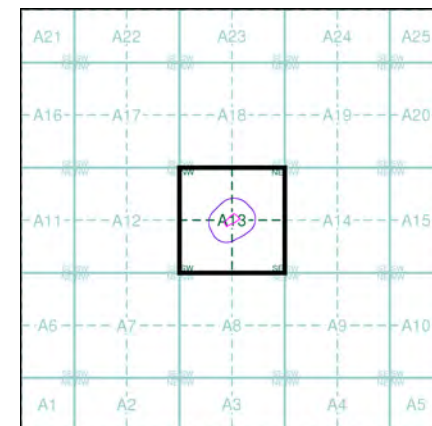
Ordnance Survey Plan
Published 1959 - 1960
Source map scale - 1:2,500

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: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Ordnance Survey Plan

Published 1972 - 1988

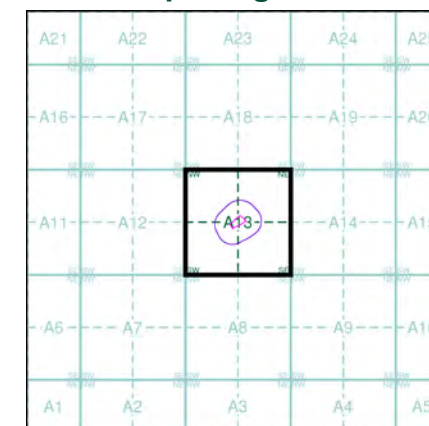
Source map scale - 1:1,250

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)

SD8913NE 1972 1:1,250	SD9013NW 1975 1:1,250
SD8913SE 1988 1:1,250	SD9013SW 1975 1:1,250

Historical Map - Segment A13

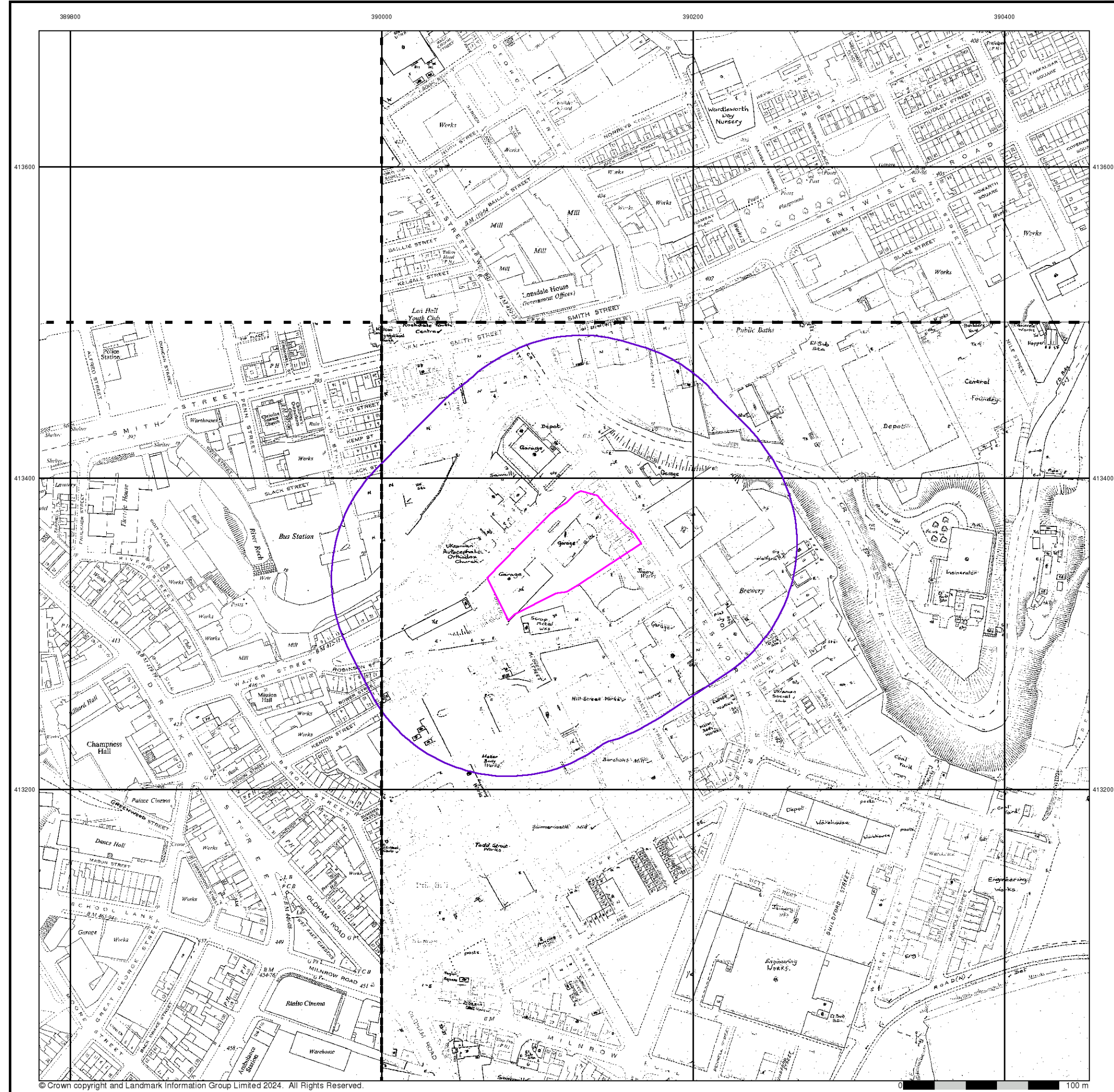


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



Supply of Unpublished Survey Information

Published 1974 - 1975

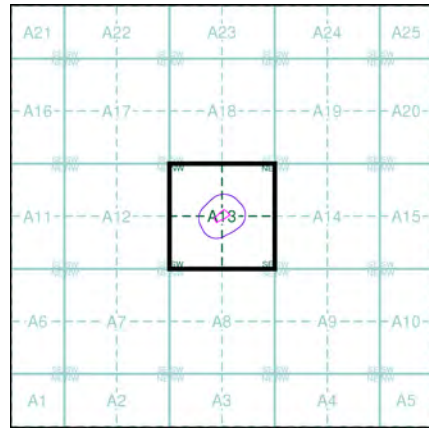
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD9013NW	1974	1:1,250
SD8913SE	1975	1:1,250
SD9013SW	1974	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Supply of Unpublished Survey Information

Published 1975

Source map scale - 1:1,250

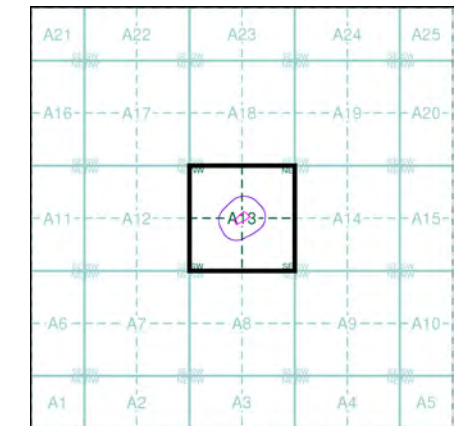
SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment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

Map Name(s) and Date(s)

SD9013NW
1975
1:1,250

SD9013SW
1975
1:1,250

Historical Map - Segment A13

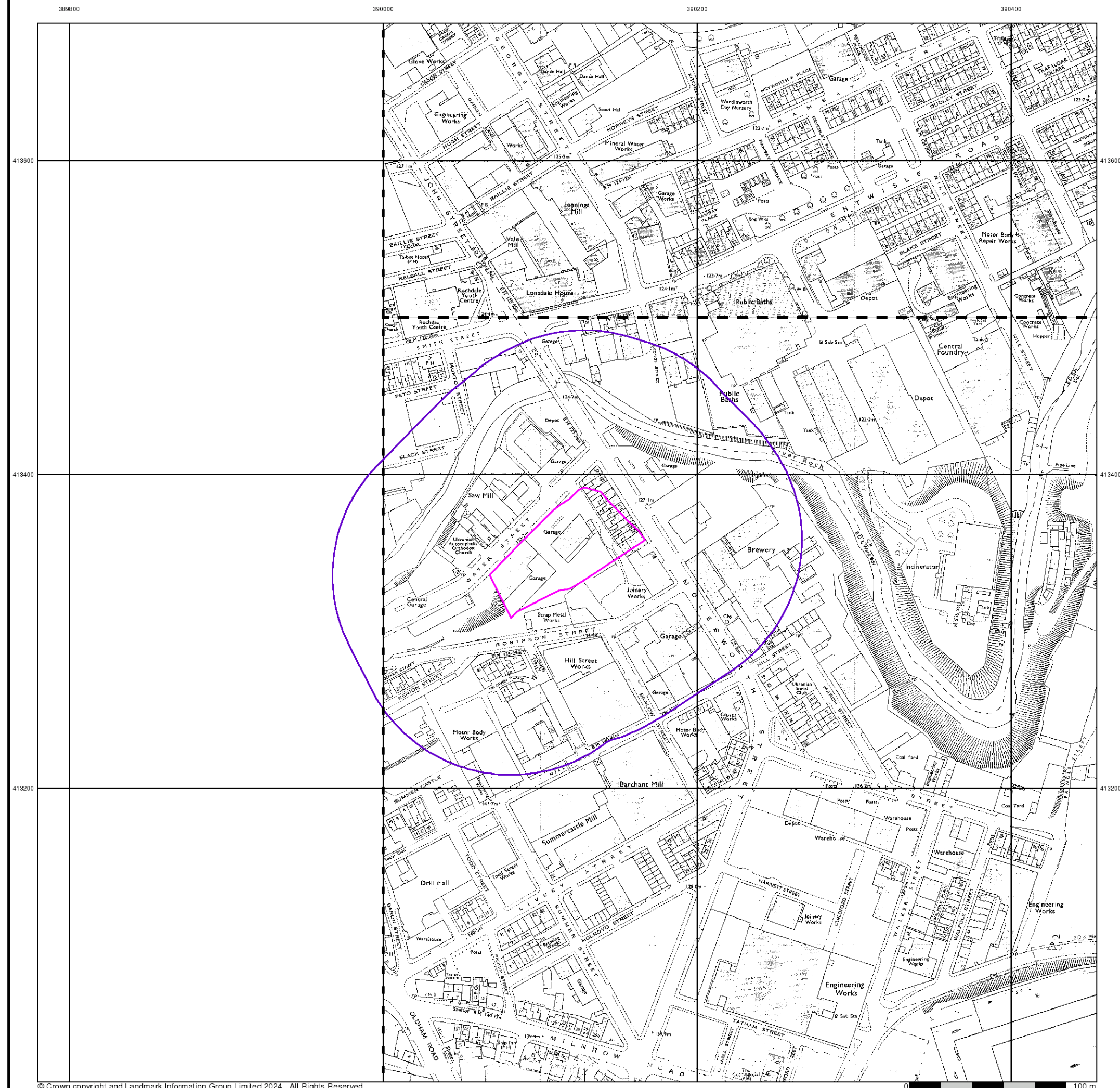


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



Additional SIMs

Published 1977 - 1983

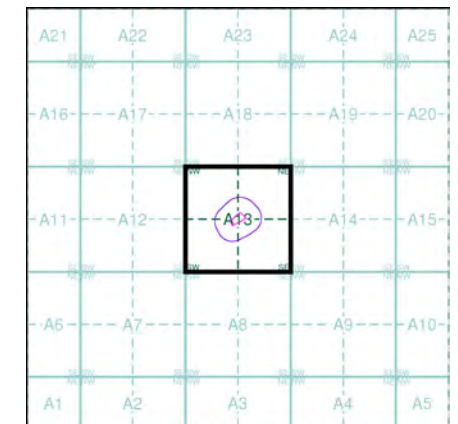
Source map scale - 1:1,250

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)

SD8913NE	SD9013NW
1977	1983
1:1,250	1:1,250
SD8913SE	SD9013SW
1978	1982
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Additional SIMs

Published 1981 - 1987

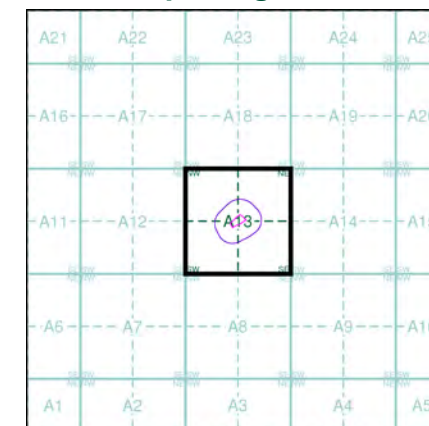
Source map scale - 1:1,250

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)

SD8913NE 1981 1:1,250	SD9013NW 1984 1:1,250
SD8913SE 1987 1:1,250	SD9013SW 1986 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Ordnance Survey Plan

Published 1985 - 1989

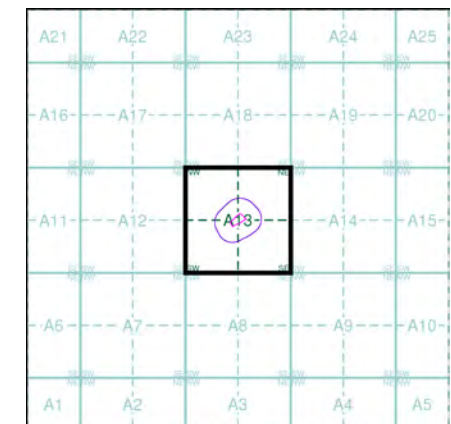
Source map scale - 1:1,250

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)

SD8913NE	SD9013NW
1985	1989
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Additional SIMs

Published 1988 - 1989

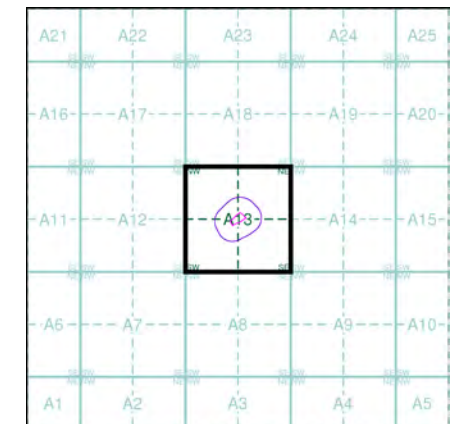
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8913NE	1988	1:1,250
SD9013SW	1989	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



Large-Scale National Grid Data

Published 1992

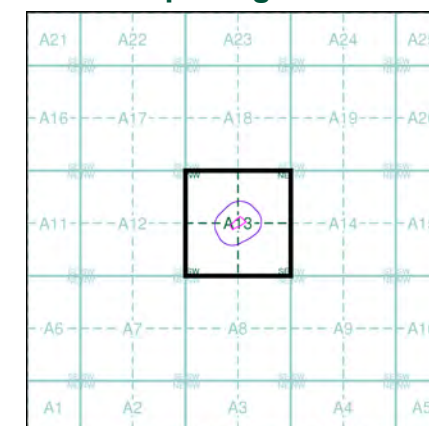
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8913NE	SD9013NW
1992	1992
1:1,250	1:1,250
SD8913SE	SD9013SW
1992	1992
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Large-Scale National Grid Data

Published 1993 - 1995

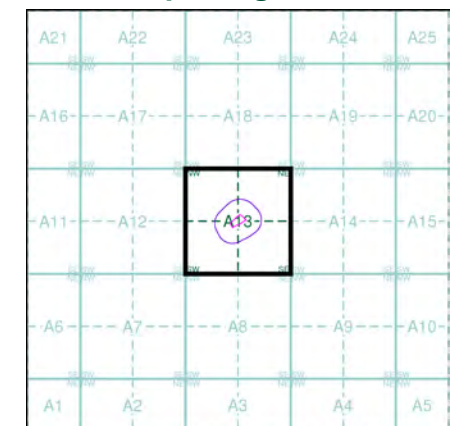
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8913NE	SD9013NW
1995	1993
1:1,250	1:1,250
SD8913SE	SD9013SW
1994	1995
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Large-Scale National Grid Data

