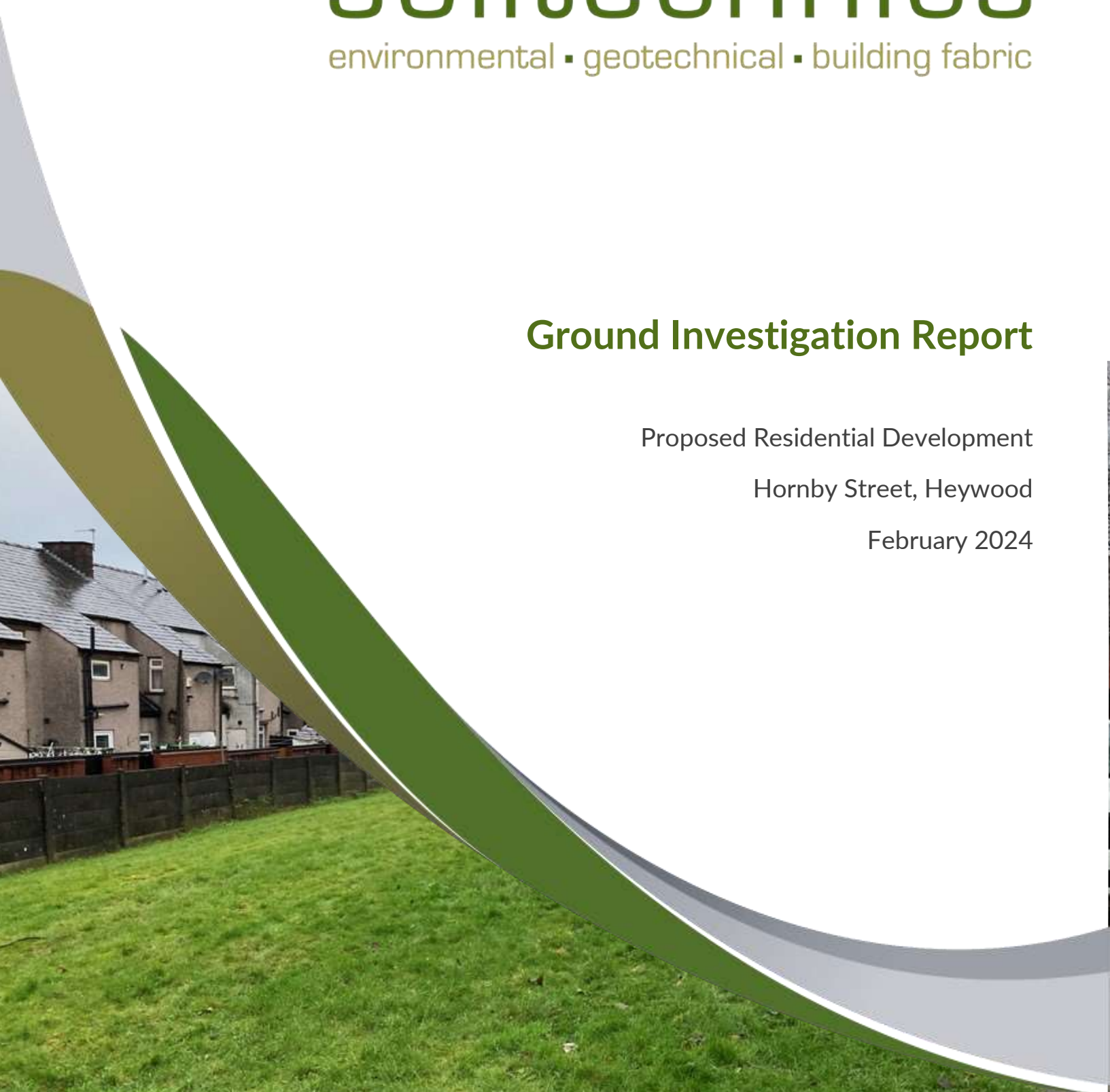




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Ground Investigation Report

Proposed Residential Development

Hornby Street, Heywood

February 2024



Project Details

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Issuing office: Soiltechnics Ltd
Unit 9, Clarence Avenue, Westpoint Enterprise Park, Trafford Park, Manchester M17 1QS
Tel: 0161 9470270 E-mail: mail@soiltechnics.net

