



Phase 1 Preliminary Risk Assessment Proposed Residential Development on Palatine Road, Didsbury

Prepared for Marco Living

August 2024

10/2500/001 Rev. 00

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Document Control Sheet

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Client	Marco Living Ltd 81 Newton Street Manchester M1 1EX	
Document	Phase 1 Preliminary Risk Assessment	
Project Name	Proposed Residential Development on Palatine Road, Didsbury	
Reference	10/2500/001 Rev. 00	
Date	August 2024	

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Document Origin

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Executive Summary

Client	Marco Living
Location	232 to 236 Palatine Road, Didsbury M20 2WF.
Description	<p>The site is approximately 0.60 hectares in area and located to west of Didsbury, approximately 7km to the south of Manchester City centre at Ordnance Survey (OS) Coordinates 383560, 390980. The site currently comprises three residential houses with large gardens.</p> <p>Surrounding land comprises apartment buildings, houses and a large hotel with associated access roads and car parking.</p>
Development	The proposed works comprise the demolition of the existing three houses and the construction of a five storey residential development with deck access apartments, podium level car parking and a number of three-storey townhouses.
Site History	<p>Historical mapping indicates that the site comprised rural fields until the construction of three residential houses in circa 1893. The site layout has generally remained unchanged, with the inclusion of later extensions to some of the properties.</p> <p>Surrounding land has had a similar history with gradually encroaching residential developments. A large hotel was built to the northeast in the 1980's and a multistorey apartment block to the south of the site around the same time.</p>
Geology	<p>British Geological Survey mapping indicates drift deposits beneath the site comprise Alluvium overlying River Terrace Deposits and Glaciofluvial Deposits. This overlies bedrock comprising the Wilmslow Sandstone Formation.</p> <p>Given the development history of the site, a significant thickness of Made Ground is not anticipated to be present overlying natural strata.</p>
Radon	The radon guidance on protective measures for new dwellings indicates that the site is in a 'low' probability radon area where less than 1% of homes are estimated to be at or above the Action Level. Radon gas protection measures are therefore not required in the construction of new dwellings or extensions.
Mining & Ground Stability	The site is not located in a Coal Authority Reporting Area. Therefore, the risks associated with coal workings are considered to be low and no further action is required.
Flood Risk	According to the Flood Map for Planning, available on the gov.uk website, the site is located within Flood Zone 3, whereby there is a greater than a 1% chance (1 in 100) of flooding from rivers or the sea, annually. A Flood Risk Assessment will therefore be required to support any Planning Application.
Environmental Setting	Alluvium and River Terrace Deposits indicated to be present beneath the site as classified by the Environmental Agency (EA) as Secondary A Aquifer. The underlying Glaciofluvial Deposits are classified as an Undifferentiated Secondary Aquifer. The Wilmslow Sandstone Formation, present at depth, is classified as a Principal Aquifer. However, the site is not located within a groundwater source protection zone (SPZ) and the nearest groundwater abstraction is located approximately 583m to the southeast of the site, used for irrigation. Therefore, these aquifers are not considered to represent sensitive groundwater resource receptors.

The nearest surface water feature is located approximately 44m south of the site. This comprises an unnamed stream which feeds into the River Mersey, which at its closest is approximately 90m west of the site. Although there is considered to be potential for contaminants of concern sourced from the site to migrate towards this watercourse, given the site's development history, the risk posed to nearby surface water receptors is not considered to be significant.

UXO

Zetica Bomb Risk Mapping indicates the site to be in an area of moderate UXO risk. Therefore, a Detailed UXO Desk Study and Risk Assessment should be undertaken prior to undertaking any intrusive investigations.

Conclusions and Recommendations

Given the residential development history of the site and surrounding area, the potential for significant concentrations of contaminants of concern to be present in soils beneath the site is considered to be limited. However, it would be prudent to collect a small number of soil samples for chemical laboratory analysis as part of any intrusive geotechnical site investigation in order to confirm the contamination status of the site.

A potentially significant source of ground gas has not been identified as part of this assessment. However, should a significant thickness of Made Ground or putrescible material be recorded during intrusive investigation works, wells should be installed in boreholes to allow monitoring of ground gas concentrations and flow rates.

Based on the above, the following additional assessment is considered to be required to further assess the risks posed by soil contamination and ground gas:

- Undertake a Flood Risk Assessment for the site.
- Undertake a Detailed UXO Desk Study and Risk Assessment for the site prior to undertaking any intrusive investigations.
- Drilling of boreholes to enable collection of soils for chemical laboratory analysis and geotechnical testing to enable foundation design.
- Collection of soil samples for geotechnical laboratory analysis.
- Chemical laboratory analysis of selected soil samples. Samples will be analysed for a broad range of organic and inorganic contaminants of concern.
- Provision of a factual and interpretative site investigation report

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Appendix VI	Environmental Datasheets

1.0 Introduction

1.1 Background

Clancy Consulting Limited has been instructed by Marco Living to carry out a Phase 1 Preliminary Risk Assessment at a site on 232 to 236 Palatine Road, Didsbury M20 2WF.

The proposed works comprise the demolition of three large residential dwellings and the construction of a five-storey residential development with deck access apartments, podium level car parking and a number of three-storey townhouses.

A proposed development plan is included in Appendix I.

1.2 Objectives

The objectives of this investigation are summarised below:

- Provide a review of the site's land use history by reference to ordnance survey maps of the area.
- Assess the environmental setting, geology, hydrology, hydrogeology, mining and subsidence history of the site and surrounding area.
- Consider the potential risk from unexploded ordnance (UXO).
- Consider the potential risk to end users of the site from hazardous ground gas.
- Develop a preliminary risk assessment and a detailed 'conceptual site model' with regard to potential contamination sources, pathways and receptors.
- Provide recommendations regarding the requirement for further investigations or remedial works, if required, to satisfy the Local Planning Authority and to inform detailed civil and structural design.

1.3 Limitations of the Study

Clancy Consulting Limited cannot be held responsible for any omissions, misrepresentation, errors or inaccuracies with the supplied third-party report information. The report is written in the context of an agreed scope of work and budget and should not be used in a different context. New information or improved practices and changes in legislation may require a reinterpretation of the report in whole or in part.

Clancy Consulting Limited reserves the right to amend either conclusions or recommendations in light of any further information that may become available. The report is provided for the sole use of Marco Living for the objectives discussed previously only and is confidential to them.

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It must be noted that whilst this investigation aims to characterise the general ground conditions beneath the proposed development site, Clancy Consulting Ltd cannot be held accountable for variations in ground and groundwater conditions, unidentified contamination or the presence of below ground structures present.

2.0 Desk Study

2.1 General

Background information was sought from the following sources:

- Ordnance Survey historical maps (selected copies included in Appendix II).
- Zetica Bomb Risk Mapping (Appendix III).
- British Geological Survey (BGS) sheets (Appendix IV).
- Environment Agency site sensitivity & flood risk maps (Appendix V).
- Environmental datasheets (Appendix VI).

2.2 Site Setting and Description

The site is approximately 0.60 hectares in area and located to west of Didsbury, approximately 7km to the south of Manchester City centre at Ordnance Survey (OS) Coordinates 383560, 390980. The site currently comprises three residential houses with large gardens.

The Britannia Country House Hotel is located to the east of the site with an access road to its rear car park along the site's northern boundary. A multistorey residential apartment block lies to the southwest of the site. The River Mersey is located approximately 90m to the west of the site. A site location plan is included in Appendix I.

2.3 Site History

In order to investigate the development history and previous land uses at the site and surrounding area, historical OS maps were examined. Copies of the maps are presented in Appendix II.

Table 1 below is not intended to provide a comprehensive review of all the changes which have occurred at the site and instead provides a summary of the most salient points relating to the development history of the site. The most significant historical land uses are highlighted in bold text for ease of reference.

Table 1: Site History

Date(s)	Site	Surrounding Land
1848	The site comprised rural fields.	The site was located in a rural area. The River Mersey formed a large meandering loop which at its closest is approximately 90m west of the site. A small stream was present approximately 45m south of the site, flowing towards the River Mersey.
1893 to 1894	Three large residential properties were present at the eastern end of the site, parallel to Palatine Road. Large gardens were present across the remaining site area.	Additional residential properties were present immediately north and south of the site. Large, landscaped gardens were present to the northeast of the site, including three large lakes. A stream issues from one of these lakes to the north, joining up with the River Mersey. To the south the land remained predominantly rural. The town of Didsbury was present approximately 750m to the east.
1907	No significant changes	One of the lakes was no longer indicated and comprised an area of woodland,
1923 to 1938	No significant changes	Didsbury had encroached to within 300m to the north and east of the site. Northenden was present 500m to the southwest.
1955 to 1959	No significant changes	Possible embankment works and/or flood defense works were indicated along the banks of the River Mersey and on land to the north and west of the site. Tennis courts were present approximately 20m to the north of the site.

Date(s)	Site	Surrounding Land
1966 to 1967	Extensions had been added to the properties on-site.	A large government building was present 250m to the northeast.
1981	No significant changes	A number of large buildings were present approximately 50m to the northeast (in the location of the nearby hotel). The tennis courts were no longer indicated to be present. An 'L' shaped building was present on the plot to the south of the site. The pond to the north has diminished in size and was indicated to be within the grounds of a school and playing fields.
1989 to 1990	No significant changes	Ringway Hotel and car park and Riverside Court were present 50m and 100m to the north, respectively. A large residential apartment building, Brookside, was present to the south, with an associated car park. The government building had been demolished.
1999	No significant changes	An access road and car park were present to the west of the site.
2003 to present	No significant changes.	Houses were shown on the site of the government building to the northeast

2.4 UXO Risk Assessment

Zetica Bomb Risk Mapping indicates the site to be in an area of moderate UXO risk. Therefore, a Detailed UXO Desk Study and Risk Assessment should be undertaken prior to undertaking any intrusive investigations.

Zetica bomb risk mapping for the site is included in Appendix III.

2.5 Geology

British Geological Survey (BGS) mapping indicates drift deposits beneath the site comprise Alluvium overlying River Terrace Deposits and Glaciofluvial Deposits. This overlies bedrock comprising the Wilmslow Sandstone Formation.

Given the development history of the site, a significant thickness of Made Ground is not anticipated to be present overlying natural strata. However, Made Ground and basement level structures may be present beneath the footprint of the current buildings and immediate surrounding area.

Copies of the geological plans are provided in Appendix IV.

2.6 Mining and Ground Stability

The site is not located within a Coal Authority Reporting Area. Therefore, the risks associated with historic coal mining are considered to be low and no further action is required.

The environmental database report indicates that the site represents a low risk with regard to ground stability issues relating to ground dissolution, collapsible ground, landslides, shrinking/swelling clay, and running sand. The site is indicated to represent a moderate risk with regard to compressible ground, likely associated with the Alluvium indicated to be present on BGS mapping.

No BGS recorded mineral sites are indicated to be present within 500m of the site.

2.7 Hydrogeology

The Alluvium and River Terrace Deposits indicated to be present beneath the site are classified by the Environment agency (EA) as Secondary A Aquifers. These are strata which can provide modest quantities of water, but due to the nature of rock or the aquifers structure limits their use. They support water supplies at a local level and remain important for rivers, wetlands and lakes.

The underlying Glaciofluvial Deposits are classified as an Undifferentiated Secondary Aquifer. These are layers of variable permeability, where it has not been possible to assign a Secondary A or B Aquifer designation.

The underlying Wilmslow Sandstone Formation strata are classified as a Principal Aquifer. These are rocks that provide significant quantities of water and can support water supply and/or baseflow to rivers, lakes and wetlands on a strategic scale. They typically have a high intergranular and/or fracture permeability, meaning they usually provide a high level of water storage.

According to EA data, the site is not located within a groundwater Source Protection Zone (SPZ).

Information provided by the EA indicates that there is one record of a licensed groundwater abstractions within 1km of the site. This is located on a golf course 583m southeast of the site, for spray irrigation.

Groundwater quality beneath the site has been classified as 'poor' under the EA Local River Basin Management Plan for the area.

2.8 Hydrology

The nearest surface water feature is located approximately 44m south of the site. This comprises an unnamed stream which feeds into the River Mersey, which at its closest is approximately 90m west of the site.

Surface water quality in the local area has been classified as 'fail' under the EA Local River Basin Management Plan for the area.

There is one record of a licensed surface water abstractions indicated to be present within 1km of the site. This relates to an abstraction used for dust suppression / general washing during construction, located approximately 852m to the west of the site.

There no records of potential active discharge consents within 500m of the site.

There are no records of significant or major incidents to controlled waters recorded within 500m of the site.

2.9 Soil Geochemistry

According to the BGS National Geoscience Information Service, the following soil concentrations can be expected within urban soils at the site (based on BGS measured concentrations taken within the surrounding site area):

- Arsenic – 15 to 20 mg/kg
- Cadmium - <1.8 mg/kg
- Chromium – 60-90 mg/kg
- Lead – <100 mg/kg
- Nickel – 15-30 mg/kg

These concentrations are not considered to pose a significant risk to human health, based on the proposed development at the site.

2.10 Flood Risk

According to the Flood Map for Planning, available on the gov.uk website, the site is located within Flood Zone 3, whereby there is a greater than a 1% chance (1 in 100) of flooding from rivers or the sea, annually. A Flood Risk Assessment (FRA) would therefore be required to support any planning application for the site.

The environmental database report indicates that there is a potential for groundwater flooding of below ground structures at the site.

The site may be located within a critical drainage area. The appointed drainage engineer should consult with the Lead Local Flood Authority (LLFA) to confirm this.

Copies of the site sensitivity and flood risk maps are included in Appendix V.

2.11 Radon Risk Potential

The radon guidance on protective measures for new dwellings indicates that the site is in a 'low' probability radon area where less than 1% of homes are estimated to be at or above the Action Level.

Radon gas protection measures are therefore not necessary in the construction of new dwellings or extensions.

2.12 Landfill Sites

One historic landfill site is present within 500m of the site, located approximately 465m west, licenced to accept inert, industrial and household waste and liquid sludge.

There are no Local Authority Landfills present within 500m of the site.

There are no current waste management or waste transfer sites indicated to be present within 500m of the site.

Four potential areas of infilled land (water) associated with former ponds, marsh, river, stream or docks within 500m of the site. The closest of these is located approximately 123m to the northeast of the site. Given its size and distance, this is not considered to pose a significant ground gas risk to the proposed development.

2.13 Industrial Land Uses

There are no active Local Authority Pollution Prevention and Control permits recorded within 500m of the site.

There are no active Contemporary Trade Directory entries recorded within 500m of the site.

Full details of the waste management and industrial land uses are detailed in the environmental database presented in Appendix VI.

2.14 Sensitive Land Uses

Natural England data indicates that there are no ecologically sensitive sites indicated within 500m of the site that constitute environmental receptors as defined within Table 1 of the DEFRA Environmental Protection Act 1990: Part 2A - Contaminated Land Statutory Guidance (2012).

2.15 Potential Geotechnical Constraints

The table below summarises the potential geotechnical hazards associated with the development. The table provides an assessment of whether the site is likely to be affected by the hazard and the possible consequences and engineering considerations.

Table 2: Geotechnical Risk Register

Hazard Description	Is hazard likely to be present / affect the site?	Comments/possible engineering requirements where hazard present
Sudden lateral/vertical changes in ground conditions	M	<p>The site has been developed in the past and localised areas of Made Ground may be present, although these are anticipated to be of limited thickness.</p> <p>Superficial soils beneath the site are indicated to comprise Alluvium overlying River Terrace Deposits and Glaciofluvial Deposits. The thickness and strength characteristics of these layers are likely to vary across the site.</p>

Hazard Description	Is hazard likely to be present / affect the site?	Comments/possible engineering requirements where hazard present
Highly compressible/low bearing capacity soils, (including peat and soft clay)	M	Made Ground and Alluvium beneath the site would not form suitable bearing layers for traditional foundations. Deeper layers of the River Terrace Deposits or Glaciofluvial Deposits may represent suitably competent soils to support traditional foundations, if present at shallow depth. This would need to be confirmed by an intrusive site investigation.
Ground dissolution features/natural cavities	L	Strata indicated to be present at shallow depth beneath the site are not susceptible to these hazards.
Shrinking and swelling clays	M	Cohesive layers of the Alluvium and Glaciofluvial Deposits may be susceptible to volume change hazards. Investigations should be undertaken to further assess this potential risk.
Slope stability/Retaining wall issues	L	New slopes or retaining structures are not indicated to form part of the proposed development. Any temporary or permanent slopes or retaining walls created as part of the development should be subject to appropriate geotechnical design based on site-specific site investigation information.
High groundwater table (including waterlogged ground)	M/H	The environmental data base indicates there is a potential for ground water flooding to occur in sub-surface structures. Groundwater exclusion and control measures may therefore be required for excavations beneath the site. However, this would need to be confirmed by intrusive ground investigation.
Filled and Made Ground (including embankments)	L/M	The site has been developed in the past and localised areas of Made Ground may be present, although these are anticipated to be of limited thickness.
Obstructions (including foundations, services, basements, tunnels and adjacent sub-structures)	M	The site has been developed in the past and it is considered that buried obstructions may be present. Their removal may require heavy plant in some cases. This should be programmed for.
Underground mining	L	The site is not within an area where underground mining is considered to pose a risk to the development.
Concrete classification	L/M	Made Ground and natural soils beneath the site may contain elevated concentrations of sulphate potential harmful to buried structures.
Seismic Activity	L	The Eurocode 8 seismic hazard zoning maps for the UK (Musson and Sargeant, 2007) indicate that horizontal Peak Ground Acceleration (PGA) values with 10% probability of being exceeded in 50 years (475 year return period) are between 0.00g and 0.02g, which is considered very low.
NOTES: H – High Risk M – Medium Risk L – Low risk		

3.0 Preliminary Conceptual Site Model

3.1 General

The “suitable for use” approach is adopted for the assessment of contaminated land and remedial measures are only undertaken where unacceptable risk to human health or the environment can be proven when taking into account the proposed use of the site and environmental setting.

A risk assessment process should be carried out to determine potential hazards to human health and the environment and be based on the “source” “pathway” “receptor” principal. For a potential risk to be present there must be a viable pollutant linkage whereby a contamination source may impact upon a receptor. The absence of one or more of these key components (source, pathway or receptor) prohibits a viable pollution linkage being formed.

3.2 Guidance

In accordance with the ‘Land Contamination Risk Management’ (LCRM) guidance on the gov.uk website (updated October 2020) and BSI 10175 “Code of Practice for Investigation of Potentially Contaminated Land” (2011), a Preliminary Conceptual Site Model was developed to identify potential contamination sources, migration pathways and receptors within the study area.

3.3 Potential Contaminant Sources

Given the residential development history of the site and surrounding area, the potential for significant concentrations of contaminants of concern to be present in soils beneath the site is considered to be limited.

Given the development history of the site, a significant thickness of Made Ground considered to represent a potentially significant source of ground gas is unlikely to be present beneath the site. Furthermore, given the size and distance of the nearest potential area of infilled ground (123m to the northeast), this is not considered to pose a significant ground gas risk to the proposed development.

3.4 Potential Pathways

Following the proposed development, the potential risks to future site users via the dermal contact and ingestion pathways in areas of the site comprising building cover and hardstanding will be mitigated. Furthermore, the pathway for the airborne migration of soil/dust from these areas towards off-site receptors would not be active. However, these pathways may remain active in areas of soft landscaping.

There is potential for the on or off-site migration of contaminants of concern within granular layers of the Made Ground and natural strata.

There is potential for ground gas contaminants of concern in soil or groundwater (if present) to impact future site users via the pathway of inhalation within enclosed areas of the proposed development.

There is potential for the downward migration of contaminants of concern towards the underlying Alluvium and River terrace Deposits Secondary A Aquifers, Glaciofluvial Deposits Undifferentiated Secondary Aquifer and Wilmslow Sandstone Formation Principle Aquifer indicated to be present beneath the site.

3.5 Potential Receptors

Potential human health receptors include future site users and neighboring residential/commercial property occupiers.

The underlying Secondary A, Undifferentiated Secondary and Principal Aquifers are considered the main environmental receptors of concern.

The nearest surface water feature is located approximately 44m south of the site. This comprises an unnamed stream which feeds into the River Mersey, which at its closest is approximately 90m west of the site. There is considered to be potential for contaminants of concern sourced from the site to migrate towards this watercourse.

3.6 Preliminary Risk Assessment

A preliminary risk assessment can be carried out using guidance outlined in Section 6.3 of CIRIA Document C552 "Contaminated Land Risk Assessment – A Guide to Good Practice" (2001). For a risk to be present there must be a viable pollutant linkage whereby a contamination source can impact on a receptor via a pathway. To carry out the risk assessment an estimate must be made of the potential severity of the risk and the likelihood of the risk occurring. The following Tables set out the criteria for this principal.

Table 3: Severity of Risk

Severity	Description
Severe	Acute risk to human health likely to result in 'significant harm' i.e. very high concentrations of contamination or ground gases. Catastrophic damage to building i.e. by explosion from high gassing sites or VOC concentrations. Major pollution of controlled waters i.e. surface watercourses and Principal aquifers, source protection zones. Short term damage to ecosystems.
Medium	Long term risk to human health likely to result in 'significant harm' i.e. elevated concentrations of contaminants or ground gases. Pollution of sensitive controlled watercourses i.e. Principal or Secondary Aquifers. Significant effects on sensitive ecosystems or species.
Mild	Pollution of non-sensitive waters i.e. smaller surface watercourses or unproductive strata. Significant damage to crops, buildings, structures or services i.e. by explosion from sites with medium gassing potential, elevated concentrations of contaminants.
Minor	Non-permanent human health effects i.e. requirement for protective equipment during site works to mitigate health effects. Damage to non-sensitive ecosystems or species. Minor damage to buildings, structures or services.

Table 4: Probability of Risk Occurring

Probability	Description
High Likelihood	Pollutant linkage may be present that appears very likely in the short term and risk is almost certain to occur in long term or evidence of harm to receptor exists.
Likely	Pollutant linkage may be present and is likely that the risk will occur over the long term.
Low Likelihood	Pollutant linkage may be present and there is a possibility of the risk occurring although no certainty that it will do so.
Unlikely	Pollutant linkage may be present but the circumstances under which harm would occur even in the long term are improbable.

Table 5: Comparison of Risk & Probability

Probability	Severity			
	Severe	Medium	Mild	Minor
High Likelihood	Very High	High	Moderate	Moderate/Low
Likely	High	Moderate	Moderate/Low	Low
Low Likelihood	Moderate	Moderate/Low	Low	Very Low
Unlikely	Moderate/Low	Low	Very Low	Very Low

A summary of potential pollutant linkages and perceived risks for this site are outlined in the Table below:

Table 6: Pollutant Linkages & Perceived Risk

Sources of Contamination	Pathways	Receptors	Severity	Probability	Risk	Justification	Further Action Required
On site: Made Ground	Inhalation, ingestion and dermal contact of soil	Future site users	Medium Long term risk to human health	Unlikely	Low	Given the residential development history of the site and surrounding area, the potential for significant concentrations of contaminants of concern to be present in soils beneath the site is considered to be limited. It is considered likely that potential risks may be mitigated by the provision of clean topsoil cover in new or reworked soft landscaped areas, which will act as a barrier between contaminants in the underlying soil and future site users.	Given the residential development history of the site and surrounding area, the potential for significant concentrations of contaminants of concern to be present in soils beneath the site is considered to be limited. However, it would be prudent to collect a small number of soil samples for chemical laboratory analysis as part of any intrusive geotechnical site investigation in order to confirm the contamination status of the site.
		Construction workers during development	Minor Non-permanent human health effects i.e. requirement for protective equipment during site works to mitigate health effects	Low Likelihood	Very Low	If construction workers come into contact with potential contaminated soils during the construction phase, such contact would be short term, limiting potential exposure. Construction workers are expected to undertake good working practices including regular hand washing and other hygiene techniques which would reduce the likelihood of long-term exposure to any contamination.	
	Acidic ground conditions affecting future site buildings	Building infrastructure	Minor Minor damage to buildings	Low Likelihood	Very Low	Made Ground and natural soils beneath the site may contain elevated concentrations of sulphates and low pH. Chemical testing for water soluble sulphate and pH should be undertaken to inform concrete classification. Chemical testing should be undertaken to assess the requirements for water supply pipelines.	
	Vertical and lateral migration	Neighbouring commercial / residential properties	Medium Long term risk to human health	Unlikely	Low	Given the development history of the site, it is considered unlikely that contamination would be present in sufficient concentrations to adversely affect neighbouring site users.	
		Controlled waters	Mild Pollution of non-sensitive controlled water receptors	Low Likelihood	Low	Alluvium and River Terrace Deposits indicated to be present beneath the site as classified by the EA as Secondary A Aquifer. The underlying Glaciofluvial Deposits are classified as an Undifferentiated Secondary Aquifer. The Wilmslow Sandstone Formation, present at depth, is classified as a Principal Aquifer. However, the site is not located within a groundwater SPZ and the nearest groundwater abstraction is located approximately 583m to the southeast of the site. Therefore, these aquifers are not considered to represent sensitive groundwater resource receptors. The nearest surface water feature is located approximately 44m south of the site. Although there is considered to be potential for contaminants of concern sourced from the site to migrate towards this watercourse, given the site's development history, the risk posed to nearby surface water receptors is not considered to be significant.	
	Lateral migration onto site with subsequent dermal contact of soils	Future site users	Medium Long term risk to human health	Unlikely	Low	Given the predominantly residential nature of surrounding land use, the potential risk posed to the proposed development from off-site sources of contamination is not considered to be significant.	
Potential hazardous ground gas and vapours from Made Ground and infilled ponds	Migration of ground gas	Future site users	Severe Acute risk to human health (asphyxiation)	Unlikely	Low / Moderate	Given the development history of the site, a significant thickness of Made Ground considered to represent a potentially significant source of ground gas is unlikely to be present beneath the site. Furthermore, given the size and distance of the nearest potential area of infilled ground (123m to the northeast), this is not considered to pose a significant ground gas risk to the proposed development.	A potentially significant source of ground gas has not been identified as part of this assessment. However, should a significant thickness of Made Ground be recorded during intrusive investigation works, wells should be installed in boreholes.
		Building Infrastructure	Severe Significant damage to buildings (explosion)	Unlikely	Low / Moderate		

4.0 Conclusions

Clancy Consulting Limited was instructed by Marco Living to carry out a Phase 1 Preliminary Risk Assessment at a site on 232 to 236 Palatine Road, Didsbury M20 2WF.

The proposed works comprise the demolition of three large residential dwellings and the construction of a five-storey residential development with deck access apartments, podium level car parking and a number of three-storey townhouses.

Historical mapping indicates that the site comprised rural fields until the construction of three residential houses in circa 1893. The site layout has generally remained unchanged, with the inclusion of later extensions to some of the properties.

Surrounding land has had a similar history with gradually encroaching residential developments. A large hotel was built to the northeast in the 1980's and a multistorey apartment block to the south of the site around the same time.

British Geological Survey mapping indicates drift deposits beneath the site comprise Alluvium overlying River Terrace Deposits and Glaciofluvial Deposits. This overlies bedrock comprising the Wilmslow Sandstone Formation.

Given the development history of the site, a significant thickness of Made Ground is not anticipated to be present overlying natural strata.

The radon guidance on protective measures for new dwellings indicates that the site is in a 'low' probability radon area where less than 1% of homes are estimated to be at or above the Action Level. Radon gas protection measures are therefore not required in the construction of new dwellings or extensions.

The site is not located in a Coal Authority Reporting Area. Therefore, the risks associated with coal workings are considered to be low and no further action is required.

According to the Flood Map for Planning, available on the gov.uk website, the site is located within Flood Zone 3, whereby there is a greater than a 1% chance (1 in 100) of flooding from rivers or the sea, annually. A Flood Risk Assessment will therefore be required to support any Planning Application.

Alluvium and River Terrace Deposits indicated to be present beneath the site as classified by the EA as Secondary A Aquifer. The underlying Glaciofluvial Deposits are classified as an Undifferentiated Secondary Aquifer. The Wilmslow Sandstone Formation, present at depth, is classified as a Principal Aquifer. However, the site is not located within a groundwater SPZ and the nearest groundwater abstraction is located approximately 583m to the southeast of the site, used for irrigation. Therefore, these aquifers are not considered to represent sensitive groundwater resource receptors.

The nearest surface water feature is located approximately 44m south of the site. This comprises an unnamed stream which feeds into the River Mersey, which at its closest is approximately 90m west of the site. Although there is considered to be potential for contaminants of concern sourced from the site to migrate towards this watercourse, given the site's development history, the risk posed to nearby surface water receptors is not considered to be significant.

Zetica Bomb Risk Mapping indicates the site to be in an area of moderate UXO risk. Therefore, a Detailed UXO Desk Study and Risk Assessment should be undertaken prior to undertaking any intrusive investigations.

Given the residential development history of the site and surrounding area, the potential for significant concentrations of contaminants of concern to be present in soils beneath the site is considered to be limited. However, it would be prudent to collect a small number of soil samples for chemical laboratory analysis as part of any intrusive geotechnical site investigation in order to confirm the contamination status of the site.

A potentially significant source of ground gas has not been identified as part of this assessment. However, should a significant thickness of Made Ground or putrescible material be recorded during intrusive investigation works, wells should be installed in boreholes to allow monitoring of ground gas concentrations and flow rates.

Based on the above, the following additional assessment is considered to be required to further assess the risks posed by soil contamination and ground gas:

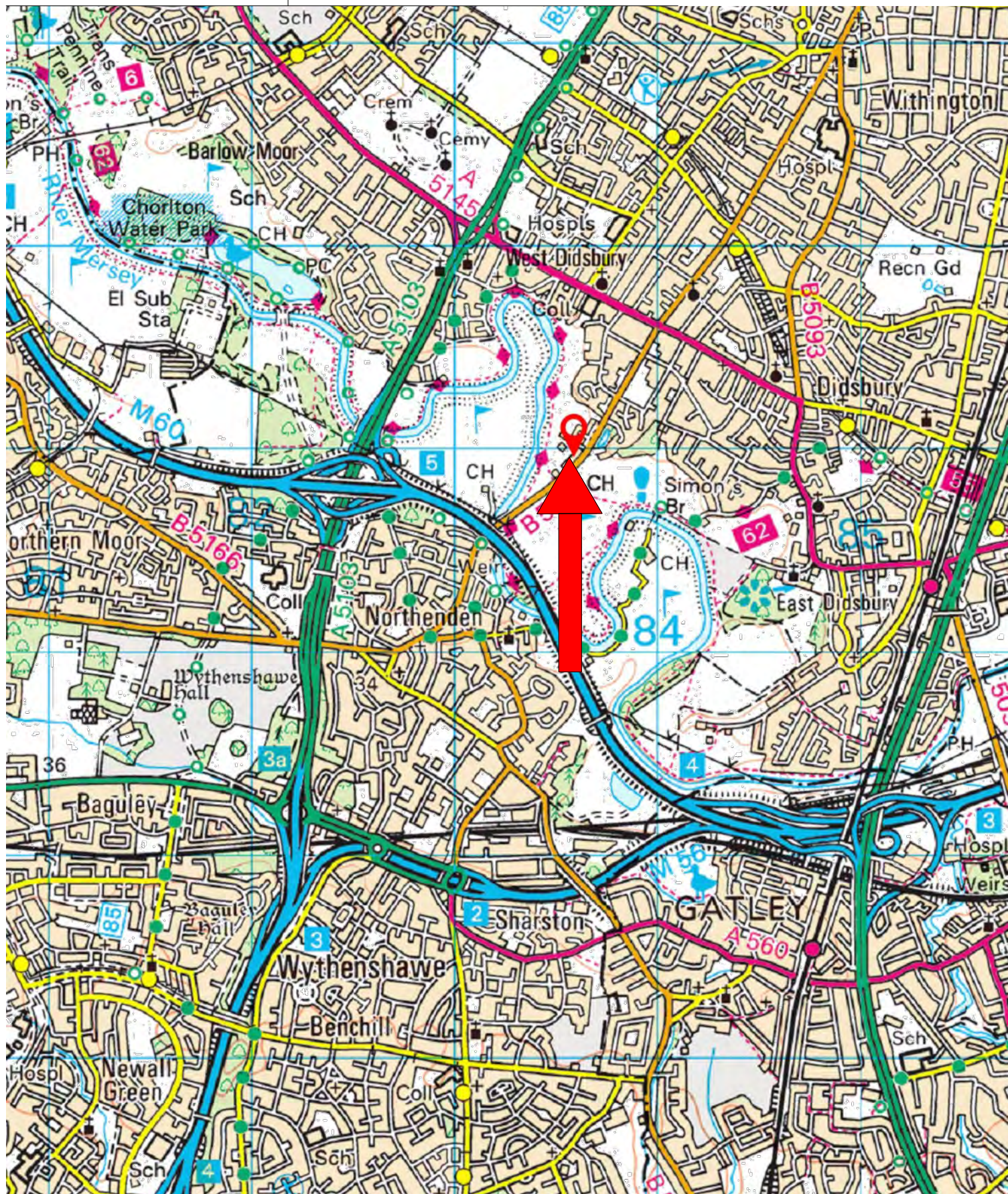
- Undertake a Flood Risk Assessment for the site.
- Undertake a Detailed UXO Desk Study and Risk Assessment for the site prior to undertaking any intrusive investigations.
- Drilling of boreholes to enable collection of soils for chemical laboratory analysis and geotechnical testing to enable foundation design.
- Collection of soil samples for geotechnical laboratory analysis.
- Chemical laboratory analysis of selected soil samples. Samples will be analysed for a broad range of organic and inorganic contaminants of concern.
- Provision of a factual and interpretative site investigation report.