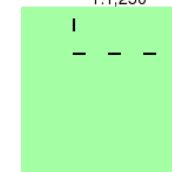
Published 1996

Source map scale - 1:1,250

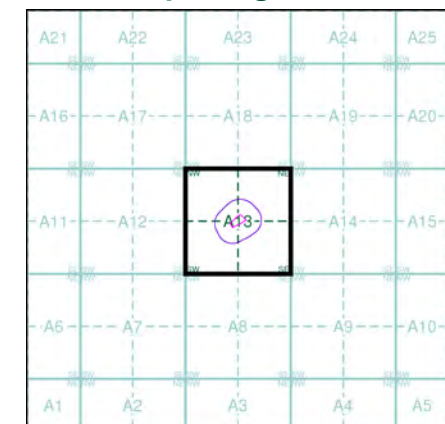
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

SD9013NW
1996
1:1,250



Historical Map - Segment A13

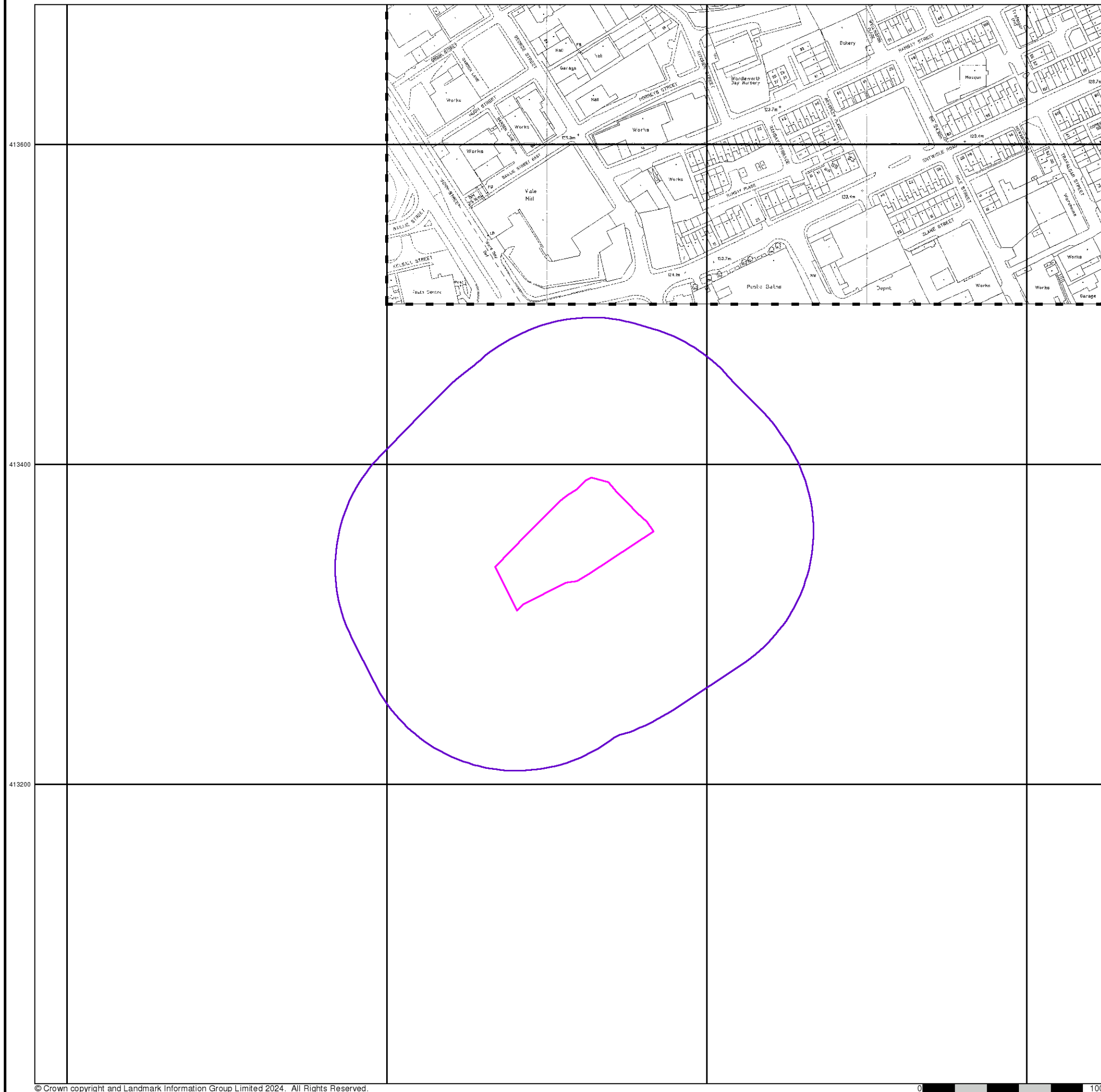


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
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Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



389800

390000

390200

390400

413600

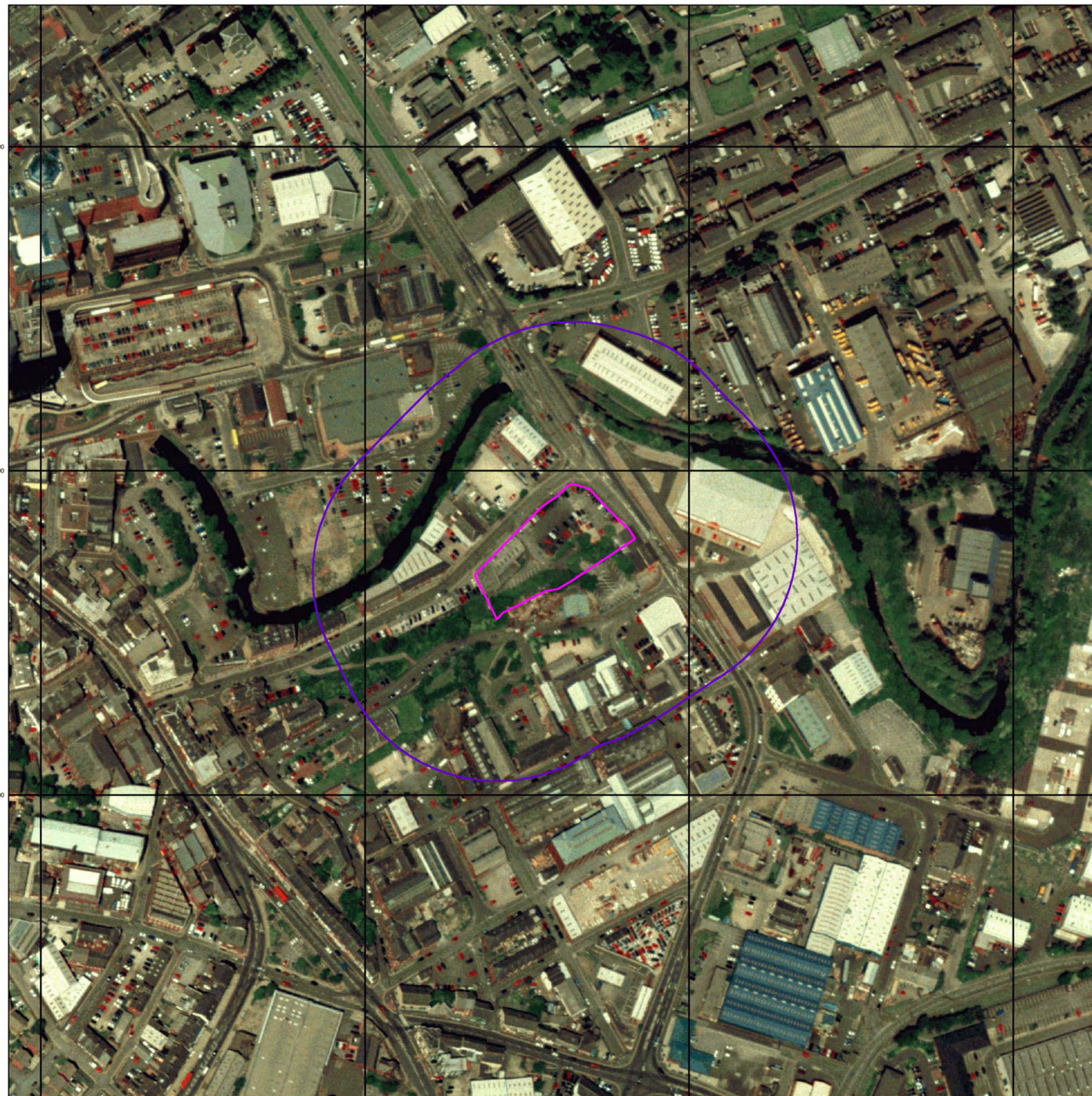
413600

413400

413400

413200

413200



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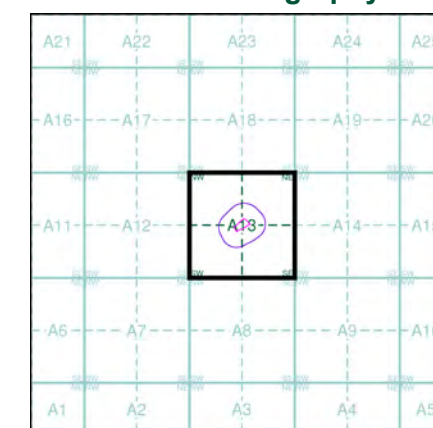
0 100 m

Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
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Search Buffer (m): 100

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

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		
	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		
	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

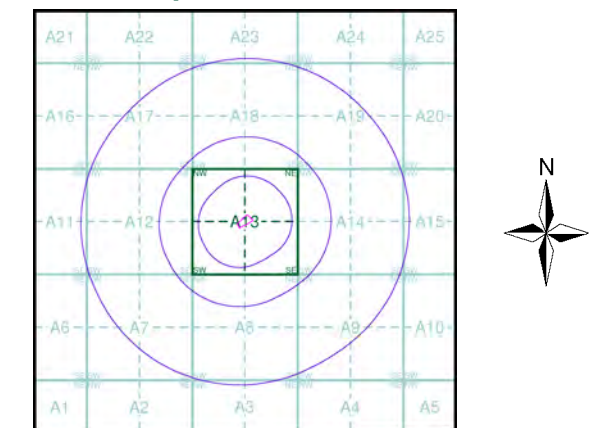
1:10,000 Raster Mapping

	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

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1910 - 1911	6
Lancashire And Furness	1:10,560	1931 - 1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1967 - 1968	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1977 - 1979	12
Ordnance Survey Plan	1:10,000	1988	13
Ordnance Survey Plan	1:10,000	1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2024	17

Historical Map - Slice A



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Fireproof Building

Prominent Fireproof Building

Non-fireproof Building

Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys

Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale

Hydroelectric Power Station

Radio Station, drawn to scale

Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry

Open-pit Salt Mine

Pit

Oil Deposit or Well

Oil Seepage

Tailings Pile

Fuel Storage Tanks

Natural Gas Tank

Bench Mark

Drill Hole

Burial Mound

Triangulation Point on Burial Mound

Single-track Railroad

Double-track Railroad

Small Bridge

Tunnel

Pipe (Culvert)

Coniferous Forest

Deciduous Forest

Mixed Forest

Lawns

Citrus Orchard

Wet Ground

Scattered Vegetation

243.8 Values for prominent elevations
186.0 Numbers for spot elevations, depth soundings, contour lines, etc.
0.2 Velocity of the current, width of river bed, depth of river
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Partly Demolished Buildings

Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant

Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building

Prominent Industrial Building

Individual Dwelling, Fireproof

Ruins of an Individual Dwelling

Factory or Mill Chimney

Factory or Mill with Chimney

Factory or Mill without Chimney

Mine or Open Pit Mine

Operating Shaft or Mine

Non-Operating Shaft or Mine

Salt Mine

Tailings Pile

Pit

Stone Quarry

Gas Pump or Service Station

Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick

Small Hydroelectric Power Station

Power Station

Transformer Station

Cemetery

Burial Mound (height in metres)

Triangulation Point on Burial Mound

Triangulation Point

Bench Mark

Bench Mark (monumented)

Telegraph Office

Telephone Station

Radio Station

Radio Tower

Airfield or Seaplane Base

Landing Strip

Cut, Fill, Km Post, Plantings

Telegraph/Telephone Lines

Main Highway

Highway under Construction

Improved Dirt Road (former truck road)

Small Bridge, Pipe (Culvert), Tunnel

Double-track Railroad with First Class Station

Dismantled Railroad

Railroad Under Construction

Shore Embankment

River or Ditch with Embankment

Water Gauge

Water Level Mark

Well

Water Reservoir or Rain Water Pit

Spring

Isobath with value

Heavy (Index) Contour Line

Contour Line and Value

Half Contour Line

Spot Elevation Value

Coniferous

Deciduous

Mixed

Scrub

Key to Numbers on Mapping

SD81_Manchester

No.	Description
182	Council/Government Buildings/Courts

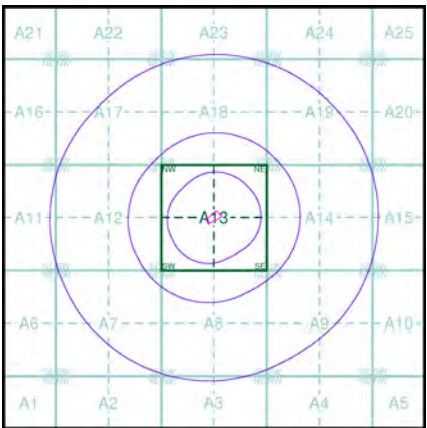
SD91_Manchester

No.	Description
77	Factory (Machinery)

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1910 - 1911	6
Lancashire And Furness	1:10,560	1931 - 1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1967 - 1968	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1977 - 1979	12
Ordnance Survey Plan	1:10,000	1988	13
Ordnance Survey Plan	1:10,000	1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2024	17

Russian Map - Slice A



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

Lancashire And Furness

Published 1851

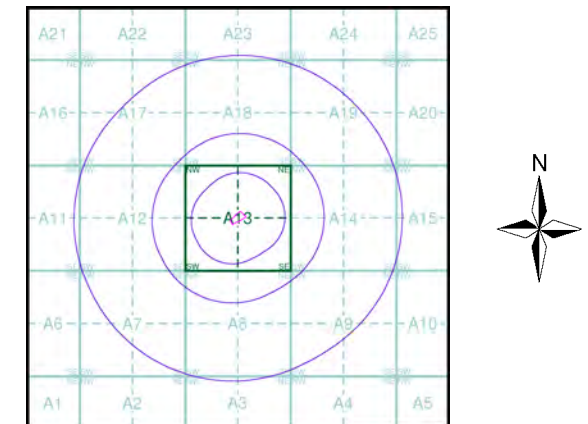
Source map scale - 1:10,560

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)