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B	February 2024	Second issue – updated following completion of gas monitoring	CB	DH	SCD

Any changes made as part of Revision B are denoted by a single black line in the left hand margin



Table of Contents

Non-technical Summary	vi
1 Introduction	1
1.1 Scheme Outline	1
1.2 Brief	1
1.3 Definition of Scope	1
1.4 Limitations	2
2 Desk Study	3
2.1 Sources of information	3
2.2 Site Description	3
2.3 Planning Records	4
2.4 Previous Reports	5
2.5 Site History	5
2.6 Regulatory Enquiries	5
2.7 Anticipated Geology	6
2.8 Hydrogeology and Groundwater Sensitivity	6
2.9 Hydrology and Surface Water Sensitivity	6
2.10 Flood Risk	6
2.11 Non-Mining Ground Instability Hazard	7
2.12 Quarrying and Mining	7
2.13 Landfill and infilled ground	7
2.14 Recent industrial activity	7
2.15 Radon	8
2.16 Underground Infrastructure	8
2.17 Unexploded Ordnance (UXO) Hazard Screen	8
3 Coal Mining Risk Assessment	9
3.1 General	9
3.2 Review of Desk Based Information	9
3.3 Risk Summary	12
3.4 Unrecorded shallow coal mining	12
3.5 Mine Gas Emissions	13
3.6 Conclusions	13
4 Tier 1 Preliminary Contamination Risk Assessment	14
4.1 Objectives	14
4.2 Evaluation Criteria	14
4.3 Methodology	14
4.4 Source Assessment	15
4.5 Receptor Assessment	15
4.6 Pathway Assessment	16
4.7 Initial Conceptual Site Model (iCSM)	17
4.8 Preliminary Risk Assessment Conclusions and Recommendations	22
5 Ground Investigation	23
5.1 Objectives	23
5.2 Fieldwork summary	23
5.3 Unexploded Ordnance (UXO)	23
5.4 Sampling	23
5.5 In-situ Testing	24

5.6	Monitoring Installations	24
5.7	Monitoring visits and groundwater sampling	24
5.8	Investigation Constraints	24
6	Laboratory testing	25
6.1	Overview	25
6.2	Geotechnical Testing	25
6.3	Chemical Testing	25
7	Ground Investigation Findings	26
7.1	Ground Model	26
7.2	Topsoil	26
7.3	Made Ground	26
7.4	Glaciofluvial Deposits	27
7.5	Groundwater	28
7.6	Evidence of Possible Contamination	28
7.7	Obstructions and Instability	28
8	Geotechnical Discussion	29
8.1	Scheme Overview	29
8.2	Geotechnical Category	29
8.3	Key Geotechnical Issues	29
8.4	Low Strength and Made Ground	29
8.5	Groundwater	30
8.6	Mining Legacy	30
8.7	Trees and Vegetation	30
8.8	Building Foundation Strategy	30
8.9	Geotechnical Parameters	31
8.10	Spread Foundations	31
8.11	Piled Foundations	32
8.12	Ground Improvement	32
8.13	Residential Ground Floor Construction	33
8.14	Aggressiveness of the Ground to Buried Concrete	33
8.15	Drainage	34
8.16	Suitability For Material Re-use	34
8.17	Constructability	34
9	Tier 2 Generic Quantitative Risk Assessment	36
9.1	Objectives	36
9.2	Fieldwork Observations	36
9.3	Laboratory Testing Rationale	36
9.4	Generic Assessment Criteria	36
9.5	Human Health GQRA (soils and vapour)	37
9.6	Proposed Site Users Risk Assessment (soils and vapour)	37
9.7	Construction Workers Risk Assessment	38
9.8	Adjacent Site Users Risk Assessment	38
9.9	Controlled Waters Risk Assessment	38
9.10	Ground Gas Monitoring Rationale	38
9.11	Ground Gas Monitoring Results	38
9.12	Updated Ground Gas Risk Assessment	39
9.13	Risks to Soft Landscaping Vegetation	39
9.14	Water Supply Pipes	39
9.15	Updated Conceptual Site Model (uCSM)	40