APPENDIX I
DRAWINGS

Client	Micro Living		
Project	232 - 236 Palatine Road, Didsbury		
Title	Site Location Plan		
Office	Manchester	Discipline	Geo



www.clancy.co.uk

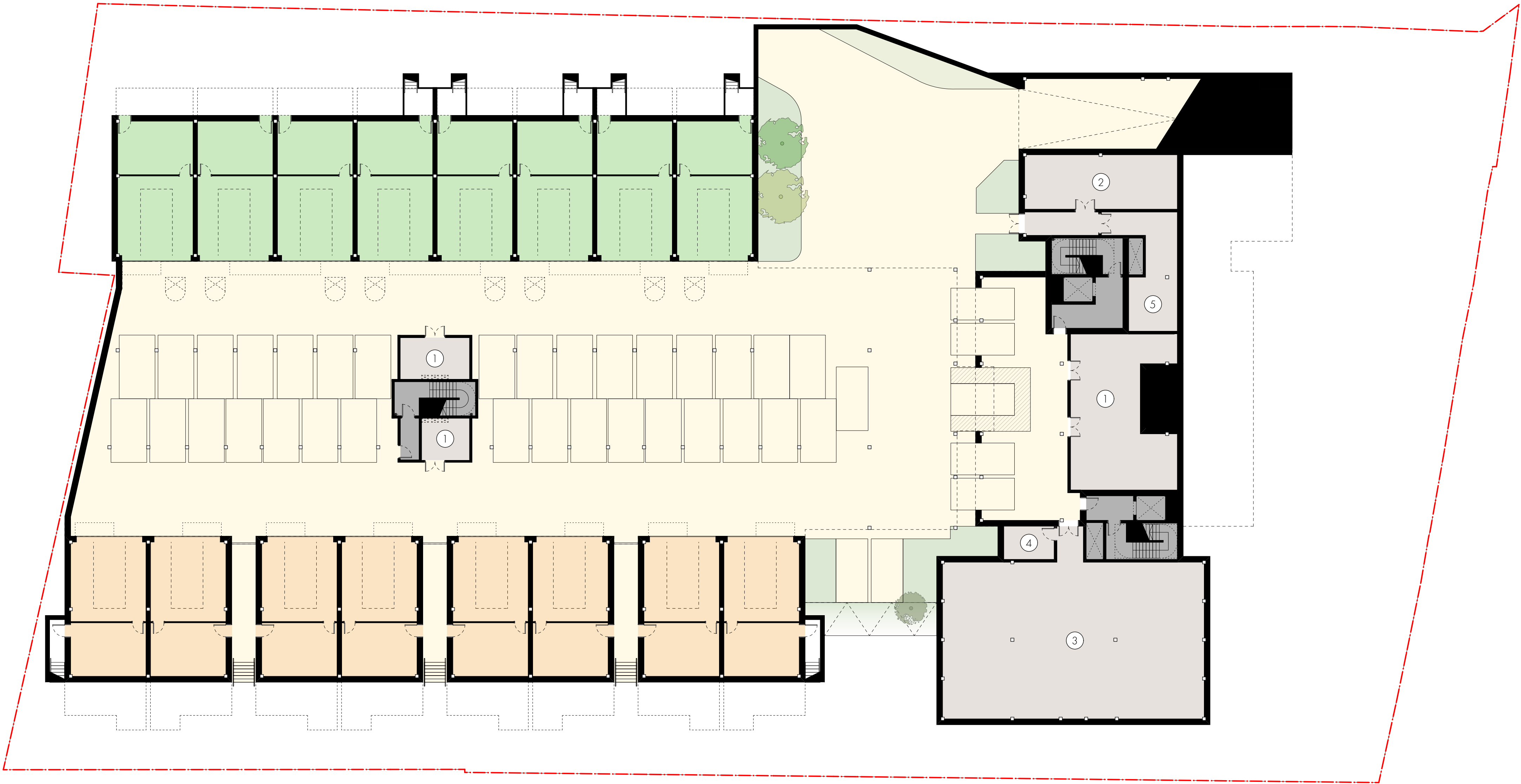


REV	DATE	DESCRIPTION	BY	CHK.	APP.	Drawn	Date	Job number	Drawing number	Revision
	Rev	Date	By	Check	App.	PJH	August 24	10/2500	001	-
						Checked	Scale @ A4			
						RP	nts			
						Approved	Status			
						NR	Live			

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REVISION	DATE	DESCRIPTION
P01	08/11/2024	PRELIMINARY ISSUE
P02	03/12/2024	PUBLIC CONSULTATION ISSUE

- KEY:
- Application Boundary
 - 1 Bin Store
 - 2 Bike Store - 36no.
 - 3 Sprinkler Tank Room
 - 4 Comms. Room
 - 5 BCWS
 - Town Houses
 - Semi-detached Houses





REVISION	DATE	DESCRIPTION
P01	08/11/2024	PRELIMINARY ISSUE
P02	03/12/2024	PUBLIC CONSULTATION ISSUE

- KEY:
- Application Boundary
 - 1B 2P Apartment
 - 2B 3P Apartment
 - 2B 4P Apartment
 - 3B 5P Apartment
 - 3B 6P Apartment
 - Town Houses
 - Semi - detached Houses
 - Substation location option

OMIArchitects

31 Blackfriars Road, Salford, Manchester, M3 7AQ.
+44(0)161 832 3242 / info@omiarchitects.com / www.omiarchitects.com

PROJECT	MARCO LIVING, PALATINE ROAD				
DRAWING	MASTERPLAN - LEVEL 00				
DATE	NOV '24	DRAWN BY	DK	SCALE	1:200 @A1
JOB NO.	1459	DWG. NO.	L1001		



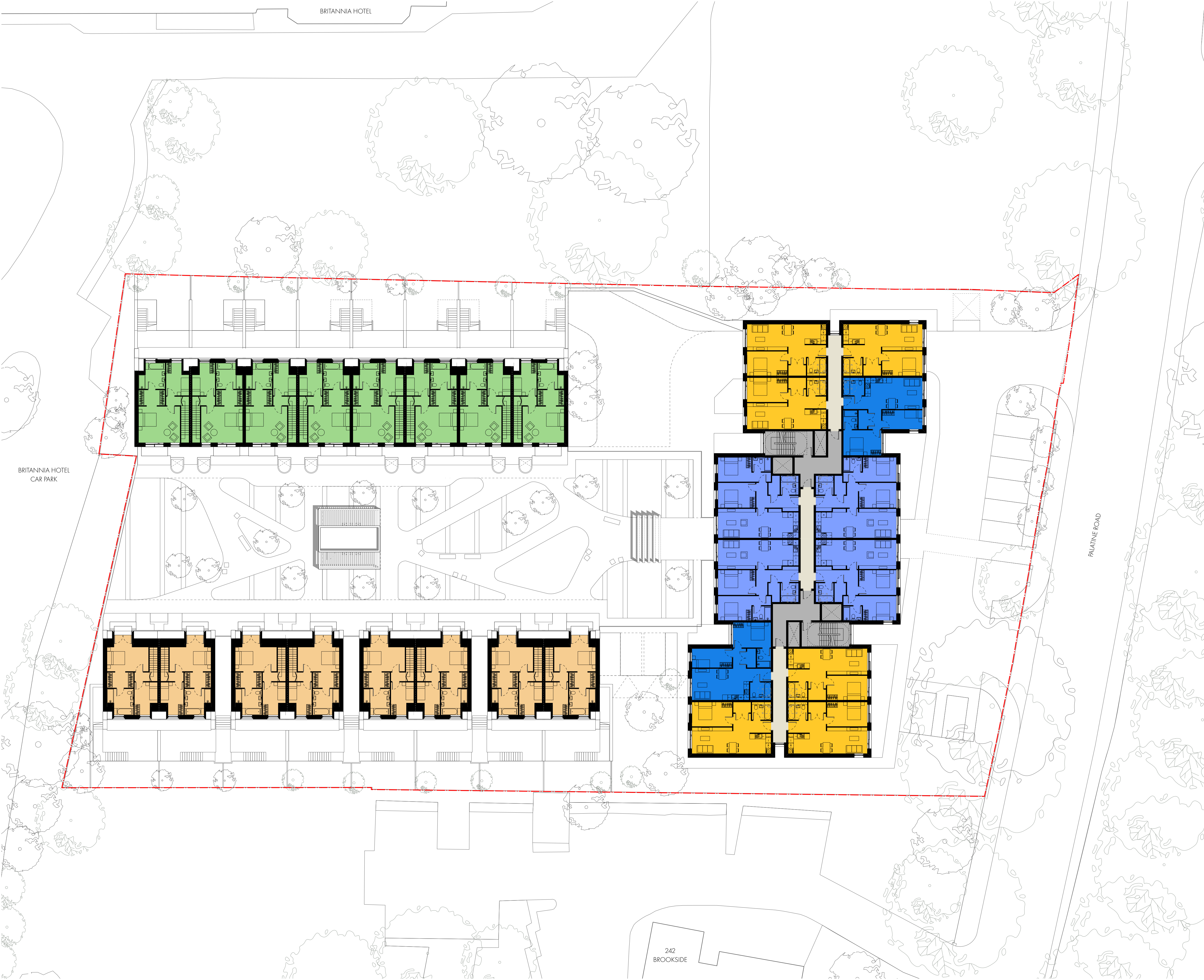
REVISION	DATE	DESCRIPTION
P01	08/11/2024	PRELIMINARY ISSUE
P02	03/12/2024	PUBLIC CONSULTATION ISSUE

- KEY:
- Application Boundary
 - 1B 2P Apartment
 - 2B 3P Apartment
 - 2B 4P Apartment
 - 3B 5P Apartment
 - 3B 6P Apartment
 - Town Houses
 - Semi - detached Houses

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PROJECT	MARCO LIVING, PALATINE ROAD				
DRAWING	MASTERPLAN - LEVEL 01				
DATE	NOV '24	DRAWN BY	DK	SCALE	1:200 @A1
JOB NO.	1459	DWG. NO.	L1002		



REVISION	DATE	DESCRIPTION
P01	08/11/2024	PRELIMINARY ISSUE
P02	03/12/2024	PUBLIC CONSULTATION ISSUE

- KEY:
- Application Boundary
 - 1B 2P Apartment
 - 2B 3P Apartment
 - 2B 4P Apartment
 - 3B 5P Apartment
 - 3B 6P Apartment
 - Town Houses
 - Semi - detached Houses



REVISION	DATE	DESCRIPTION
P01	08/11/2024	PRELIMINARY ISSUE
P02	03/12/2024	PUBLIC CONSULTATION ISSUE

- KEY:
- Application Boundary
 - 1B 2P Apartment
 - 2B 3P Apartment
 - 2B 4P Apartment
 - 3B 5P Apartment
 - 3B 6P Apartment

APPENDIX II
HISTORICAL MAPS

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

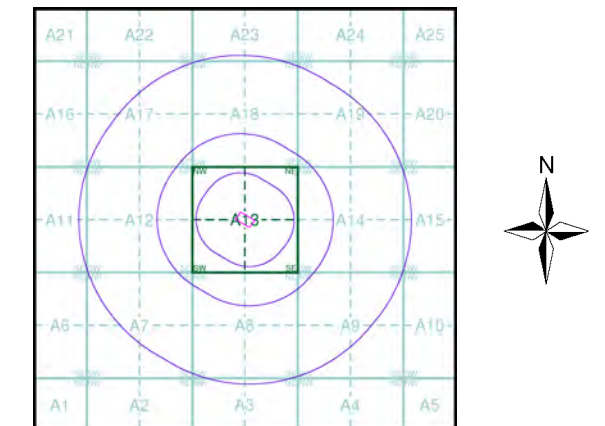
Envirocheck[®]

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894 - 1895	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1908 - 1911	7
Cheshire	1:10,560	1911	8
Cheshire	1:10,560	1911	9
Cheshire	1:10,560	1911	10
Lancashire And Furness	1:10,560	1923	11
Lancashire And Furness	1:10,560	1934	12
Lancashire And Furness	1:10,560	1938	13
Cheshire	1:10,560	1938	14
Ordnance Survey Plan	1:10,000	1954 - 1955	15
Ordnance Survey Plan	1:10,000	1966 - 1967	16
Manchester	1:25,000	1975	17
Ordnance Survey Plan	1:10,000	1977	18
Ordnance Survey Plan	1:10,000	1981	19
Ordnance Survey Plan	1:10,000	1989	20
Ordnance Survey Plan	1:10,000	1990	21
Ordnance Survey Plan	1:10,000	1996	22
10K Raster Mapping	1:10,000	1999	23
10K Raster Mapping	1:10,000	2006	24
VectorMap Local	1:10,000	2024	25

Historical Map - Slice A



Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings Military and Industrial Buildings

Military and Communication Areas Subway Entrance

Fireproof Building Prominent Fireproof Building

Non-fireproof Building Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale Hydroelectric Power Station

Radio Station, drawn to scale Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry Open-pit Salt Mine

Pit Oil Deposit or Well Oil Seepage

Tailings Pile Fuel Storage Tanks Natural Gas Tank

Bench Mark Drill Hole Burial Mound Triangulation Point on Burial Mound

Single-track Railroad Double-track Railroad and Station Building

Coniferous Forest Deciduous Forest Mixed Forest

Lawns Citrus Orchard Wet Ground Scattered Vegetation

243.8 Values for prominent elevations

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

0.2 Velocity of the current, width of river bed, depth of river

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

Telegraph/Telephone Lines Main Highway Highway under Construction Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station Dismantled Railroad Railroad Under Construction

Shore Embankment River or Ditch with Embankment Direction and velocity of current 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

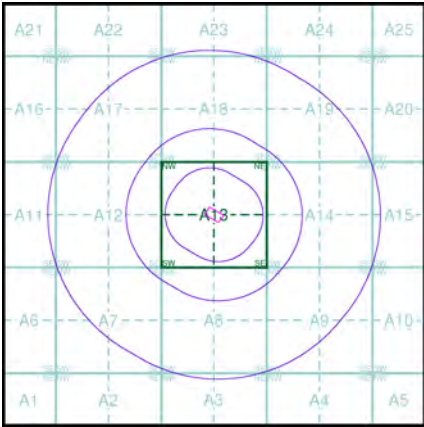
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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Cheshire	1:10,560	1882	4
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Cheshire	1:10,560	1911	8
Cheshire	1:10,560	1911	9
Cheshire	1:10,560	1911	10
Lancashire And Furness	1:10,560	1923	11
Lancashire And Furness	1:10,560	1934	12
Lancashire And Furness	1:10,560	1938	13
Cheshire	1:10,560	1938	14
Ordnance Survey Plan	1:10,000	1954 - 1955	15
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Manchester	1:25,000	1975	17
Ordnance Survey Plan	1:10,000	1977	18
Ordnance Survey Plan	1:10,000	1981	19
Ordnance Survey Plan	1:10,000	1989	20
Ordnance Survey Plan	1:10,000	1990	21
Ordnance Survey Plan	1:10,000	1996	22
10K Raster Mapping	1:10,000	1999	23
10K Raster Mapping	1:10,000	2006	24
VectorMap Local	1:10,000	2024	25

Russian Map - Slice A



Order Details

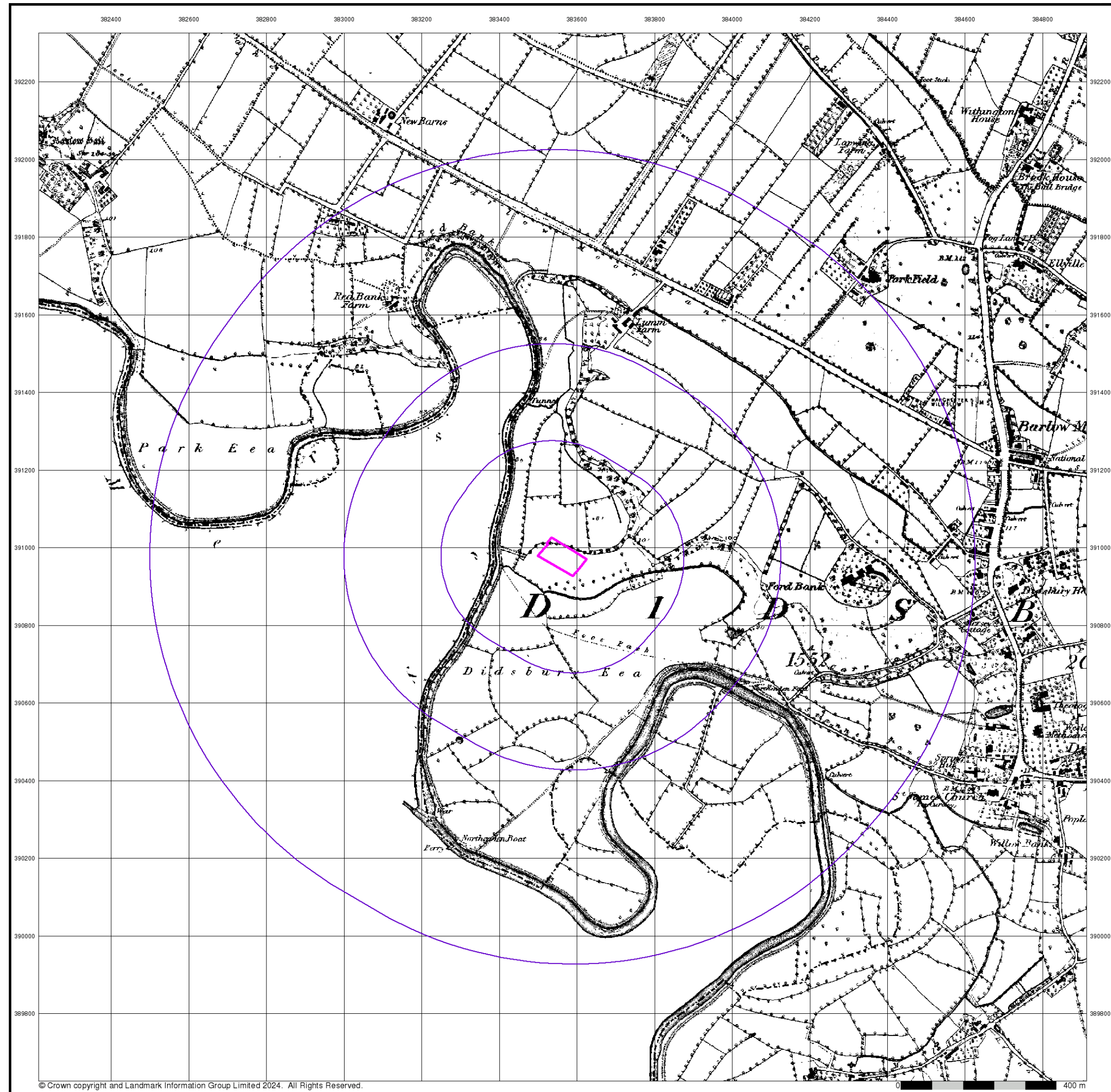
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Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

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Lancashire And Furness

Published 1848

Source map scale - 1:10,560

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Map Name(s) and Date(s)

11100

1848

1:10,560

Historical Map - Slice A

Order Details

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Site Details

234, Palatine Road, Manchester, M20 2WF

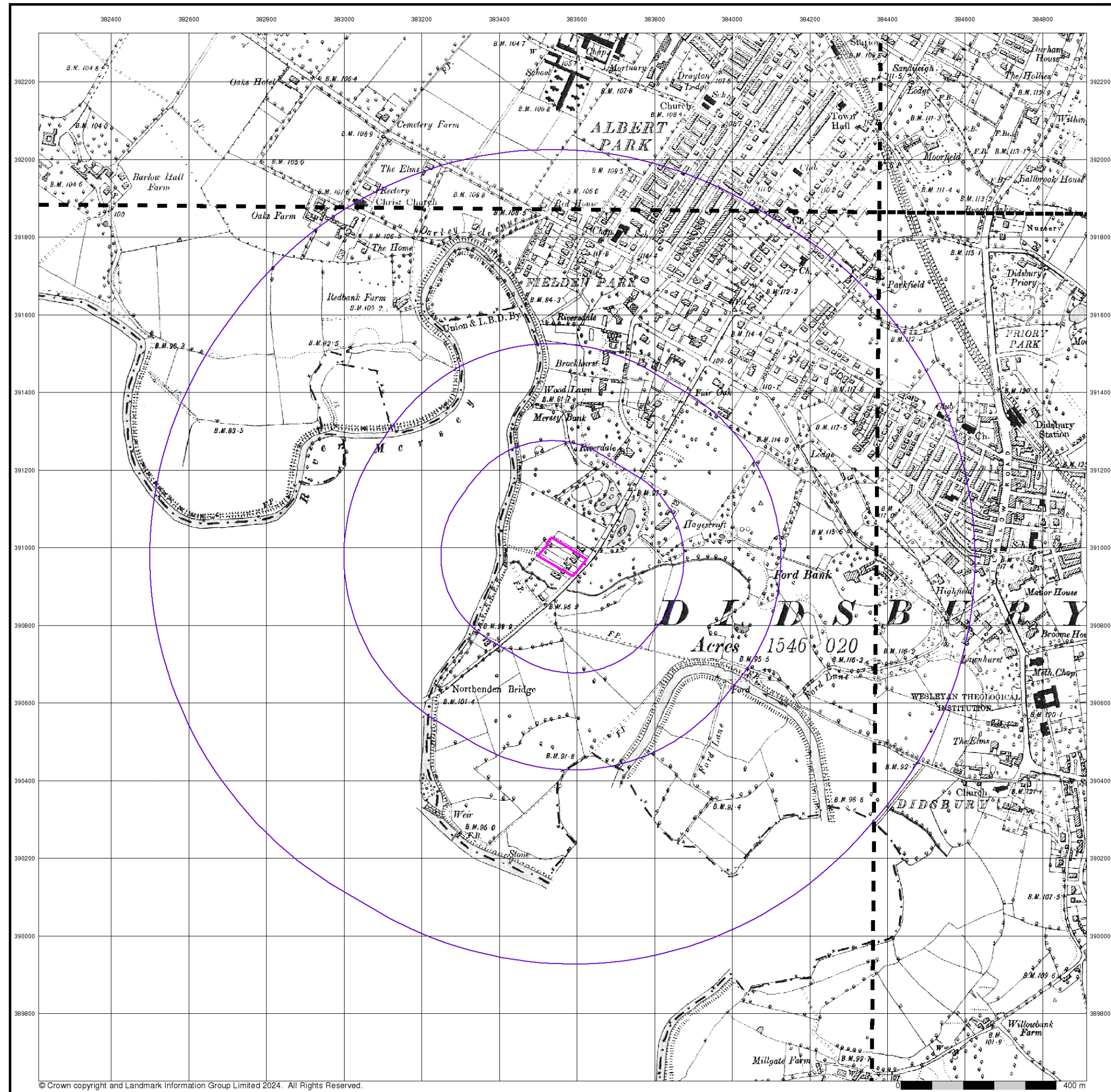
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Lancashire And Furness

Published 1894 - 1895

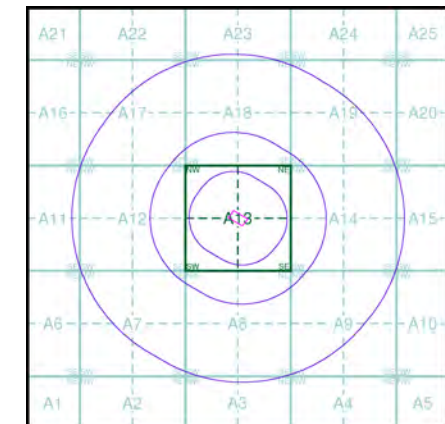
Source map scale - 1:10,560

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)

111NW 1894 1:10,560	111NE 1894 1:10,560
111SW 1894 1:10,560	111SE 1895 1:10,560

Historical Map - Slice A



Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

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Lancashire And Furness

Published 1908 - 1911

Source map scale - 1:10,560

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Map Name(s) and Date(s)

111NW 1908 1:10,560	111NE 1908 1:10,560
111SW 1911 1:10,560	111SE 1911 1:10,560

Historical Map - Slice A

Order Details

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Site Details

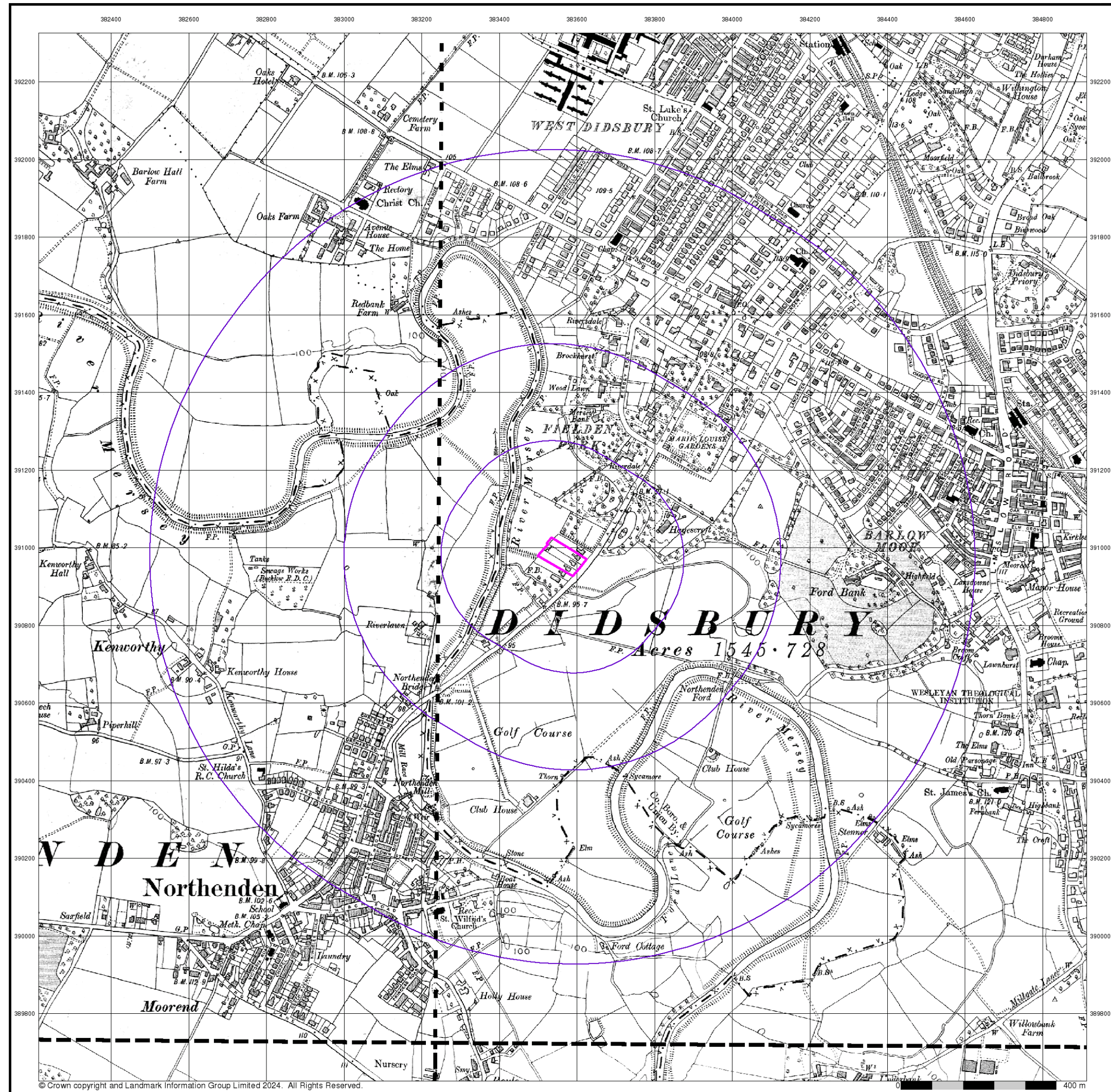
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Cheshire

Published 1911

Source map scale - 1:10,560

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Map Name(s) and Date(s)

009SE 1911 1:10,560	010SW 1911 1:10,560
018NE 1911 1:10,560	019NW 1911 1:10,560

Historical Map - Slice A

Order Details

Order Number:	355249321_1_1
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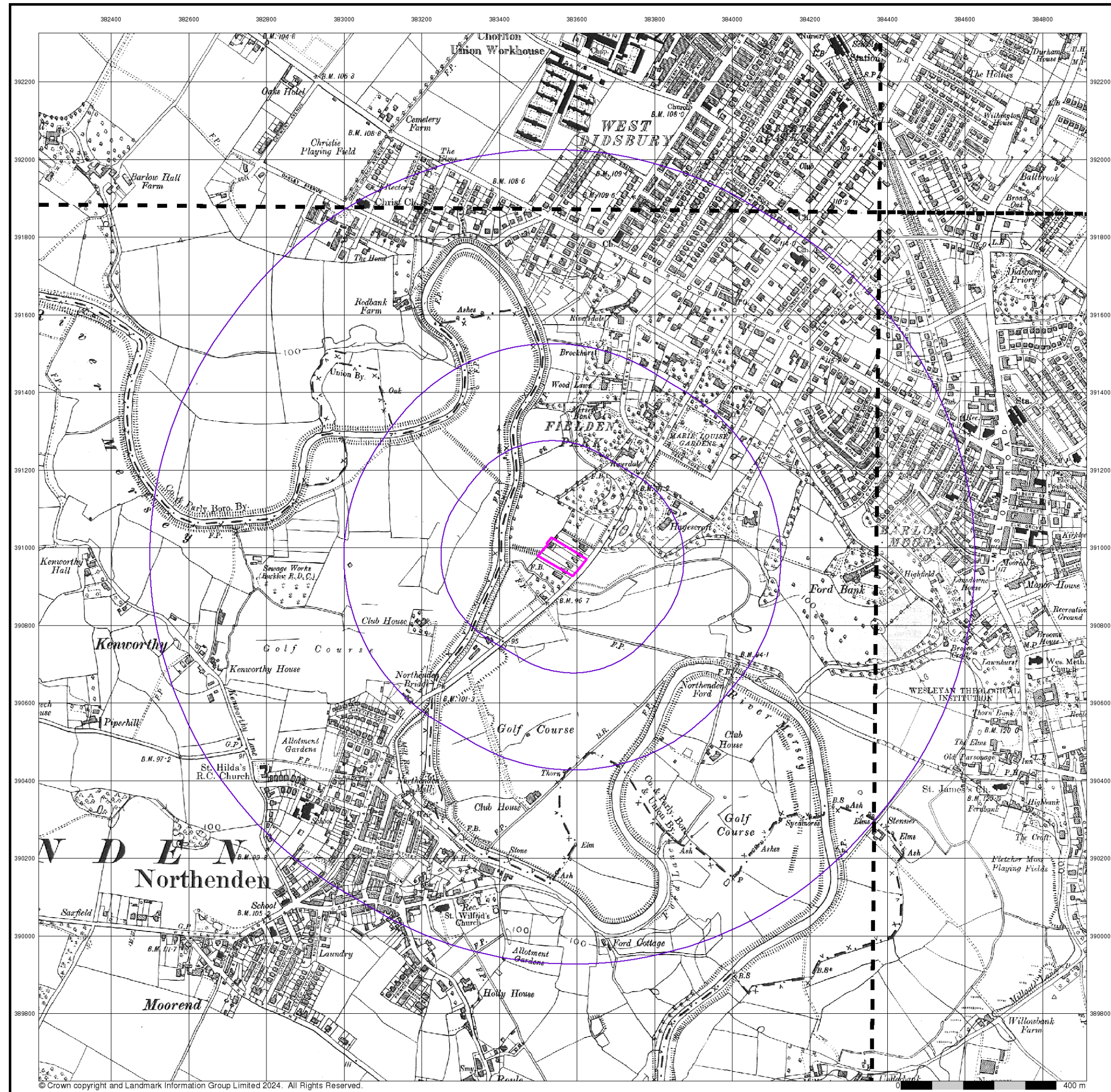
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Lancashire And Furness

Published 1923

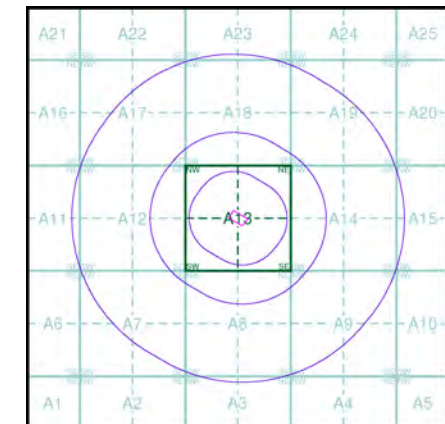
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Map Name(s) and Date(s)

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

Historical Map - Slice A



Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

234, Palatine Road, Manchester, M20 2WF



Lancashire And Furness

Published 1938

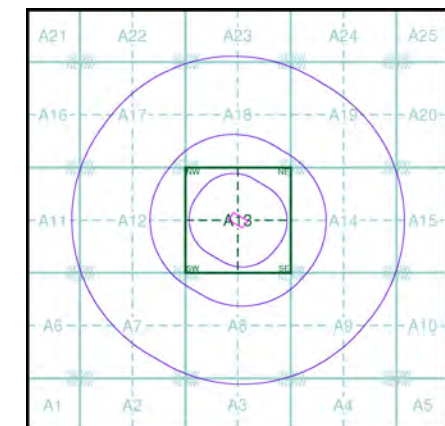
Source map scale - 1:10,560

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)

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

Historical Map - Slice A

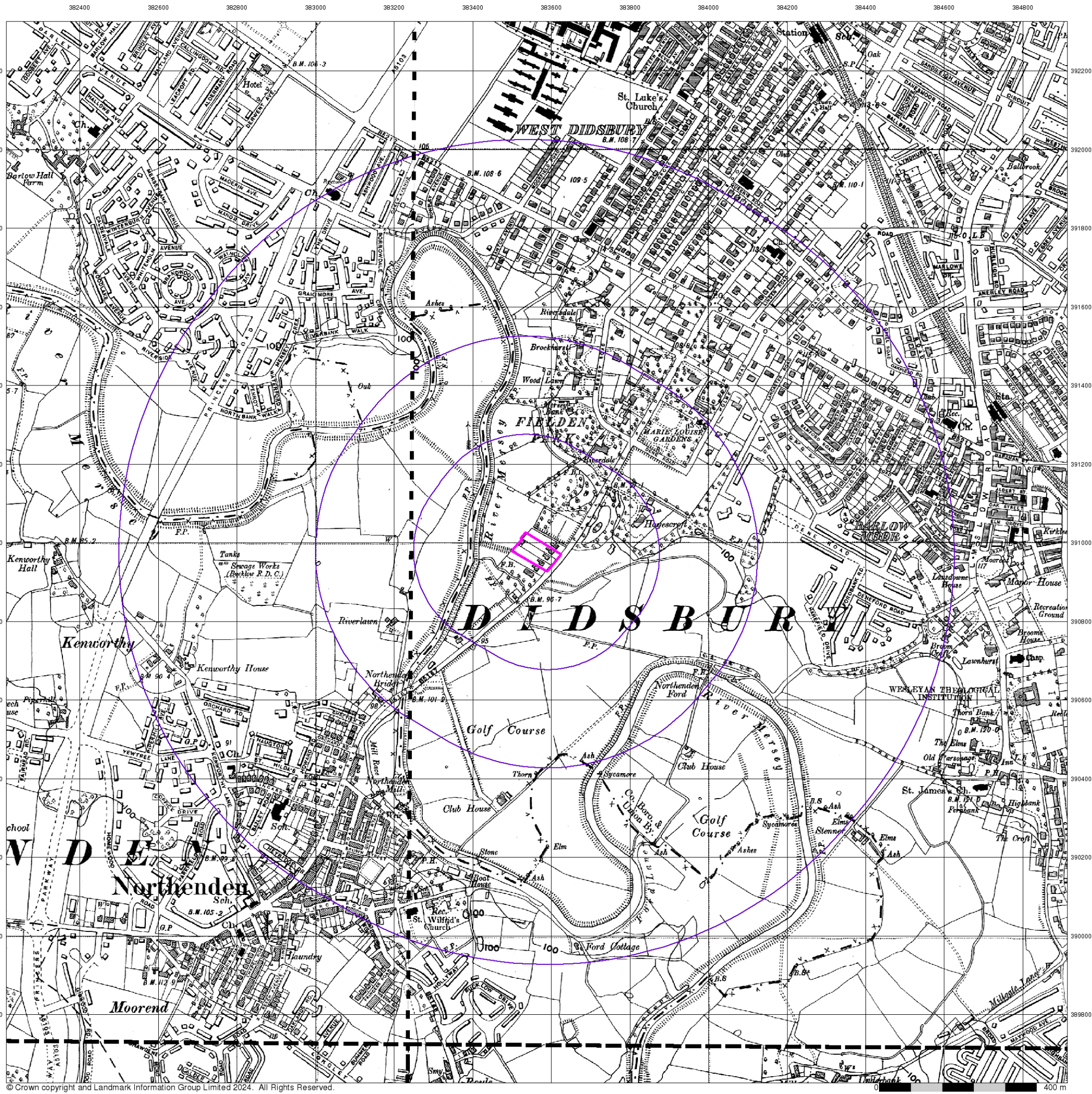


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

234, Palatine Road, Manchester, M20 2WF



Cheshire

Published 1938

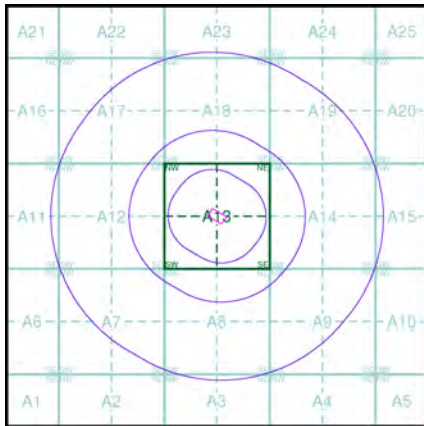
Source map scale - 1:10,560

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)