08000 1851 1:10,560	08100 1851 1:10,560
08800 1851 1:10,560	08900 1851 1:10,560

Historical Map - Slice A

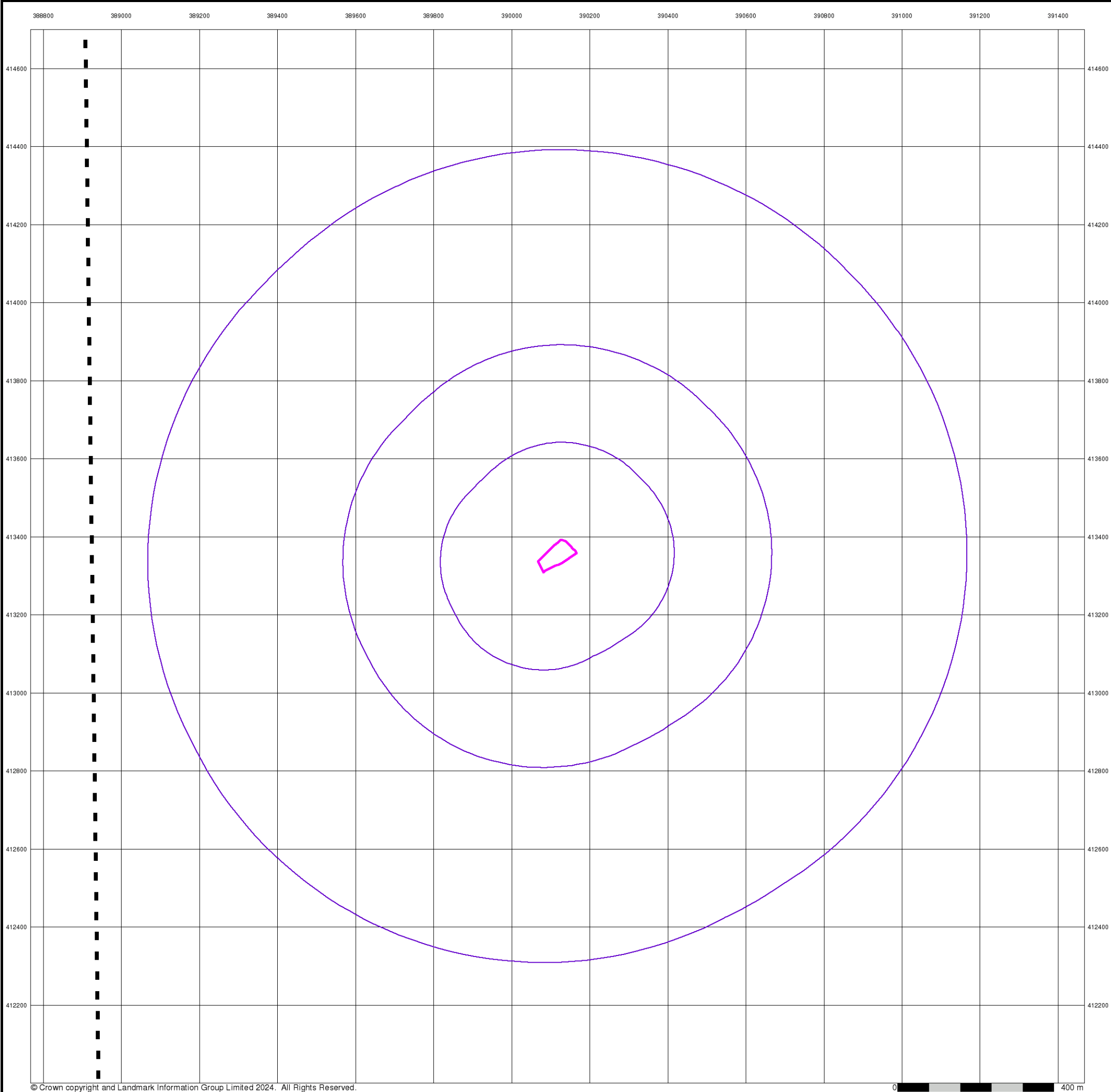


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
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Site Details

Molesworth Street, ROCHDALE, OL16 1TL



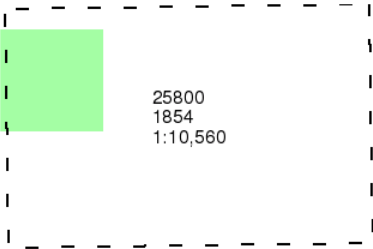
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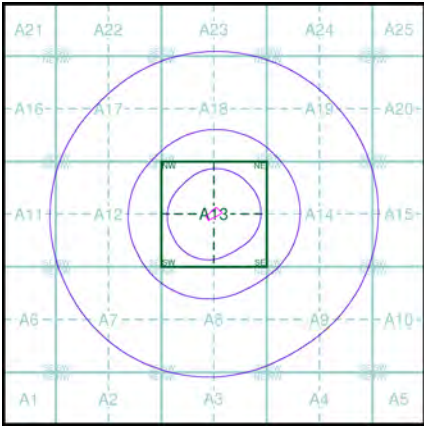
Yorkshire
Published 1854
Source map scale - 1:10,560

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: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details
Molesworth Street, ROCHDALE, OL16 1TL



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

Lancashire And Furness

Published 1894

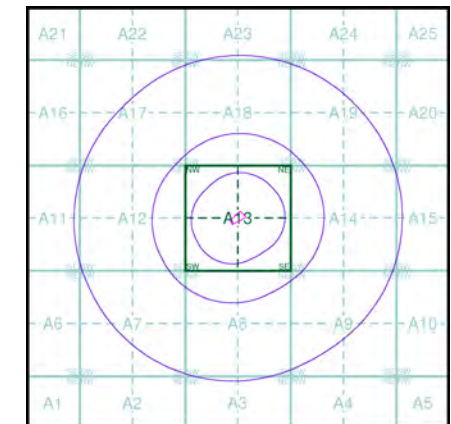
Source map scale - 1:10,560

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)

080SE 1894 1:10,560	081SW 1894 1:10,560
088NE 1894 1:10,560	089NW 1894 1:10,560

Historical Map - Slice A

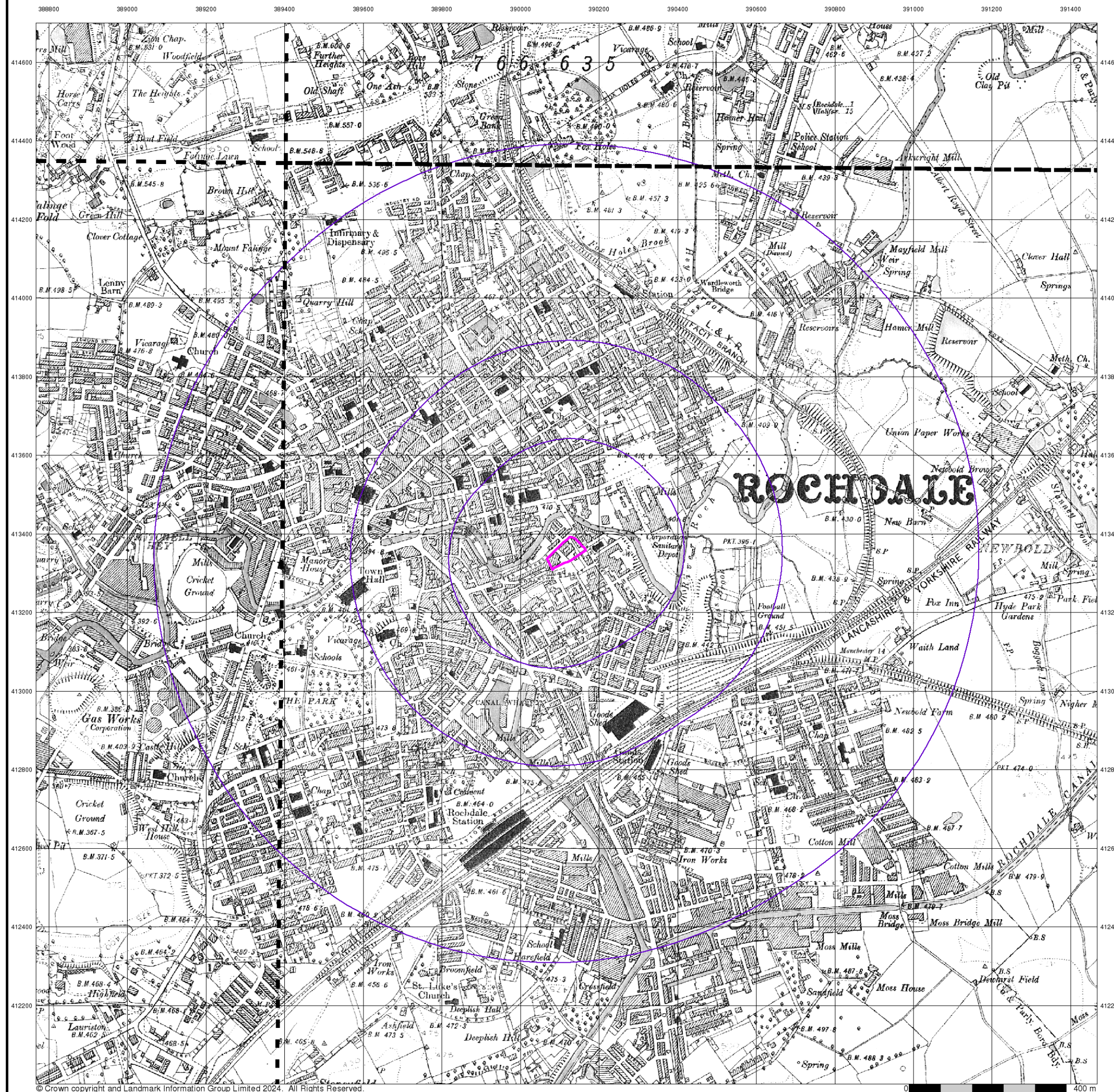


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



Lancashire And Furness

Published 1910 - 1911

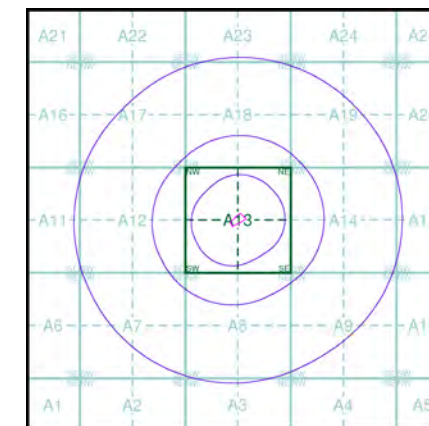
Source map scale - 1:10,560

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)

080SE 1911 1:10,560	081SW 1911 1:10,560
088NE 1911 1:10,560	089NW 1910 1:10,560

Historical Map - Slice A

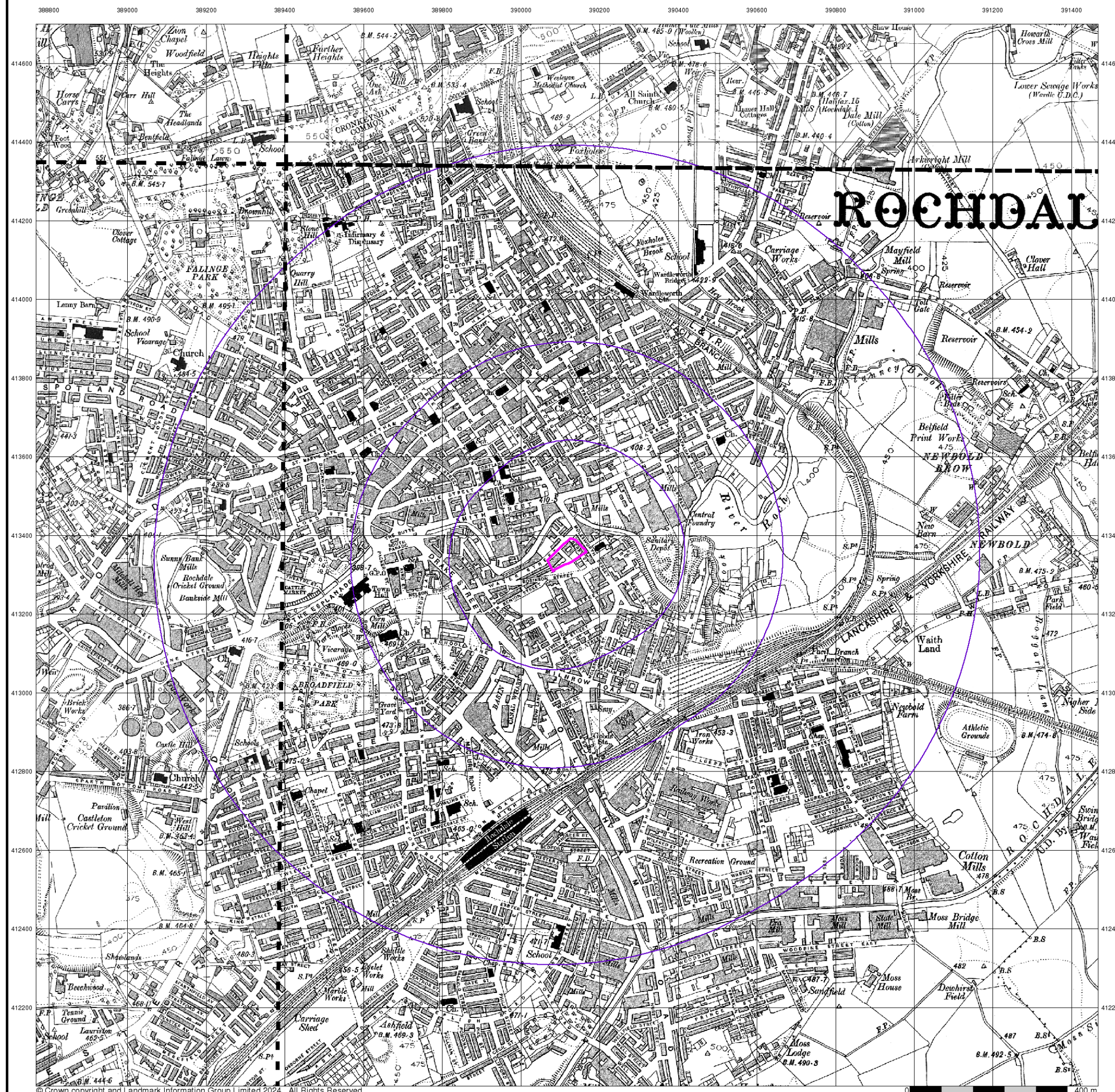


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



Lancashire And Furness

Published 1931 - 1932

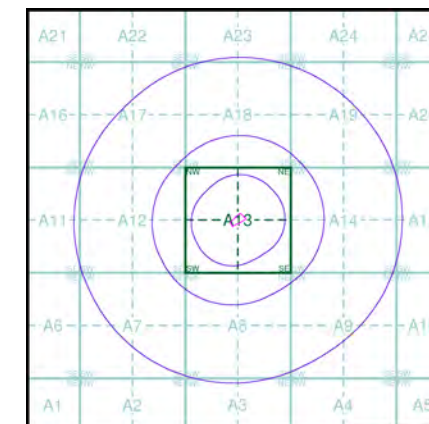
Source map scale - 1:10,560

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)