9.16	Risk Assessment Conclusions	43
9.17	Unexpected and Previously Unencountered Contamination	43
10	Soil and Waste Management	44
10.1	Sustainability	44
10.2	Waste Hierarchy	44
10.3	Liability Of Waste Management	44
10.4	Materials Management	44
10.5	Further Recommendations	45
11	Recommendations for further works	46
Appendix A	Drawings	
Appendix B	Exploratory Hole Logs: Boreholes	
Appendix C	Photographic Records	
Appendix D	In Situ Test Results	
Appendix E	In situ Permeability Testing Results	
Appendix F	Geotechnical Laboratory Test Results	
Appendix G	Post Fieldwork Monitoring	
Appendix H	Geoenvironmental Laboratory Test Results	
Appendix I	Contamination Assessment Screening	
Appendix J	Consultants Coal Mining Report	
Appendix K	Utility Service Plans	
Appendix L	Envirocheck Report	

Drawing Register

Title	Produced by	Date	Reference
Exploratory Hole Location Plan	Soiltechnics Ltd	January 2024	STV6299-D01-A
Location Plan	Triangle Architects	August 2023	23-031-SK01-P01
Proposed Site Plan	Triangle Architects	November 2023	23-031-21-P03
Proposed Block Plan	Triangle Architects	November 2023	23-031-11-P05
Proposed Block Elevations	Triangle Architects	November 2023	23-031-21-P05

List of Tables

Table 1-A:	Definition of Investigation Scope	2
Table 2-A:	Site Description	4
Table 2-B:	Summary of site history	5
Table 2-C:	Summary of anticipated geology at the site	6
Table 2-D:	Preliminary Hydrogeological Model	6
Table 2-E:	Non-Mining Ground Stability Hazards	7
Table 3-A:	Summary of risk assessment in relation to coal mining legacy	12
Table 4-A:	Contamination source assessment	15
Table 4-B:	Receptor assessment	16

Table 4-C:	Generic pathway assessment	16
Table 4-D:	Generic pathway assessment	17
Table 4-E:	iCSM Risk Ratings	17
Table 4-F:	iCSM – Proposed End Users	18
Table 4-G:	iCSM – Acute Exposure to Construction Workers	18
Table 4-H:	iCSM – Chronic Exposure to Adjacent Site Users	19
Table 4-I:	iCSM – Acute Exposure to Adjacent Site Users	19
Table 4-J:	iCSM – Phytotoxic Risk to Proposed Planting Scheme	19
Table 4-K:	iCSM – Controlled Waters Risk	20
Table 4-L:	iCSM – Current Site Risks (Part IIA)	21
Table 4-M:	Receptors at Risk Under the Proposed Scheme	22
Table 5-A:	Summary of fieldwork undertaken	23
Table 5-B:	Summary of field testing undertaken	24
Table 5-C:	Summary of monitoring installations	24
Table 5-D:	Summary of post fieldwork spot monitoring	24
Table 6-A:	Summary of geotechnical laboratory testing	25
Table 6-B:	Summary of chemical laboratory testing	25
Table 7-A:	Ground Model	26
Table 7-B:	Summary of groundwater observations during the fieldworks	28
Table 7-C:	Summary of groundwater monitoring visits	28
Table 8-A:	Summary of characteristic geotechnical parameters – Glaciofluvial deposits (cohesive)	31
Table 8-B:	Summary of foundation ultimate limit state analyses (spread foundations)	31
Table 8-C:	Key geotechnical variables used in settlement analyses	32
Table 8-D:	SLS bearing resistance to ensure total settlement to <25mm	32
Table 8-E:	Summary of common ground improvement techniques	33
Table 8-F:	Summary of the aggressiveness of the ground to buried concrete	33
Table 8-G:	Summary of in situ permeability test results in accordance with BS EN ISO 22282	34
Table 9-A:	Human health GQRA models and outcomes	37
Table 9-B:	Human health GQRA exceedances	37
Table 9-C:	CSM Risk Ratings	40
Table 9-D:	uCSM – Proposed End Users	41
Table 9-E:	uCSM – Acute Exposure to Construction Workers	41
Table 9-F:	uCSM – Chronic Exposure to Adjacent Site Users	42
Table 9-G:	uCSM – Controlled Waters Risk	42
Table 10-A:	Waste management hierarchy	44
Table 10-A:	Recommended Further Works (Pre-Commencement)	46