009SE 1938 1:10,560	010SW 1938 1:10,560
018NE 1938 1:10,560	019NW 1938 1:10,560

Historical Map - Slice A

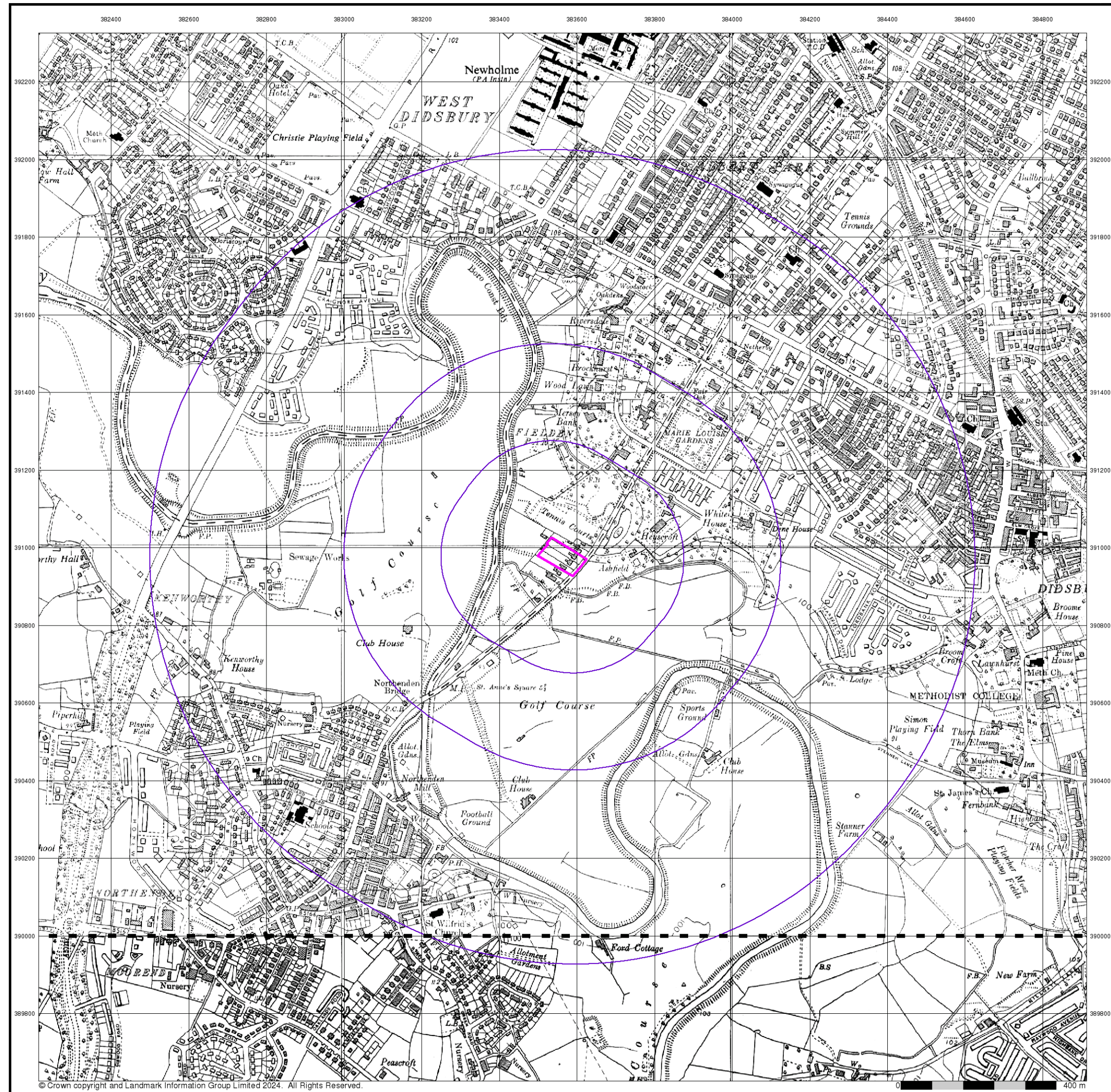


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

234, Palatine Road, Manchester, M20 2WF



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Ordnance Survey Plan

Published 1954 - 1955

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)

SJ89SW	1955
1:10,560	

SJ88NW	1954
1:10,560	

Historical Map - Slice A

Order Details

Order Number:	355249321_1_1
Customer Ref:	10/2500
National Grid Reference:	383560, 390980
Slice:	A
Site Area (Ha):	0.6
Search Buffer (m):	1000

Site Details

234, Palatine Road, Manchester, M20 2WF

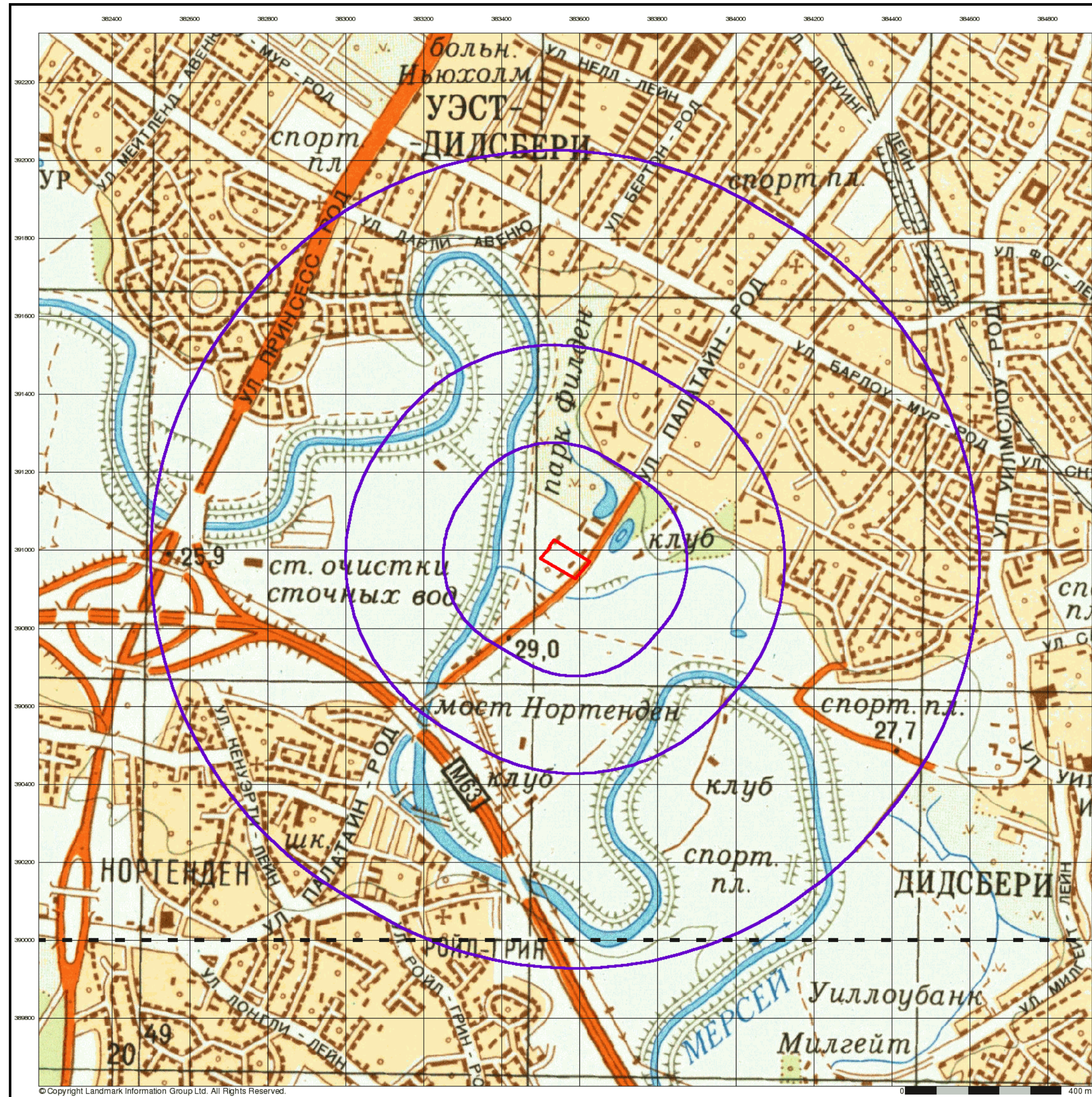
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Manchester
Published 1975
Source map scale - 1:25,000

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)

SJ89	1975	1:25,000
SJ88	1975	1:25,000

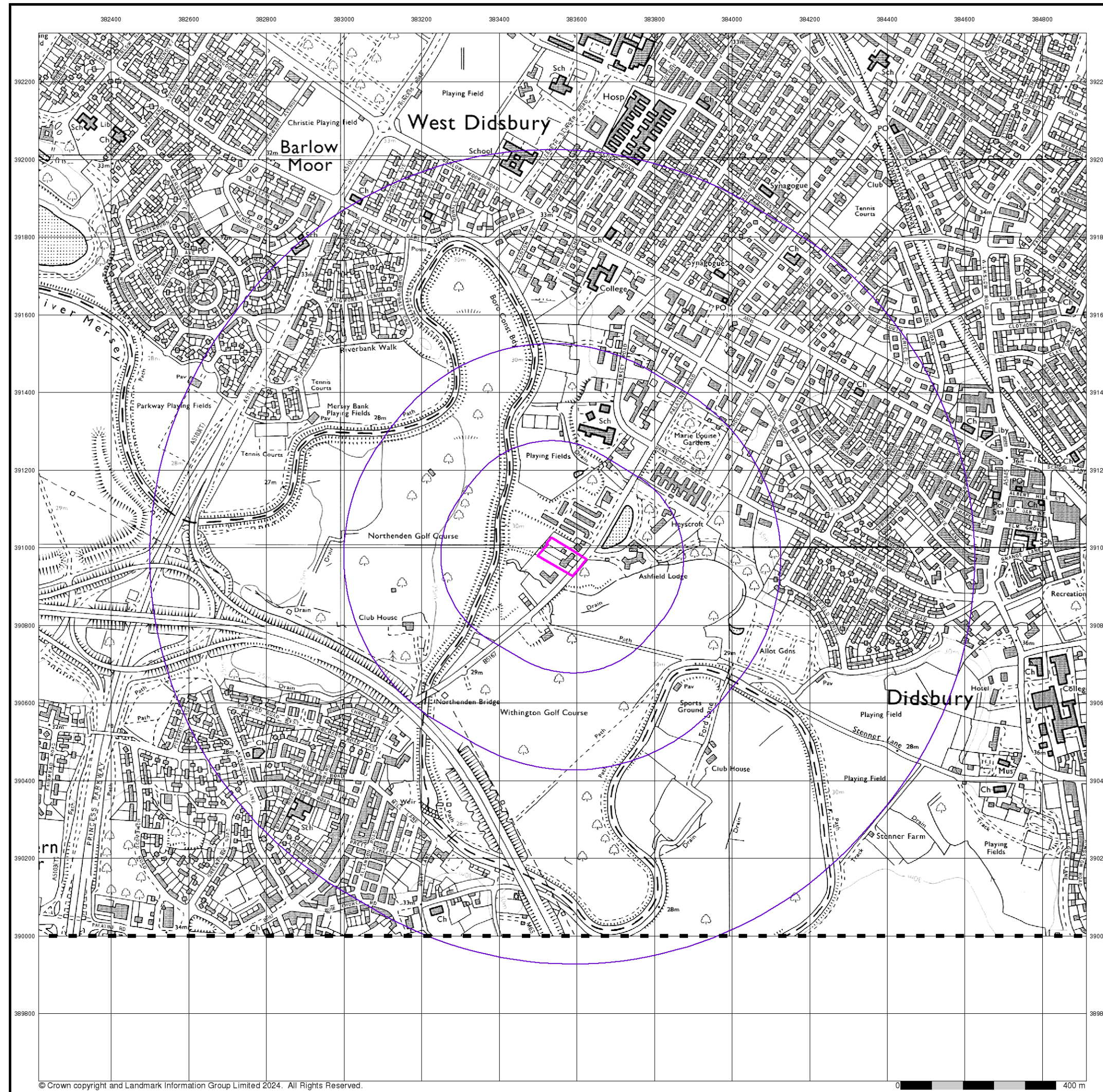
Russian Map - Slice A

North Arrow

Order Details

Order Number:	355249321_1_1
Customer Ref:	10/2500
National Grid Reference:	383560, 390980
Slice:	A
Site Area (Ha):	0.6
Search Buffer (m):	1000

Site Details
234, Palatine Road, Manchester, M20 2WF

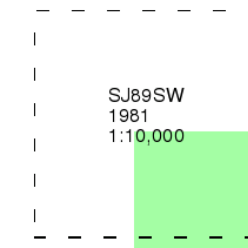


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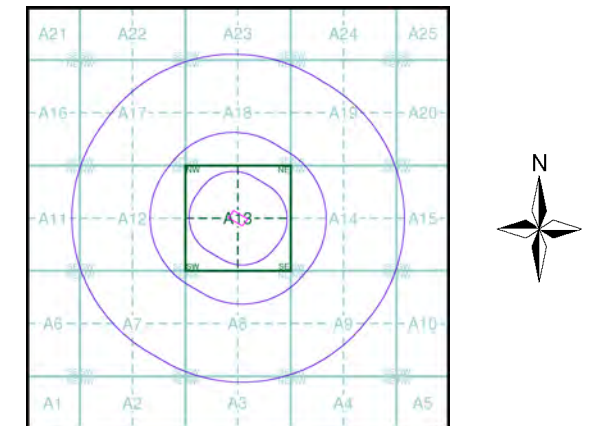
Ordnance Survey Plan
Published 1981
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

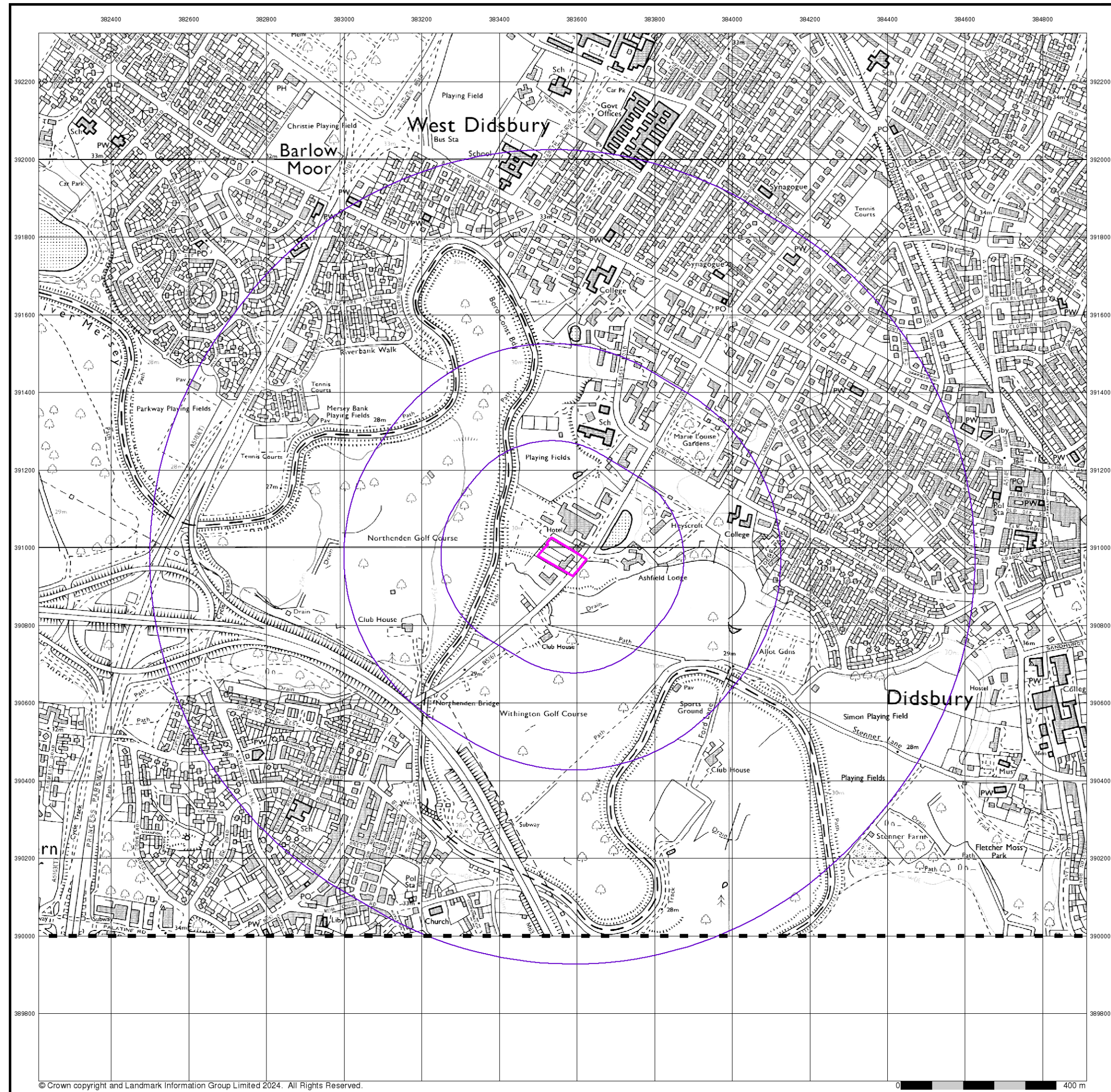


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

234, Palatine Road, Manchester, M20 2WF



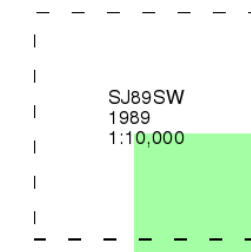
Ordnance Survey Plan

Published 1989

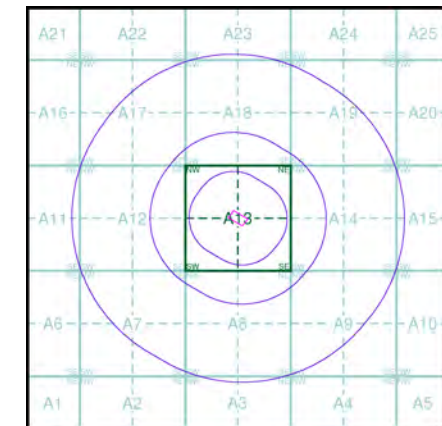
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



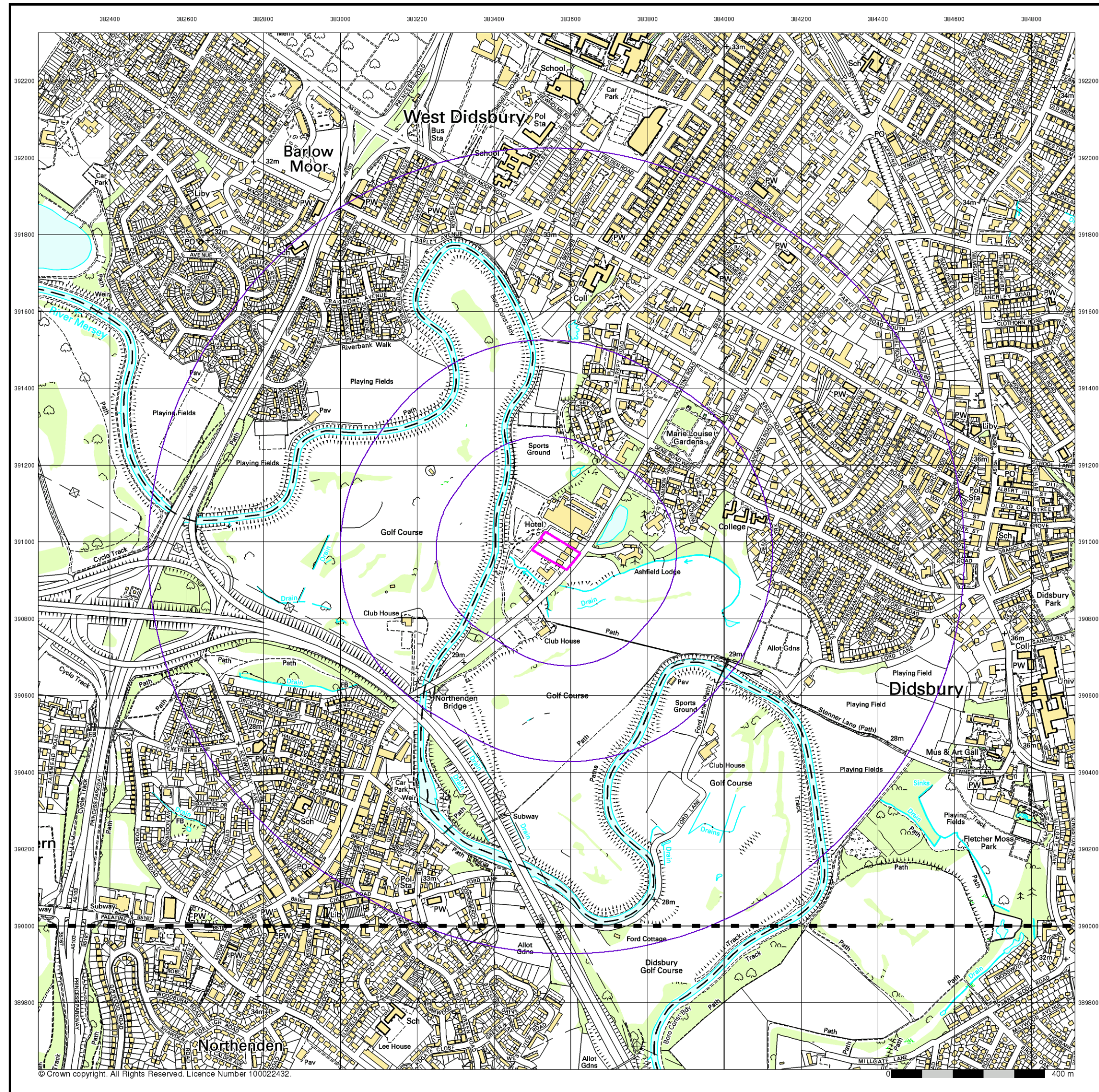
Historical Map - Slice A



Order Details	
Order Number:	355249321_1_1
Customer Ref:	10/2500
National Grid Reference:	383560, 390980
Slice:	A
Site Area (Ha):	0.6
Search Buffer (m):	1000

Site Details

234, Palatine Road, Manchester, M20 2WF



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10k Raster Mapping

Published 2006

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SJ89SW	2006	1:10,000
SJ88NW	2006	1:10,000

Historical Map - Slice A

Order Details

Order Number:	355249321_1_1
Customer Ref:	10/2500
National Grid Reference:	383560, 390980
Slice:	A
Site Area (Ha):	0.6
Search Buffer (m):	1000

Site Details

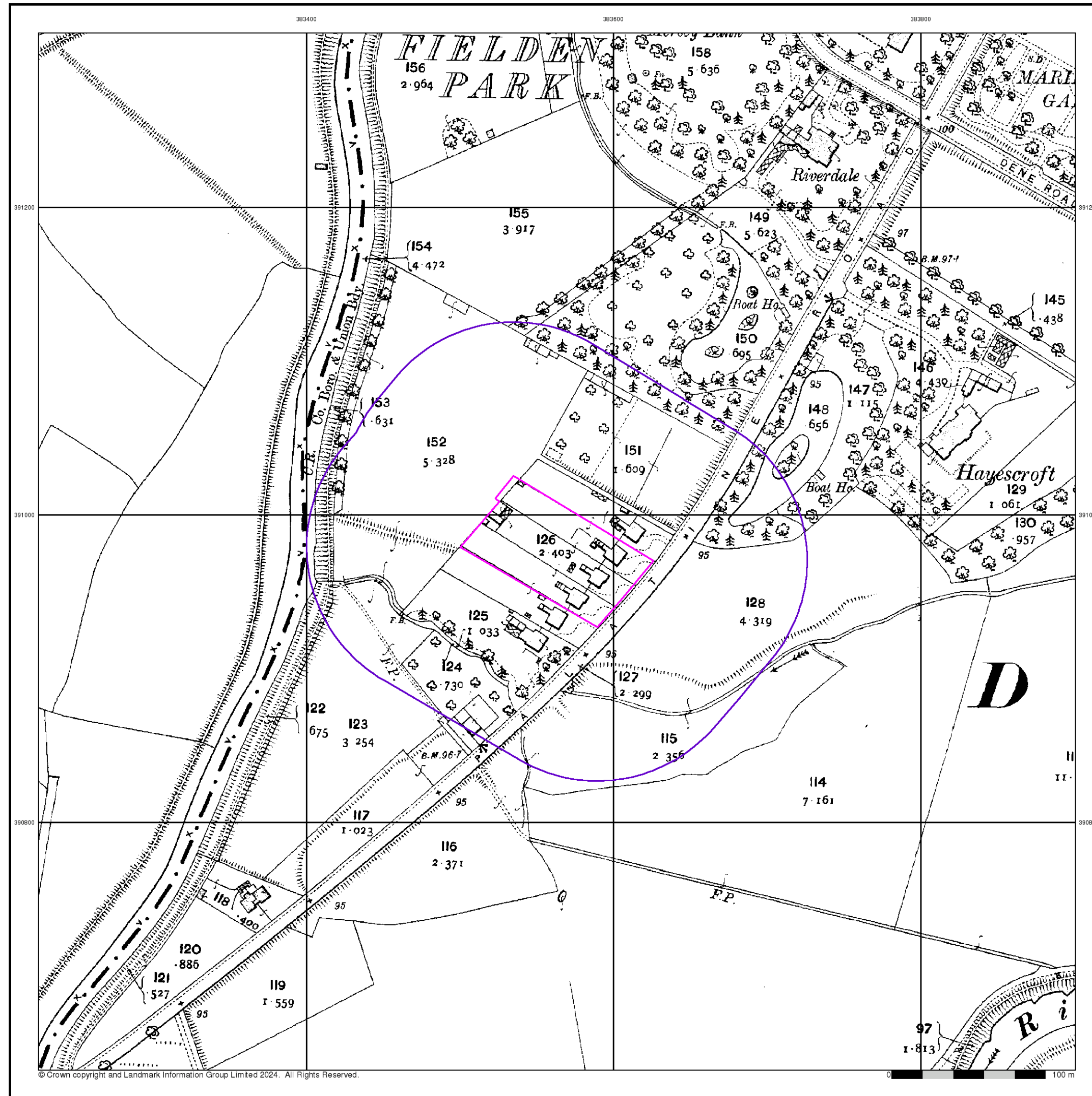
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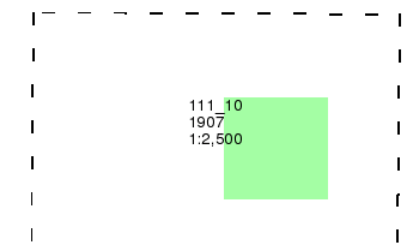
Lancashire And Furness

Published 1907

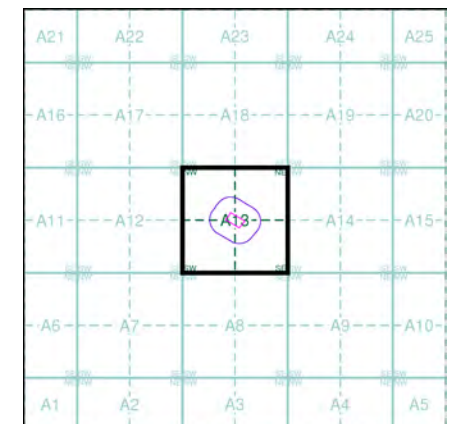
Source map scale - 1:2,500

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

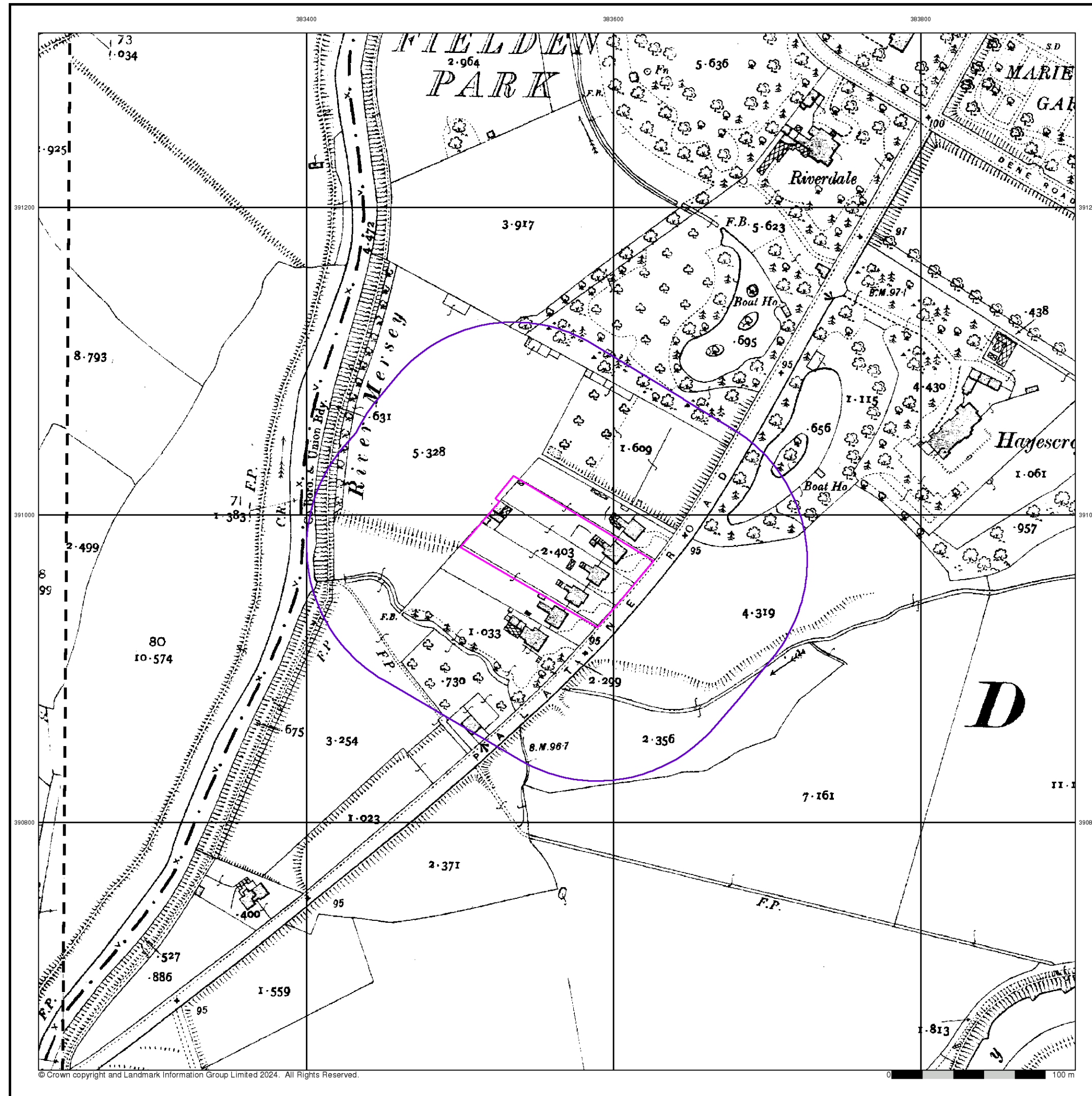


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 100

Site Details

234, Palatine Road, Manchester, M20 2WF



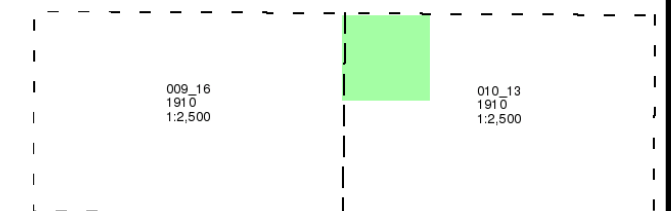
Cheshire

Published 1910

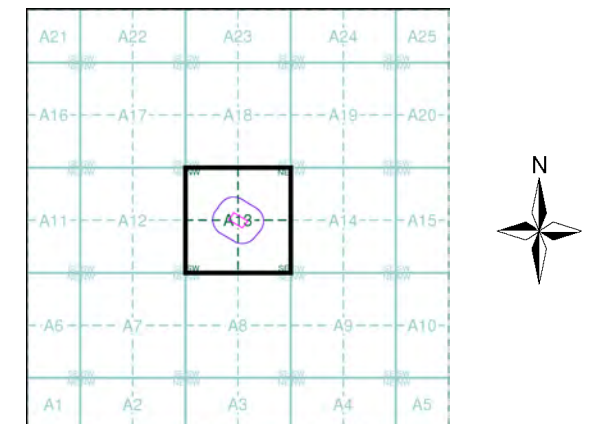
Source map scale - 1:2,500

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

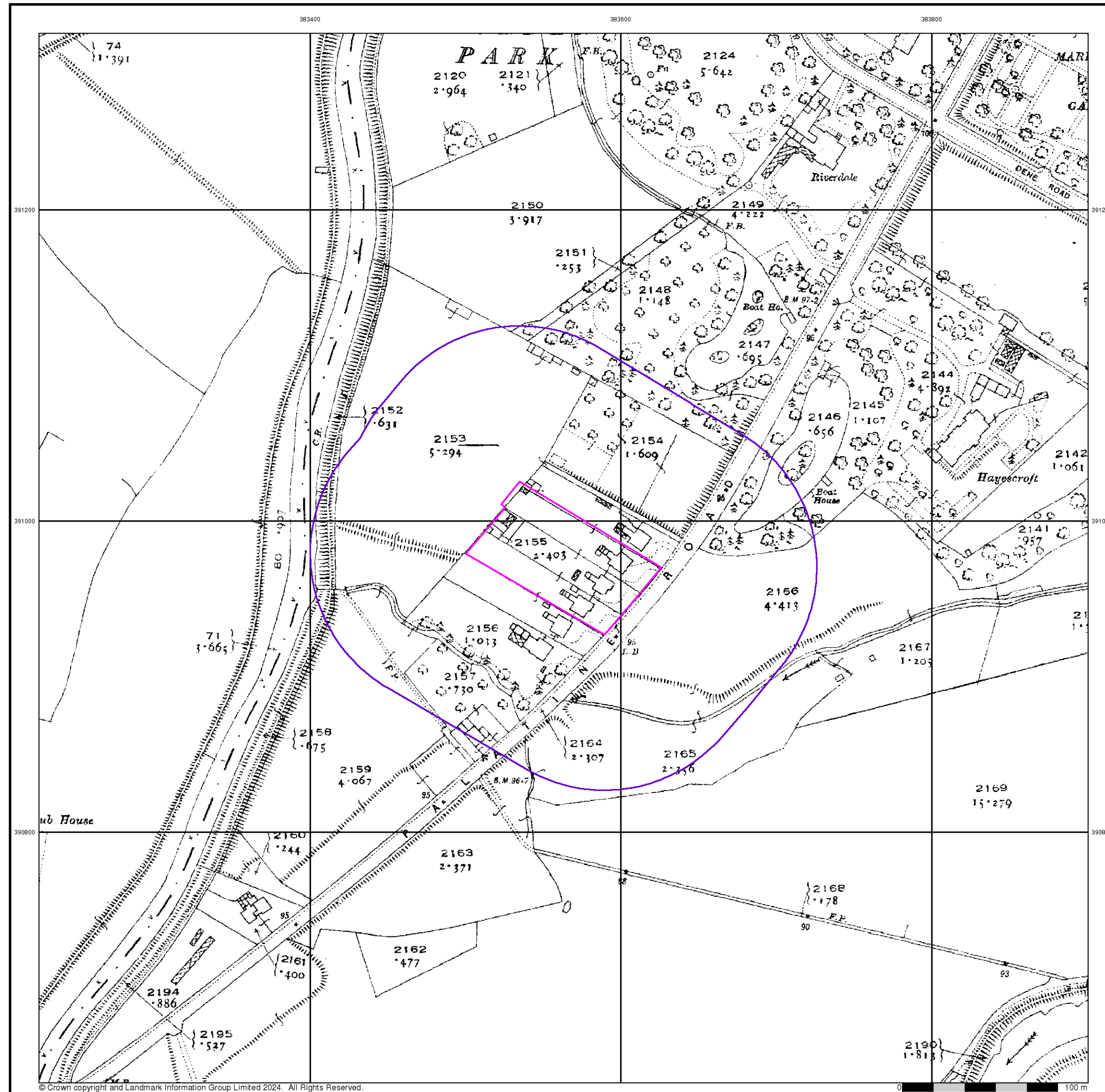


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 100

Site Details

234, Palatine Road, Manchester, M20 2WF



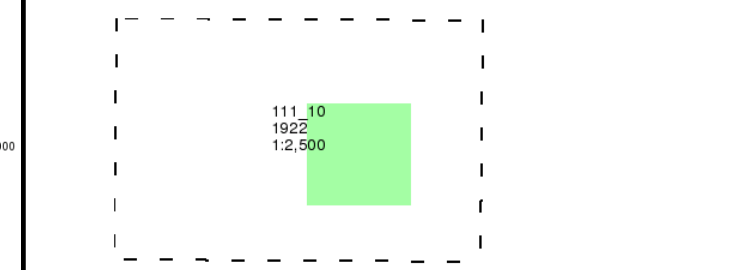
Lancashire And Furness

Published 1922

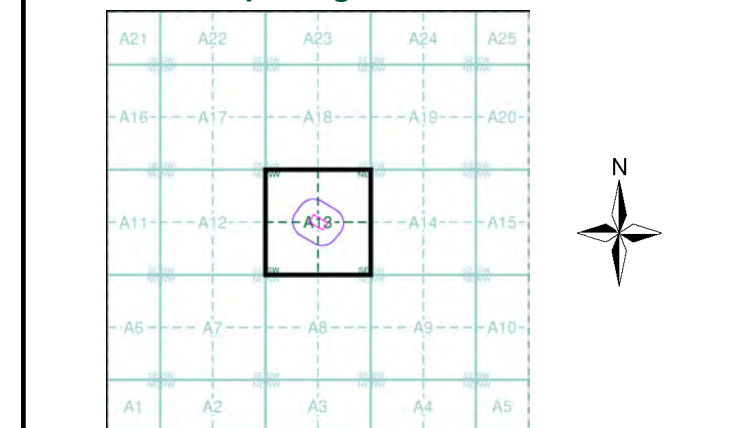
Source map scale - 1:2,500

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

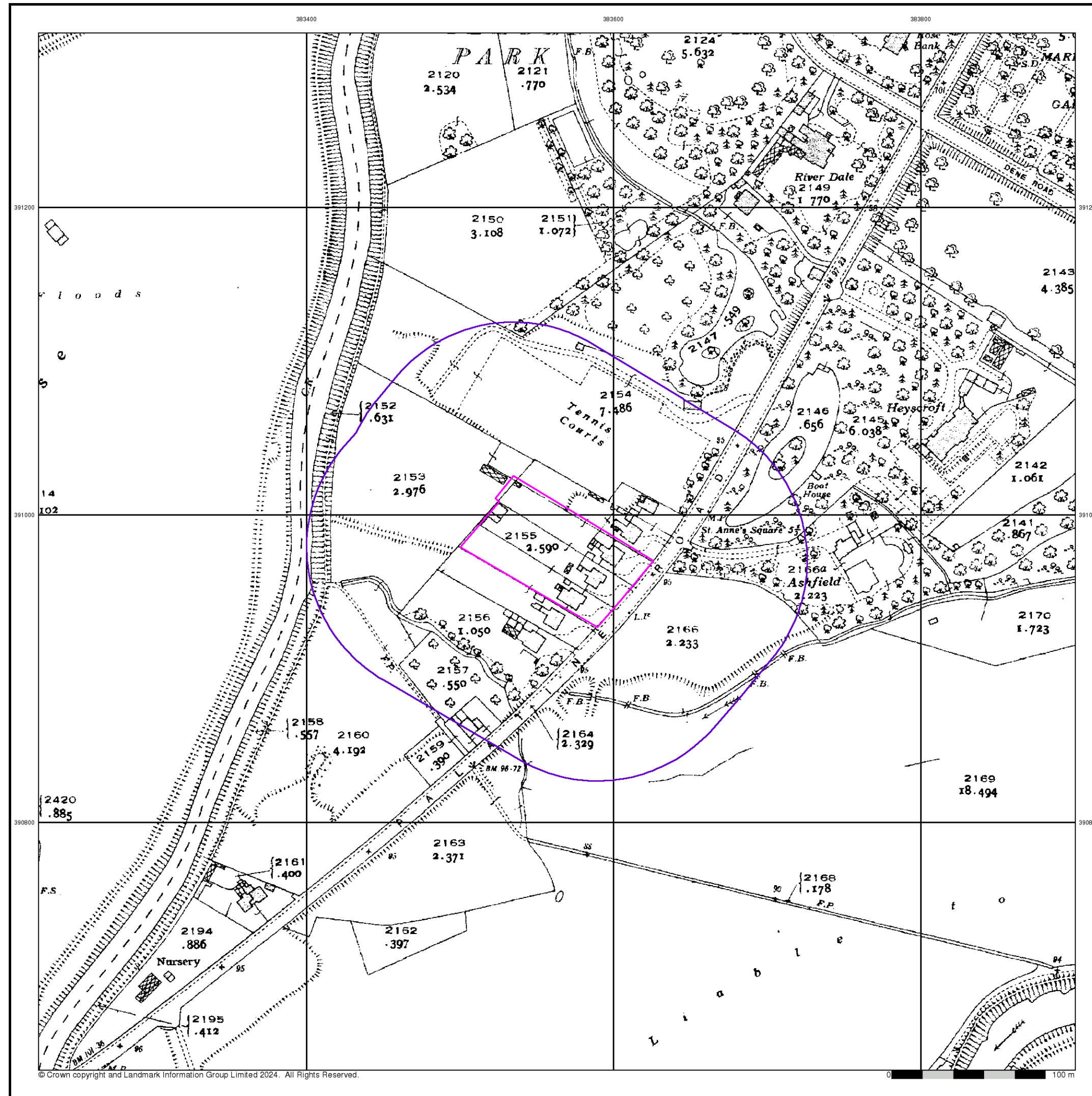


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 100

Site Details

234, Palatine Road, Manchester, M20 2WF



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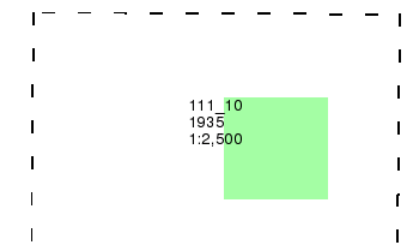
Lancashire And Furness