080SE 1931 1:10,560	081SW 1932 1:10,560
088NE 1932 1:10,560	089NW 1931 1:10,560

Historical Map - Slice A

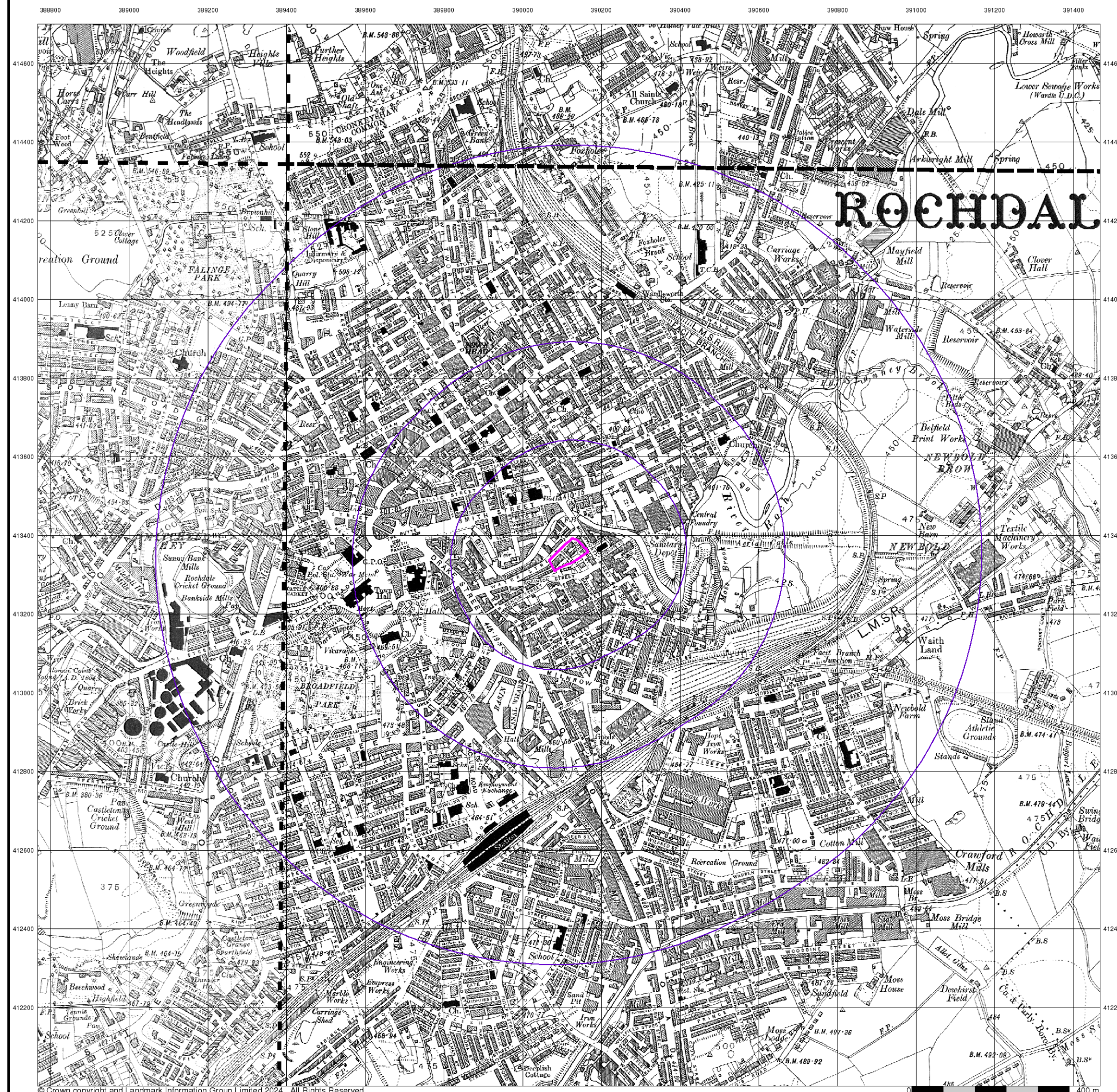


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



Lancashire And Furness

Published 1938

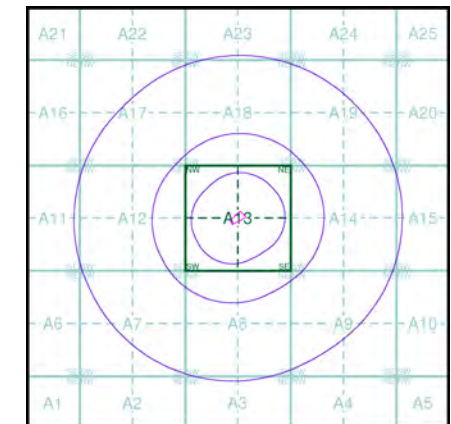
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

080SE 1938 1:10,560	081SW 1938 1:10,560
088NE 1938 1:10,560	089NW 1938 1:10,560

Historical Map - Slice A

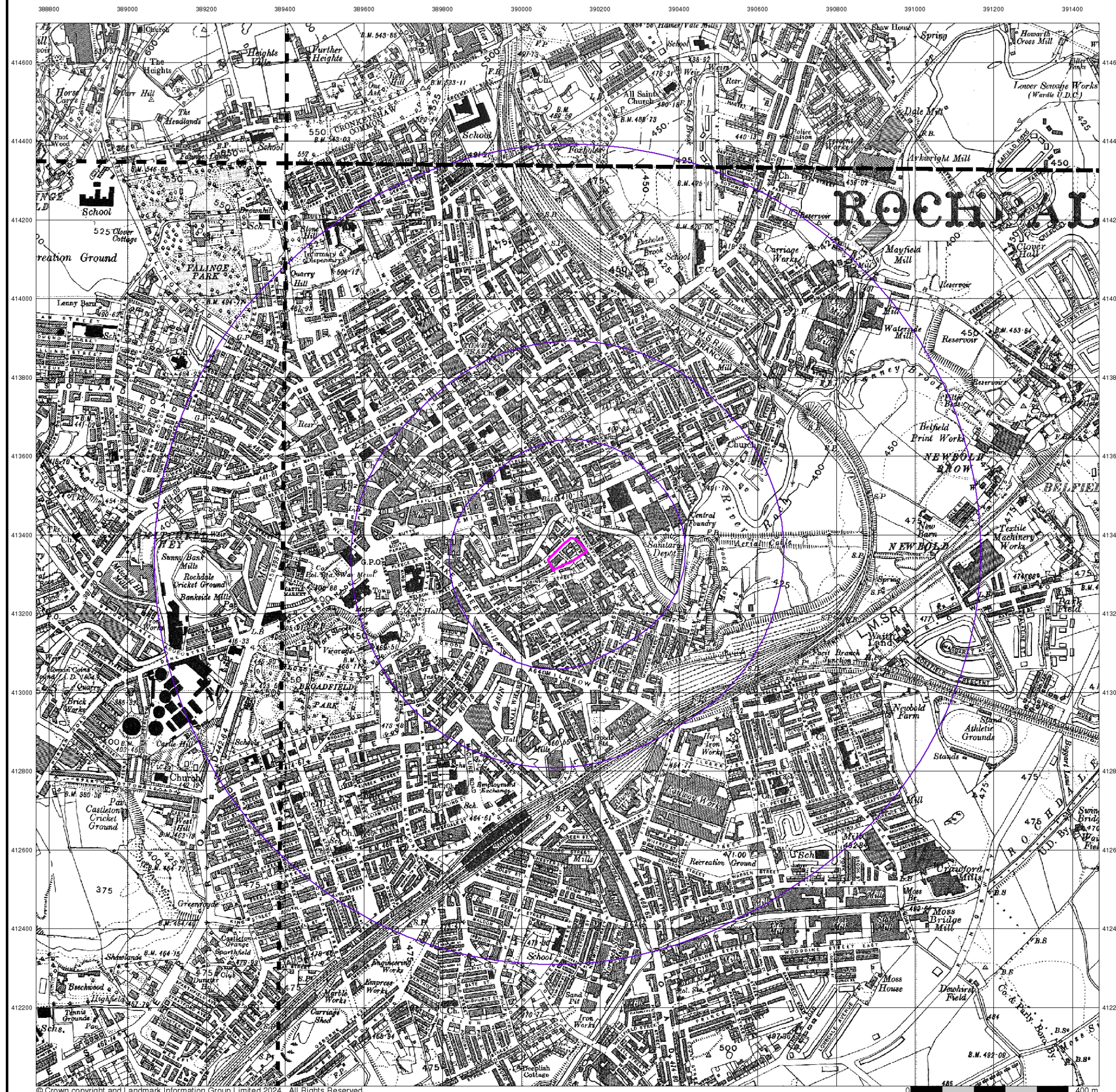


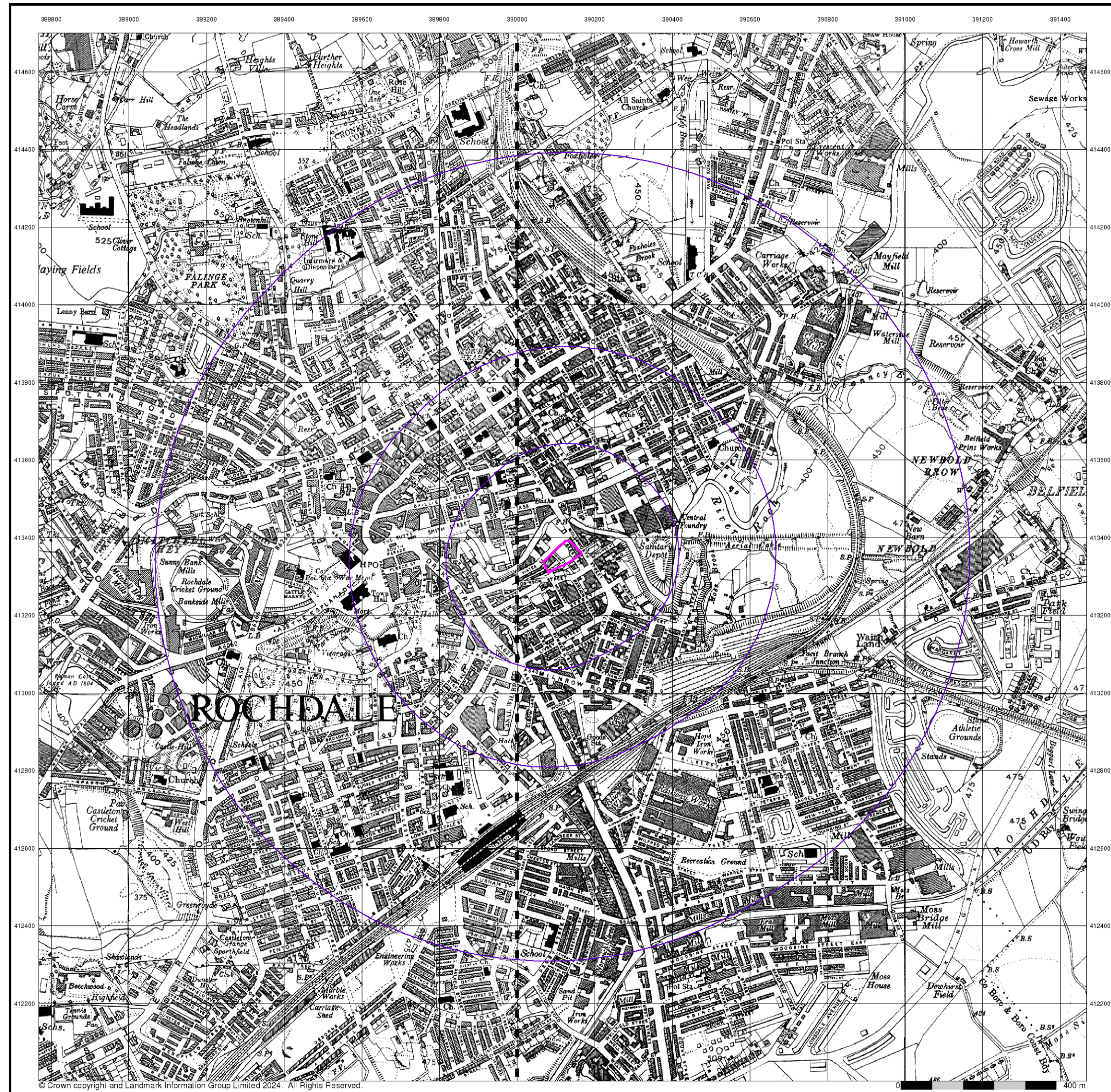
Order Details

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Customer Ref: J15721_VF
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Site Area (Ha): 0.4
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Site Details

Molesworth Street, ROCHDALE, OL16 1TL

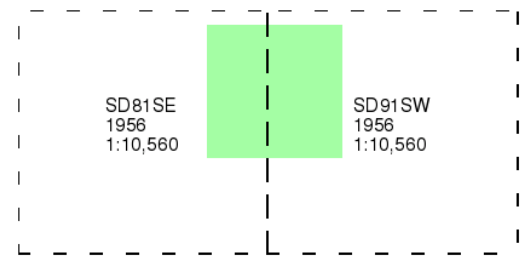




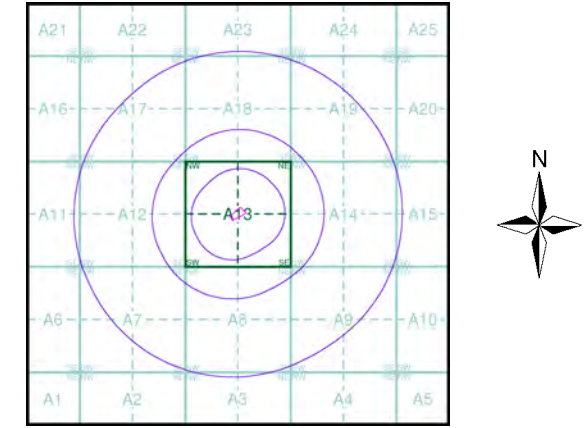
Ordnance Survey Plan
Published 1956
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details
Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details
Molesworth Street, ROCHDALE, OL16 1TL

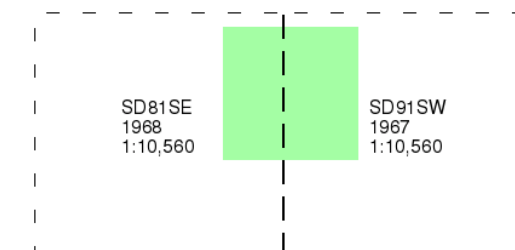
Ordnance Survey Plan

Published 1967 - 1968

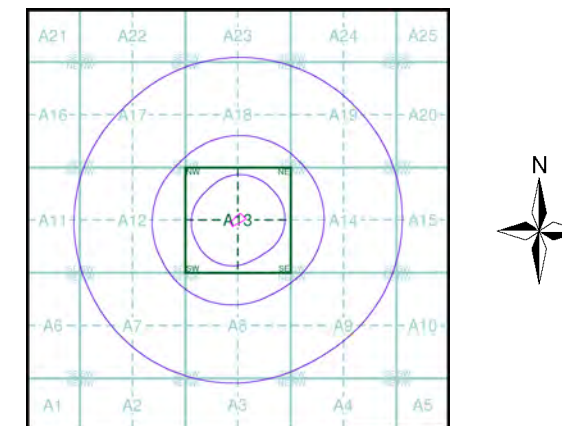
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



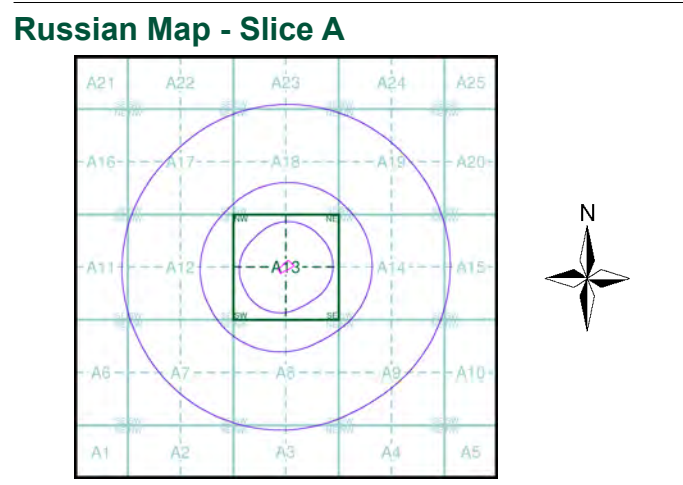
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Manchester
Published 1975
Source map scale - 1:25,000

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

Map Name(s) and Date(s)

SD81 1975 1:25,000	SD91 1975 1:25,000
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Order Details

Order Number:	345391258_1_1
Customer Ref:	J15721_VF
National Grid Reference:	390120, 413350
Slice:	A
Site Area (Ha):	0.4
Search Buffer (m):	1000

Site Details
Molesworth Street, ROCHDALE, OL16 1TL

388800 389000 389200 389400 389600 389800 390000 390200 390400 390600 390800 391000 391200 391400



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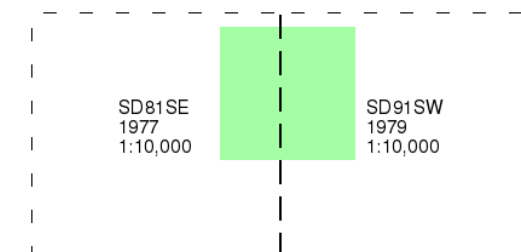
Ordnance Survey Plan

Published 1977 - 1979

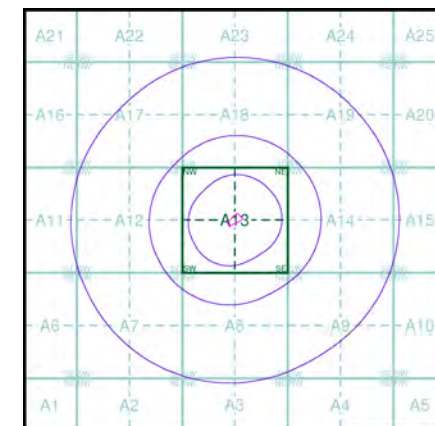
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



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

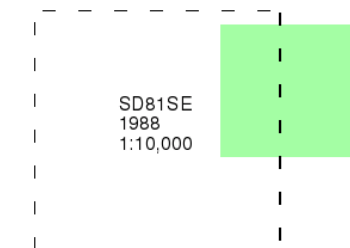
Ordnance Survey Plan

Published 1988

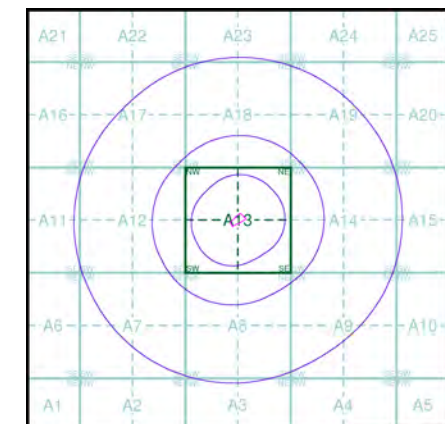
Source map scale - 1:10,000

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.