List of Figures

Figure 2-A:	Aerial photograph and approximate site boundary (redline)	3
Figure 3-A:	Coal Authority mapping showing site boundary (red) coal seams (purple) and development high risk areas (black hatching)	10
Figure 3-B:	BGS 1:10000 map extract (site boundary in red)	11
Figure 7-A:	A photograph of the Made Ground from WS01 0.30m – 0.80m	27
Figure 7-B:	A photograph of the Glaciofluvial Deposits from WS03 from 2.0m – 5.0m depth	27
Figure 7-C:	A photograph of the Peat observed from WS01 from 1.0m – 2.0m depth	28

Non-technical Summary

Topic	Commentary
Site description	The site currently comprises an undeveloped grassed area with a hardstanding track along the western boundary.
Development proposals	It is understood that the proposed schedule of accommodation is 12No. units with 1No. unit for ancillary space for worker accommodation.
Ground conditions	Topsoil over Made Ground was encountered up to 1.3m bgl depth. Superficial Glaciofluvial Deposits were recorded underlying Made Ground comprising soft to stiff clay/silt and occasional sand bands. Peat was encountered in the north of the area only, thickest close to the northern boundary.
Mining Risk	Assessments indicated the presence of an unnamed, 0.1m thick coal seam outcrops beneath the north of the site. The Arley Coal seam also subcrops some 190m northeast of the site. Seams are anticipated to dip southwest, thus, both seams are likely to dip below the site. No recorded workings are noted however probable unrecorded workings associated with the unnamed coal seam and Arley Coal seam are indicated. There are no mine entries or opencast mines recorded on or near the site. A residual ground instability risk has been identified associated with the Arley Coal seam, which will require further investigation.
Foundation and slab solution	Boreholes in the south of the site indicated the presence of competent cohesive strata at shallow depth and therefore shallow spread foundations should be feasible within this area, extending as necessary through any Made Ground. In the central and north of the site, Peat and very soft to soft cohesive natural deposits were encountered to depths between 2.0m and >5.45m, the latter in the northernmost of the site. Piled foundations may need to be adopted in the north of the site, subject to further investigation. Alternatively, ground improvement may be an option, subject to specialist advice. Given the nature of the development i.e. terraced block of dwellings, use of differing foundation solutions across the structure is unlikely to be viable. Differing levels of total settlement is likely to occur in such instances between foundations, which could lead to excessive levels of different settlement. If the block is appropriately divided between the southern part of the site, and the central and northern part of the site, differing foundation solutions could be adopted in such instances. Ground bearing floor slabs can be adopted where they are remote from trees and where Made Ground and Topsoil deposits are fully removed within the footprint of the building. However, in view of the variable thickness of Made Ground across the site, and the nature of the development, it is likely that a suspended ground floor will be required. A concrete classification of DS-1 AC-1 is recommended beneath the site.
Drainage potential	Preliminary infiltration testing was undertaken in the centre of the site and indicated strata of very low permeability (minimum 2.03 to 4.87×10^{-7} m/s). Shallow soakaways are highly unlikely to be feasible for the site.
Chemical contamination and remedial requirements	Potential risks from contamination have not been identified which would require further investigation to progress the development through planning on the basis that the site is to be entirely covered in buildings and hardstanding. Should development proposals change the GQRA will need to be updated accordingly.
Radon, gas risk and protection measures	Six ground gas monitoring rounds have been completed (including 3No. rounds in low atmospheric pressure conditions) with no significantly elevated concentrations of methane or carbon dioxide recorded. A NHBC Traffic Light 'Green'/CS-1 scenario has been derived for the site and no ground gas protection measures are considered necessary for the new development.
Recommendation for further works	A detailed coal mining risk assessment intrusive investigation. Such investigation will also assist in derivation of pile/ground improvement design criteria.