Published 1935

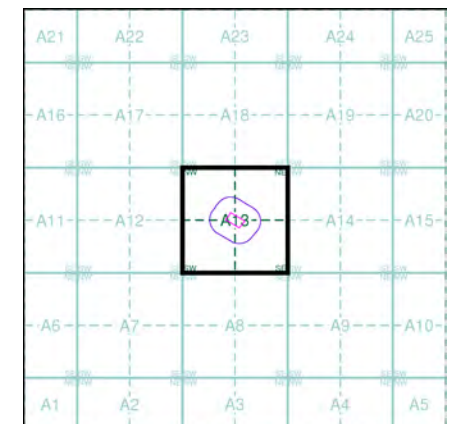
Source map scale - 1:2,500

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

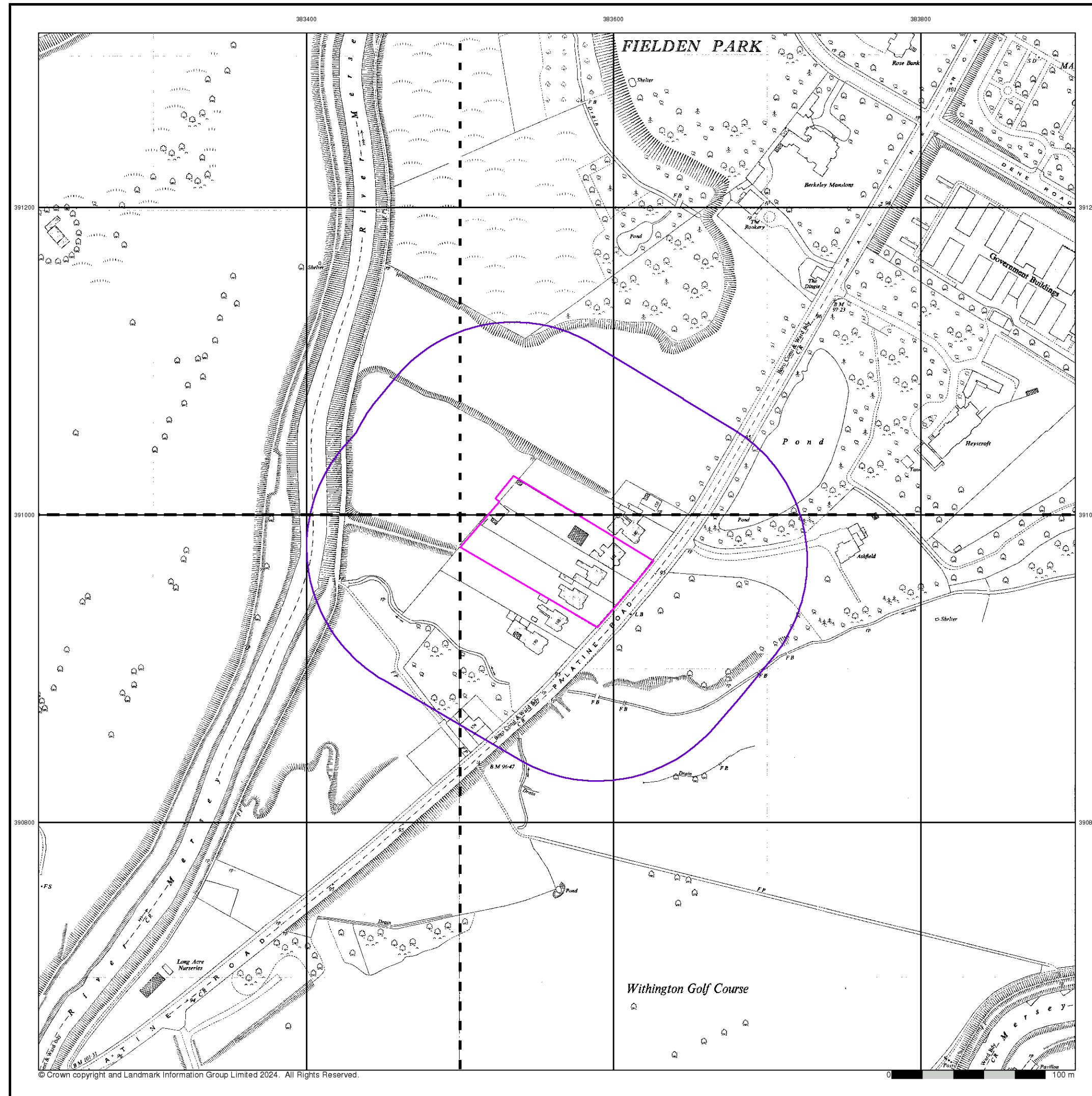


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 100

Site Details

234, Palatine Road, Manchester, M20 2WF



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Ordnance Survey Plan

Published 1955 - 1956

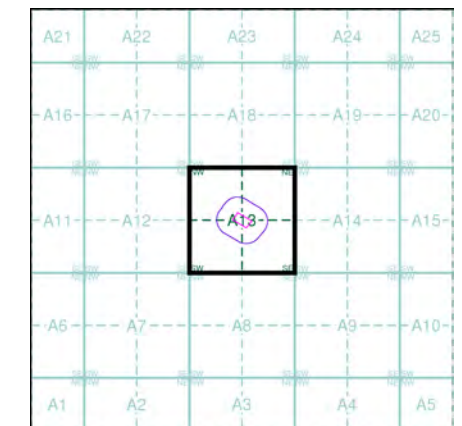
Source map scale - 1:1,250

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)

SJ8391SW	SJ8391SE
1956	1956
1:1,250	1:1,250
SJ8390NW	SJ8390NE
1955	1955
1:1,250	1:1,250

Historical Map - Segment A13

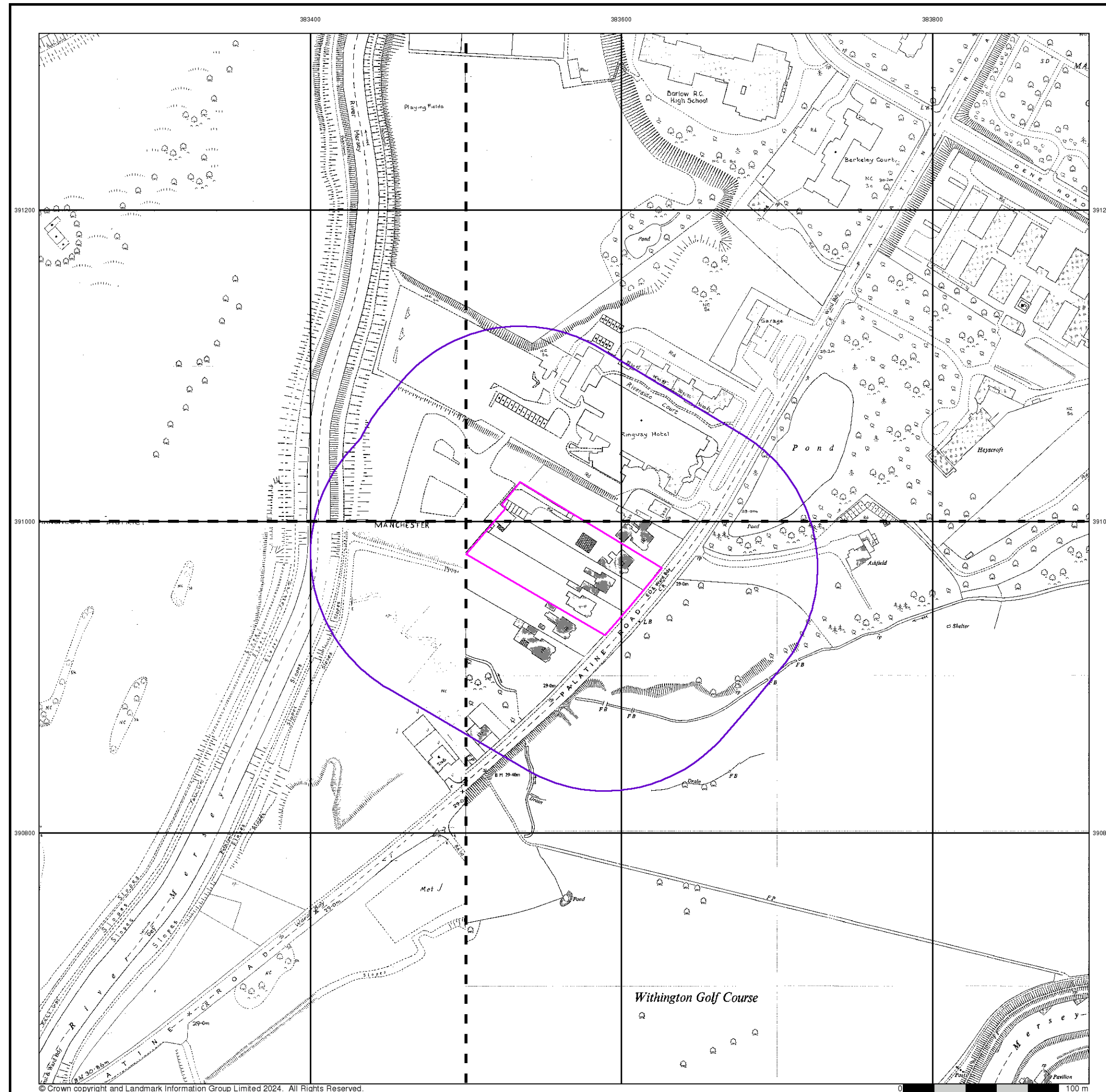


Order Details

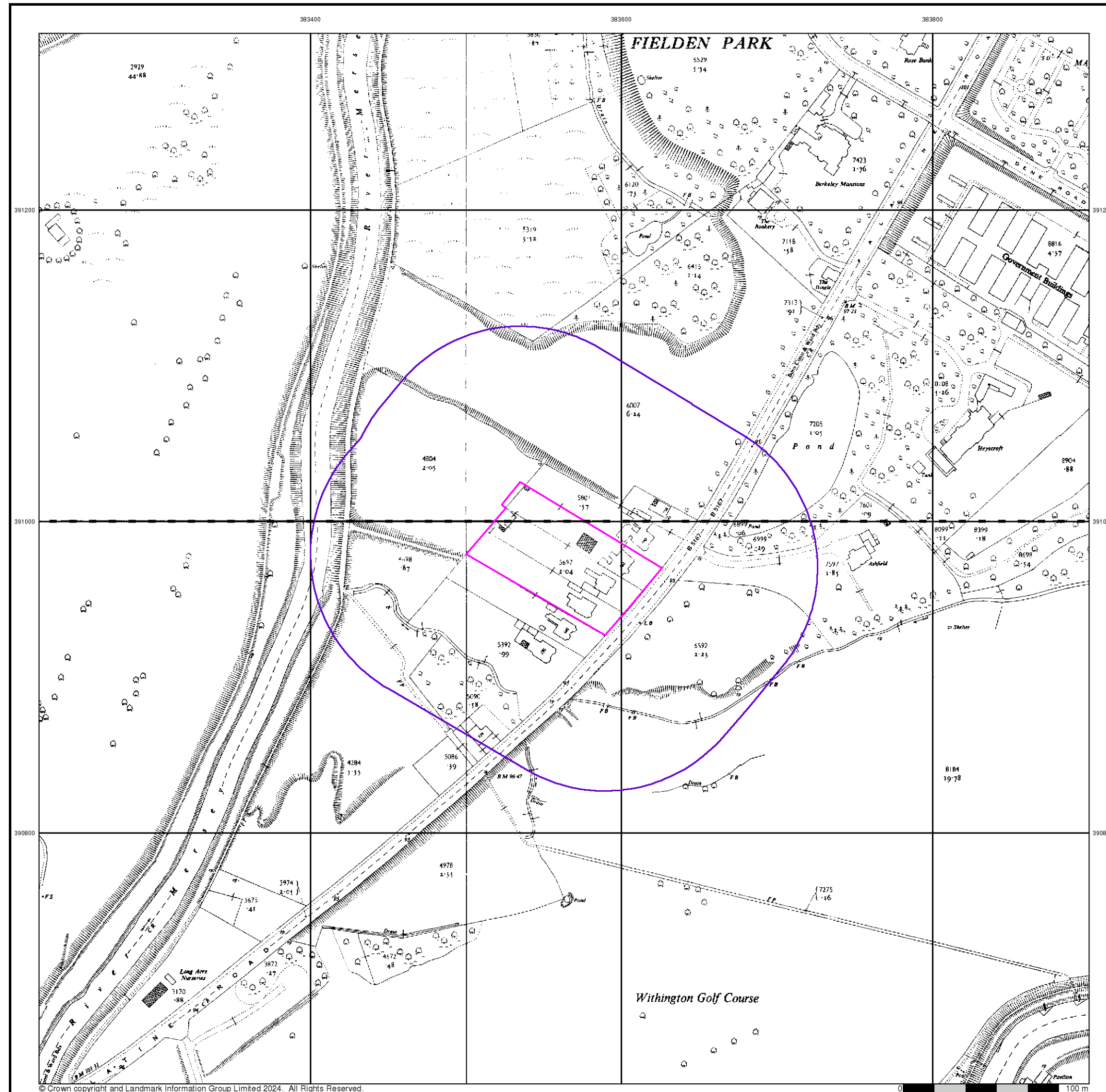
Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 100

Site Details

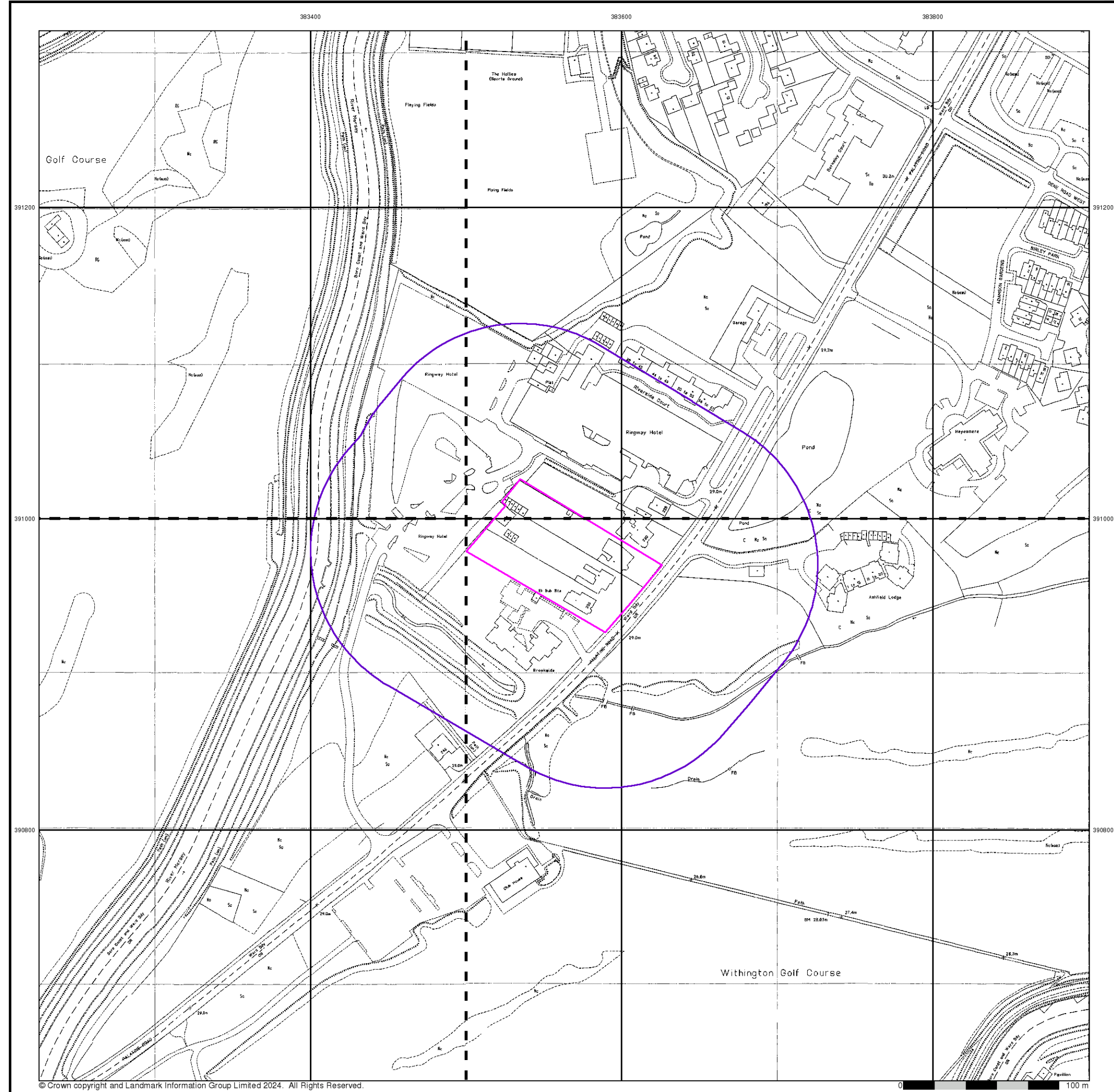
234, Palatine Road, Manchester, M20 2WF



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Large-Scale National Grid Data

Published 1992

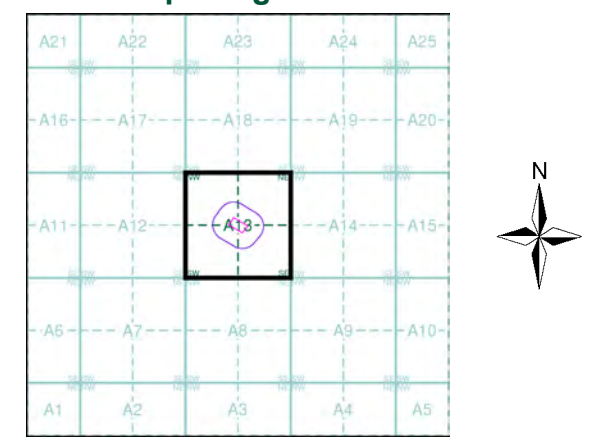
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8391SW	SJ8391SE
1992	1992
1:1,250	1:1,250
SJ8390NW	SJ8390NE
1992	1992
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 100

Site Details

234, Palatine Road, Manchester, M20 2WF



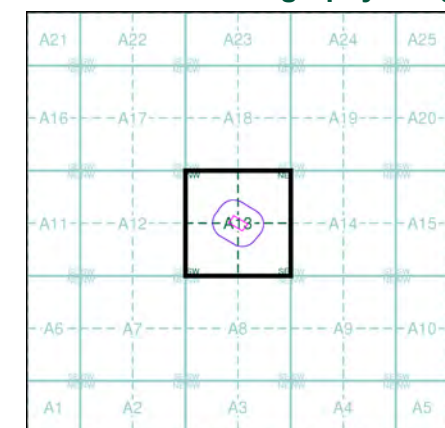
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Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 100

Site Details

234, Palatine Road, Manchester, M20 2WF

APPENDIX III
ZETICA BOMB RISK MAPPING

UNEXPLODED BOMB RISK MAP



SITE LOCATION

Location: M20 2WF,
Map Centre: 383680,391104



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

LEGEND

- High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
- Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
- Low:** Areas indicated as having 15 bombs per 1000acre or less.

- Military
- Industry
- UXO find
- Other
- Transport
- Docks
- Luftwaffe targets
- Utilities
- Bombing decoy
- Airfields

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

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density. Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

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

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

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to pdsa@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

If I have any questions, who do I contact?

tel: [+44 \(0\) 1993 886682](tel:+44(0)1993886682) email: uxo@zetica.com web: www.zeticauxo.com

The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

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

APPENDIX IV
GEOLOGICAL MAPS

Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	GFSD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	SSA	Shirdley Hill Sand Formation	Sand	Not Supplied - Devensian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	HEY	Helsby Sandstone Formation	Sandstone, Pebbly (Gravelly)	Not Supplied - Anisian
	BOM	Bollin Mudstone Member	Mudstone	Not Supplied - Anisian
	TPSF	Tarporley Siltstone Formation	Siltstone, Mudstone and Sandstone	Not Supplied - Olenekian
	CHES	Chester Formation	Sandstone, Pebbly (Gravelly)	Not Supplied - Olenekian
	CHES	Chester Formation	Sandstone	Not Supplied - Olenekian
	WLSF	Wilmslow Sandstone Formation	Sandstone	Not Supplied - Early Triassic
		Faults		

Geology 1:50,000 Maps

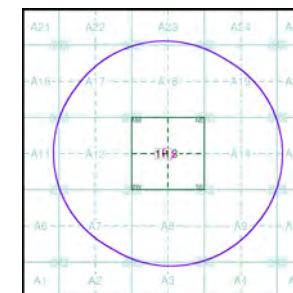
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	098
Map Name:	Stockport
Map Date:	1962
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

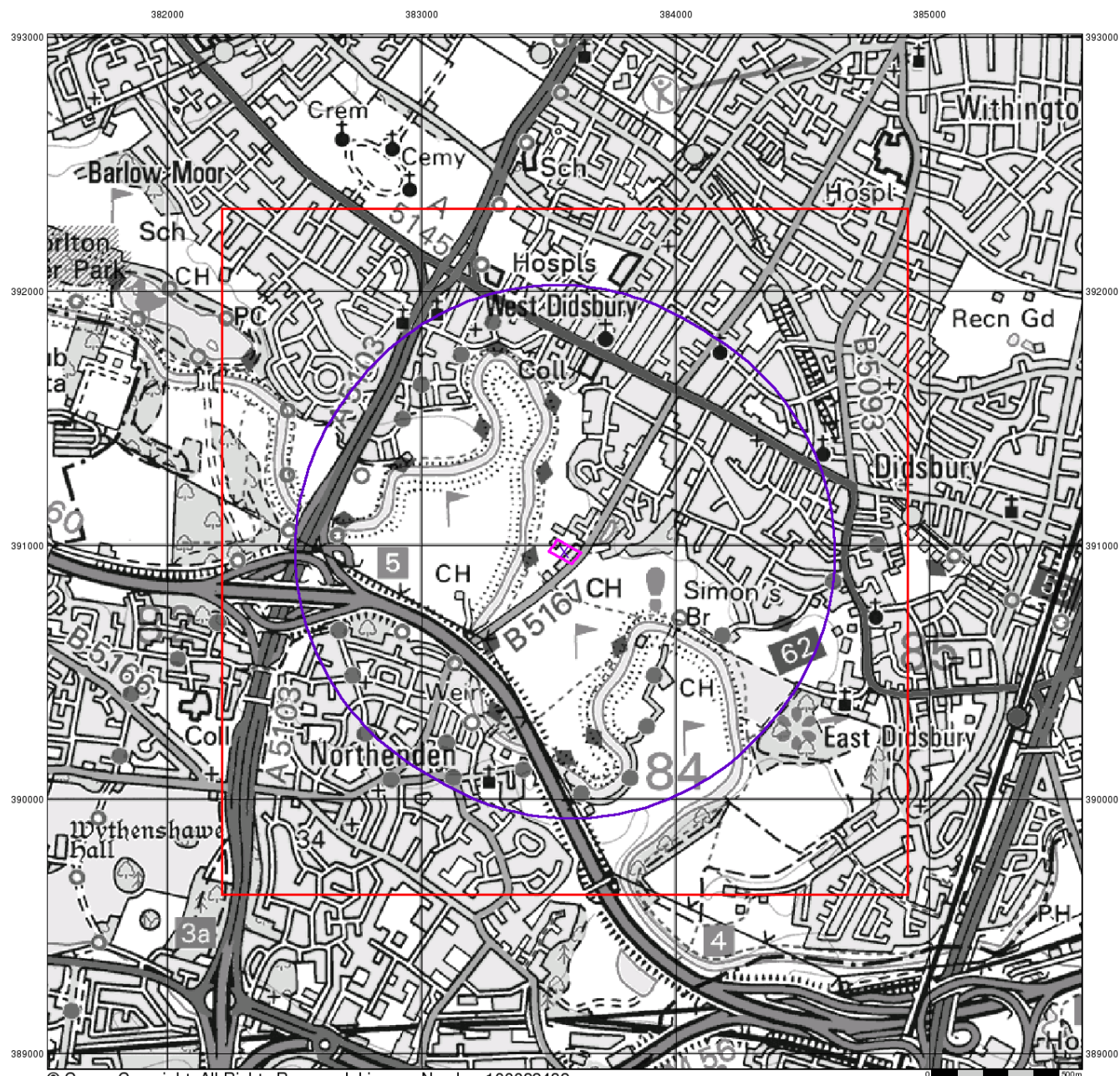


Order Details:

Order Number:	355249321_1_1
Customer Reference:	10/2500
National Grid Reference:	383560, 390980
Slice:	A
Site Area (Ha):	0.6
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

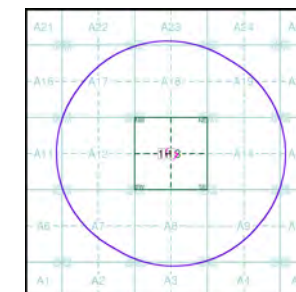
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 355249321_1_1
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 National Grid Reference: 383560, 390980
 Slice: A
 Site Area (Ha): 0.6
 Search Buffer (m): 1000

Site Details:

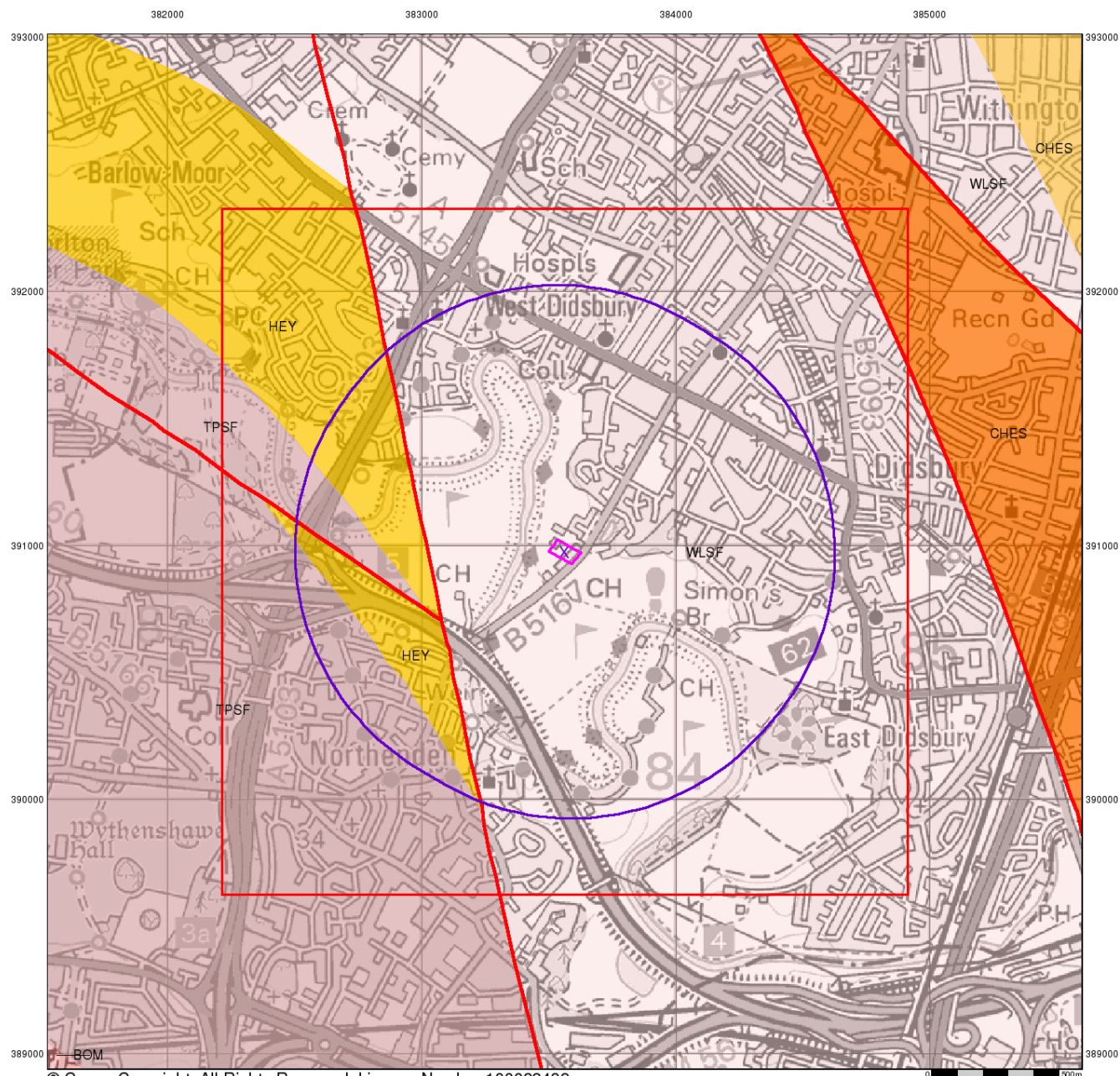
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v15.0 09-Aug-2024

Page 2 of 5



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Bedrock and Faults

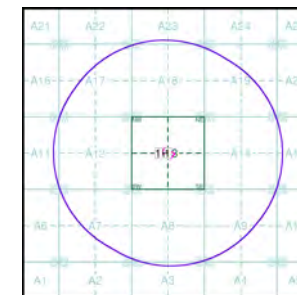
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