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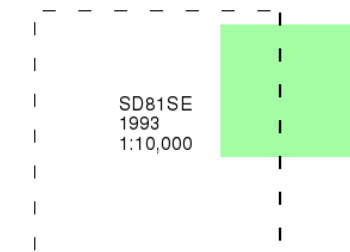
Ordnance Survey Plan

Published 1993

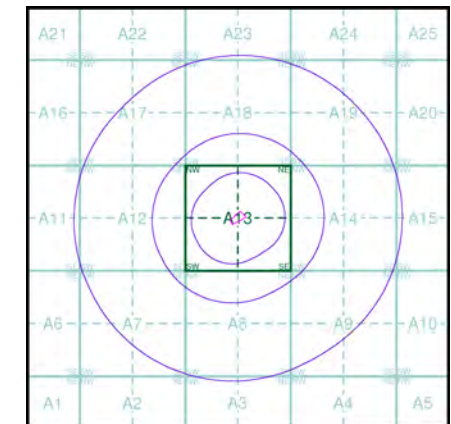
Source map scale - 1:10,000

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.

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Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

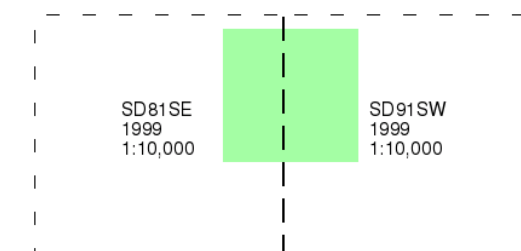
10k Raster Mapping

Published 1999

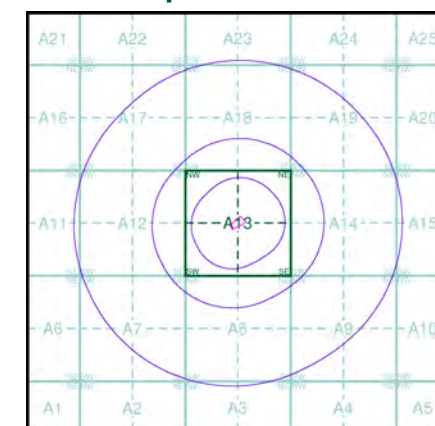
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Molesworth Street, ROCHDALE, OL16 1TL

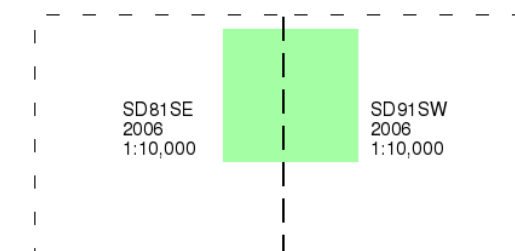
10k Raster Mapping

Published 2006

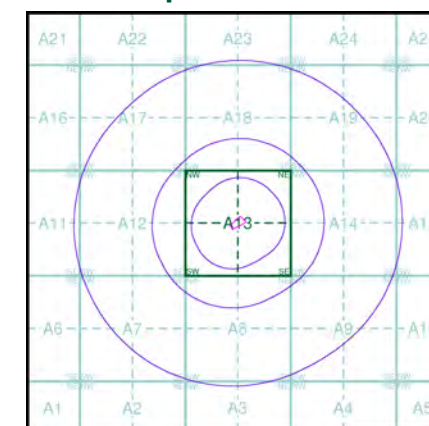
Source map scale - 1:10,000

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

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Site Details

Molesworth Street, ROCHDALE, OL16 1TL

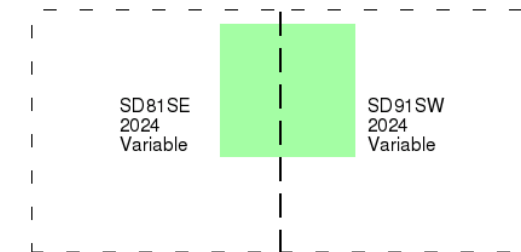
VectorMap Local

Published 2024

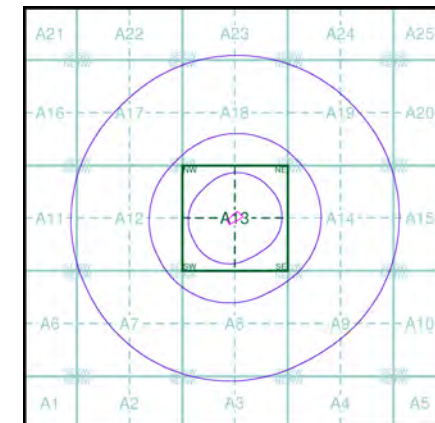
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

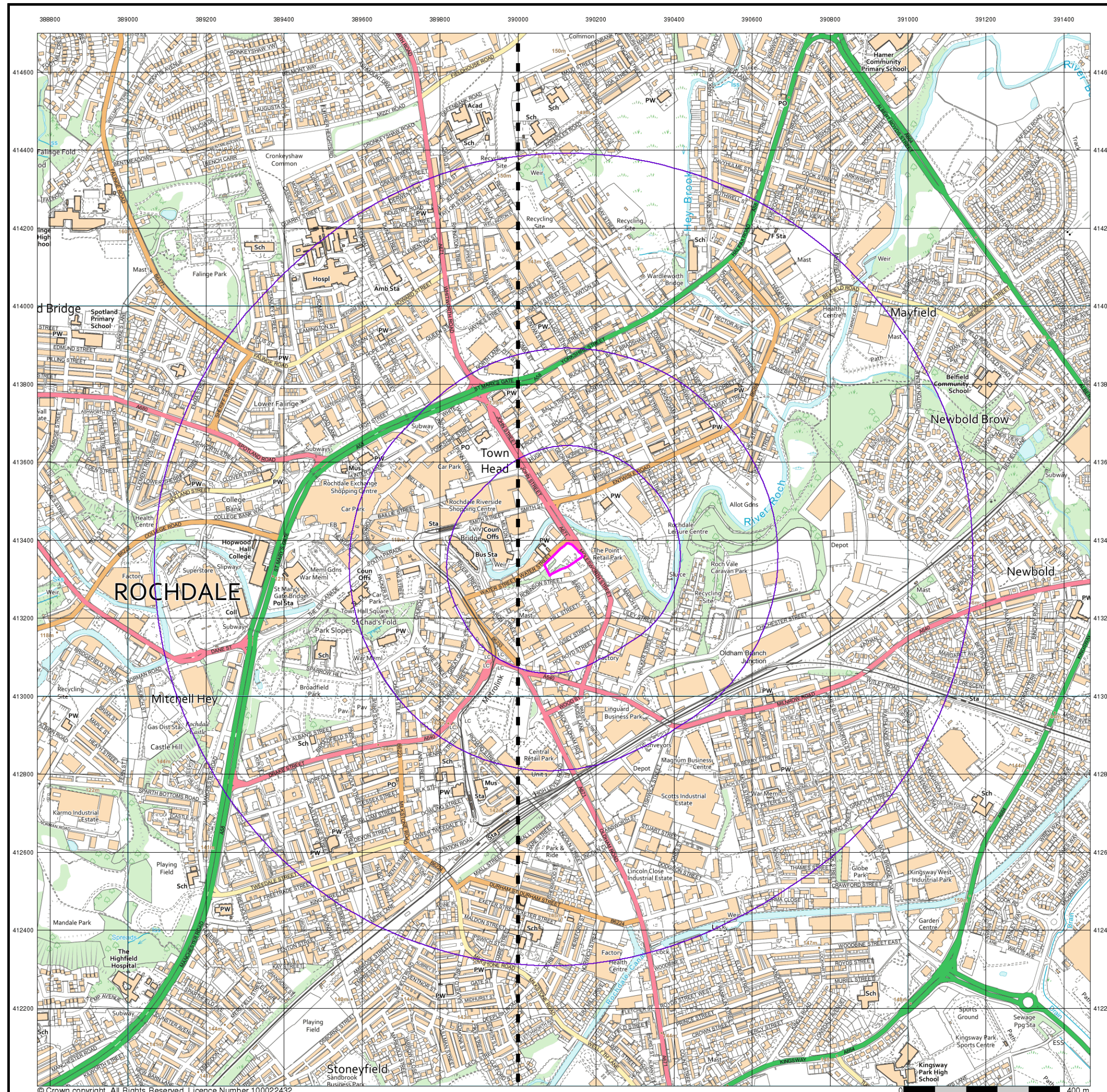


Order Details

Order Number: 345391258_1_1
Customer Ref: J15721_VF
National Grid Reference: 390120, 413350
Slice: A
Site Area (Ha): 0.4
Search Buffer (m): 1000

Site Details

Molesworth Street, ROCHDALE, OL16 1TL



APPENDIX G

Phase 1 Desk Study –
Environmental Database
Search Results and Mapping



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

345391258_1_1

Customer Reference:

J15721_VF

National Grid Reference:

390120, 413350

Slice:

A

Site Area (Ha):

0.4

Search Buffer (m):

1000

Site Details:

Molesworth Street

ROCHDALE

OL16 1TL

Client Details:

MR D Spearman

Southern Testing

Keeble House

Stuart Way

East Grinstead

West Sussex

RH19 4QA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	42
Hazardous Substances	56
Geological	57
Industrial Land Use	68
Sensitive Land Use	151
Data Currency	152
Data Suppliers	158
Useful Contacts	159

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	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		7	20	24
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices	pg 15				1
Integrated Pollution Controls	pg 15				8
Integrated Pollution Prevention And Control	pg 17				7
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 18		6	6	11
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 21		Yes		
Pollution Incidents to Controlled Waters	pg 21		8	5	12
Prosecutions Relating to Authorised Processes	pg 26				1
Registered Radioactive Substances					
River Quality	pg 26		1	1	2
River Quality Biology Sampling Points	pg 26				1
River Quality Chemistry Sampling Points	pg 27				1
Substantiated Pollution Incident Register					
Water Abstractions	pg 27		7		2 (*21)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 35	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 35	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 35	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 35		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 35		Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 35		Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 35		Yes	n/a	n/a
OS Water Network Lines	pg 36		5	15	26

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 42			1	
Historical Landfill Sites	pg 42			1	6
Integrated Pollution Control Registered Waste Sites	pg 43		2		
Licensed Waste Management Facilities (Landfill Boundaries)	pg 44				1
Licensed Waste Management Facilities (Locations)	pg 44		1	4	10
Local Authority Landfill Coverage	pg 47	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 47	1	1	1	4
Potentially Infilled Land (Water)	pg 48		2	8	16
Registered Landfill Sites	pg 49			1	3
Registered Waste Transfer Sites	pg 51		4	2	2
Registered Waste Treatment or Disposal Sites	pg 54		1	1	1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 56				1
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 57	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 57	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 65			1	1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 65	Yes	n/a	n/a	n/a
Mining Instability	pg 65	Yes	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 65	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 65		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 66	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 66	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 66		Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 67	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 68		75	110	341
Fuel Station Entries	pg 113		1	1	5
Points of Interest - Commercial Services	pg 113		23	39	117
Points of Interest - Education and Health	pg 128				1
Points of Interest - Manufacturing and Production	pg 128		32	28	130
Points of Interest - Public Infrastructure	pg 144		8	5	30
Points of Interest - Recreational and Environmental	pg 148			1	20
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 151				1
Special Areas of Conservation	pg 151				1
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 (SW)	0	1	390115 413349
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	0	1	390100 413349
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	9	1	390115 413400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	9	1	390100 413300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	18	1	390050 413349
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	32	1	390050 413300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	68	1	390000 413349
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	77	1	390000 413300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	101	1	390000 413250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	123	1	389950 413300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	129	1	390000 413450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	134	1	390300 413349
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	144	1	389950 413250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	161	1	390100 413550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	193	1	390350 413300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	203	1	390000 413550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	221	1	389850 413300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	224	1	390000 413100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	241	1	389900 413150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	259	1	390115 413050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	270	1	389900 413550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	271	1	389800 413300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	282	1	389800 413250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	343	1	390450 413550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (E)	346	1	390500 413450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	377	1	389800 413600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	384	1	390550 413349
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	392	1	389700 413200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	397	1	390250 412950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	400	1	390350 413000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	407	1	390400 413700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	409	1	390115 412900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	417	1	390000 412900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	429	1	390550 413550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	436	1	390600 413400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	443	1	390350 412950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	459	1	390115 412850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	464	1	390300 412900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	470	1	390400 412950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (NW)	470	1	389650 413550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	474	1	390200 412850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	486	1	390650 413400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	492	1	390650 413450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	495	1	389650 413600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	496	1	389600 413500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	497	1	390450 412950
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water Street Cso Adjacent 39 Water Street, Rochdale, ., Greater Manchester, OL16 1tl Authority: Environment Agency, North West Region Catchment Area: Unknown Reference: 01ROC0097 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 14th April 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River 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	A13NW (NW)	51	2	390060 413400
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water Street Cso Adjacent 39 Water Street, Rochdale, ., Greater Manchester, OL16 1tl Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0097 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	51	2	390060 413400
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Water Street Cso Adjacent 39 Water Street, Rochdale, ., Greater Manchester, OL16 1tl Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprqb3593rf Permit Version: 1 Effective Date: 15th April 2020 Issued Date: 15th April 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	58	2	390073 413423
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Smith St And John St Cso 35021 Junction Of Smith St And John St, ., Rochdale, Greater Manchester, OL16 1tu Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01ROC0039 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 30th March 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: The River Roch Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A13NW (N)	52	2	390110 413440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Smith St And John St Cso 35021 Junction Of Smith St And John St, ,, Rochdale, Greater Manchester, OL16 1tu Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0039 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A13NW (N)	52	2	390110 413440
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Smith St And John St Cso 35021 Junction Of Smith St And John St, ,, Rochdale, Greater Manchester, OL16 1tu Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 016993536 Permit Version: 2 Effective Date: 14th May 2018 Issued Date: 14th May 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NW (N)	65	2	390100 413450
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Smith St And John St Cso 35021 Junction Of Smith St And John St, ,, Rochdale, Greater Manchester, OL16 1tu Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 016993536 Permit Version: 1 Effective Date: 31st March 2006 Issued Date: 20th January 2006 Revocation Date: 13th May 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: The River Roch Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (N)	74	2	390100 413460
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milnrow Road/Fishwick Street Cso Milnrow Road (Fishwick Street), Rochdale, ,, Greater Manchester, OL16 5np Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016993541 Permit Version: 1 Effective Date: 27th November 2019 Issued Date: 27th November 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Via Sws Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13NE (E)	263	2	390426 413402