1 Introduction

1.1 Scheme Outline

- 1.1.1 It is understood that the proposed schedule of accommodation is 12No. units with 1No. unit for ancillary space for worker accommodation. Development proposals are presented in Appendix A.
- 1.1.2 The report is based on the project proposals and information outlined above; should the scheme change then it will be necessary to review the conclusions and recommendations presented in this report.

1.2 Brief

- 1.2.1 This report has been prepared following instructions received from Ward Williams Associates, on behalf of our mutual Client, Cornerstone Place Ltd. The overall brief of works is to:
- i) Undertake a ground investigation at the site to establish the prevailing ground conditions and identify potential abnormal development constraints.
 - ii) Support the planning application by assessing the potential risks from contamination at the site.
 - iii) Determine geotechnical parameters and provide a geotechnical appraisal for the scheme.
- 1.2.2 The objectives of this report are outlined below:
- iv) Summarise the intrusive investigation works undertaken and associated laboratory testing.
 - v) Present a ground model summarising the ground and groundwater conditions at the site including relevant geotechnical parameters.
 - vi) Provide a geotechnical appraisal for the project and highlight key geotechnical issues that may impact upon the proposed scheme.
 - vii) Undertake a land contamination Tier 2 generic quantitative risk assessment.
 - viii) Provide recommendations to inform an Options Appraisal and Remediation Strategy, should they be required.
 - ix) Provide a waste characterisation assessment of soils at the site for potential disposal to landfill.
- 1.2.3 Soiltechnics have previously completed a Tier 1 Preliminary Risk Assessment and Coal Mining Risk Assessment (ref STV6299-R01_RevB) dated December 2023. We have replicated such information for completeness within Sections 2, 3 and 4 of this report.
- ## 1.3 Definition of Scope
- 1.3.1 The phasing and scope of the ground investigation works is broadly defined by the following documents.

Title	Document Reference	Publisher	Investigation Scope
Code of practice for ground investigations	BS 5930:2015	British Standards Institution	Phase 1: Desk study Phase 2: Preliminary investigation

Title	Document Reference	Publisher	Investigation Scope
Eurocode 7 — Geotechnical design Part 2: Ground investigation and Testing	BS EN 1997-2:2007	British Standards Institution	Preliminary Investigation
Investigation of potentially contaminated sites – Code of practice	BS 10175: 2011+A2: 2017	British Standards Institution	Preliminary Investigation (desk study) Exploratory Investigation
Land contamination risk management	Online resource, updated April 2021	Environment Agency	Stage 1 Risk Assessment: Tier 1: Preliminary risk assessment Tier 2: Generic quantitative risk assessment

Table 1-1: Definition of Investigation Scope

1.4 Limitations

- 1.4.1 Soiltechnics disclaims any responsibility to our Client and others in respect of any matters outside the scope of this report. This report has been prepared with reasonable skill, care and diligence in accordance with the terms of our contract, taking account of the resources, investigations and testing devoted to it by agreement with our Client. This report is confidential to our Client and Soiltechnics accepts no responsibility of whatsoever nature to third parties to whom this report or any part thereof is made known. Any such party relies upon the report at their own risk.

2 Desk Study

2.1 Sources of information

2.1.1 Reference has been made to the following sources of information:

- An Envirocheck Report and historical map records, presented as Appendix L.
- British Geological Survey (BGS) GeoIndex – Onshore database.
- BGS Sheet 085 (Scale 1:50 000) – Manchester (2010).
- Ordnance Survey OpenData.
- Coal Authority Development and Specific Risk databases.
- Environment Agency open-source databases.
- Google mapping services.
- Interrogation of search engines for anecdotal information on the site history and other readily available online resources.