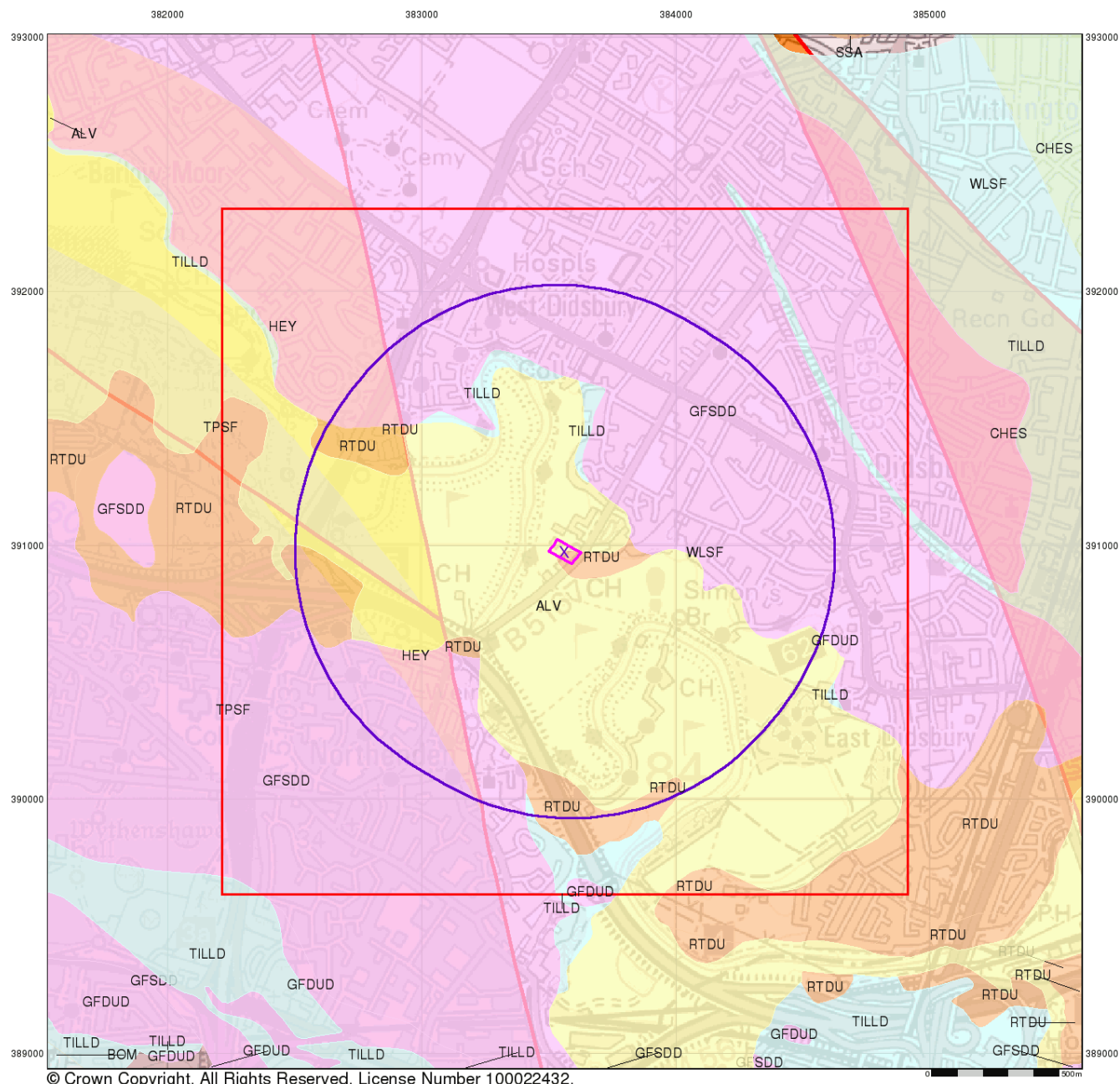
Order Number: 355249321_1_1
Customer Reference: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

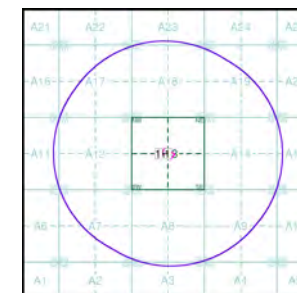
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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

Combined Geology Map - Slice A



Order Details:

Order Number: 355249321_1_1
Customer Reference: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

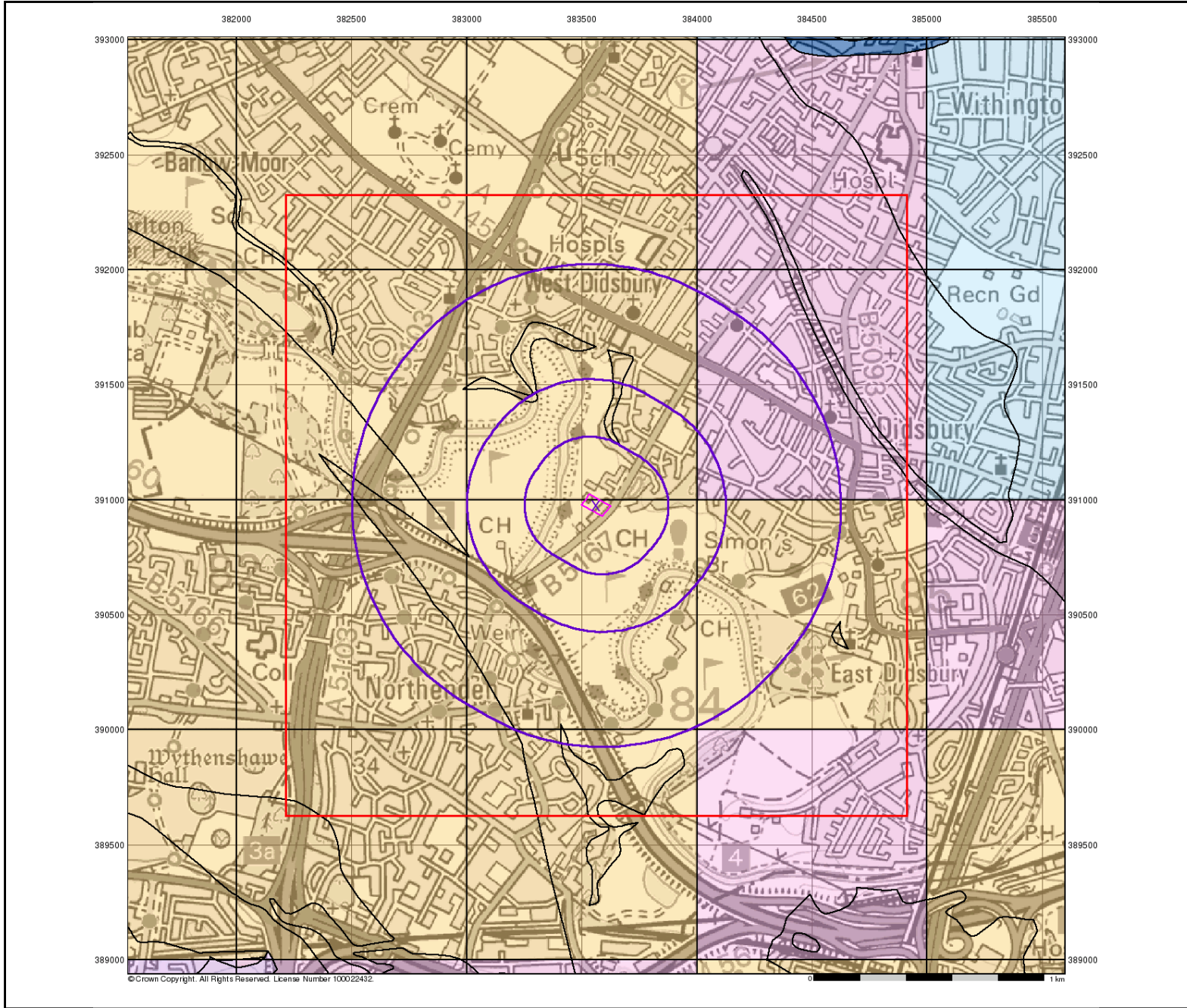
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APPENDIX V
EA SITE SENSITIVITY
&
FLOOD RISK MAPPING



Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

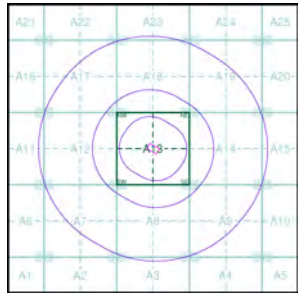
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A

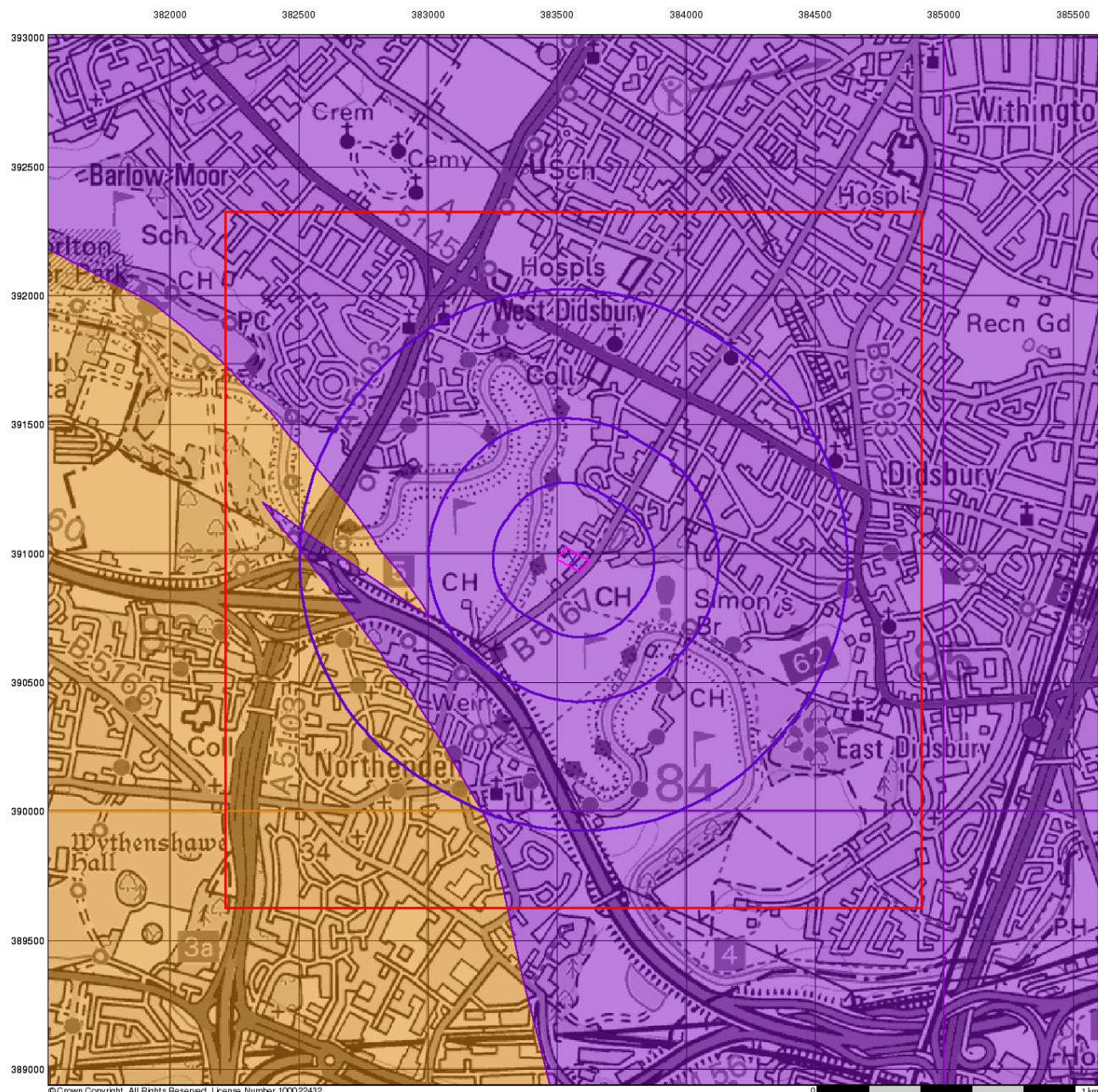


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

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0 1 km

Bedrock Aquifer Designation

General

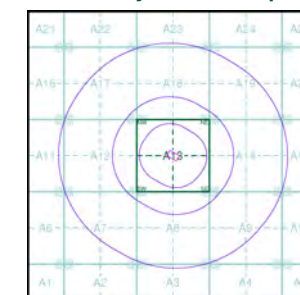
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A

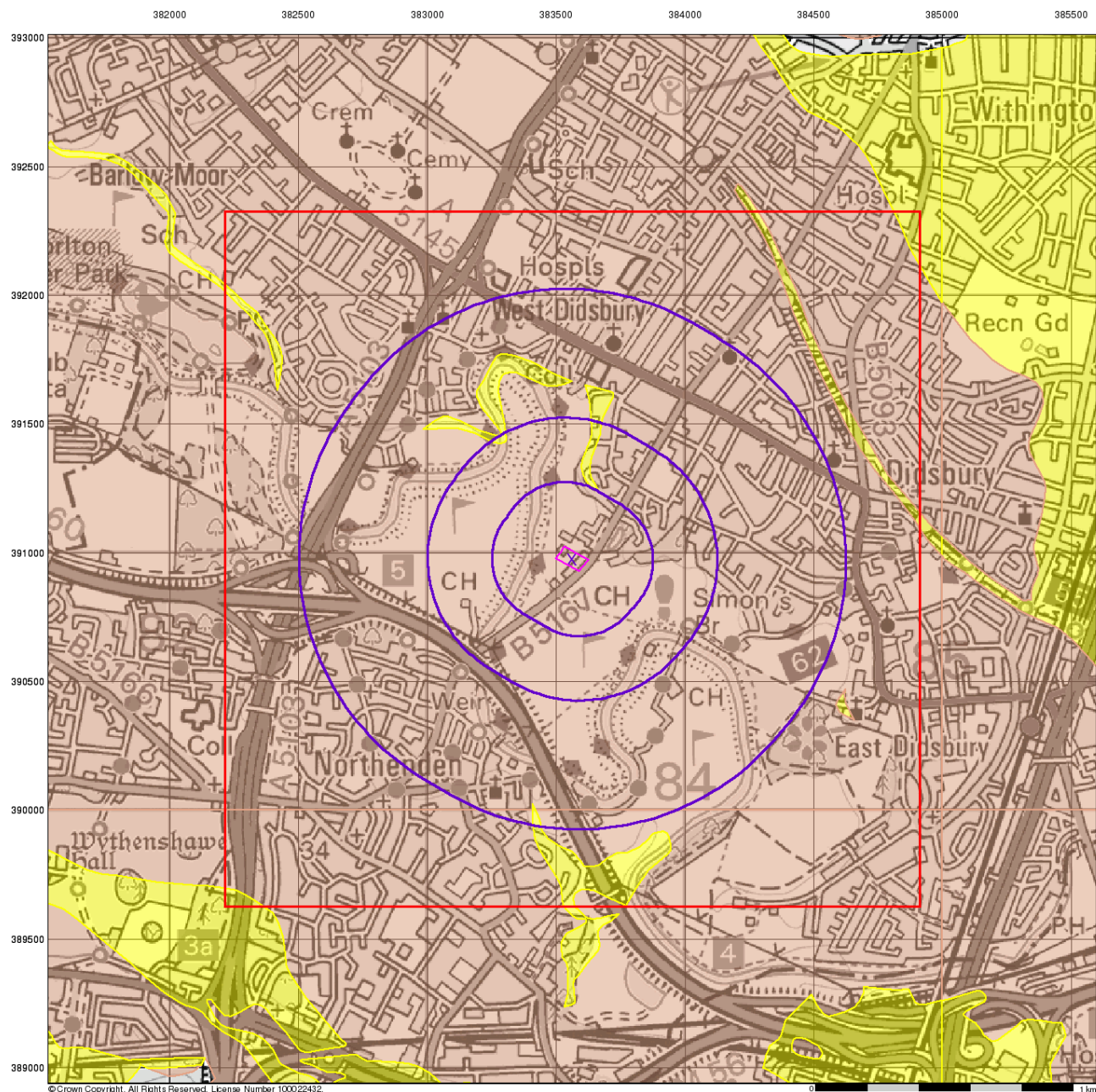


Order Details

Order Number: 355249321_1_1
 Customer Ref: 10/2500
 National Grid Reference: 383560, 390980
 Slice: A
 Site Area (Ha): 0.6
 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

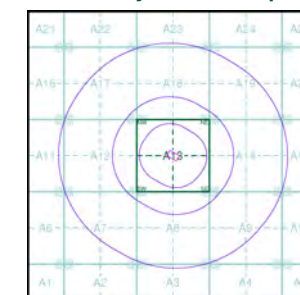
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

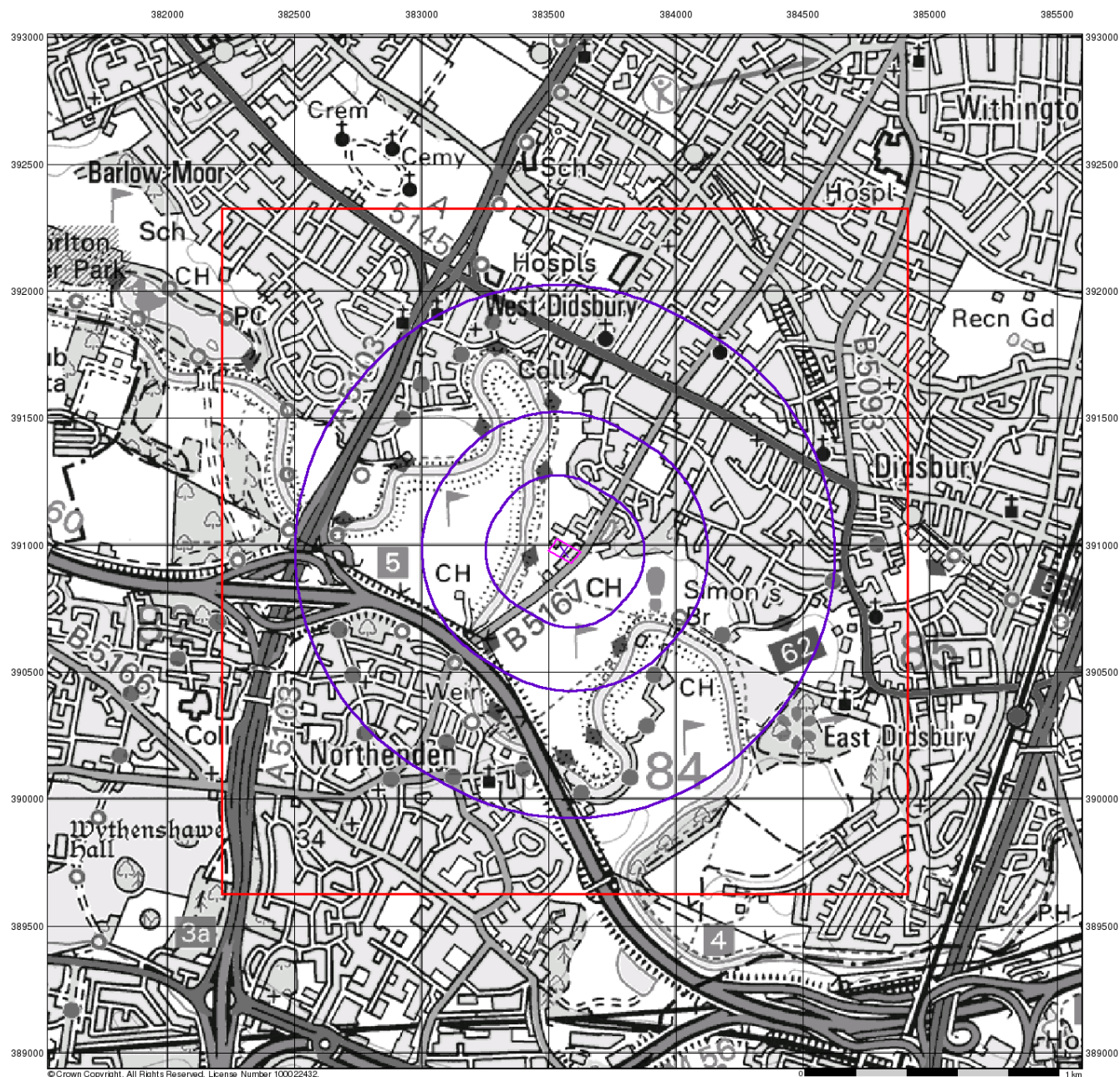
Order Number: 355249321_1_1
 Customer Ref: 10/2500
 National Grid Reference: 383560, 390980
 Slice: A
 Site Area (Ha): 0.6
 Search Buffer (m): 1000

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Source Protection Zones

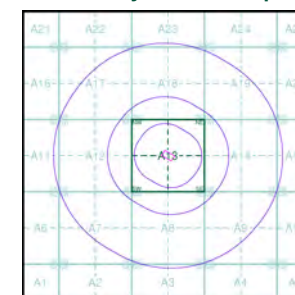
General

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

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A

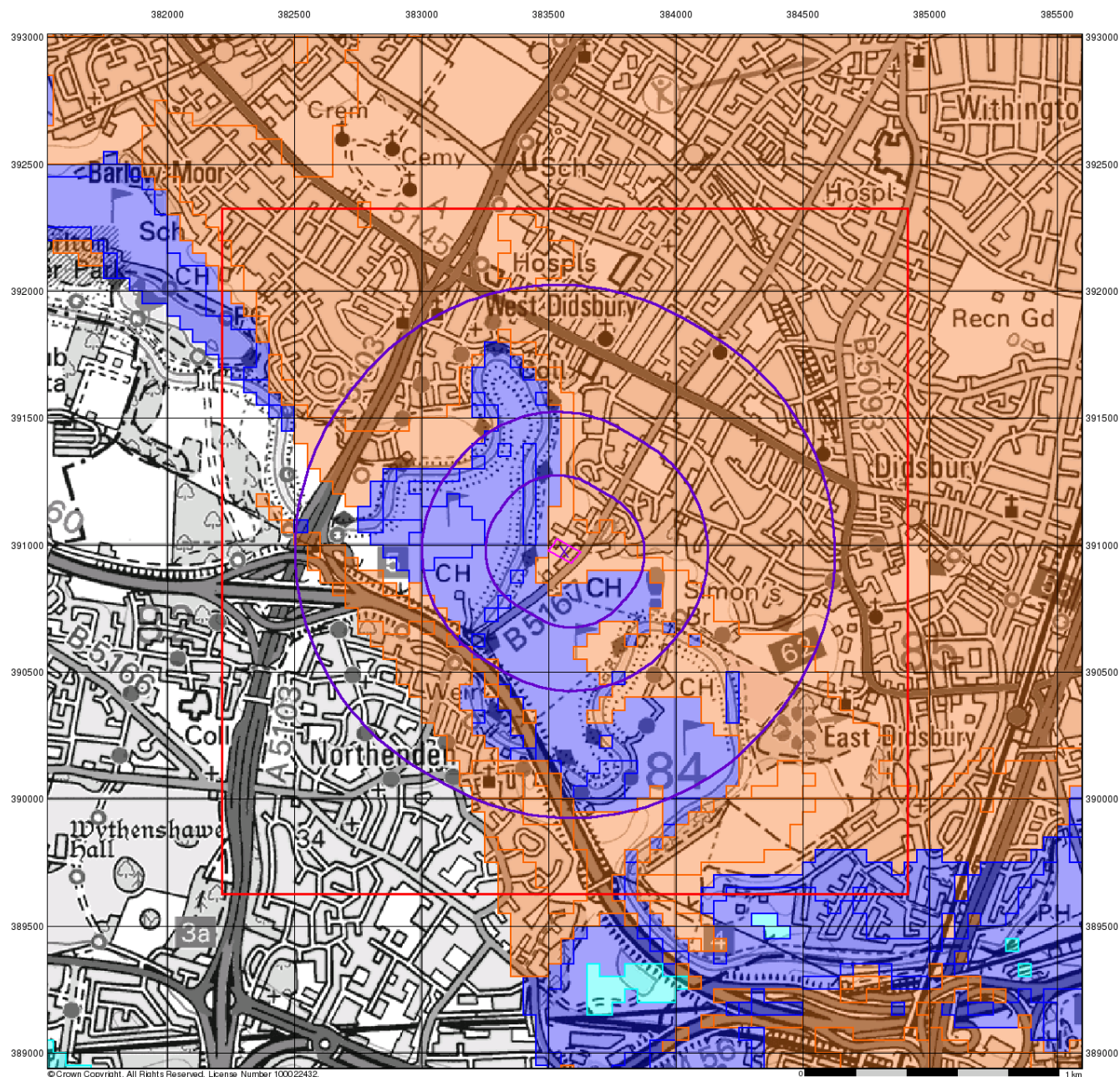


Order Details

Order Number: 355249321_1_1
 Customer Ref: 10/2500
 National Grid Reference: 383560, 390980
 Slice: A
 Site Area (Ha): 0.6
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

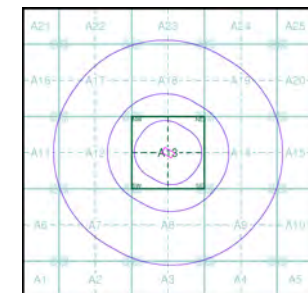
General

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

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



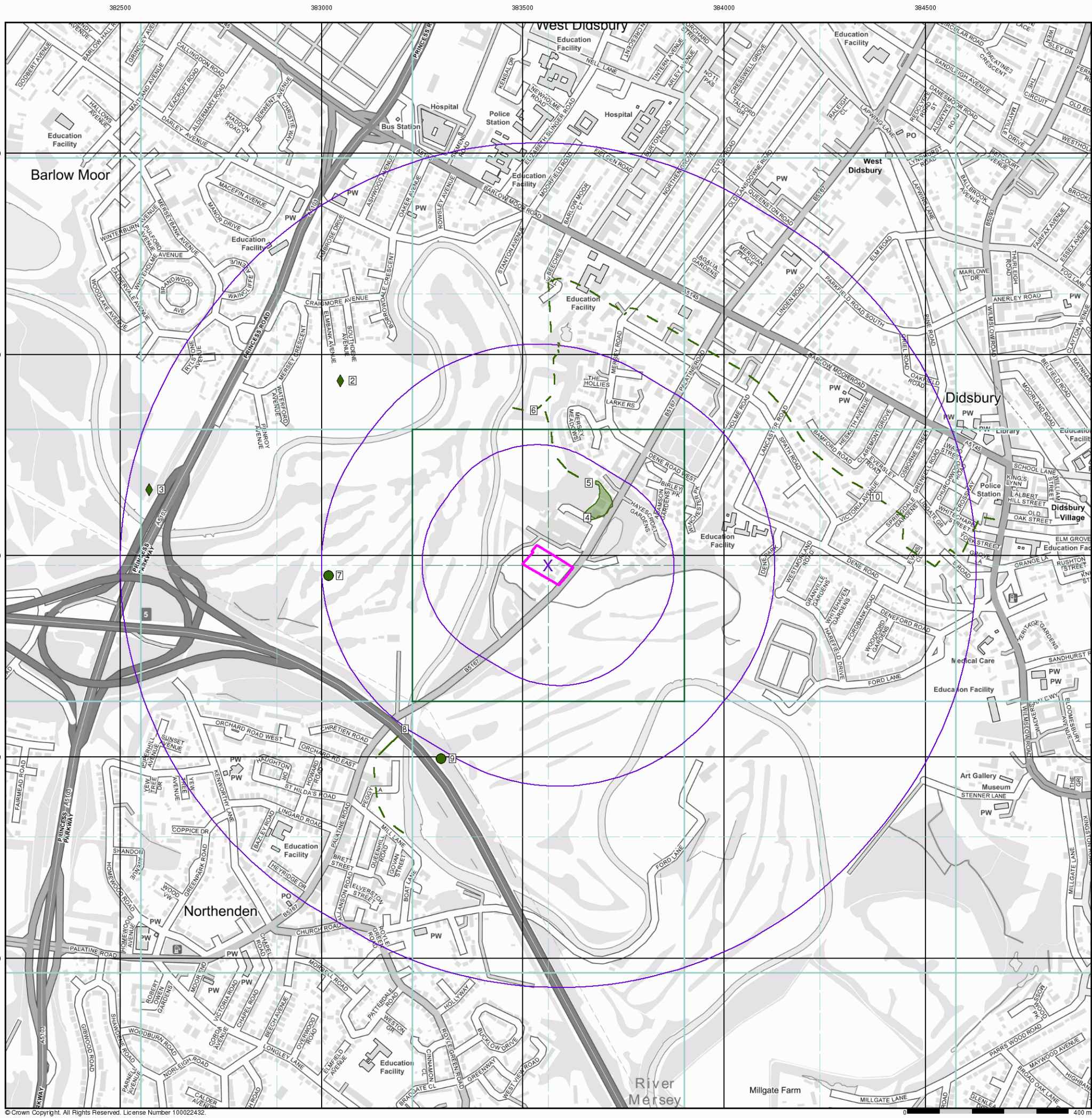
Order Details

Order Number: 355249321_1_1
 Customer Ref: 10/2500
 National Grid Reference: 383560, 390980
 Slice: A
 Site Area (Ha): 0.6
 Search Buffer (m): 1000

Site Details

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APPENDIX VI
ENVIRONMENTAL DATASHEETS



Historical Land Use Information (1:10,000)

General

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

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

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

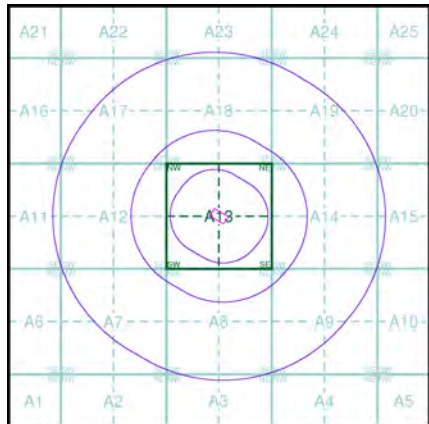
Historical Land Use

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

Mining Data

- Potential Mining Area
- BGS Recorded Mineral Site

Mining and Ground Stability - Slice A

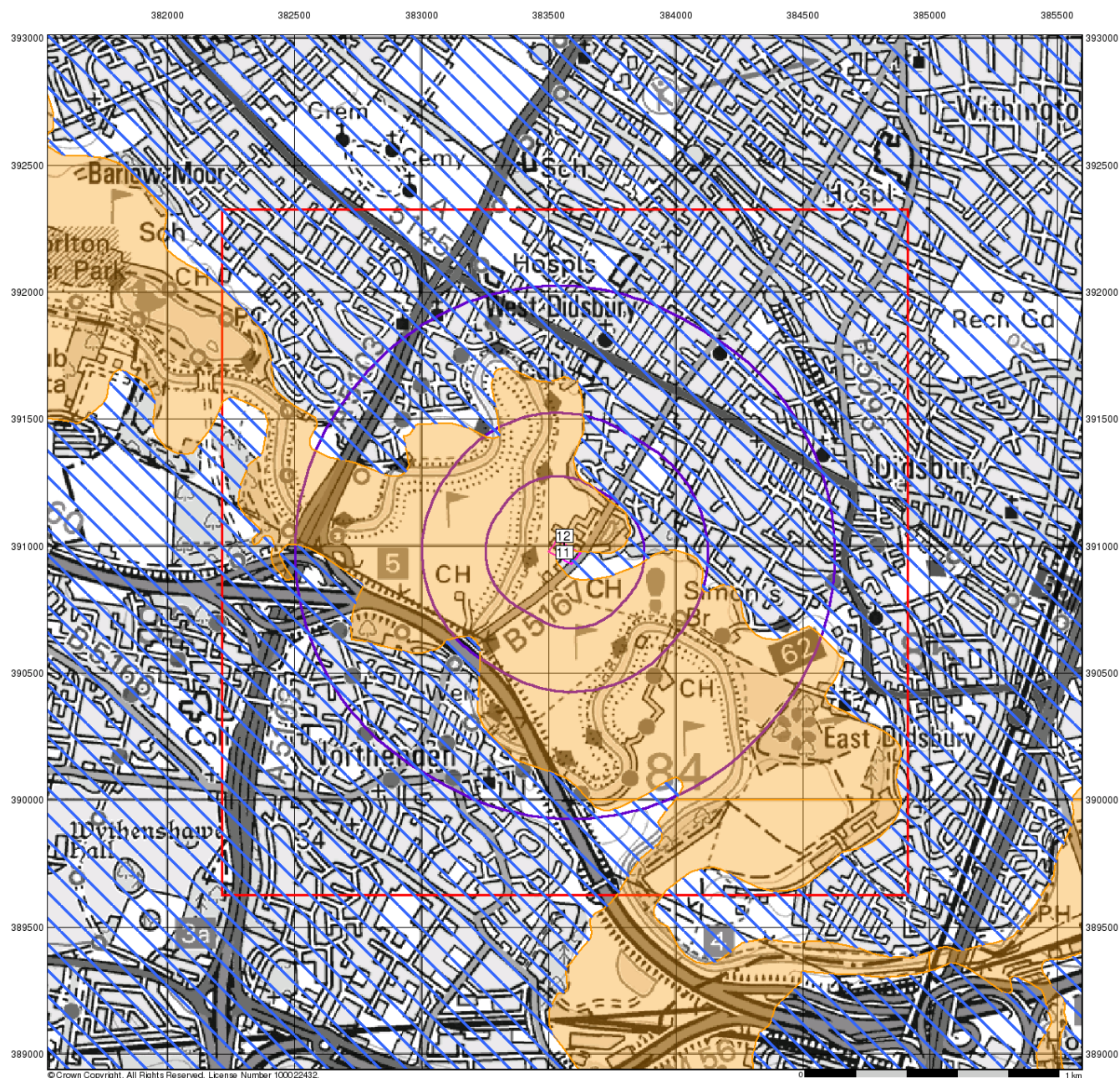


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

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Ground Stability Data (1:50,000)

General

-  Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Potential for Compressible Ground Stability Hazards

- | | | | |
|---|----------|---|----------|
|  | High |  | Low |
|  | Moderate |  | Very Low |

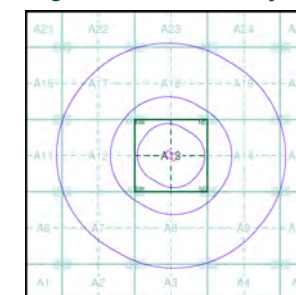
Potential for Collapsible Ground Stability Hazards

-  High
  Low
-  Moderate
  Very Low

Brine Pumping and Salt Mining

- Brine Pumping Related Feature  
- Salt Mining Related Feature  

Mining and Ground Stability - Slice A



Order Details

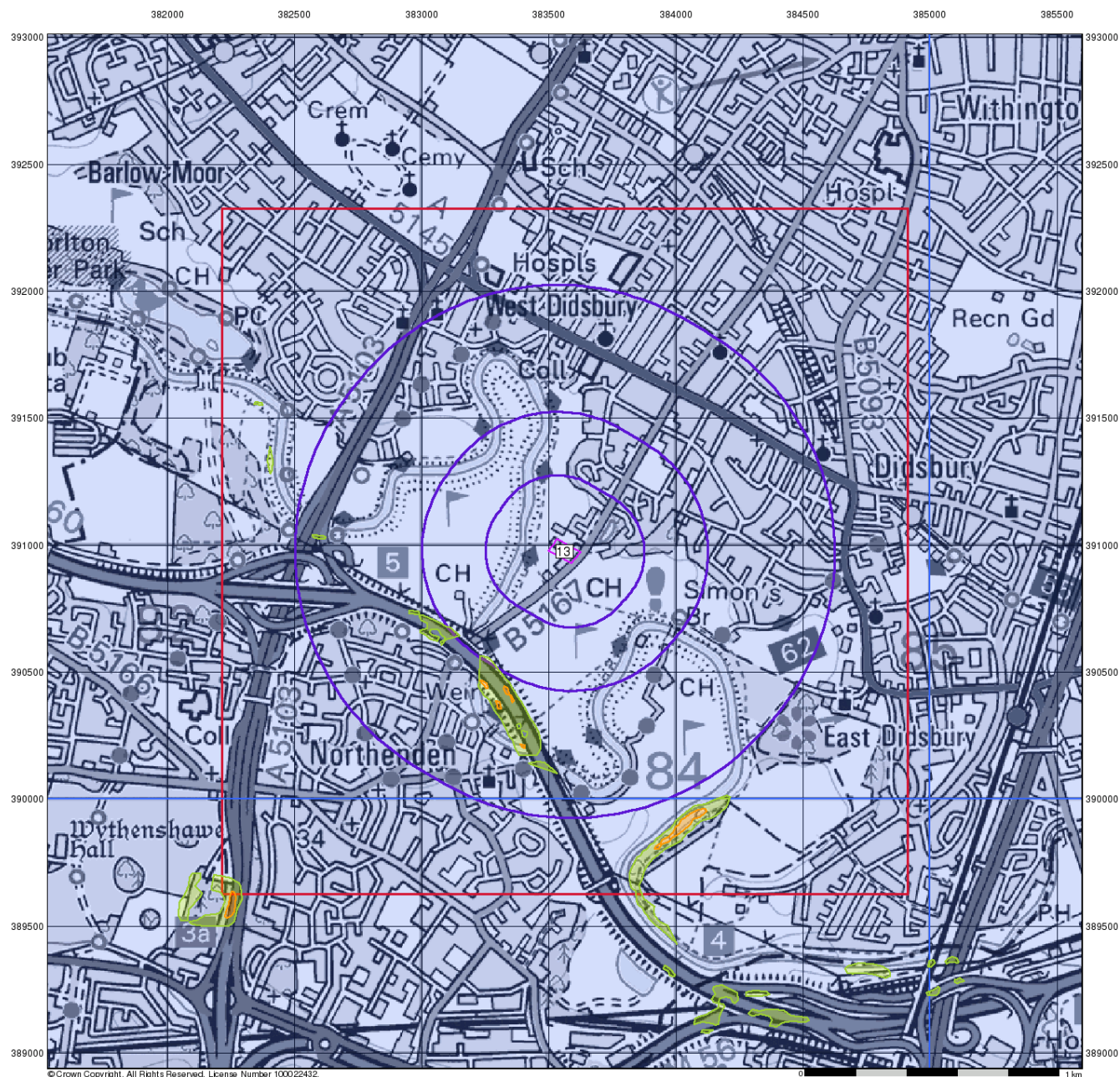
Order Number:	355249321_1_1
Customer Ref:	10/2500
National Grid Reference:	383560, 390980
Slice:	A
Site Area (Ha):	0.6
Search Buffer (m):	1000