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Trafalgar Street /Ramsey Street Cso 106 Ramsey Street, ., Rochdale, Greater Manchester, OI16 2bx Authority: Environment Agency, North West Region Catchment Area: Roch Reference: Npswqd010102 Permit Version: 1 Effective Date: 29th March 2010 Issued Date: 29th March 2010 Revocation Date: 3rd December 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NE (E)	288	2	390450 413410
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Drake Street Cso (35038) Drake Street (The Wellington), Rochdale, ., Greater Manchester, OI16 1re Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01ROC0078 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 29th June 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A12NE (W)	315	2	389760 413400
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Drake Street Cso (35038) Drake Street (The Wellington), Rochdale, ., Greater Manchester, OI16 1re Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0078 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12NE (W)	315	2	389760 413400
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Penn St W44, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0079 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 29th April 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Not Supplied Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A12NE (W)	317	2	389760 413410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Penn St W44, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0079 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12NE (W)	317	2	389760 413410
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Drake Street Cso (35038) Drake Street (The Wellington), Rochdale, .. Greater Manchester, OI16 1re Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01roc0078 Permit Version: 3 Effective Date: 30th June 2006 Issued Date: 11th July 2005 Revocation Date: 30th September 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12NE (W)	344	2	389730 413400
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Drake Street Cso (35038) Drake Street (The Wellington), Rochdale, .. Greater Manchester, OI16 1re Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01roc0078 Permit Version: 4 Effective Date: 1st October 2020 Issued Date: 1st October 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Culverted River Roch Via Sws Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12NE (W)	345	2	389733 413419
5	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ramsey St W24, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01ROC0071 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 29th March 2010 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	A14NW (NE)	326	2	390460 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ramsey St W24, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0071 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	326	2	390460 413500
5	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Trafalgar Street /Ramsey Street Cso 106 Ramsey Street, ., Rochdale, Greater Manchester, OI16 2bx Authority: Environment Agency, North West Region Catchment Area: Roch Reference: Npswqd010102 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: River Roch Via Sws Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	329	2	390455 413515
6	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milnrow Road/Pine Street Cso 147 Milnrow Road, Newhey, Rochdale, Greater Manchester, OI16 5dn Authority: Environment Agency, North West Region Catchment Area: Unknown Reference: 01ROC0091 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 11th November 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River 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	A14SW (E)	348	2	390500 413260
6	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milnrow Road/Pine Street Cso 147 Milnrow Road, Newhey, Rochdale, Greater Manchester, OI16 5dn Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0091 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A14SW (E)	348	2	390500 413260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milnrow Road/Fishwick Street Cso Milnrow Road (Fishwick Street), Rochdale, .., Greater Manchester, OI16 5np Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprqb3590vt Permit Version: 1 Effective Date: 15th April 2020 Issued Date: 15th April 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Moss Brook, Trib Of River Roch Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	389	2	390480 413128
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Yorkshire Street Cso 35022 Yorkshire Street, .., Rochdale, Greater Manchester, OI16 1bh Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01roc0058 Permit Version: 4 Effective Date: 2nd July 2018 Issued Date: 2nd July 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (W)	448	2	389620 413350
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Yorkshire Street Cso 35022 Yorkshire Street, .., Rochdale, Greater Manchester, OI16 1bh Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01roc0058 Permit Version: 3 Effective Date: 31st March 2006 Issued Date: 11th July 2005 Revocation Date: 1st July 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SE (W)	448	2	389620 413350
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Yorkshire Street Cso 35022 Yorkshire Street, .., Rochdale, Greater Manchester, OI16 1bh Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01ROC0058 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 30th March 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A12NE (W)	450	2	389620 413380

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Yorkshire Street Cso 35022 Yorkshire Street, ., Rochdale, Greater Manchester, OL16 1bh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0058 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12NE (W)	450	2	389620 413380
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Toad Lane - High Street Cso, Off Toad Lane & High Street Junc, Rochdale, Greater Manchester, OL12 0nu Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950161 Permit Version: 3 Effective Date: 28th October 2020 Issued Date: 28th October 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SE (W)	462	2	389606 413350
9	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: St Marys Gate/Cheetham Street Cso 16 Cheetham Street, (St Marys Gate), Rochdale, Greater Manchester, OL16 1dg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprqb3591ea Permit Version: 1 Effective Date: 15th April 2020 Issued Date: 15th April 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Lord Burn, Trib Of River Roch Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	492	2	389723 413686
9	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: St Marys Gate/Cheetham Street Cso 16 Cheetham Street, (St Marys Gate), Rochdale, Greater Manchester, OL16 1dg Authority: Environment Agency, North West Region Catchment Area: Unknown Reference: 01ROC0055 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 14th April 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River 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	A17SE (NW)	511	2	389740 413730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: St Marys Gate/Cheetham Street Cso 16 Cheetham Street, (St Marys Gate), Rochdale, Greater Manchester, OL16 1dg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0055 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Not Supplied Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	511	2	389740 413730
10	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milnrow Road/Fishwick Street Cso Milnrow Road (Fishwick Street), Rochdale, .. Greater Manchester, OL16 5np Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0103 Permit Version: 3 Effective Date: 23rd June 2004 Issued Date: 23rd June 2004 Revocation Date: 26th November 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Not Supplied Receiving Water: River Roch Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	551	2	390500 412920
10	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milnrow Road/Fishwick Street Cso Milnrow Road (Fishwick Street), Rochdale, .. Greater Manchester, OL16 5np Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0103 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 22nd June 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Not Supplied Receiving Water: River Roch Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	551	2	390500 412920
10	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milnrow Road/Fishwick Street Cso Milnrow Road (Fishwick Street), Rochdale, .. Greater Manchester, OL16 5np Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0027 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Not Supplied Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	551	2	390500 412920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milnrow Road/Fishwick Street Cso Milnrow Road (Fishwick Street), Rochdale, .. Greater Manchester, OL16 5np Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0103 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	551	2	390500 412920
10	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milnrow Road/Fishwick Street Cso Milnrow Road (Fishwick Street), Rochdale, .. Greater Manchester, OL16 5np Authority: Environment Agency, North West Region Catchment Area: Unknown Reference: 01ROC0027 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 14th April 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River 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	A9NW (SE)	555	2	390500 412915
11	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Milnrow Road/Pine Street Cso 147 Milnrow Road, Newhey, Rochdale, Greater Manchester, OL16 5dn Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprsb3396vr Permit Version: 1 Effective Date: 11th November 2020 Issued Date: 11th November 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Via Sws Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A14SW (E)	680	2	390792 413091
12	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Yorkshire St Oswald St Cso 35024 Yorkshire Street, .. Rochdale, Greater Manchester, OL16 2ef Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01ROC0067 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 19th January 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hey Brook Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A18NE (NE)	709	2	390440 414030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Yorkshire St Oswald St Cso 35024 Yorkshire Street, ., Rochdale, Greater Manchester, OI16 2ef Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0067 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Not Supplied Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A18NE (NE)	709	2	390440 414030
12	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Yorkshire St Oswald St Cso 35024 Yorkshire Street, ., Rochdale, Greater Manchester, OI16 2ef Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 016993538 Permit Version: 2 Effective Date: 2nd July 2018 Issued Date: 2nd July 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Not Supplied Receiving Water: Hey Brook Trib Of River Roch Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NE (NE)	718	2	390440 414040
12	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Yorkshire St Oswald St Cso 35024 Yorkshire Street, ., Rochdale, Greater Manchester, OI16 2ef Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 016993538 Permit Version: 1 Effective Date: 20th January 2006 Issued Date: 20th January 2006 Revocation Date: 1st July 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Not Supplied Receiving Water: Hey Brook Trib Of River Roch Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NE (NE)	718	2	390440 414040
13	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Manchester Rd Cso (351tt), Rochdale, Greater Manchester, OI16 1aq Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0082 Permit Version: 3 Effective Date: 11th November 2004 Issued Date: 11th November 2004 Revocation Date: 25th October 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Not Supplied Receiving Water: River Roch Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 10m	A12SW (W)	741	2	389340 413200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Manchester Rd Cso (351tt), Rochdale, Greater Manchester, OL16 1aq Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0082 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 10th November 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Revoked: New Consent issued (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m	A12SW (W)	741	2	389340 413200
13	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Manchester Rd Cso (351tt), Rochdale, Greater Manchester, OL16 1aq Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0082 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12SW (W)	741	2	389340 413200
13	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Manchester Rd Cso (351tt), Rochdale, Greater Manchester, OL16 1aq Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0082 Permit Version: 4 Effective Date: 26th October 2020 Issued Date: 26th October 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Via Sws Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12SW (W)	764	2	389316 413203
14	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Toad Lane - High Street Cso, Off Toad Lane & High Street Junc, Rochdale, Greater Manchester, OL12 0nu Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950161 Permit Version: 2 Effective Date: 11th July 2005 Issued Date: 11th July 2005 Revocation Date: 27th October 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SW (W)	788	2	389280 413340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Toad Lane - High Street Cso, Off Toad Lane & High Street Junc, Rochdale, Greater Manchester, OL12 0nu Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016950161 Permit Version: 1 Effective Date: 9th June 1976 Issued Date: 9th June 1976 Revocation Date: 10th July 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A12SW (W)	788	2	389280 413340
15	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Stanney Road Cso Stanney Road (Via Belfield Road), Behind Trafalgar Centre, Rochdale, Greater Manchester, OL16 2ux Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd010735 Permit Version: 2 Effective Date: 15th April 2020 Issued Date: 15th April 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Stanney Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	880	2	390912 413825
15	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Stanney Road Cso Stanney Road (Via Belfield Road), Behind Trafalgar Centre, Rochdale, Greater Manchester, OL16 2ux Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd010735 Permit Version: 1 Effective Date: 31st March 2013 Issued Date: 27th March 2013 Revocation Date: 14th April 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Stanney Brook Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	880	2	390912 413825
16	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Belfield Road/Beswicke Royds St Cso 71 Belfield Road, Rochdale, ., Greater Manchester, OL16 2uy Authority: Environment Agency, North West Region Catchment Area: Unknown Reference: 01ROC0069 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 15th April 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River 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	A19NE (NE)	965	2	390860 414030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Belfield Road/Beswicke Royds St Cso 71 Belfield Road, Rochdale, ., Greater Manchester, OL16 2uy Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0069 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	965	2	390860 414030
16	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Belfield Road/Beswicke Royds St Cso 71 Belfield Road, Rochdale, ., Greater Manchester, OL16 2uy Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprqb3592vz Permit Version: 1 Effective Date: 15th April 2020 Issued Date: 15th April 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Sanney Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	972	2	390866 414035
17	Discharge Consents Operator: Charlie Browns Autocentre Plc Property Type: LAND TRANSPORT + VIA PIPELINES/FREIGHT Location: Charlie Browns Autocentre Swo Entwistle Road, Molesworth Street, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991347 Permit Version: 1 Effective Date: 1st November 1994 Issued Date: Not Supplied Revocation Date: 1st November 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A11SE (W)	996	2	389100 413100
18	Enforcement and Prohibition Notices Location: Melloroid Works, Belfield Road, ROCHDALE, Lancashire, OL16 2XA Permit Reference: Not Given Enforcement Date: Not Supplied Details: HMIP Annual Report, Odour due to ammonia released to air and sewer, under EPA90. Positional Accuracy: Unknown	A19SW (NE)	793	2	390758 413887
19	Integrated Pollution Controls Name: British Millerrain Co Ltd Location: Melloroid Works, Belfield Road, ROCHDALE, Lancashire, OL16 2XA Authority: Environment Agency, North West Region Permit Reference: AM9519 Dated: 5th May 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.5 A (B) Coating processes and Printing within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	790	2	390758 413882

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Integrated Pollution Controls Name: British Millerrain Co Ltd Location: Melloroid Works, Belfield Road, ROCHDALE, Lancashire, OL16 2XA Authority: Environment Agency, North West Region Permit Reference: AJ8214 Dated: 22nd December 1993 Process Type: IPC new application Description: 6.5 A (B) Coating processes and Printing within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	793	2	390763 413882
19	Integrated Pollution Controls Name: British Millerrain Co Ltd Location: Melloroid Works, Belfield Road, ROCHDALE, Lancashire, OL16 2XA Authority: Environment Agency, North West Region Permit Reference: BG0504 Dated: 17th May 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.5 A (B) Coating processes and Printing within Miscellaneous Industries Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	797	2	390763 413887
19	Integrated Pollution Controls Name: British Millerrain Co Ltd Location: Melloroid Works, Belfield Road, ROCHDALE, Lancashire, OL16 2XA Authority: Environment Agency, North West Region Permit Reference: BC8422 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.5 A (B) Coating processes and Printing within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	800	2	390763 413892
20	Integrated Pollution Controls Name: Alpha Fry Technologies Location: Mayfield Street, ROCHDALE, Lancashire, OL16 2NB Authority: Environment Agency, North West Region Permit Reference: BD1954 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (E) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A19NE (NE)	973	2	390818 414084
20	Integrated Pollution Controls Name: Alpha Fry Technologies Location: Dean Street, ROCHDALE, Lancashire, OL16 2NA Authority: Environment Agency, North West Region Permit Reference: BI3172 Dated: 8th June 2000 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (E) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Unknown	A19NE (NE)	976	2	390818 414089
20	Integrated Pollution Controls Name: Alpha Fry Technologies Location: Dean Street, ROCHDALE, Lancashire, OL16 2NA Authority: Environment Agency, North West Region Permit Reference: AS4168 Dated: 24th November 1997 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 2.2 A (E) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A19NE (NE)	976	2	390818 414089
20	Integrated Pollution Controls Name: Alpha Fry Technologies Location: MAYFIELD STREET,, ROCHDALE, LANCASHIRE, OL16 2NB Authority: Environment Agency, North West Region Permit Reference: BF6124 Dated: 23rd April 1999 Process Type: IPC minor (non-substantial) variation to previous variation Description: 2.2 A (E) Non-ferrous Metal processes within the Metal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the road within the address or location	A19NE (NE)	983	2	390815 414101

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Integrated Pollution Prevention And Control Name: British Millerrain Company Ltd Location: Melleroid Works, Belfield Road, Rochdale, Lancashire, OL16 2XA Authority: Environment Agency, North West Region Permit Reference: ZP3238XM Original Permit Ref: Bs0035ix Effective Date: 14th April 2009 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A19SW (NE)	806	2	390725 413941
21	Integrated Pollution Prevention And Control Name: British Millerrain Company Limited Location: The British Millerrain Co. Ltd, Melloroid Works, The British Millerrain Co. Ltd, Belfield Road,, Rochdale, Lancashire, OL16 2XA Authority: Environment Agency, North West Region Permit Reference: Bs0035ix Original Permit Ref: Bs0035ix Effective Date: 19th November 2003 Status: Superseded Application Type: Surrender App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: COATING, PRINTING AND TEXTILES; PRE-TREATING (BY OPERATIONS SUCH AS WASHING, BLEACHING OR MERCERIZATION) OR DYEING FIBRES OR TEXTILES IN PLANT WITH A TREATMENT CAPACITY OF MORE THAN 10 TONNES PER DAY Primary Activity: Y	A19SW (NE)	806	2	390725 413941
22	Integrated Pollution Prevention And Control Name: Quat-Chem Limited Location: Quat-Chem Limited, 4, Quat-Chem Limited, Dodgson Street, Rochdale,, Lancashire, OL16 5SJ Authority: Environment Agency, North West Region Permit Reference: BP3630FS Original Permit Ref: Bp3630fs Effective Date: 16th November 2020 Status: Effective Application Type: Variation (Substantial) App. Sub Type: Not Supplied Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y	A8SE (SE)	808	2	390450 412590
22	Integrated Pollution Prevention And Control Name: Quatchem Limited Location: Quatchem - Dodgson Street - Epr/Bp3630fs, Unit 1, Dodgson Street,, ROCHDALE, Lancashire, OL16 5SJ Authority: Environment Agency, North West Region Permit Reference: GP3738VW Original Permit Ref: Bp3630fs Effective Date: 2nd June 2014 Status: Superseded By Variation Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (II) Activity Description: Organic Chemicals; Oxygen Containing Compounds Eg Alcohols Primary Activity: N Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y	A8SE (SE)	808	2	390450 412590