2.2 Site Description

2.2.1 The proposed development lies within Heywood, approximately 400m southeast of the town centre. The post code for the site is OL10 1BH, and the site is accessed from Hornby Street which lies adjacent to the site's eastern boundary.

2.2.2 An aerial image showing the approximate site boundary is presented below, followed by a table summarising the key site features. A Site Plan is provided within Appendix A.



Figure 2-1: Aerial photograph and approximate site boundary (redline)

Theme	Feature
Current site use	The site is currently an undeveloped grassed area with a hardstanding track along the western boundary, which provides access to the rear of residential properties off Stanley Street. A concrete panel fence aligns the western edge of the grassed area.
Local area land use	The surrounding area is dominantly residential in nature. Heywood Park Primary School is located beyond Hornby Street to the northeast of the site.
Topography	The topography of the surrounding area is generally flat. On site, levels are relatively flat with the exception of the westernmost area of grass which fall gently west down towards the hardstanding track by ~0.5m.
Buildings, surfacing and other permanent features	80% of the site comprises grassed landscaping. A hardstanding track runs along the western boundary of the site. No structures observed.
Boundary features	The site boundaries are defined by fencing (wooden to the north and concrete panels to the south). The western boundary is defined by the rear of the dwellings located off Stanley Street. The eastern boundary of the site is defined by the public footpath of Hornby Street.
Vegetation	No significant vegetation is present within the site boundary.
On-site / adjacent surface water features	None observed.
Environmental Designations	The site is not reported to be within or in close proximity to any areas of designated sensitive land use, such as a Ramsar Site, Site of Special Scientific Interest (SSSI), or Special Area of Conservation.
Injurious and invasive weeds	None observed.
Asbestos containing material (ACM) in buildings	Not applicable – no structures present on site.
ACMs on site	No suspected ACMs were observed in any surface debris.
Potential sources of contamination	None observed.
Evidence for ground instability	None observed.

Table 2-1: Site Description

- 2.2.3 The observations provided above are made by a Geoenvironmental Engineer, who is not a specialist in asbestos surveying or invasive weed identification. Any associated comments are intended for use by this report only, and not for any other purpose. A series of photographic records of the site are presented in Appendix C.

2.3 Planning Records

- 2.3.1 Planning records held for adjacent properties indicates that a Coal Mining Risk Assessment (CMRA) was required for an extension of Heywood Park Primary School adjacent. The CMRA recommended undertaking rotary boreholes to assess the status of the Arley Coal seam underlying the school.

2.4 Previous Reports

2.4.1 Soiltechnics are not aware of any previous ground investigation reports undertaken at the site.

2.5 Site History

2.5.1 The site itself has remained undeveloped throughout history. The immediate surrounding area has been largely residential with the exception of reservoirs immediately north of the site associated with Stanley Mill 80m north of the site. The reservoirs were infilled in 1969 and the mill disused around the same time.

2.5.2 A chronological summary of the site's history is provided below.

Date	On-site	Off-site
Mid 1800s	The site was occupied by agricultural fields.	Surrounding area was dominantly agricultural. There are a number of cotton mills and multiple reservoirs 100-150m northeast, east and southeast including Bowling Green Mill (NE), Gordon Mill (E) and Scholfield Street Mill (SE).
Late-1800s – Early 1900s	The site remains undeveloped, but is no longer part of wider agricultural field.	Four reservoirs are located immediately north of the site. A gravel pit is located 225m northwest. Stanley Mill (Cotton) is located 80m north. Scholfield Mill is labelled as a Cotton Waste Mill by 1893. Corporation Yard 150-250m west. Woolpack Brewery located 100m southeast in the late 1800s is shown as disused by 1937.
Mid 1900s	No significant changes.	By 1956 most of the off-site reservoirs have been backfilled, with the exception of the reservoirs immediately north of the site. Bowling Green Mill has been replaced by a rope works and Burns Mill (Disinfectants) is shown 200m east. Two garages are located 200m northeast and north. Reservoirs immediately north shown as infilled in 1969 and Stanley Mill shown as disused.
Late 1900s – present day	No significant changes.	Houses have been constructed over the infilled reservoirs immediately north by 1990. Cotton Waste Mill to the southeast has been converted into a care home. All former mills to the NE, E and SE are shown as unspecified works. Former Stanley Mill demolished and replaced by houses. Corporation Yard to the west no longer shown.