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Ground Stability Data (1:50,000)

General

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

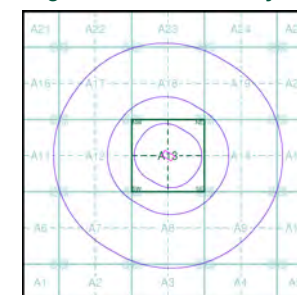
Potential for Landslide Ground Stability Hazards

- High
- Moderate
- Low
- Very Low

Potential for Ground Dissolution Stability Hazards

- High
- Moderate
- Low
- Very Low

Mining and Ground Stability - Slice A



Order Details

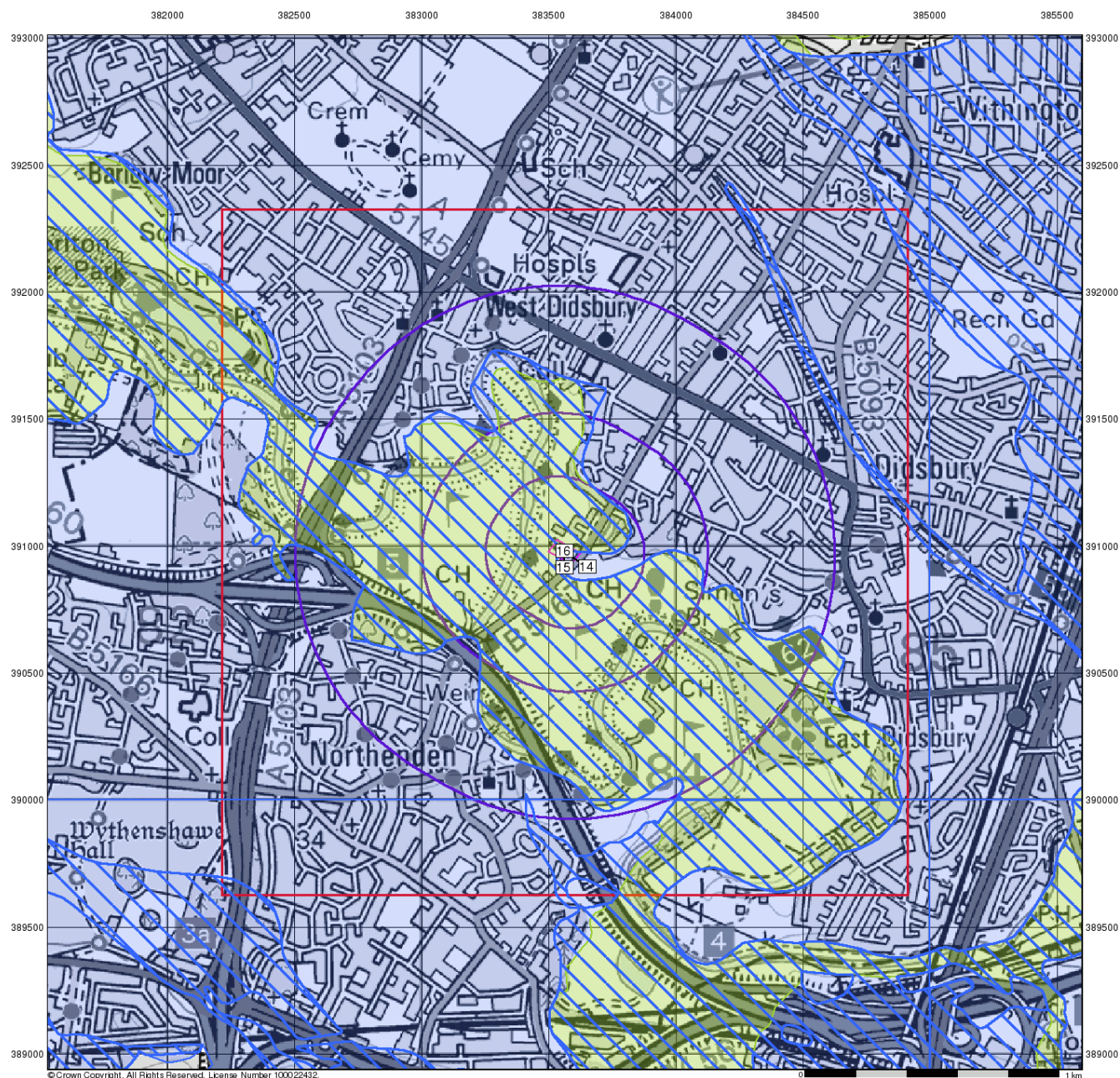
Order Number: 355249321_1_1
 Customer Ref: 10/2500
 National Grid Reference: 383560, 390980
 Slice: A
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Ground Stability Data (1:50,000)

General

-  Specified Site
  Specified Buffer(s)
  Bearing Reference Point

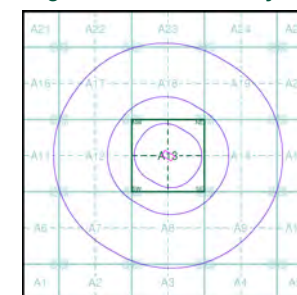
Potential for Running Sand Ground Stability Hazards

- | | | | |
|---|----------|---|----------|
|  | High |  | Low |
|  | Moderate |  | Very Low |

Potential for Shrinking or Swelling Clay Ground Stability Hazards

- | | | | |
|---|----------|---|----------|
|  | High |  | Low |
|  | Moderate |  | Very Low |

Mining and Ground Stability - Slice A



Order Details

Order Number:	355249321_1_1
Customer Ref:	10/2500
National Grid Reference:	383560, 390980
Slice:	A
Site Area (Ha):	0.6
Search Buffer (m):	1000

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Mining and Ground Stability Datasheet

Order Details:

Order Number:

355249321_1_1

Customer Reference:

10/2500

National Grid Reference:

383560, 390980

Slice:

A

Site Area (Ha):

0.6

Search Buffer (m):

1000

Site Details:

234

Palatine Road

Manchester

M20 2WF

Client Details:

Mr N Riding

Clancy Consulting Ltd

Dunham Court

2 Dunham Road

Altrincham

Cheshire

WA14 4NX

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

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

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

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 1		1	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents	pg 2				2
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 2		2	2	3
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes		n/a	n/a
Salt Mining Related Features					

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Extractive Industries or Potential Excavations from 1950-1980 Use: Pond First Map Published 1956 Date: Last Map Published 1956 Date:	A13NE (E)	49	-	383669 390992

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1955	A17SE (NW)	638	-	383046 391435
3	Heap, unknown constituents Use: Not Supplied Date of Mapping: 1955	A12NW (W)	948	-	382570 391164
4	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13NE (NE)	123	-	383660 391094
5	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (NE)	199	-	383663 391180
6	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	336	-	383527 391360
7	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A12SE (W)	485	-	383016 390951
8	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	505	-	383207 390569
9	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (SW)	520	-	383297 390497
10	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NE (E)	772	-	384377 391146

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
11	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	383562 390980
12	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	383562 390980
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
13	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
14	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
15	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	383562 390980
16	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	383562 390980
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976

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

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SJ8391	1956

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

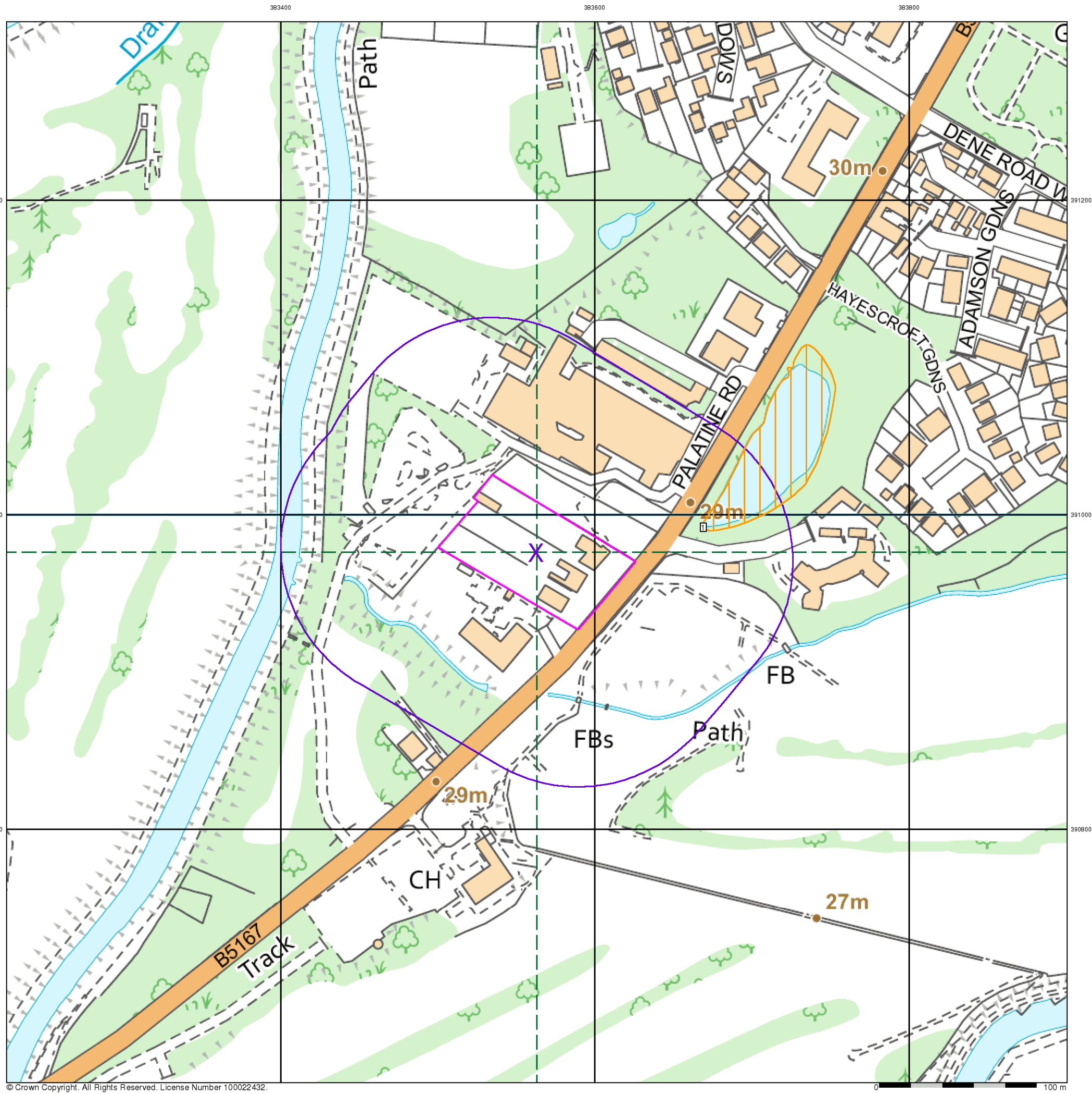
1:10,560	Mapsheet	Published Date
Lancashire And Furness	111_00	1848
Cheshire	009_00	1882
Cheshire	010_00	1882
Cheshire	018_00	1882
Cheshire	019_00	1882
Lancashire And Furness	111_NE	1894
Lancashire And Furness	111_NW	1894
Lancashire And Furness	111_SW	1894
Lancashire And Furness	111_SE	1895
Cheshire	009_SE	1899
Cheshire	010_SW	1899
Cheshire	018_NE	1899
Cheshire	019_NW	1899
Lancashire And Furness	111_NE	1908
Lancashire And Furness	111_NW	1908
Cheshire	009_SE	1911
Cheshire	010_SW	1911
Cheshire	018_NE	1911
Cheshire	019_NW	1911
Lancashire And Furness	111_SE	1911
Lancashire And Furness	111_SW	1911
Lancashire And Furness	111_NE	1923
Lancashire And Furness	111_SE	1923
Lancashire And Furness	111_SW	1923
Lancashire And Furness	111_NW	1933
Cheshire	009_SE	1938
Cheshire	010_SW	1938
Cheshire	018_NE	1938
Cheshire	019_NW	1938
Ordnance Survey Plan	SJ88NW	1954
Ordnance Survey Plan	SJ89SW	1955
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	SJ89SW	1989
Ordnance Survey Plan	SJ88NW	1996

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2023	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2023	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	Version	Update Cycle
Subterranean Features Landmark Information Group Limited	July 2023	Bi-Annually
Ground Stability Data (1:50,000)	Version	Update Cycle
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:2,500)

General

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

Several of Type at Location

Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	▧
Extractive Industries Activity from 1906 - 1937	▲	—	▨
Extractive Industries Activity from 1924 - 1949	▲	—	▩
Extractive Industries Activity from 1950 - 1980	▲	—	▪

Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	■

Mining and Ground Stability - Segment A13

Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Plot Buffer (m): 100

Site Details

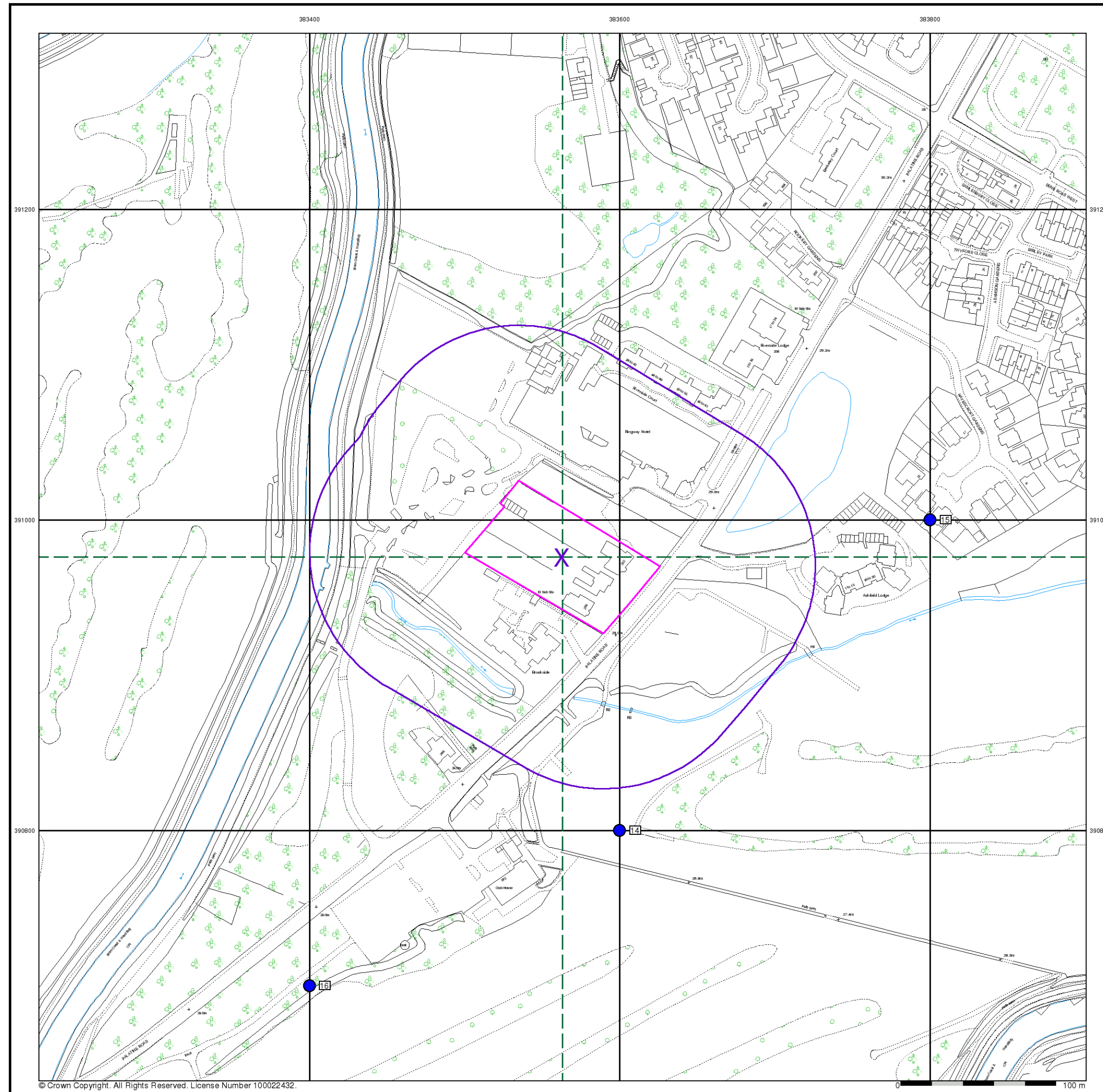
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- ### General

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

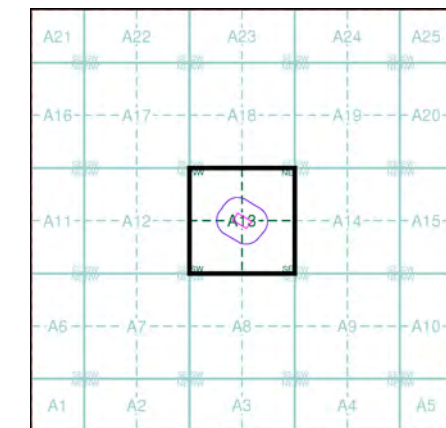
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 -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

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

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

 - BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13

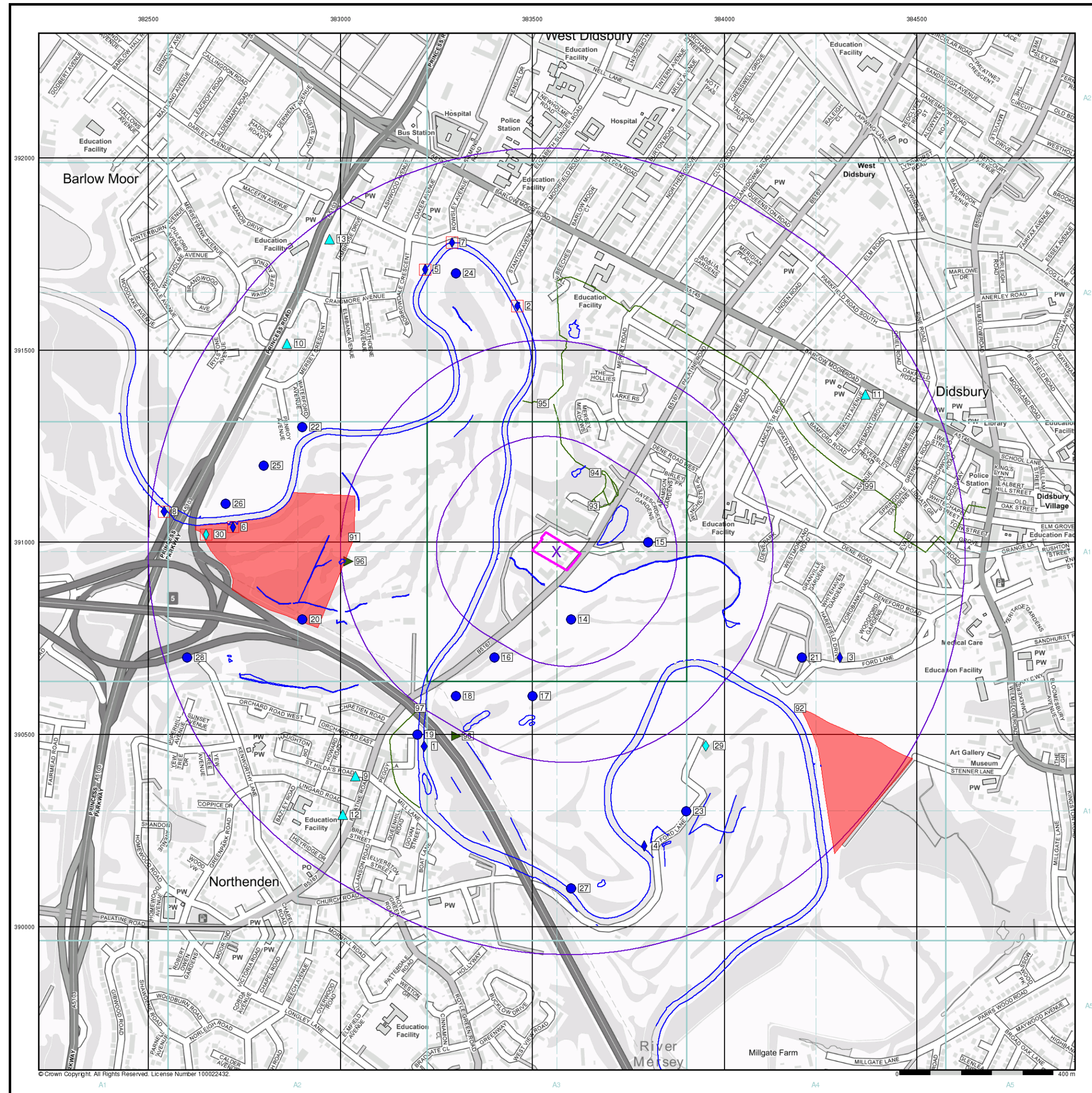


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Plot Buffer (m): 100

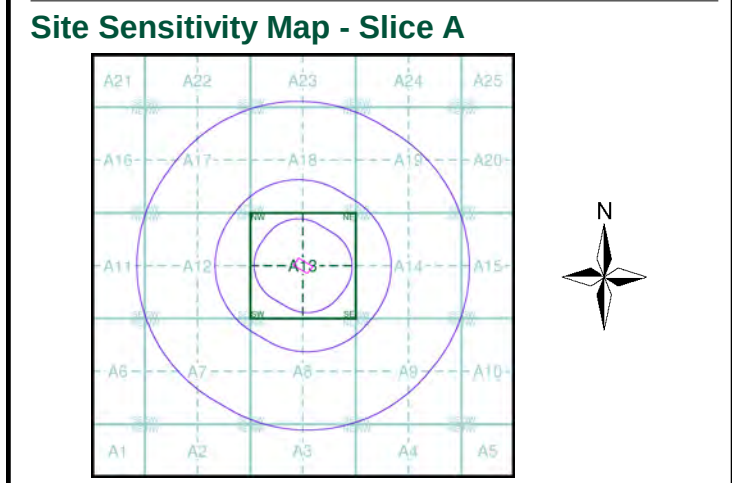
Site Details

234, Palatine Road, Manchester, M20 2WF



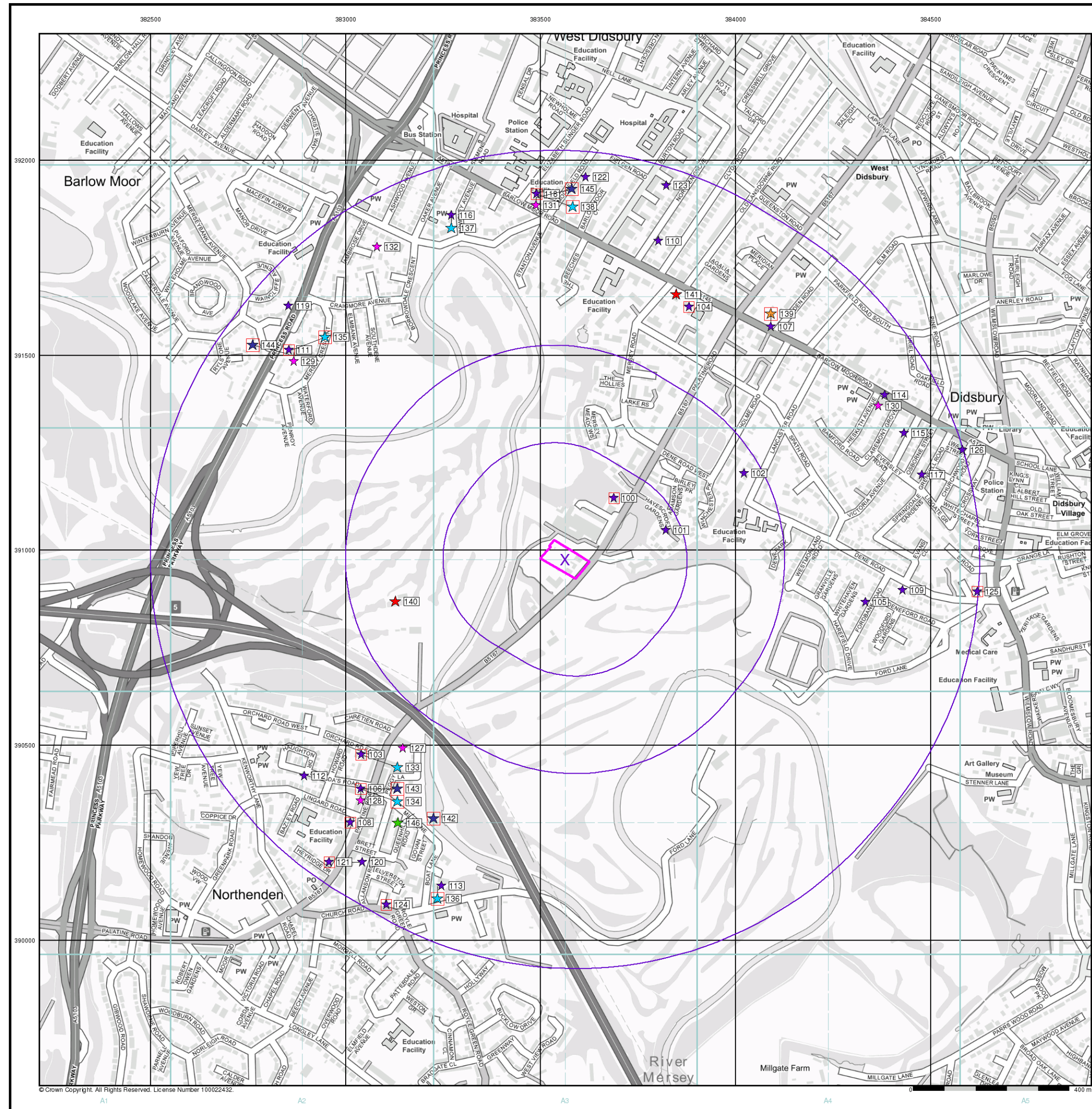
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- General**
 - Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
 - Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
 - BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
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 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Registered Landfill Site (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
 - COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Geological**
 - BGS Recorded Mineral Site



Order Details
Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details
234, Palatine Road, Manchester, M20 2WF



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Industrial Land Use Map

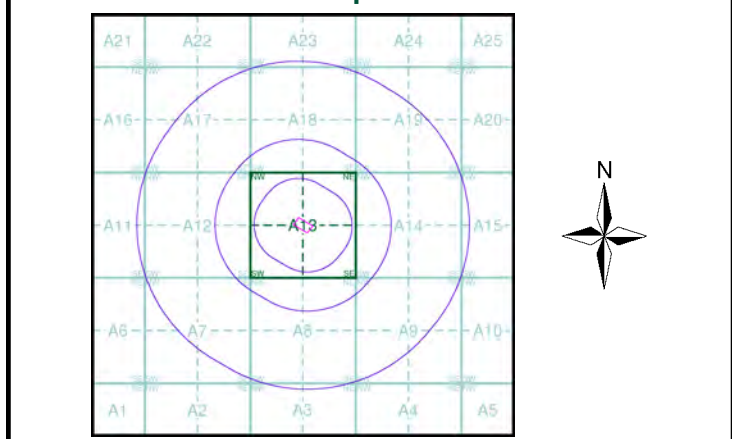
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

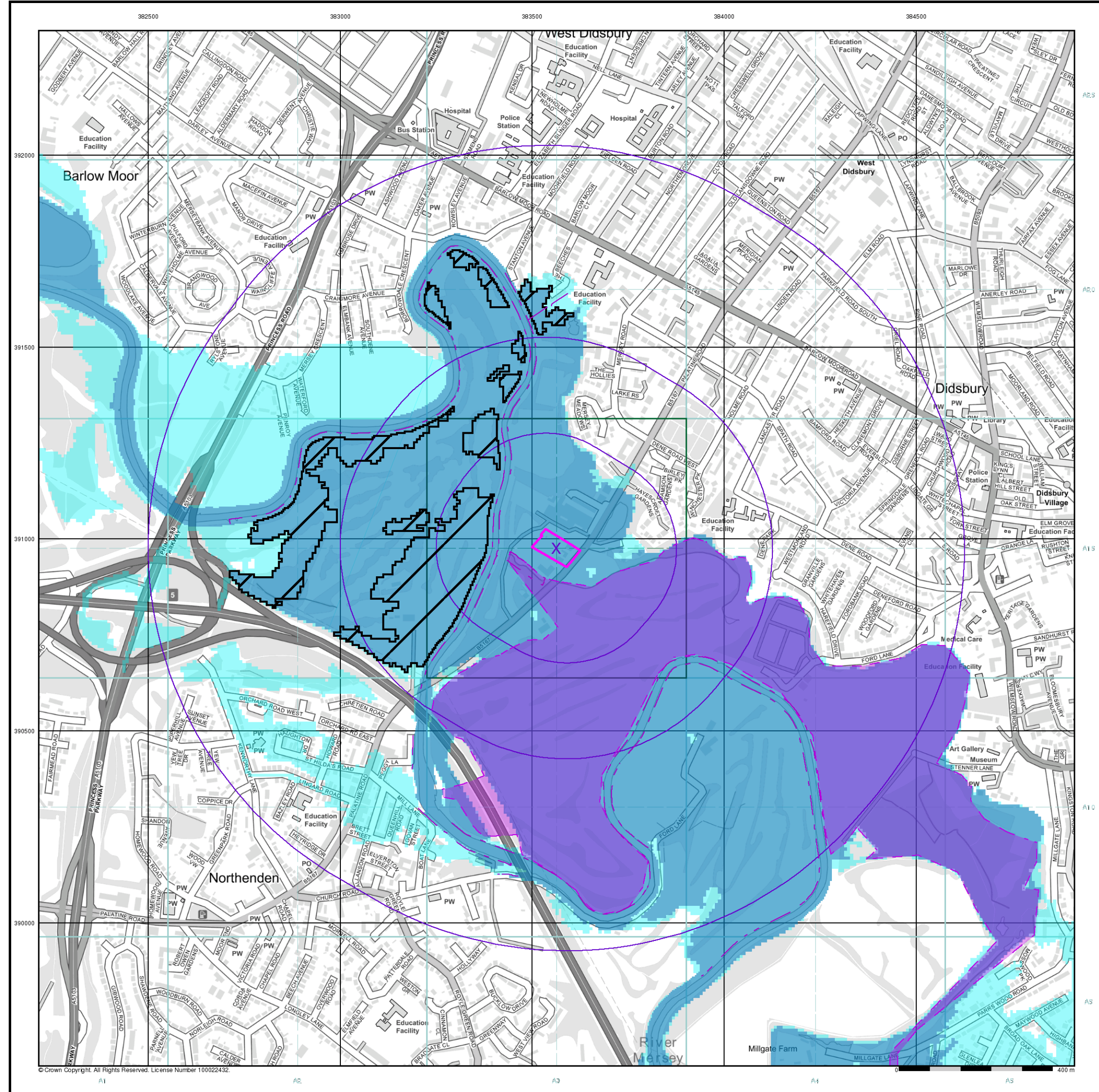
Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

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General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

Order Details

Order Number:	355249321_1_1
Customer Ref:	10/2500
National Grid Reference:	383560, 390980
Slice:	A
Site Area (Ha):	0.6
Search Buffer (m):	1000

Site Details

234, Palatine Road, Manchester, M20 2WF

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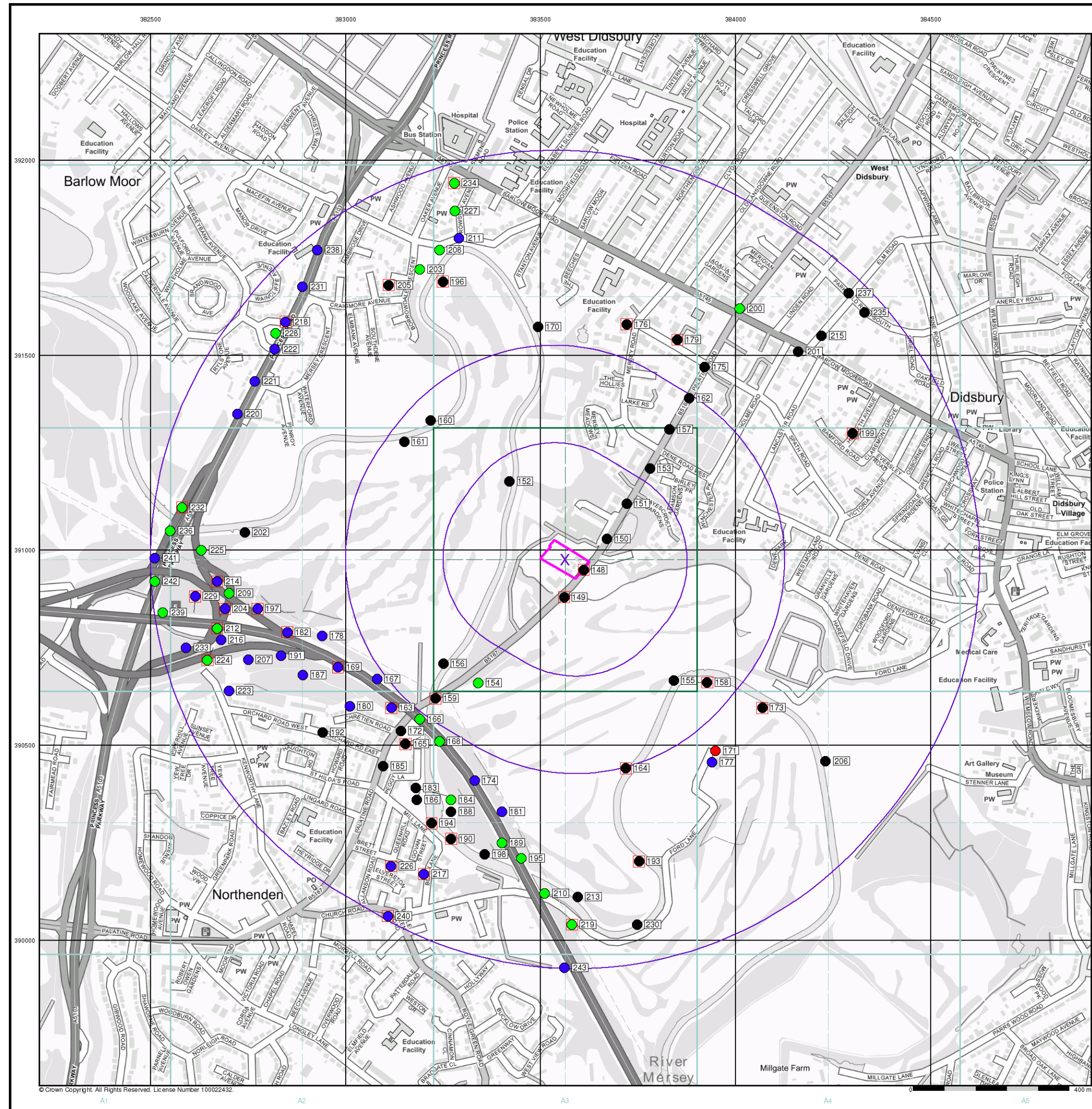
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General

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

Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A

Order Details

Order Number:	355249321_1_1
Customer Ref:	10/2500
National Grid Reference:	383560, 390980
Slice:	A
Site Area (Ha):	0.6
Search Buffer (m):	1000