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Integrated Pollution Prevention And Control Name: Quatchem Limited Location: Quatchem Limited Sr2009no2, Unit 1, Dodgson Street,,, ROCHDALE, Lancashire, OL16 5SJ Authority: Environment Agency, North West Region Permit Reference: UP3634HG Original Permit Ref: Up3634hg Effective Date: Not Supplied Status: Valid Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y	A8SE (S)	840	2	390384 412525
24	Integrated Pollution Prevention And Control Name: Quat-Chem Limited Location: Quat-Chem Limited, 4, Dodgson Street,Rochdale,, Lancashire, OL16 5SJ Authority: Environment Agency, North West Region Permit Reference: DP3409PB Original Permit Ref: Bp3630fs Effective Date: 16th November 2020 Status: Effective Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y	A9SW (SE)	863	2	390509 412557
25	Integrated Pollution Prevention And Control Name: Alpha Fry Technologies Location: Mayfield Street, Rochdale, Lancashire, OL16 2nb Authority: Environment Agency, North West Region Permit Reference: BL4320 Original Permit Ref: BL4320 Effective Date: 13th January 2003 Status: Effective Application Type: Not Supplied App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 2.2 A(1) (B) (I) Activity Description: Non-Ferrous Metals; Melting With Capacity Greater Than 4T/D Lead/Cadmium Or 20T/D Others Primary Activity: Not Supplied	A19NE (NE)	981	2	390815 414099
26	Local Authority Pollution Prevention and Controls Name: Taylor Engineering & Plastics Ltd Location: Molesworth Street, ROCHDALE, Lancashire, OL16 2BD Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: P/34/06 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/29 Di-isocyanate processes Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	95	3	390224 413283
27	Local Authority Pollution Prevention and Controls Name: Taylor Engineering & Plastics Location: 3 March Street, Rochdale, Lancashire, OL16 2AP Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 135/11 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic Status: Permitted Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	158	3	390286 413256
28	Local Authority Pollution Prevention and Controls Name: Molesworth Street Service Station Location: Molesworth Street, ROCHDALE, Lancashire, OL16 1TP Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	204	3	390235 413159

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Local Authority Pollution Prevention and Controls Name: Isaac Butterworth Ironfounders Location: Nile Street, ROCHDALE, Lancashire, OL16 2JG Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 13 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorised Positional Accuracy: Automatically positioned to the address	A13NE (NE)	235	3	390375 413466
29	Local Authority Pollution Prevention and Controls Name: Isaac Butterworths Location: Nile Street, ROCHDALE, Lancashire, OL16 2JG Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 13 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/3 Electrical and rotary furnaces Status: Authorised Positional Accuracy: Automatically positioned to the address	A13NE (NE)	235	3	390375 413466
30	Local Authority Pollution Prevention and Controls Name: Thomas Sandiford (Rochdale) Ltd Location: Injector Works, Liley Street, ROCHDALE, Lancashire, OL16 2AR Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 56 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	236	3	390355 413216
31	Local Authority Pollution Prevention and Controls Name: Cemex Uk Materials Ltd Location: Nile Street, ROCHDALE, Lancashire, OL16 2JQ Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: P9/04 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Authorised Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	297	3	390415 413521
32	Local Authority Pollution Prevention and Controls Name: Northern Accident Repair Ltd Location: Wood Street, Rochdale, OL16 5qn Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 126/09 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Manually positioned to the address or location	A8NW (S)	305	3	390110 413005
33	Local Authority Pollution Prevention and Controls Name: Fletcher Bolton Location: Station Yard Sawmills, Wood Street, ROCHDALE, Lancashire, OL16 5QN Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A8NE (S)	364	3	390194 412963
33	Local Authority Pollution Prevention and Controls Name: Dresser Mouldings (Rochdale) Ltd Location: Wood Street, ROCHDALE, Lancashire, OL16 Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: P30/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorised Positional Accuracy: Manually positioned to the address or location	A8NE (S)	366	3	390199 412962

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Local Authority Pollution Prevention and Controls Name: Henly Ford Location: Oldham Road, ROCHDALE, Lancashire, OL11 1BU Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 22 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorised Positional Accuracy: Manually positioned to the address or location	A8NW (S)	456	3	390079 412853
35	Local Authority Pollution Prevention and Controls Name: Taylor Engineering & Plastics Location: Unit 18 Chichester Business Centre, Chichester Street, Rochdale, Lancashire, OL16 2AU Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 136/11 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG4/2 Processes for the manufacture of fibre reinforced plastics Status: Permitted Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	471	3	390519 413046
36	Local Authority Pollution Prevention and Controls Name: Farrel Ltd Location: Queensway, Castleton, Rochdale, Greater Manchester, OL11 2PF Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 36/06 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/28 Rubber processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A12SE (W)	510	3	389558 413347
37	Local Authority Pollution Prevention and Controls Name: Ceylon Service Station Location: 278 Yorkshire Street, ROCHDALE, Lancashire, OL16 2DR Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 95/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A18SE (N)	519	3	390240 413898
38	Local Authority Pollution Prevention and Controls Name: Clover Garage Location: Worsley Street, ROCHDALE, Lancashire, OL16 5DJ Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: P60/06 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorised Positional Accuracy: Automatically positioned to the address	A14SW (SE)	601	3	390674 413037
39	Local Authority Pollution Prevention and Controls Name: Mellor Coachcraft Ltd Location: Miall Street, Deepdish, ROCHDALE, Lancashire, OL11 1HY Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 58/10 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorised Positional Accuracy: Automatically positioned to the address	A8SW (S)	787	3	389968 412530
40	Local Authority Pollution Prevention and Controls Name: British Millerain (1922) Ltd Location: Melleroid Works, Belfield Road, ROCHDALE, Lancashire, OL16 2XA Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 49 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Transferred to IPPC Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	798	3	390761 413892

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	Local Authority Pollution Prevention and Controls Name: Manson Timber Location: Whitworth Road, ROCHDALE, Lancashire, OL12 0RB Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 1 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Site Closed Positional Accuracy: Automatically positioned to the address	A17NE (NW)	810	3	389772 414118
41	Local Authority Pollution Prevention and Controls Name: Whitworth Road Service Station Location: 111 Whitworth Road, ROCHDALE, Lancashire, OL12 0RA Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 97/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A18NW (N)	845	3	389780 414161
42	Local Authority Pollution Prevention and Controls Name: David Tully & Co Location: Hamer Lane, ROCHDALE, Lancashire, OL16 2UL Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 107/07 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorised Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	891	3	390650 414118
43	Local Authority Pollution Prevention and Controls Name: Johnsons Dry Cleaners Location: Dane Street, Rochdale, OL12 Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 115/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A12SW (W)	891	3	389182 413241
44	Local Authority Pollution Prevention and Controls Name: Henry Leigh Slater Location: Norwich Street, ROCHDALE, Greater Manchester, OL11 Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 26 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/17 Printing of flexible packaging Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	938	3	390193 412378
45	Local Authority Pollution Prevention and Controls Name: Asda Petrol Site Location: The Old Cricket Ground, Dane Street, ROCHDALE, Lancashire, OL12 6XT Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 74/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A12SW (W)	939	3	389149 413145
	Nearest Surface Water Feature	A13NW (NW)	42	-	390052 413389
46	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Roch; No Pollution Found Incident Date: 14th March 1995 Incident Reference: 95620521 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	49	2	390200 413395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	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: River Roch Incident Date: 24th October 1995 Incident Reference: 95622622 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	52	2	390200 413400
47	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: River Roch Incident Date: 2nd March 1995 Incident Reference: 95620440 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (N)	112	2	390100 413500
48	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: River Roch Incident Date: 7th July 1995 Incident Reference: 95621670 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	139	2	390300 413395
48	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: River Roch/Moss Bk Incident Date: 22nd November 1993 Incident Reference: 93622163 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	140	2	390300 413400
48	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Seen Incident Date: 6th July 1994 Incident Reference: 94621493 Catchment Area: Roch Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (E)	145	2	390305 413400
49	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Fire water / Foam Note: None Affected; Fire Water Run-Off Incident Date: 21st April 1996 Incident Reference: 96620853 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (E)	146	2	390300 413300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Roch Incident Date: 8th November 1995 Incident Reference: 95622735 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	164	2	390001 413501
51	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Trafalgar St , ROCHDALE Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Roch; Oil/Diesel Incident Date: 17th March 1997 Incident Reference: 97620450 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	273	2	390400 413500
52	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: Storm Sewage Note: River Roch; Sewage Debris Incident Date: 14th July 1995 Incident Reference: 95621765 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: High Flow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	310	2	390100 413700
53	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Not Given Note: None Pollution Found Incident Date: 8th November 1993 Incident Reference: 93622094 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	331	2	390200 413000
54	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; Oil Reported Incident Date: 21st November 1996 Incident Reference: 96622392 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	374	2	390300 413000
55	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Seen Incident Date: 11th October 1994 Incident Reference: 94622241 Catchment Area: Roch Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	473	2	389600 413400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; Oil Reported Incident Date: 14th August 1996 Incident Reference: 96621802 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	591	2	389500 413500
57	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Foxholes Brook Incident Date: 21st October 1993 Incident Reference: 93621980 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	665	2	390400 414000
58	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: Hey Brook; Solid Refuse Incident Date: 25th February 1996 Incident Reference: 96620468 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	734	2	389500 413800
59	Pollution Incidents to Controlled Waters Property Type: WSC Sewage, Sewerage & Supply: Northumbrian Water Ltd Location: River Roch, Hopwood Hall College, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 6th August 1999 Incident Reference: 31075 Catchment Area: Roch Receiving Water: River Stretch (Freshwater) Cause of Incident: Drainage Failures : Combined Sewer Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	780	2	389300 413200
60	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Waste Oil Note: Tributary Hey Brook; Oil Incident Date: 10th April 1996 Incident Reference: 96620885 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	848	2	390400 414195
60	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 10th April 1996 Incident Reference: 96620711 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	853	2	390400 414200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Roch; None Pollution Found Incident Date: 22nd July 1995 Incident Reference: 95621835 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	871	2	389200 413400
62	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: River Roch; Oil Incident Date: 7th June 1996 Incident Reference: 96621257 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	883	2	389200 413495
62	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; Oil Reported Incident Date: 10th June 1996 Incident Reference: 96622611 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	884	2	389200 413500
63	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Found Incident Date: 10th November 1995 Incident Reference: 95622762 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	933	2	389300 412800
64	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Buckley Brook, Park Road; Hamer, River Rochdale Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Brook Is Blue Incident Date: 5th June 1998 Incident Reference: SO980993 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	948	2	390400 414300
65	Pollution Incidents to Controlled Waters Property Type: Other Location: Limy Waters Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Limy Water; Silt Incident Date: 5th March 1997 Incident Reference: 97620383 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: In River Works Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	974	2	390900 414000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	Prosecutions Relating to Authorised Processes Location: Land Known As The Klondike, Chichester Street, Rochdale, OL15 2au Prosecution Text: Operating an illegal waste transfer station Prosecution Act: Epr10 Hearing Date: 28th October 2011 Verdict: Guilty Fine: 14484 Costs: 0 Positional Accuracy: Manually positioned within the geographical locality	A14SE (E)	666	2	390826 413266
	River Quality Name: Roch GQA Grade: River Quality C Reach: Stanney Bk To Rochdale Stw Estimated Distance (km): 4.5 Flow Rate: Flow less than 5 cumecs Flow Type: River Year: 2000	A13NW (N)	126	2	390115 413517
	River Quality Name: Hey Bk GQA Grade: River Quality A Reach: Qsl At Buckley Resvr. To Roch Estimated Distance (km): 3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A14NW (NE)	494	2	390564 413651
	River Quality Name: Roch GQA Grade: River Quality B Reach: Beal To Stanney Bk Estimated Distance (km): 1.3 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	A19SW (NE)	760	2	390788 413796
	River Quality Name: Stanney Bk GQA Grade: River Quality E Reach: Qsl At Newbold To Roch Estimated Distance (km): 1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A19SW (NE)	760	2	390788 413796
67	River Quality Biology Sampling Points Name: Roch Reach: Stanney Brook To Rochdale Stw Estimated Distance: 4.50 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade F - Bad Year: 1995 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2000 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2002 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2003 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2004 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2005 GQA Grade: River Quality Biology GQA Grade 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	A19SE (NE)	824	2	390820 413860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	River Quality Chemistry Sampling Points Name: Hey Brook Reach: QSI At Buckley Reservoir To Roch Estimated Distance: 3.00 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A19SW (NE)	648	2	390673 413762
69	Water Abstractions Operator: Rochdale M B C Licence Number: 2569002147 Permit Version: Not Supplied Location: Borehole, Public Baths, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 68 Yearly Rate (m3): 14774 Details: Additional Purpose: Domestic - household; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (E)	144	2	390305 413395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	Water Abstractions Operator: Transport For Greater Manchester Licence Number: Nw/069/0002/001 Permit Version: 2 Location: River Roch At Rochdale Weir Authority: Environment Agency, North West Region Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Rochdale Weir, Rochdale Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	152	2	389917 413325
70	Water Abstractions Operator: Greater Manchester Passenger Transport Executive Licence Number: Nw/069/0002/001 Permit Version: 1 Location: River Roch At Rochdale Weir Authority: Environment Agency, North West Region Abstraction: Production Of Energy: Hydroelectric Power Generation Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Rochdale Weir, Rochdale Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 15th June 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	152	2	389917 413325
70	Water Abstractions Operator: Transport For Greater Manchester Licence Number: Nw/069/0002/003 Permit Version: 2 Location: River Roch At Rochdale Weir Authority: Environment Agency, North West Region Abstraction: Environmental: Remedial River/Wetland Support: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 23rd June 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	153	2	389916 413325
70	Water Abstractions Operator: Greater Manchester Passenger Transport Executive Licence Number: Nw/069/0002/003 Permit Version: 1 Location: River Roch At Rochdale Weir Authority: Environment Agency, North West Region Abstraction: Environmental: Remedial River/Wetland Support: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 15th June 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (W)	153	2	389916 413325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	Water Abstractions Operator: Greater Manchester Waste Disposal Licence Number: 2365 Permit Version: Not Supplied Location: Premises, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: River Daily Rate (m3): 582000 Yearly Rate (m3): 211000000 Details: River Roch; Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SE (E)	241	2	390400 413300
71	Water Abstractions Operator: Greater Manchester Waste Disposal Licence Number: 2569002210 Permit Version: Not Supplied Location: River Roch, ROCHDALE Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 582 Yearly Rate (m3): 211000 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SE (E)	242	2	390400 413295
72	Water Abstractions Operator: Holcroft Castings & Forgings Ltd Licence Number: 2569002173 Permit Version: Not Supplied Location: Two Wells And Borehole, Rochdale Works, ROCHDALE Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 23 Yearly Rate (m3): 7274 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	605	2	389800 413900
73	Water Abstractions Operator: British Millerrain 1922 Co Ltd Licence Number: 2569002249 Permit Version: 100 Location: River Roch At Melloroid Works Belfield Road Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1136 Yearly Rate (m3): 213662 Details: Land/Premises At Melloroid Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th November 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	773	2	390800 413800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J & J Makin Convertors Ltd Licence Number: 2569002076 Permit Version: 100 Location: Rochdale Canal At Rochdale, Lancs Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 391 Yearly Rate (m3): 136380 Details: Premises At Norwich Street, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NE (S)	1032	2	390300 412300
	Water Abstractions Operator: Riggs Ltd Licence Number: 2569002113 Permit Version: Not Supplied Location: Rochdale, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 27 Yearly Rate (m3): 4319 Details: Rochdale Canal Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	1045	2	390600 412400
	Water Abstractions Operator: Rochdale Sheet Metal Co Ltd Licence Number: 2569002100 Permit Version: 100 Location: Jackwell Fed By Rochdale Canal@ Premises,Globe Machine Works Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 7 Yearly Rate (m3): 1023 Details: Premises At Globe Machine Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	1129	2	390900 412500
	Water Abstractions Operator: J & J Makin Ltd. Licence Number: 2569002097 Permit Version: Not Supplied Location: Rochdale Canal, Moss Bridge Road, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 9 Yearly Rate (m3): 3410 Details: Licence Status: Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	1207	2	390900 412400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Joseph Travis Ltd. Licence Number: 2569002041 Permit Version: Not Supplied Location: Hey Brook, Red Lane, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) & Boiler Feed Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 105 Yearly Rate (m3): 11592 Details: Additional Purpose: Boiler feed; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24SW (N)	1297	2	390600 414600
	Water Abstractions Operator: Sealocrete Pla Ltd Licence Number: 2569002107 Permit Version: 100 Location: Rochdale Canal At Queensway,Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 45 Yearly Rate (m3): 10456 Details: Dicken Green Mill, Queensway Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1349	2	390070 411960
	Water Abstractions Operator: Sealocrete Pla Ltd Licence Number: 2569002107 Permit Version: 100 Location: Rochdale Canal At Queensway,Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dicken Green Mill, Queensway Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1349	2	390070 411960
	Water Abstractions Operator: Alexander Drew Ltd. Licence Number: 2569002050 Permit Version: 102 Location: Borehole At Premises, Spotland, Rochdale Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: 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: At Bridgefold Road, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1378	2	388700 413500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Alexander Drew Ltd Licence Number: 2569002050 Permit Version: 102 Location: Borehole At Premises Spotland Rochdale Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: 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: At Bridgefold Road, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1378	2	388700 413500
	Water Abstractions Operator: Alexander Drew & Sons Ltd Licence Number: 2569002050 Permit Version: 101 Location: Borehole At Premises, Spotland, Rochdale Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 682 Yearly Rate (m3): 136380 Details: At Bridgefold Road, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd May 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1378	2	388700 413500
	Water Abstractions Operator: John Bright And Brothers Ltd. Licence Number: 2569002013 Permit Version: Not Supplied Location: Foxholes Brook, Fieldhouse Mills, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 336 Yearly Rate (m3): 57853 Details: Additional Purpose: Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23NW (N)	1446	2	389800 414800
	Water Abstractions Operator: Riverside Trading Ltd Licence Number: 2569002268 Permit Version: 100 Location: Foxholes Brook At Fieldhouse Industrial Estate, Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 168 Yearly Rate (m3): 37800 Details: Land At Fieldhouse Industrial Estate, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th November 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NE (N)	1472	2	389700 414800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Joseph Travis Limited Licence Number: 2569002041 Permit Version: Not Supplied Location: Hey Brook, Red Lane, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 105 Yearly Rate (m3): 11592 Details: Additional Purpose: Boiler feed; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24NW (N)	1485	2	390600 414800
	Water Abstractions Operator: Dunphy Combustion Ltd Licence Number: 2569002178 Permit Version: 101 Location: Catchpit Fed By Surface Drainage At Premises, Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises, Queensway, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th February 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1514	2	390200 411800
	Water Abstractions Operator: Dunphy Oil & Gas Burners Ltd Licence Number: 2569002178 Permit Version: 100 Location: Catchpit Fed By Surface Drainage At Premises, Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 34 Yearly Rate (m3): 2318 Details: Premises, Queensway, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th March 1981 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1514	2	390200 411800
	Water Abstractions Operator: Courtaulds Ltd. Licence Number: 2569002003 Permit Version: Not Supplied Location: Rochdale Canal, Fir Grove, ROCHDALE Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Cooling Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 755 Yearly Rate (m3): 145290 Details: Additional Purpose: Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SE (E)	1535	2	391700 413300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Makin Metal Powders Ltd Licence Number: 2569002077 Permit Version: Not Supplied Location: Rochdale, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 1268 Yearly Rate (m3): 454600 Details: Rochdale Canal Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15SE (E)	1542	2	391700 413200
	Water Abstractions Operator: Park Yarns Rochdale Ltd Licence Number: 2569002012 Permit Version: 100 Location: Reservoir Fed By Buckley Brk At Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 39 Yearly Rate (m3): 3384 Details: Premises, Park Mill, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st May 1981 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24NW (N)	1613	2	390700 414900
	Water Abstractions Operator: George Eaton Limited Licence Number: 2569002099 Permit Version: Not Supplied Location: Reservoir Fed By Spring At, Howarth Cross Mill, SMALLBRIDGE Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Slaughtering Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 1 Yearly Rate (m3): 236 Details: Additional Purpose: Slaughtering; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1687	2	391200 414700
	Water Abstractions Operator: John Bright And Brothers Ltd. Licence Number: 2569002011 Permit Version: Not Supplied Location: Catchpit Fed By Shawclough Brook, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: River Daily Rate (m3): 87 Yearly Rate (m3): 5682 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NW (NW)	1810	2	389301 415001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Jack Travis Licence Number: 2569002261 Permit Version: 100 Location: Ash Brook At Smallbridge, Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 12 Yearly Rate (m3): 4380 Details: Land At Roche Mill, Smallbridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25NW (NE)	1893	2	391400 414800
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A13SW (SW)	0	4	390115 413349
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (SW)	0	4	390115 413349
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (SW)	0	4	390115 413349
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	34	2	390151 413420
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	37	2	390052 413372
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	37	2	390151 413424
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	41	2	390052 413380
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NW (W)	89	2	389983 413360
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NE (NE)	117	2	390265 413422
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (W)	49	2	390019 413339