Site Details

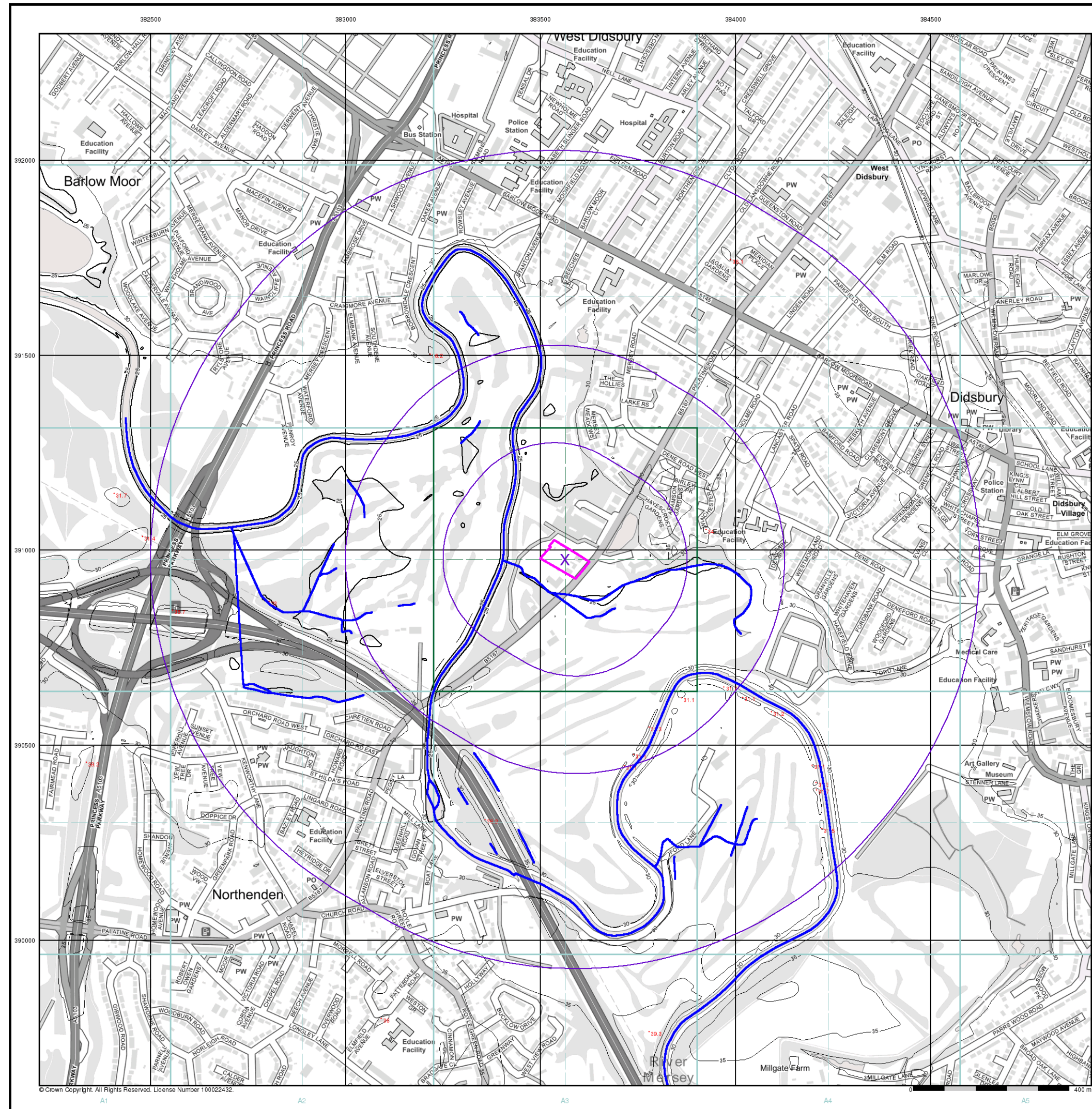
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General

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

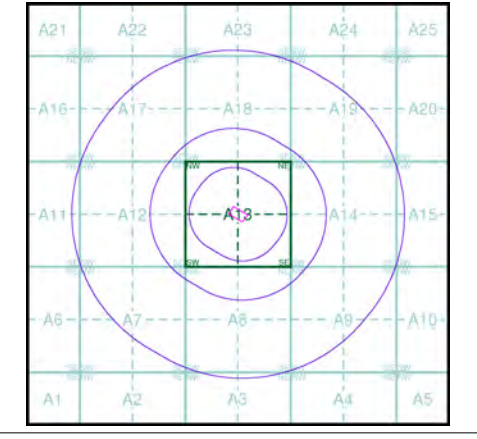
OS Water Network Data

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

Contours (height in meters)

- Standard Contour: 105, 100, 95
- Master Contour: 105, 100, 95
- Spot Height: 167.3
- MLW: Mean Low Water
- MHW: Mean High Water

OS Water Network Map - Slice A



Order Details

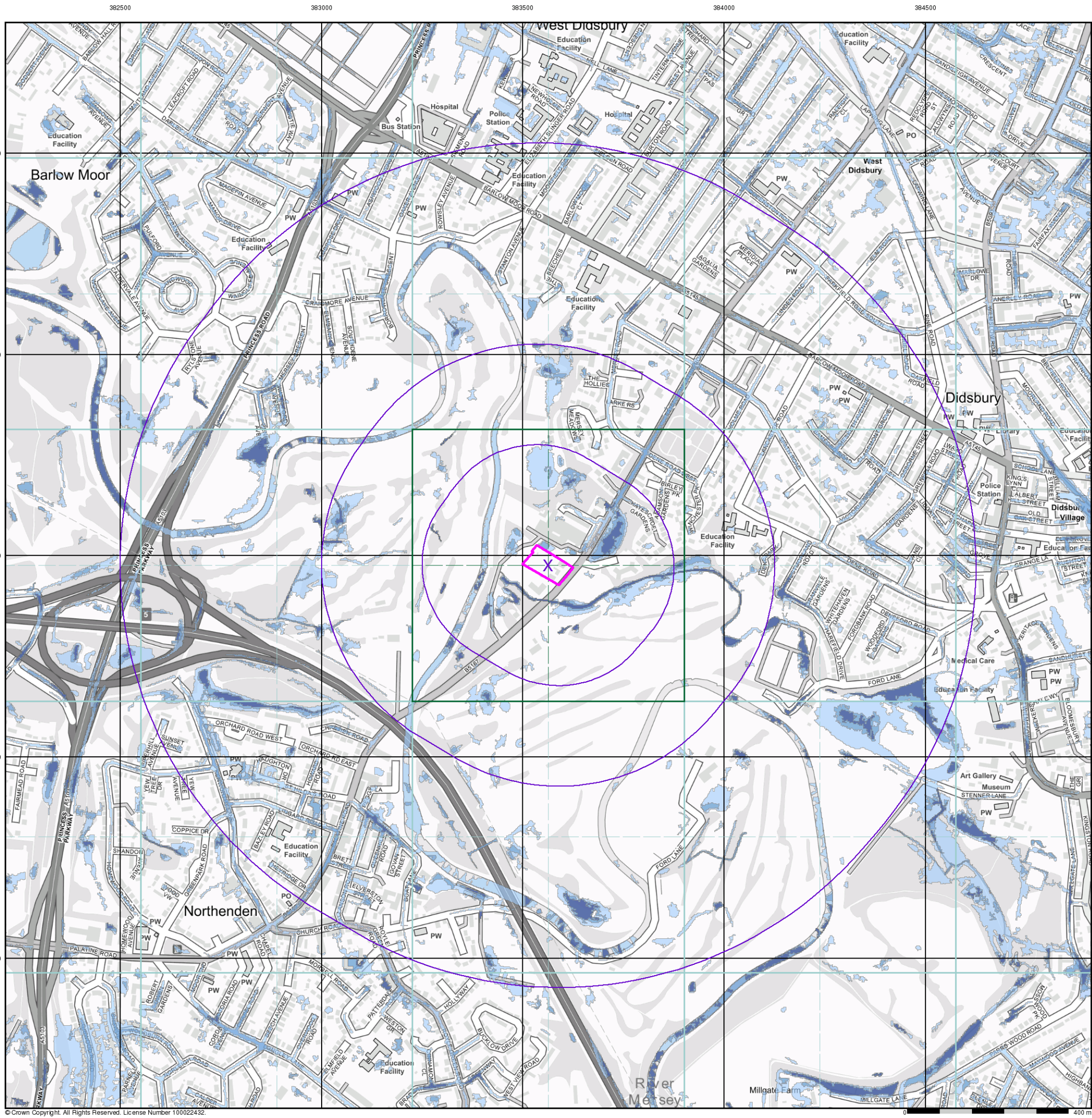
Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

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General

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

Risk of Flooding from Surface Water

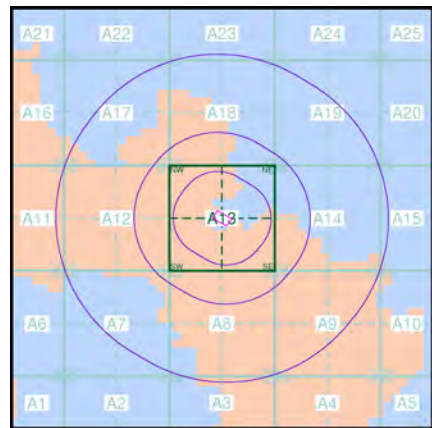
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A

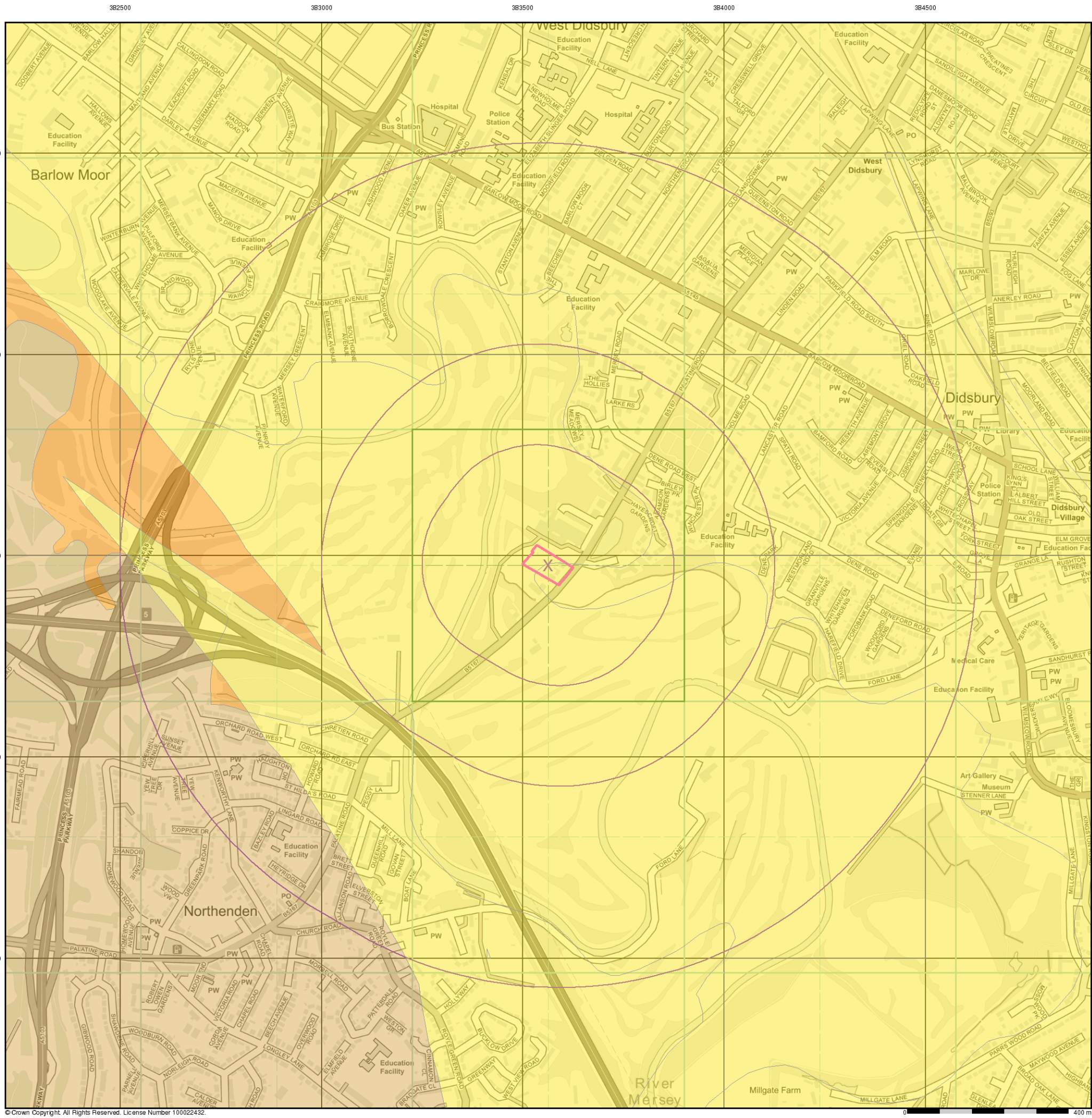


Order Details

Order Number: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

234, Palatine Road, Manchester, M20 2WF

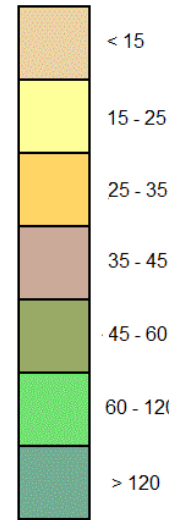


General

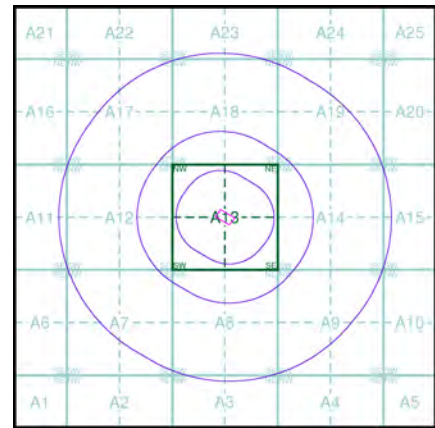
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

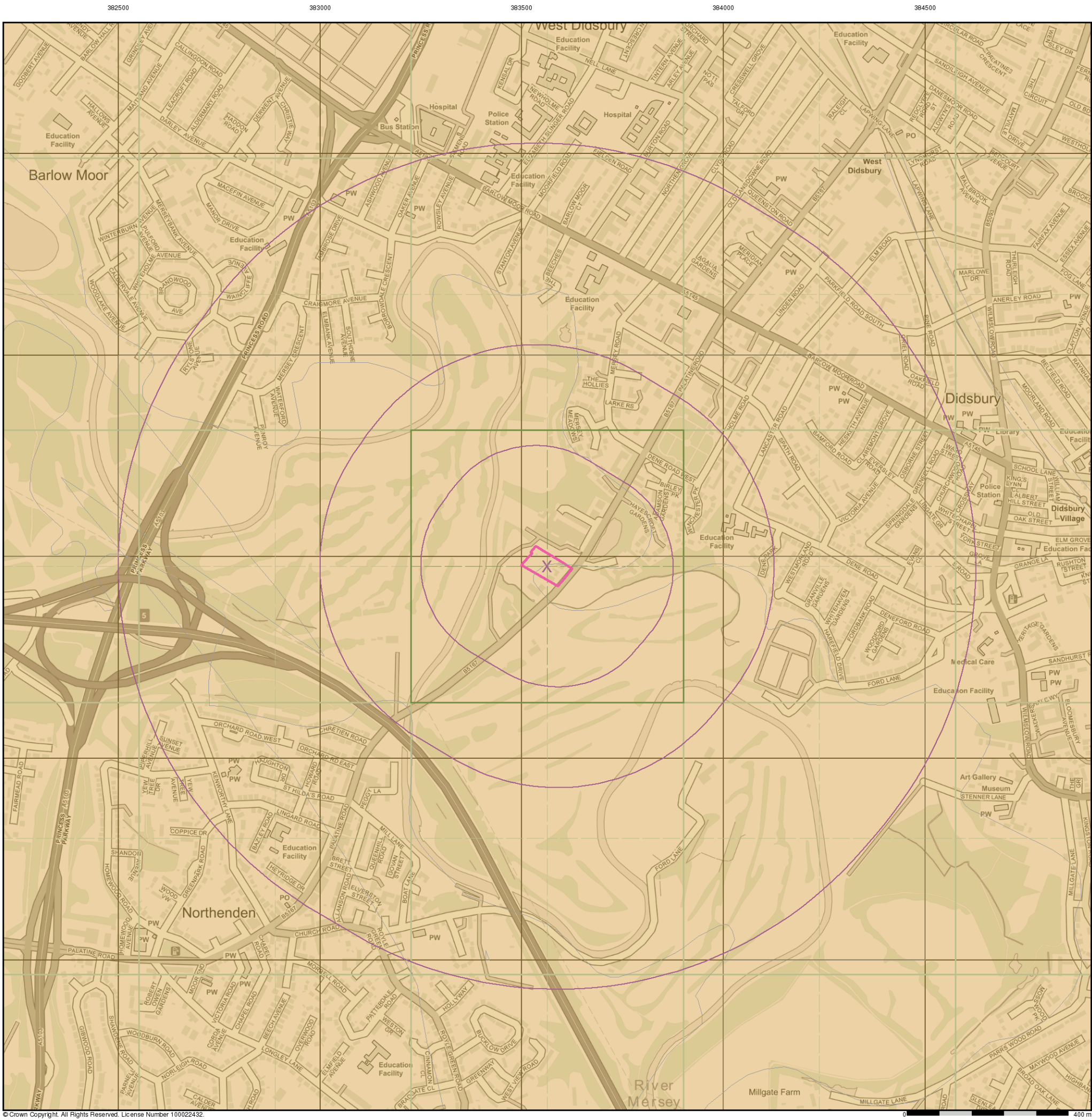


Order Details

Order Details: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

234, Palatine Road, Manchester, M20 2WF

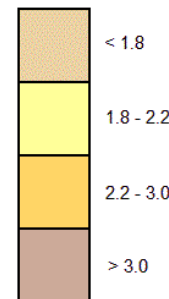


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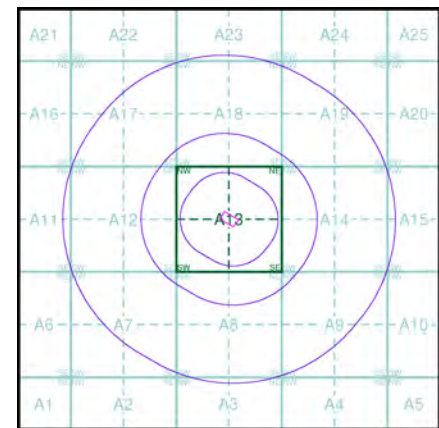
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

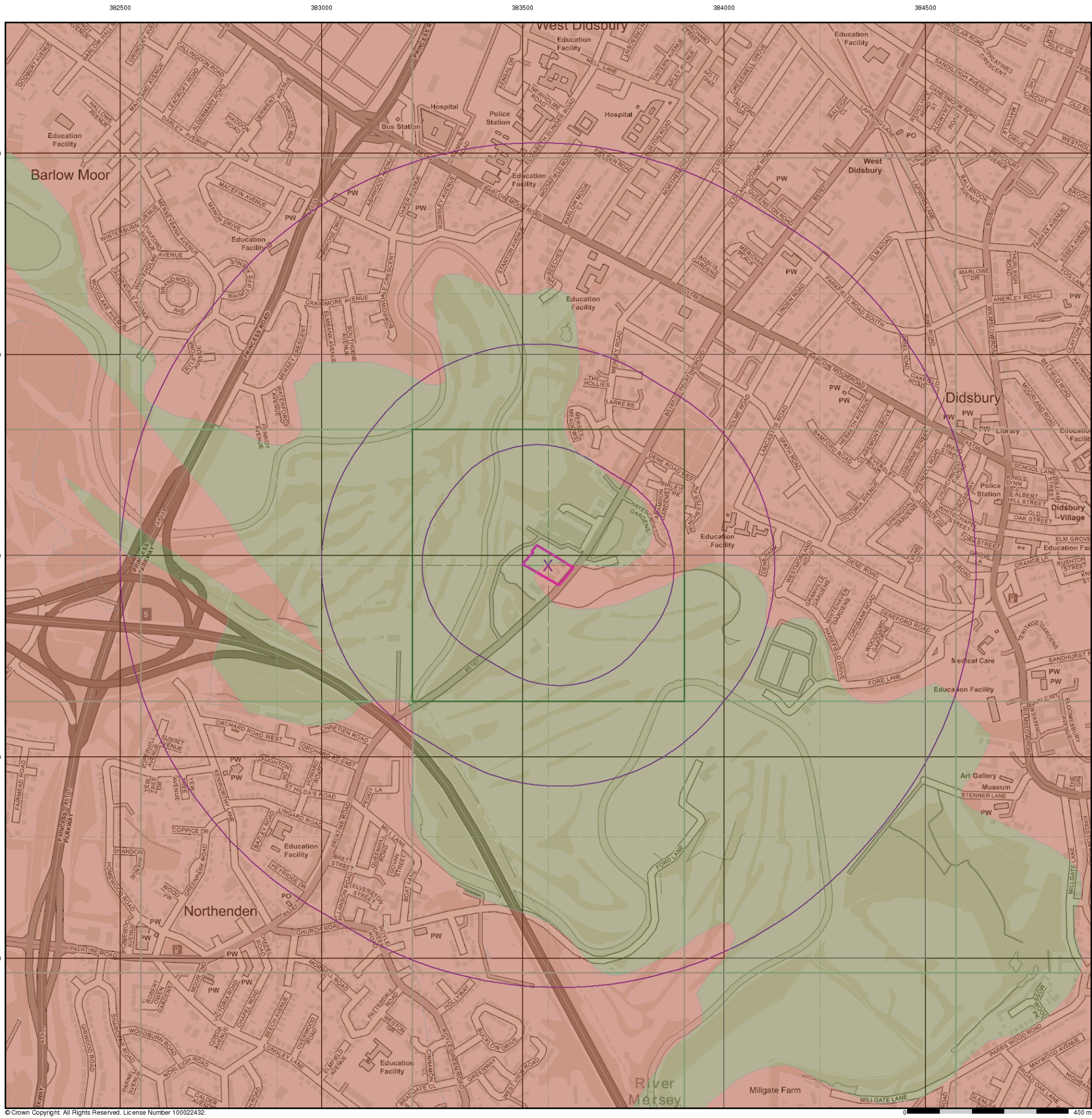


Order Details

Order Details: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

234, Palatine Road, Manchester, M20 2WF

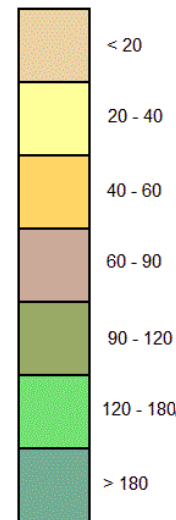


General

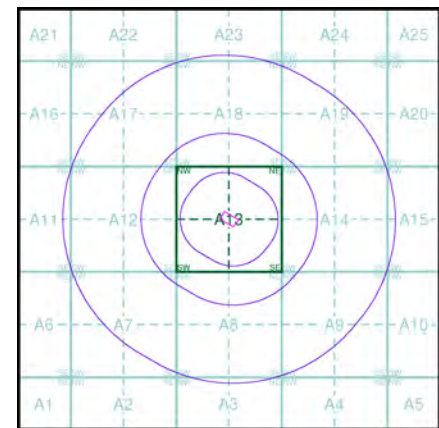
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

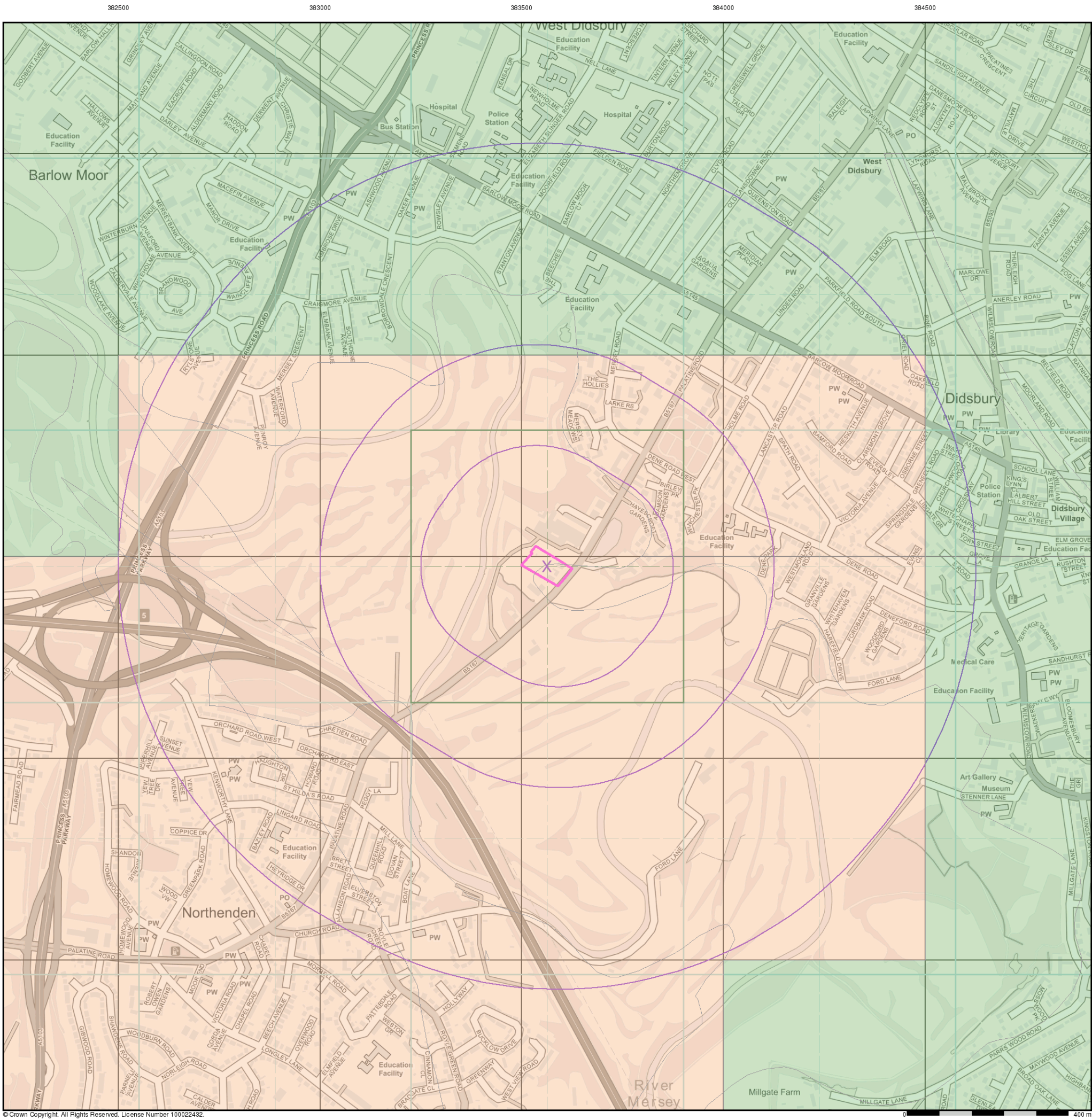


Order Details

Order Details: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

234, Palatine Road, Manchester, M20 2WF

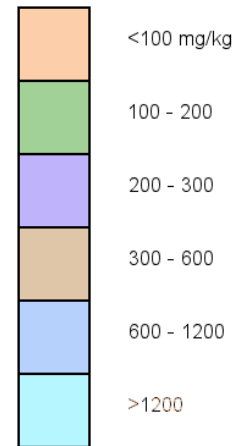


General

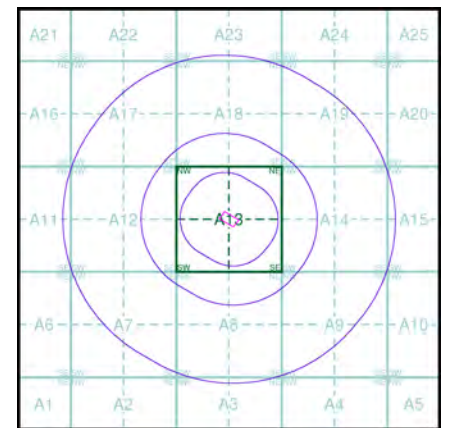
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

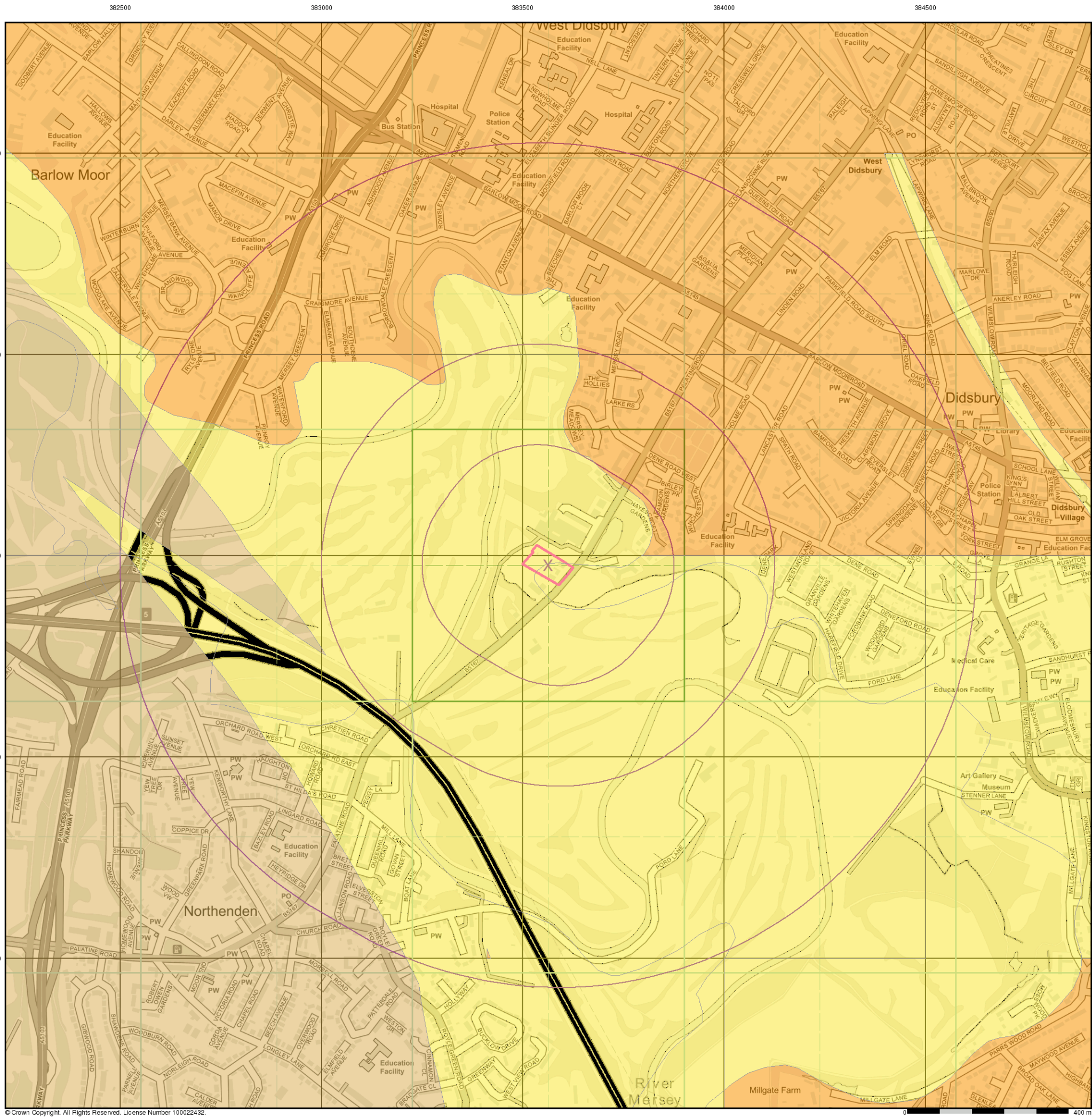


Order Details

Order Details: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

234, Palatine Road, Manchester, M20 2WF

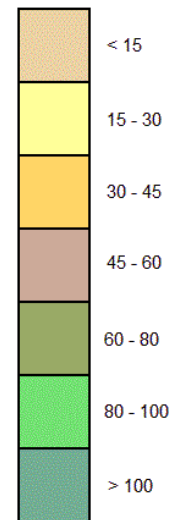


General

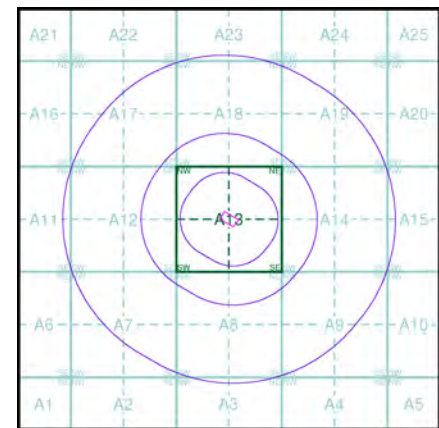
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 355249321_1_1
Customer Ref: 10/2500
National Grid Reference: 383560, 390980
Slice: A
Site Area (Ha): 0.6
Search Buffer (m): 1000

Site Details

234, Palatine Road, Manchester, M20 2WF

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

355249321_1_1

Customer Reference:

10/2500

National Grid Reference:

383560, 390980

Slice:

A

Site Area (Ha):

0.6

Search Buffer (m):

1000

Site Details:

234

Palatine Road

Manchester

M20 2WF

Client Details:

Mr N Riding

Clancy Consulting Ltd

Dunham Court

2 Dunham Road

Altrincham

Cheshire

WA14 4NX

Report Section	Page Number
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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 2				23
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 7				5
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8		Yes		
Pollution Incidents to Controlled Waters	pg 8		2	3	10
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 11		1		1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 11				3 (*3)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 12	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 13	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 13	Yes		n/a	n/a
Areas Benefiting from Flood Defences	pg 13		Yes	n/a	n/a
Flood Water Storage Areas	pg 13		Yes	n/a	n/a
Flood Defences	pg 13		Yes	n/a	n/a
OS Water Network Lines	pg 13		10	6	44

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 21			1	1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 21	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 21		2	2	3
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 22	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 22	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 24	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 24	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 26		4	1	52
Fuel Station Entries	pg 30				6
Points of Interest - Commercial Services	pg 31				10
Points of Interest - Education and Health	pg 32				2
Points of Interest - Manufacturing and Production	pg 32			1	1
Points of Interest - Public Infrastructure	pg 32				17
Points of Interest - Recreational and Environmental	pg 34				1
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	pg 35		1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (NW)	0	1	383563 390976
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	1	1	383500 390976
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	55	1	383450 391000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	81	1	383650 391050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	128	1	383400 390900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	234	1	383350 390800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	251	1	383250 391000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	305	1	383300 390750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	348	1	383800 390650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	374	1	383350 391350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	396	1	383250 391300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	414	1	383250 390650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	422	1	383950 390700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	434	1	383200 391300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	448	1	383150 390700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	457	1	383750 390500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	472	1	383300 390550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	481	1	383150 390650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Balvac Limited Property Type: GROUNDWATER REMEDIATION SITES/CIVIL ENGINEERING Location: M60 Palatine Road Balvac Site Compound, Access Via Withington Golf Club, Palatine Road, Manchester, M20 2ue Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprnb3990we Permit Version: 1 Effective Date: 27th February 2020 Issued Date: 27th February 2020 Revocation Date: 30th October 2023 Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	584	2	383217 390469
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barlow Moor Rd/Palatine Rd Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0236 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 30th March 2007 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18SW (N)	595	2	383460 391615
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Burton Road Withington Cso 28056 Burton Road/Lapwing Lane, ., ., Manchester, M20 1lh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0237 Permit Version: 5 Effective Date: 20th August 2018 Issued Date: 20th August 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	600	2	383460 391620
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Burton Road Withington Cso 28056 Burton Road/Lapwing Lane, ., ., Manchester, M20 1lh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0237 Permit Version: 3 Effective Date: 25th March 2010 Issued Date: 25th March 2010 Revocation Date: 31st March 2012 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	600	2	383460 391620

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: Burton Road Withington Cso 28056 Burton Road/Lapwing Lane, ., ., Manchester, M20 1lh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0237 Permit Version: 4 Effective Date: 1st April 2012 Issued Date: 25th March 2010 Revocation Date: 19th August 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	600	2	383460 391620
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barlow Moor Rd/Palatine Rd Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0236 Permit Version: 3 Effective Date: 15th October 2008 Issued Date: 15th October 2008 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	600	2	383460 391620
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barlow Moor Rd/Palatine Rd Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0236 Permit Version: 2 Effective Date: 31st March 2007 Issued Date: 16th February 2005 Revocation Date: 14th October 2008 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	600	2	383460 391620
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Burton Road Withington Cso 28056 Burton Road/Lapwing Lane, ., ., Manchester, M20 1lh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0237 Permit Version: 2 Effective Date: 31st March 2007 Issued Date: 16th February 2005 Revocation Date: 24th March 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18SW (N)	600	2	383460 391620

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: Burton Road Withington Cso 28056 Burton Road/Lapwing Lane, ., ., Manchester, M20 1lh Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0237 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 30th March 2007 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	600	2	383460 391620
3	Discharge Consents Operator: Manchester & Salford Playing Fields Assoc. Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Didsbury Sport Ground, Ford Lane, Didsbury, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016992518 Permit Version: 1 Effective Date: 9th November 1992 Issued Date: Not Supplied Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Mersey Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A14SE (E)	727	2	384300 390700
4	Discharge Consents Operator: Didsbury Golf Club Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Didsbury Golf Club, Ford Lane, Northenden, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016992561 Permit Version: 1 Effective Date: 28th April 1993 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A8SE (S)	745	2	383790 390210
5	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barlow Moor Road Rowsley Avenue Cso 281c9, ., Didsbury, Greater Manchester, M20 2xf Authority: Environment Agency, North West Region Catchment Area: River Mersey (Etherow) Reference: 01man0244 Permit Version: 5 Effective Date: 20th August 2018 Issued Date: 20th August 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	754	2	383220 391710

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barlow Moor Road Rowsley Avenue Cso 281c9, ., Didsbury, Greater Manchester, M20 2xf Authority: Environment Agency, North West Region Catchment Area: River Mersey (Etherow) Reference: 01man0244 Permit Version: 3 Effective Date: 25th March 2010 Issued Date: 25th March 2010 Revocation Date: 30th September 2011 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	754	2	383220 391710
5	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barlow Moor Road Rowsley Avenue Cso 281c9, ., Didsbury, Greater Manchester, M20 2xf Authority: Environment Agency, North West Region Catchment Area: River Mersey (Etherow) Reference: 01man0244 Permit Version: 4 Effective Date: 1st October 2011 Issued Date: 25th March 2010 Revocation Date: 19th August 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	754	2	383220 391710
6	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Kenworthy Lane Ps, Princes Parkway, Greater Manchester, M22 Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0224 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge: Unknown Environment: Receiving Water: Emergency Overflow; Outlet To Watercourse; Licence Status: Revoked Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12NW (W)	783	2	382720 391040
6	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Kenworthy Lane Ps, Princes Parkway, Greater Manchester, M22 Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0224 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 3rd October 1995 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A12NW (W)	783	2	382720 391040

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: Barlow Moor Road Rowsley Avenue Cso 281c9, ., Didsbury, Greater Manchester, M20 2xf Authority: Environment Agency, North West Region Catchment Area: River Mersey (Etherow) Reference: 01man0244 Permit Version: 2 Effective Date: 31st March 2007 Issued Date: 16th February 2005 Revocation Date: 24th March 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	383290 391780
7	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Barlow Moor Road Rowsley Avenue Cso 281c9, ., Didsbury, Greater Manchester, M20 2xf Authority: Environment Agency, North West Region Catchment Area: River Mersey (Etherow) Reference: 01MAN0244 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 30th March 2007 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18NW (N)	794	2	383290 391780
8	Discharge Consents Operator: North West Water Ltd Property Type: Not Given Location: Kenworthy Lane Combined So/Eo, Princess Parkway, MANCHESTER, Lancashire Authority: Environment Agency, North West Region Catchment Area: Mersey Reference: MAN0385 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 1st April 1996 Revocation Date: Not Supplied Discharge Type: Storm Sewage Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NE (W)	965	2	382540 391075
8	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Princes Prkway/M60 Cso 28051, Northenden, ., Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016942049 Permit Version: 4 Effective Date: 20th August 2018 Issued Date: 20th August 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A11NE (W)	966	2	382540 391080

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: Princes Prkwy/M60 Cso 28051, Northenden, ., Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016942049 Permit Version: 3 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: 19th August 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A11NE (W)	966	2	382540 391080
8	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Kenworthy Lane Ps, Princes Parkway, Greater Manchester, M22 Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982983 Permit Version: 1 Effective Date: 25th September 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A11NE (W)	966	2	382540 391080
8	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Kenworthy Lane Ps, Princes Parkway, Greater Manchester, M22 Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982983 Permit Version: 1 Effective Date: 25th September 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A11NE (W)	966	2	382540 391080
9	Local Authority Pollution Prevention and Controls Name: Tcs - St Hildas Location: 304-308 Palatine Road, Northenden, MANCHESTER, Lancashire, M22 4FW Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/045/06 Dated: 12th January 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A7NE (SW)	751	3	383039 390388
10	Local Authority Pollution Prevention and Controls Name: Texaco Mersey Lights Service Station Location: 849 Princess Road, West Didsbury, MANCHESTER, Lancashire, M20 8ZF Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/30/98 & 62/99 Dated: 7th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	832	3	382860 391513

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Local Authority Pollution Prevention and Controls Name: Didsbury Service Station Location: Barlow Moor Road, Didsbury, MANCHESTER, Lancashire, M20 8GN Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/47/98-02 Dated: 11th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A19SE (NE)	847	3	384366 391381
12	Local Authority Pollution Prevention and Controls Name: Northenden Dry Cleaners Location: 328 Palantine Road, Northenden, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/25/08 Dated: 29th February 2008 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	851	3	383005 390287
13	Local Authority Pollution Prevention and Controls Name: Parkway Service Station Location: Princess Parkway, West Didsbury, MANCHESTER, Lancashire, M20 1HD Authority: Manchester City Council, Environmental Health Department Permit Reference: Pfs/61/98 Dated: 12th January 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	947	3	382971 391785
	Nearest Surface Water Feature	A13SE (S)	44	-	383571 390886
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Tributary Mersey; Unknown Incident Date: 29th March 1995 Incident Reference: 95510643 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	128	2	383600 390800
15	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Incident Date: 16th May 1994 Incident Reference: 94511000 Catchment Area: Mersey - Non-Tidal 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)	177	2	383800 391000
16	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Combined Sewer Overflow Location: River Mersey Authority: Environment Agency, North West Region Pollutant: Sewage Debris/Litter Note: Sewage Litter Incident Date: 2nd February 1998 Incident Reference: SO980222 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: CSO Normal Operation Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	292	2	383400 390700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Ochre Note: Fielden Park Bk Incident Date: 21st January 1992 Incident Reference: 92510109 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	339	2	383500 390600
18	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 Mersey; Ochre Incident Date: 24th June 1995 Incident Reference: 95511549 Catchment Area: Mersey - Non-Tidal 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	A8NW (SW)	429	2	383300 390600
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: River Mersey; Unleaded Petrol Incident Date: 3rd October 1995 Incident Reference: 95512453 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	566	2	383200 390500
20	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: 21st November 1994 Incident Reference: 94512545 Catchment Area: Mersey - Non-Tidal Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	627	2	382900 390800
21	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: River Mersey Incident Date: 21st May 1995 Incident Reference: 95511169 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	635	2	384200 390700
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: WEST DIDSBURY, Merseyside Authority: Environment Agency, North West Region Pollutant: Oils - Other Oil Note: Engine Oil/Petrol Incident Date: 17th August 1997 Incident Reference: 97511498 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	681	2	382900 391300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	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 Mersey; Ochre Incident Date: 25th April 1995 Incident Reference: 95510919 Catchment Area: Mersey - Non-Tidal 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	A8SE (SE)	700	2	383900 390300
24	Pollution Incidents to Controlled Waters Property Type: Natural Sources Location: River Mersey, Darley Avenue, WEST DIDSBUY, Greater Manchester Authority: Environment Agency, North West Region Pollutant: General Biodegradable : Natural Organic Material Note: Not Supplied Incident Date: 17th July 1999 Incident Reference: 30248 Catchment Area: River Mersey (Etherow) Receiving Water: River Stretch (Freshwater) Cause of Incident: Unauthorised Activity : Flytipping: MOU Response D Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A18NW (N)	715	2	383300 391700
25	Pollution Incidents to Controlled Waters Property Type: Road Location: M60 Motorway, Near Princess Parkway, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Lorry On Fire Incident Date: 12th May 1998 Incident Reference: SO980829 Catchment Area: Mersey - Non-Tidal 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	A12NW (W)	735	2	382800 391200
26	Pollution Incidents to Controlled Waters Property Type: Road Location: River Mersey, Princess Parkway Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 14th May 1998 Incident Reference: SO980860 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	810	2	382700 391100
27	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Other Location: River Mersey, Didsbury Golf Club, DIDSBUY Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Other Suspended Solids Note: Not Supplied Incident Date: 27th January 1998 Incident Reference: SO980270 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	827	2	383600 390100
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Mersey; None Pollution Found Incident Date: 1st February 1995 Incident Reference: 95510157 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	943	2	382600 390700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Mersey GQA Grade: River Quality D Reach: Stockport Stw To Princess Parkway Estimated Distance (km): 8.9 Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A13NW (W)	100	2	383414 391029
	River Quality Name: Mersey GQA Grade: River Quality D Reach: Princess Parkway To Carrington Estimated Distance (km): 17.6 Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A12NW (W)	918	2	382584 391040
29	Water Abstractions Operator: Didsbury Golf Club Ltd Licence Number: 2569015006 Permit Version: 100 Location: Borehole At Didsbury Golf Club Northenden Wythenshawe Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 68 Yearly Rate (m3): 9092 Details: Didsbury Golf Course, Northenden 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	A9NW (SE)	583	2	383950 390470
30	Water Abstractions Operator: Amec / Alfred Mcalpine Jv Licence Number: 2569015016 Permit Version: 1 Location: River Mersey At Trafford, Manchester Authority: Environment Agency, North West Region Abstraction: Construction: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: M60 Corridor Between Junctions 5 To 8 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	852	2	382650 391020
30	Water Abstractions Operator: Amec / Alfred Mcalpine Jv Licence Number: 2569015016 Permit Version: 1 Location: River Mersey At Trafford, Manchester Authority: Environment Agency, North West Region Abstraction: Construction: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: M60 Corridor Between Junctions 5 To 8 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NW (W)	852	2	382650 391020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Chorlton Cum Hardy Golf Co Ltd Licence Number: 2569015015 Permit Version: 101 Location: Borehole At Chorlton-Cum-Hardy Golf Club Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Chorlton-Cum-Hardy Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1691	2	382230 392100
	Water Abstractions Operator: The Secretary Licence Number: 2569015015 Permit Version: 100 Location: Borehole At Chorlton-Cum-Hardy Golf Club Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 70 Yearly Rate (m3): 8500 Details: Land At Chorlton-Cum-Hardy Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 4th September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1691	2	382230 392100
	Water Abstractions Operator: Norwest Co-Op Society Ltd. Licence Number: 2569015001 Permit Version: Not Supplied Location: Borehole, Wythenshawe, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 318 Yearly Rate (m3): 115923 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	(S)	1837	2	383400 389100
	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: Intergranular Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A13NW (N)	0	4	383563 391000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A13SW (NW)	0	4	383563 390976
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SW (NW)	0	4	383563 390976
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (NW)	0	4	383563 390976
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (NW)	0	2	383563 390976
	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	A13SW (NW)	0	2	383563 390976
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NW (W)	117	2	383384 390984
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NW (NW)	196	2	383416 391180
	Flood Water Storage Areas Type: Flood Water Storage Areas Reference: Not Supplied	A13SW (SW)	41	2	383509 390915
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (SW)	43	2	383515 390912
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (S)	64	2	383531 390888
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (W)	88	2	383413 390971
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (W)	104	2	383397 390981
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (NW)	168	2	383442 391165
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (S)	45	5	383588 390882

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (S)	45	5	383554 390887
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 598.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (S)	46	5	383591 390882
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	53	5	383501 390912
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (S)	62	5	383532 390889
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (W)	63	5	383441 390959
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2130.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A13NW (W)	96	5	383405 390992
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 610.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A13SW (W)	97	5	383403 390973
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (S)	106	5	383619 390826
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	120	5	383674 390842

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12SE (W)	343	5	383177 390863
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	346	5	383296 391274
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2422.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A13SE (SE)	374	5	383858 390667
44	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 33.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (E)	403	5	383997 390814
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12SE (W)	455	5	383068 390841
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12NE (W)	465	5	383048 391084
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12SE (W)	513	5	383013 390819
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	518	5	383330 390479
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	522	5	383016 390788

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12SE (W)	525	5	382977 390953
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	531	5	382970 391016
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	533	5	382991 390821
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	533	5	382991 390821
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A12SE (W)	538	5	382964 390945
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18SW (N)	562	5	383340 391552
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	571	5	382932 390932
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	573	5	382930 390928
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	575	5	383046 390629

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	592	5	382915 390895
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	618	5	383289 390387
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	624	5	382892 390844
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	627	5	382889 390843
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 2	A7NE (SW)	635	5	383215 390411
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A7NE (SW)	635	5	383215 390411
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	661	5	383443 390283
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	691	5	383963 390347
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 276.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A8NW (SW)	697	5	383226 390333

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	708	5	383825 390260
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	708	5	383825 390260
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	715	5	383371 390247
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 171.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	724	5	382783 390883
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 100.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	733	5	384030 390342
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	738	5	383854 390238
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	752	5	383943 390264
75	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	757	5	383844 390214
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	760	5	383842 390210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 509.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A8SE (S)	768	5	383793 390187
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	770	5	384048 390309
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 86.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	771	5	384044 390305
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A8SW (S)	771	5	383436 390171
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	771	5	383843 390199
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	773	5	382809 390633
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A7NW (SW)	773	5	382809 390633
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	775	5	383843 390195
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 382.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	782	5	382721 390921

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	790	5	382713 391040
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	792	5	382712 391046
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 30.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	795	5	383999 390246
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 450.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A12NW (W)	798	5	382707 391059
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	828	5	382738 390658

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	Historical Landfill Sites Licence Holder: Manchester City Council Location: Princess Parkway, Greater Manchester Name: Former Northenden Sewage Works Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16786 First Input Date: 31st December 1950 Last Input Date: 31st December 1965 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: 4200/9692 BGS Ref: Not Supplied Other Ref: F052	A12NE (W)	465	2	383037 391013
92	Historical Landfill Sites Licence Holder: Manchester City Council Location: Manchester, Greater Manchester Name: Parrs Wood Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16807 First Input Date: 31st December 1947 Last Input Date: 31st August 1976 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial, Household and Special Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9661 BGS Ref: Not Supplied Other Ref: F014	A9NW (SE)	699	2	384197 390569
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	6	383563 390976
93	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13NE (NE)	123	-	383660 391094
94	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (NE)	199	-	383663 391180
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SW (N)	336	-	383527 391360
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A12SE (W)	485	-	383016 390951
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A7NE (SW)	505	-	383207 390569
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (SW)	520	-	383297 390497
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NE (E)	772	-	384377 391146

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13SW (NW)	0	1	383563 390976
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (NW)	0	1	383563 390976
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	0	1	383562 390980
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (E)	172	1	383795 391000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SW)	452	1	383208 390635
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18SW (NW)	466	1	383304 391430
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (N)	475	1	383563 391500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18SE (N)	486	1	383638 391500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A12SE (W)	540	1	383011 390752
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SW (W)	745	1	382767 390848
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A7NE (SW)	767	1	382931 390466
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A7NW (SW)	776	1	382817 390612
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	875	1	384500 390976

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8SW (S)	921	1	383411 390024
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	924	1	384500 390674
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A11NE (W)	975	1	382526 391000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A11NE (W)	986	1	382515 391003
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	383562 390980
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	383562 390980
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	383562 390980
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	383562 390980
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	383563 390976

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	Contemporary Trade Directory Entries Name: Auto Tyre Centre Location: Palatine Road, Manchester, M20 2UH Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	173	-	383688 391134
100	Contemporary Trade Directory Entries Name: Riverside Car Centre Location: Palatine Road, Manchester, M20 2UH Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	173	-	383688 391134
100	Contemporary Trade Directory Entries Name: T R S Location: Palatine Road, Manchester, M20 2UH Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	173	-	383688 391134
101	Contemporary Trade Directory Entries Name: Northenden Textiles Location: Wrengate House, 221, Palatine Road, Manchester, M20 2EE Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	211	-	383821 391051
102	Contemporary Trade Directory Entries Name: Law Mining Ltd Location: Flat 1, 20, Lancaster Road, Manchester, Lancashire, M20 2QU Classification: Coal Mining Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	457	-	384022 391197
103	Contemporary Trade Directory Entries Name: Halfords Autocentre Manchester (Northenden) Location: 271, Palatine Road, Manchester, M22 4ET Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	650	-	383132 390444
103	Contemporary Trade Directory Entries Name: Currys Location: 269, Palatine Road, Manchester, M22 4ET Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	653	-	383121 390448
104	Contemporary Trade Directory Entries Name: Absolute Gas Services Location: 1 Woodsend Barlow Moor Road, Manchester, Greater Manchester, M20 2PW Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (NE)	691	-	383880 391624
104	Contemporary Trade Directory Entries Name: Pure Decon Location: 137, BARLOW MOOR ROAD, MANCHESTER, M20 2PW Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	694	-	383848 391644
105	Contemporary Trade Directory Entries Name: Cleaners Didsbury Location: 14, Fordbank Road, Manchester, M20 2TH Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	715	-	384333 390867
106	Contemporary Trade Directory Entries Name: Esso Location: 304-308, Palatine Road, Manchester, M22 4FW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	751	-	383039 390388
106	Contemporary Trade Directory Entries Name: St Hilda'S Garage Location: 304-308, Palatine Road, Manchester, M22 4FW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	751	-	383039 390388

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
106	Contemporary Trade Directory Entries Name: Esso Location: 304-308, Palatine Road, Manchester, M22 4FW Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	752	-	383038 390387
107	Contemporary Trade Directory Entries Name: Douglas House Location: 54, Barlow Moor Road, Manchester, M20 2TR Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	788	-	384091 391606
108	Contemporary Trade Directory Entries Name: Castle Comfort Stairlifts Ltd Location: 318A, PALATINE ROAD, MANCHESTER, M22 4FW Classification: Stairlifts - Manufacturers & Installers Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	804	-	383026 390331
108	Contemporary Trade Directory Entries Name: Rah Advertising Ltd Location: 320 Palatine Rd, Manchester, Lancashire, M22 4HF Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	835	-	383012 390302
108	Contemporary Trade Directory Entries Name: Argosy Design & Print Ltd Location: A, 320, Palatine Road, Manchester, Lancashire, M22 4HF Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	835	-	383012 390302
108	Contemporary Trade Directory Entries Name: Quidids In Discount Location: 322-326, Palatine Road, MANCHESTER, M22 4HE Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	849	-	383000 390294
108	Contemporary Trade Directory Entries Name: Northernden Dry Cleaners Location: 328, Palatine Road, Manchester, M22 4HE Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	850	-	383007 390287
109	Contemporary Trade Directory Entries Name: Carpet Cleaning Didsbury Location: 47, Dene Road, Didsbury, Manchester, M20 2TG Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	806	-	384428 390898
110	Contemporary Trade Directory Entries Name: Nissi Engineering Ltd Location: Flat 7-12, 99-101, Northen Grove, Manchester, M20 2JL Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	813	-	383802 391793
111	Contemporary Trade Directory Entries Name: Co-Op Petrol Location: 849, PRINCESS ROAD, MANCHESTER, M20 2ZF Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	822	-	382867 391506
111	Contemporary Trade Directory Entries Name: Texaco Location: 849, Princess Road, Manchester, M20 2ZF Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	837	-	382854 391513
111	Contemporary Trade Directory Entries Name: Texaco Filling Station Location: 849, Princess Road, Manchester, M20 2ZF Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	837	-	382854 391513

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	Contemporary Trade Directory Entries Name: J P Domestic Location: 15, St. Hildas Road, Northenden, Manchester, M22 4FP Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	824	-	382894 390422
113	Contemporary Trade Directory Entries Name: Brimec Transporter Services Location: Norwood, Ford Lane, Northenden, Manchester, M22 4NQ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	860	-	383245 390139
114	Contemporary Trade Directory Entries Name: Didsbury Service Station Location: 87 Barlow Moor Rd, Manchester, M20 2GN Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	869	-	384382 391398
115	Contemporary Trade Directory Entries Name: Gustav Botkai Location: 4, Victoria Avenue, Didsbury, Manchester, M20 2GZ Classification: Leather Merchants & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	871	-	384431 391300
116	Contemporary Trade Directory Entries Name: Silhouette Location: 8, Rowsley Avenue, Manchester, M20 2XD Classification: Lingerie Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	875	-	383271 391859
117	Contemporary Trade Directory Entries Name: Decorrum Ltd Location: 30, GRENFELL ROAD, MANCHESTER, M20 6TQ Classification: Distilleries Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	880	-	384477 391193
118	Contemporary Trade Directory Entries Name: Barlow Moor Filling Station Location: 156, BARLOW MOOR ROAD, MANCHESTER, M20 2XQ Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	889	-	383489 391913
118	Contemporary Trade Directory Entries Name: Barlow Moor Filling Station Location: Barlow Moor Road, MANCHESTER, M20 2XQ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	890	-	383489 391914
118	Contemporary Trade Directory Entries Name: K Klass Motors Ltd Location: 156, Barlow Moor Road, Manchester, M20 2XQ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	890	-	383489 391914
118	Contemporary Trade Directory Entries Name: Parkway Autos Location: Barlow Moor Road, Manchester, M20 2XQ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	890	-	383489 391914
118	Contemporary Trade Directory Entries Name: Cars Of Didsbury Ltd Location: Barlow Moor Road, Manchester, M20 2XQ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	890	-	383489 391914
118	Contemporary Trade Directory Entries Name: Best Cleaning Location: Flat 1, 156, Barlow Moor Road, Manchester, Lancashire, M20 2XQ Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	890	-	383489 391914

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	Contemporary Trade Directory Entries Name: Hancocks Location: 560, Princess Road, Manchester, M21 7QA Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	909	-	382853 391627
120	Contemporary Trade Directory Entries Name: Home Direct Uk Location: 349, Palatine Road, Manchester, M22 4FY Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	917	-	383016 390200
121	Contemporary Trade Directory Entries Name: Pro Cleaners Baguley Location: Manchester, Greater Manchester, M22 4hd Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	925	-	382973 390220
121	Contemporary Trade Directory Entries Name: Fads Location: 358-362, Palatine Road, Manchester, M22 4HD Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	950	-	382958 390200
122	Contemporary Trade Directory Entries Name: Easy Wheels Location: Unit 1,20 Moorfield Rd, Manchester, Lancashire, M20 2UY Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	936	-	383615 391957
123	Contemporary Trade Directory Entries Name: Mrs Mop Location: 8, Warwick Avenue, Manchester, M20 2LL Classification: Laundry & Dry Cleaning Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	954	-	383822 391935
124	Contemporary Trade Directory Entries Name: A1 Northenden Domestic Appliances Location: 69, Church Road, Manchester, M22 4WD Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	967	-	383104 390091
124	Contemporary Trade Directory Entries Name: A1 Northenden Domestic Appliances Location: 69, Church Road, Manchester, M22 4WD Classification: Washing Machines - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	967	-	383104 390091
124	Contemporary Trade Directory Entries Name: Kelwal Diy Location: 55, Church Road, Manchester, M22 4WD Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	979	-	383059 390103
125	Contemporary Trade Directory Entries Name: Turboflame Location: 792, Wilmslow Road, Manchester, M20 6UG Classification: Candle Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (E)	998	-	384620 390894
125	Contemporary Trade Directory Entries Name: Scrap Car Now Today Cash Didsbury Location: Wilmslow Road, Manchester, Lancashire, m20 6ug Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A15SW (E)	998	-	384620 390894
125	Contemporary Trade Directory Entries Name: I T S (North West) Ltd Location: 792, Wilmslow Road, Manchester, Lancashire, M20 6UG Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (E)	998	-	384620 390894

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	Contemporary Trade Directory Entries Name: Printing.Com Location: 792, Wilmslow Road, Manchester, Lancashire, M20 6UG Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A15SW (E)	998	-	384620 390894
125	Contemporary Trade Directory Entries Name: Printing.Com Location: 792, Wilmslow Road, Manchester, M20 6UG Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (E)	998	-	384620 390894
125	Contemporary Trade Directory Entries Name: Didsburyprinting.Com Location: 792, Wilmslow Road, Manchester, Lancashire, M20 6UG Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (E)	998	-	384620 390894
125	Contemporary Trade Directory Entries Name: James Robertshaw Location: 794, Wilmslow Road, Manchester, Lancashire, M20 6UH Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (E)	998	-	384620 390894
125	Contemporary Trade Directory Entries Name: All Shutters Location: 792, Wilmslow Road, Manchester, Lancashire, M20 6UG Classification: Roller Shutter Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A15SW (E)	998	-	384620 390894
125	Contemporary Trade Directory Entries Name: Multi Task Cleaners Location: 792, Wilmslow Road, Manchester, M20 6UG Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (E)	998	-	384620 390894
125	Contemporary Trade Directory Entries Name: Multitask Cleaners Location: 792, Wilmslow Road, Manchester, Lancashire, M20 6UG Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the address or location	A15SW (E)	998	-	384620 390894
125	Contemporary Trade Directory Entries Name: Cancer Research Location: 800-802, Wilmslow Road, Manchester, M20 6UH Classification: Chain Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (E)	998	-	384620 390894
126	Contemporary Trade Directory Entries Name: Mullins & Ingham Joinery Ltd Location: The Workshop, Ward Street, Didsbury, Manchester, M20 6TJ Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A15NW (E)	999	-	384582 391257
127	Fuel Station Entries Name: Northenden Service Station Location: 265, Palatine Road , Northenden , Manchester, Greater Manchester, M22 4ET Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A7NE (SW)	602	-	383147 390493
128	Fuel Station Entries Name: Rss St Hildas Location: 304, Palatine Road St Hildas Road, Northenden , Manchester, Greater Manchester, M22 4FW Brand: Esso Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A7NE (SW)	752	-	383038 390387

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	Fuel Station Entries Name: Asda Express Mersey Lights Location: 849, Princess Road , West Didsbury , Manchester, Greater Manchester, M20 2ZF Brand: Asda Express Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	823	-	382867 391507
130	Fuel Station Entries Name: Didsbury Service Station Location: Barlow Moor Road , Didsbury , Manchester, Greater Manchester, M20 6TN Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A19SE (NE)	847	-	384366 391381
131	Fuel Station Entries Name: Barlow Moor Filling Station Location: 156, Barlow Moor Road , West Didsbury , Manchester, Greater Manchester, M20 2GE Brand: Gulf Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A18NW (N)	880	-	383488 391904
132	Fuel Station Entries Name: West Didsbury Filling Station Location: Princess Parkway , West Didsbury , Manchester, Greater Manchester, M20 2LT Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Approximate location provided by supplier	A17NE (NW)	880	-	383080 391778
133	Points of Interest - Commercial Services Name: Halfords Autocentre Location: Wm Morrison Supermarkets Plc 269, Palatine Road, Manchester, M22 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	651	7	383132 390443
134	Points of Interest - Commercial Services Name: Car Wash Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NE (SW)	751	7	383039 390388
134	Points of Interest - Commercial Services Name: Rss St Hildas Location: 304 Palatine Road, Manchester, M22 4FW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NE (SW)	752	7	383038 390387
135	Points of Interest - Commercial Services Name: Co-Op Mersey Lights Location: 849 Princess Road, Manchester, M20 2ZF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (NW)	802	7	382883 391494
135	Points of Interest - Commercial Services Name: Car Wash Location: 849 Princess Road, Manchester, M20 2ZF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (NW)	832	7	382860 391513
136	Points of Interest - Commercial Services Name: Breakers Yard Location: M22 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A8SW (S)	865	7	383235 390138
136	Points of Interest - Commercial Services Name: D Race & Sons Location: 7a Boat Lane, Manchester, M22 4HR Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A7SE (S)	876	7	383219 390134

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	Points of Interest - Commercial Services Name: A & N Resources Ltd Location: 8a Rowsley Avenue, Manchester, M20 2XD Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A18NW (N)	875	7	383271 391859
138	Points of Interest - Commercial Services Name: Parkway Autos Location: 156 Barlow Moor Road, Manchester, M20 2XQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	889	7	383489 391913
138	Points of Interest - Commercial Services Name: Parkway Autos Location: 156 Barlow Moor Road, Manchester, M20 2XQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	890	7	383489 391914
139	Points of Interest - Education and Health Name: Douglas House Location: 54 Barlow Moor Road, Manchester, M20 2TR Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A19SW (NE)	788	7	384091 391606
139	Points of Interest - Education and Health Name: Douglas House Location: 54 Barlow Moor Road, Manchester, M20 2TR Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A19SW (NE)	788	7	384091 391606
140	Points of Interest - Manufacturing and Production Name: Tank Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	390	7	383127 390868
141	Points of Interest - Manufacturing and Production Name: Didsbury Business Centre Location: 137 Barlow Moor Road, Manchester, M20 2PW Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A18SE (NE)	694	7	383848 391644
142	Points of Interest - Public Infrastructure Name: Sluice Location: M22 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	673	7	383275 390332
142	Points of Interest - Public Infrastructure Name: Weir Location: M22 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	715	7	383225 390312
142	Points of Interest - Public Infrastructure Name: Weir Location: M22 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	717	7	383221 390312
143	Points of Interest - Public Infrastructure Name: St Hildas Service Station Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	751	7	383039 390388
143	Points of Interest - Public Infrastructure Name: Esso Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	751	7	383039 390388

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Points of Interest - Public Infrastructure Name: St Hildas Service Station Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	751	7	383039 390388
143	Points of Interest - Public Infrastructure Name: Esso Location: 304 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	752	7	383038 390387
143	Points of Interest - Public Infrastructure Name: Rss St Hildas Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NE (SW)	752	7	383038 390387
144	Points of Interest - Public Infrastructure Name: Co-op Petrol Location: 849 Princess Road, Manchester, M20 2ZF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	822	7	382866 391505
144	Points of Interest - Public Infrastructure Name: Co-Op Mersey Lights Location: 849, Princess Road, Didsbury, Manchester, M20 2ZF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	823	7	382866 391506
144	Points of Interest - Public Infrastructure Name: Somerfield Mersey Lights 3469-4 Location: 849 Princess Road, Manchester, M20 2ZF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	831	7	382855 391504
144	Points of Interest - Public Infrastructure Name: The Co-operative Location: 849 Princess Road, Manchester, M20 2ZF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	832	7	382860 391513
144	Points of Interest - Public Infrastructure Name: Texaco Location: 849 Princess Road, Didsbury, Manchester, M20 2ZF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	837	7	382854 391513
144	Points of Interest - Public Infrastructure Name: Texaco Filling Station Location: 849 Princess Road, Manchester, M20 2ZF Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	837	7	382854 391513
145	Points of Interest - Public Infrastructure Name: Barlow Moor Filling Station Location: 156 Barlow Moor Road, Manchester, M20 2XQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18NW (N)	880	7	383488 391904
145	Points of Interest - Public Infrastructure Name: Barlow Moor Filling Station Location: 156 Barlow Moor Road, Manchester, M20 2XQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18NW (N)	880	7	383488 391904
145	Points of Interest - Public Infrastructure Name: Barlow Moor Filling Station Location: 156 Barlow Moor Road, Manchester, M20 2XQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18NW (N)	889	7	383489 391913

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	Points of Interest - Recreational and Environmental Name: Play Area Location: M22 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	730	7	383176 390324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	Areas of Adopted Green Belt Authority: Manchester City Council Plan Name: Proposals Map Status: Adopted Plan Date: 11th July 2012	A13NW (NW)	16	9	383519 391032

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Macclesfield Borough Council (now part of Cheshire East Council) - Health and Public Safety Trafford Metropolitan Borough Council - Renewal and Environmental Protection Environment Agency - Head Office Manchester City Council - Environmental Health Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environment Team (Land & Water) Cheshire East Council - Environmental Health Department	July 2008 November 2013 November 2023 October 2017 October 2017 October 2017 October 2017	Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually
Discharge Consents Environment Agency - North West Region	April 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	July 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control Salford City Council - Environmental Health Department Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department Cheshire East Council - Environmental Health Department	December 2020 February 2009 October 2014 October 2014 September 2014 September 2023	Variable Not Applicable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Salford City Council - Environmental Health Department Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department Cheshire East Council - Environmental Health Department	December 2020 February 2009 October 2014 October 2014 September 2014 September 2023	Annual Rolling Update Not Applicable Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually
Local Authority Pollution Prevention and Control Enforcements Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department Cheshire East Council - Environmental Health Department	February 2009 March 2015 October 2014 October 2014 September 2014 September 2023	Not Applicable Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	June 2024	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	
Registered Radioactive Substances Environment Agency - Head Office Environment Agency - North West Region	May 2023 May 2023	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable

Agency & Hydrological	Version	Update Cycle
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	April 2024	Quarterly
Water Abstractions Environment Agency - North West Region	July 2024	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	July 2024	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	May 2024	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area	May 2024	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	July 2024	Quarterly
Local Authority Landfill Coverage Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department Manchester City Council - Planning Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department Manchester City Council - Planning Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Macclesfield Borough Council (now part of Cheshire East Council) - Planning Department Cheshire East Council - Planning Department Manchester City Council - Planning Department Stockport Metropolitan Borough Council - Environment and Economic Development Cheshire County Council (now part of Cheshire East Council) - Planning Department Trafford Metropolitan Borough Council Salford City Council	December 2008 February 2016 February 2016 February 2016 July 2008 July 2023 June 2016	Not Applicable Variable Variable Variable Annual Rolling Update Variable Variable
Planning Hazardous Substance Consents Trafford Metropolitan Borough Council Macclesfield Borough Council (now part of Cheshire East Council) - Planning Department Cheshire East Council - Planning Department Manchester City Council - Planning Department Stockport Metropolitan Borough Council - Environment and Economic Development Cheshire County Council (now part of Cheshire East Council) - Planning Department Salford City Council	April 2016 December 2008 February 2016 February 2016 February 2016 July 2008 June 2016	Variable Not Applicable Variable Variable Variable Annual Rolling Update Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	June 2024	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2024	Quarterly
Points of Interest - Education and Health PointX	June 2024	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2024	Quarterly
Points of Interest - Public Infrastructure PointX	June 2024	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2024	Quarterly
Underground Electrical Cables National Grid	January 2024	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2024	Bi-Annually
Areas of Adopted Green Belt Cheshire East Council - Planning Department Macclesfield Borough Council (now part of Cheshire East Council) Manchester City Council Salford City Council Stockport Metropolitan Borough Council Trafford Metropolitan Borough Council	July 2024 July 2024 July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Cheshire East Council - Planning Department Macclesfield Borough Council (now part of Cheshire East Council) Manchester City Council Salford City Council Stockport Metropolitan Borough Council Trafford Metropolitan Borough Council	July 2024 July 2024 July 2024 July 2024 July 2024 July 2024	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	May 2024	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	February 2024	Bi-Annually
Marine Nature Reserves Natural England	February 2024	Bi-Annually
National Nature Reserves Natural England	February 2024	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 April 2024	Bi-Annually
Ramsar Sites Natural England	February 2024	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2024	Bi-Annually
Special Areas of Conservation Natural England	April 2024	Bi-Annually
Special Protection Areas Natural England	April 2024	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Manchester City Council - Environmental Health Department PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY	Telephone: 0161 234 4884 / 234 4873. Fax: 0161 234 4508 Website: www.manchester.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Manchester City Council - Planning Department Town Hall, Manchester, Greater Manchester, M60 2LA	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
7	PointX 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Manchester City Council Town Hall, Albert Square, Manchester, Greater Manchester, M60 2JT	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
10	Stockport Metropolitan Borough Council Hygarth House, 103 Wellington Road South, Stockport, Greater Manchester, SK1 3TP	Telephone: 0161 480 4949 Fax: 0161 477 9530 Website: www.stockport.gov.uk
11	Trafford Metropolitan Borough Council P O Box 14, Trafford Town Hall, Talbot Road, Stretford, Greater Manchester, M32 0YZ	Telephone: 0161 912 1212 Fax: 0161 873 7783 Website: www.trafford.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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