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (W)	60	2	390010 413352
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NE (E)	250	2	390412 413407
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1413.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13NW (NW)	47	5	390046 413390
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13SW (W)	143	5	389925 413337
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 2	A13SW (W)	144	5	389925 413321
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13NW (W)	150	5	389920 413355
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 210.2 Watercourse Level: Underground Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A13NW (W)	215	5	389871 413421
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12NE (W)	401	5	389671 413390
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	446	5	389650 413180
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	455	5	389644 413173

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	455	5	389642 413176
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.9 Watercourse Level: Underground Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12NE (W)	455	5	389614 413357
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	461	5	389638 413169
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	461	5	389637 413173
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	466	5	389634 413167
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	466	5	389632 413171
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	470	5	389631 413163
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	470	5	389629 413169
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	476	5	389626 413162

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	476	5	389623 413166
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	478	5	389627 413152
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	480	5	389620 413164
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 677.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A12SE (W)	599	5	389478 413237
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 289.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hey Brook Catchment Name: Mersey Primacy: 1	A19SW (NE)	606	5	390636 413741
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A19SW (NE)	610	5	390673 413697
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A19SW (NE)	621	5	390679 413708
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A19SW (NE)	622	5	390679 413710
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 267.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hey Brook Catchment Name: Mersey Primacy: 1	A19SW (NE)	710	5	390534 413978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Hey Brook Catchment Name: Mersey Primacy: 1	A19SW (NE)	724	5	390597 413949
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Foxholes Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	762	5	390313 414130
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 294.1 Watercourse Level: Underground Permanent: True Watercourse Name: Foxholes Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	762	5	390313 414130
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Foxholes Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	776	5	390346 414137
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 311.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stanney Brook Catchment Name: Mersey Primacy: 1	A19SE (NE)	778	5	390797 413813
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1297.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A19SE (NE)	778	5	390797 413813
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Foxholes Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	788	5	390402 414131
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Foxholes Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	788	5	390400 414132
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 271.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Hey Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	791	5	390433 414122

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Foxholes Brook Catchment Name: Mersey Primacy: 1	A18NW (N)	915	5	390076 414305
110	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 75.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	926	5	390286 412406
111	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8SE (S)	987	5	390367 412364
112	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 163.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8SE (S)	987	5	390452 412393
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1522.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Roch Catchment Name: Mersey Primacy: 1	A11SE (W)	987	5	389094 413179
114	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 39.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A8SE (S)	991	5	390344 412354
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 112.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Spodden Catchment Name: Mersey Primacy: 1	A11SE (W)	992	5	389083 413216
116	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 16.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A9SW (SE)	997	5	390523 412415
117	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 69.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A9SW (SE)	997	5	390523 412415

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	OS Water Network Lines Watercourse Form: Lock or flight of locks Watercourse Length: 23.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 1	A9SW (SE)	1000	5	390538 412420
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 244.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stanney Brook Catchment Name: Mersey Primacy: 1	A19SE (NE)	1000	5	391080 413762

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	BGS Recorded Landfill Sites Site Name: Waithlands Tip Location: ROCHDALE, Gt Manchester Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A13NE (E)	284	-	390446 413405
121	Historical Landfill Sites Licence Holder: Greater Manchester Waste Disposal Authority Location: Milnrow, Richdale, Greater Manchester Name: Waithlands Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15715 First Input Date: 31st December 1922 Last Input Date: 7th July 1985 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9711 BGS Ref: 1851 Other Ref: D026, RD/RES/045/80	A13SE (E)	270	2	390435 413328
122	Historical Landfill Sites Licence Holder: Rochdale Timber Company Location: Rochdale Name: Fishwick Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15532 First Input Date: 1st July 1987 Last Input Date: 31st December 1989 Specified Waste Type: Deposited Waste included Inert, Industrial and Commercial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9254 BGS Ref: Not Supplied Other Ref: RD/LIC/477/87	A8NE (S)	571	2	390258 412766
123	Historical Landfill Sites Licence Holder: Birchinley Waste Management Limited Location: Between Chichester Street And Belfield Street Name: Adjoining Rochdale-Leeds Railway Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15719 First Input Date: 30th September 1989 Last Input Date: 31st December 1990 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9318 BGS Ref: Not Supplied Other Ref: D088, RD/LIC/544/89	A14SE (E)	681	2	390824 413183
124	Historical Landfill Sites Licence Holder: W M Tatham Limited Location: Land off Belfield Lane, Rochdale, Lancashire Name: Land off Belfield Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD17951 First Input Date: 31st December 1942 Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 53717 Regis Ref: NR1/L/WMT001 WRC Ref: 4200/9197 BGS Ref: Not Supplied Other Ref: D007, WML/324	A14NE (E)	727	2	390893 413355

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	Historical Landfill Sites Licence Holder: Not Supplied Location: Regent Street, Rochdale, Greater Manchester Name: Carrex Metals Limited Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15703 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: D085	A18NW (N)	794	2	390043 414180
126	Historical Landfill Sites Licence Holder: F Greenwood and Sons Limited Location: Stanley Road, Off Belfield Road, Rochdale, Greater Manchester Name: Stanley Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD17867 First Input Date: 31st December 1959 Last Input Date: 31st December 1988 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9268 BGS Ref: Not Supplied Other Ref: RD/LIC/248/82	A19SE (NE)	930	2	390917 413908
127	Historical Landfill Sites Licence Holder: Rochdale Borough Planning and Estates Officer Location: Taylor Street and Greenbank Road, Rochdale Name: Disused Railway cutting between Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15698 First Input Date: 30th April 1988 Last Input Date: 31st October 1988 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9358 BGS Ref: Not Supplied Other Ref: D086, RD/LIC/504/88	A18NW (N)	975	2	389961 414352
128	Integrated Pollution Control Registered Waste Sites Name: Greater Manchester Waste Ltd Location: Rochdale Incineration Plant, Entwisle Road, ROCHDALE, Lancashire, OL16 2JE Authority: Environment Agency, North West Region Permit Reference: AM0244 Dated: 15th February 1994 Process Type: IPC minor (non-substantial) variation to previous variation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A13NE (NE)	185	2	390311 413474
128	Integrated Pollution Control Registered Waste Sites Name: Greater Manchester Waste Ltd Location: Rochdale Incineration Plant, Entwisle Road, ROCHDALE, Lancashire, OL16 2JE Authority: Environment Agency, North West Region Permit Reference: AG8381 Dated: 30th July 1993 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 5.1 A (C) Incineration within the Waste Disposal Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A13NE (NE)	188	2	390311 413479

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	Licensed Waste Management Facilities (Landfill Boundaries) Name: Belfield Lane Landfill Site Licence Number: 53717 Location: Belfield Lane, Rochdale, Lancashire, OL16 Licence Holder: W M Tatham Ltd Authority: Environment Agency - North West Region, South Area Site Category: Industrial Waste Landfills Max Input Rate: Small (Less than 25,000 tonnes per year) Licence Status: Inactive Issued: 3rd May 1994 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A14NE (E)	727	2	390893 413355
130	Licensed Waste Management Facilities (Locations) Licence Number: 53780 Location: Old Rochdale Incinerator, Entwistle Road, Rochdale, Lancashire, OL6 2HZ Operator Name: Viridor Waste (Greater Manchester) Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Special Waste Transfer Stations Licence Status: Surrendered Issued: 10th June 1993 Last Modified: 28th May 2009 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th January 2011 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (E)	194	2	390360 413357
131	Licensed Waste Management Facilities (Locations) Licence Number: 50346 Location: T A Motors, Trafalgar Street, Off Entwistle Road, Rochdale, Lancashire, OL16 2JL Operator Name: Mahmood Tahir Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: End of Life Vehicles Licence Status: Issued Issued: 2nd July 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	357	2	390448 413577
132	Licensed Waste Management Facilities (Locations) Licence Number: 100187 Location: Waithlands H W R C, T L S & I V C, Chichester Street, Rochdale, Lancashire, OL16 2AU Operator Name: S U E Z Recycling And Recovery U K Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Transferred Issued: 28th March 2008 Last Modified: 14th May 2018 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	369	2	390501 413202
133	Licensed Waste Management Facilities (Locations) Licence Number: 53513 Location: Land/premises At, Chichester Street, Rochdale, Lancashire, OL16 2AU Operator Name: Viridor Waste (Greater Manchester) Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household Waste Amenity Sites Licence Status: Revoked Issued: 1st February 1995 Last Modified: 15th June 2009 Expires: Not Supplied Suspended: Not Supplied Revoked: 7th August 2014 Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	440	2	390489 413060

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	Licensed Waste Management Facilities (Locations) Licence Number: 53593 Location: Unit 10 & 11, Chichester Street, Rochdale, Lancashire, OL16 2AU Operator Name: Allparts (Nationwide) Limited Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Transferred Issued: 6th August 1996 Last Modified: 5th June 2006 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SW (E)	441	2	390564 413168
135	Licensed Waste Management Facilities (Locations) Licence Number: 402831 Location: Unit A, Edward Street, Rochdale, Lancashire, OL16 2DU Operator Name: Heybrook Auto Parts Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Vehicle Depollution Facility <5000 tps Licence Status: Expired Issued: 2nd November 2015 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	562	2	390414 413878
136	Licensed Waste Management Facilities (Locations) Licence Number: 50467 Location: 3 Jermyn Street, Rochdale, Manchester, OL12 0DP Operator Name: CAR.I.P Limited Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: End of Life Vehicles Licence Status: Modified Issued: 4th September 2006 Last Modified: 19th September 2017 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (N)	638	2	390267 414014
137	Licensed Waste Management Facilities (Locations) Licence Number: 50453 Location: Yard One, Rugby Road, Off Yorkshire Street, Rochdale, Lancashire, OL12 0DY Operator Name: Shah Saghir Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: End of Life Vehicles Licence Status: Issued Issued: 8th June 2006 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	675	2	390307 414042

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	Licensed Waste Management Facilities (Locations) Licence Number: 50104 Location: Eagle Works, Rugby Road, Rochdale, Lancashire, OL12 0DY Operator Name: Bob's Skip Hire Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Issued Issued: 27th September 2002 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	682	2	390303 414051
138	Licensed Waste Management Facilities (Locations) Licence Number: 50378 Location: Cronshaw Industrial Estate, Lincoln Street, Deeplish, Rochdale, Lancashire, OL11 1LR Operator Name: Mohammed Asam & Habib Ahmed Latif Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: End of Life Vehicles Licence Status: Surrendered Issued: 4th April 2005 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th March 2019 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	732	2	390127 412578
139	Licensed Waste Management Facilities (Locations) Licence Number: 53753 Location: 80 Rugby Road, Rochdale, Lancashire, OL12 0DY Operator Name: Howarth Dennis Operator Location: Fenns Farm, Moorbank Lane, Milnrow, Rochdale, Lancashire, OL16 4NT Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Issued Issued: 25th February 1994 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	755	2	390250 414136
139	Licensed Waste Management Facilities (Locations) Licence Number: 53753 Location: 80 Rugby Road, Rochdale, Lancashire, OL12 0DY Operator Name: Howarth Dennis Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Modified Issued: 25th February 1994 Last Modified: 31st March 2003 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	759	2	390250 414140