Table 2-2: Summary of site history

2.6 Regulatory Enquiries

2.6.1 Soiltechnics have commissioned the Local Authority Environmental Health department to conduct a search of their records for any pertinent information they may hold for the site and surrounding area. No response was received.

2.6.2 The Building Control department indicated they held no relevant information for the site.

2.7 Anticipated Geology

- 2.7.1 Based on a review of available records, the site is anticipated to be underlain by the following geological units, in order of sequence, superficial Glaciofluvial Deposits, superficial Devensian Till and bedrock of the Pennine Lower Coal Measures Formation.
- 2.7.2 An unnamed coal seam is recorded outcropping beneath the north of the site trending NW-SE.
- 2.7.3 Although no development has occurred on the site itself, the site has been open and unused throughout history and may have been an attractive area for the deposition of waste material from historical construction and demolition phases from surrounding industry/residential development.
- 2.7.4 A summary of the anticipated geology underlying the site is summarised as follows:

Stratum	Bedrock / superficial	Anticipated thickness (m)	Typical description
Glaciofluvial Deposits	Superficial	1-3	Clay, sand and gravel
Devensian Till		6	Gravelly clay
Pennine Lower Coal Measures Formation	Bedrock	Up to 700	Mudstone, siltstone, sandstone and coal

Table 2-3: Summary of anticipated geology at the site

2.8 Hydrogeology and Groundwater Sensitivity

- 2.8.1 The general hydrogeological profile of the site is provided in the table above.

Stratum	Aquifer Designation	Stratum Thickness (m)	Groundwater commentary
Glaciofluvial Deposits	Secondary A	1-3	Local borehole records suggest groundwater is standing at approximately 4m below ground level
Devensian Till	Secondary Undifferentiated	6	
Pennine Lower Coal Measures	Secondary A	Up to 700	Assumed to be water bearing at depth/in fractures

Table 2-4: Preliminary Hydrogeological Model

- 2.8.2 Published borehole records in the surrounding area encountered groundwater within the base of the Glaciofluvial Deposits at depths of around 4m bgl.
- 2.8.3 The site is not located within a Source Protection Zone.
- 2.8.4 The nearest groundwater abstraction point is some 505m east of the site for use as process water for a tannery.

2.9 Hydrology and Surface Water Sensitivity

- 2.9.1 The nearest surface water feature is Millers Brook, located 461m northeast of the site.
- 2.9.2 The nearest surface water abstraction point lies 538m northeast of the site, taken from Millers Brook for boiler feed.

2.10 Flood Risk

- 2.10.1 The site falls within a Flood Zone 1 area. This designation indicates there is less than a 0.1% chance of flooding from rivers or the sea in any year.

- 2.10.2 The site is not recorded in an area with the potential for surface water flooding.
- 2.10.3 The site falls within an area with the potential for groundwater flooding within property below ground level.
- 2.10.4 It should be noted that this information does not constitute a site-specific Flood Risk Assessment and one may be required for the scheme.

2.11 Non-Mining Ground Instability Hazard

- 2.11.1 The Envirocheck Report includes hazard ratings due to natural ground instability, which have been derived by the BGS. These hazards have been summarised in the table below.

Hazard	Hazard Potential	Discussions
Collapsible ground	Very Low	N/A
Compressible ground	No hazard	N/A
Ground dissolution	No hazard	N/A
Landslide	Very Low	N/A
Running sand	Very Low	N/A
Shrinking or swelling clay	No hazard	N/A

Table 2-5: Non-Mining Ground Stability Hazards

2.12 Quarrying and Mining

- 2.12.1 The site is located within a coal mining Development High Risk Area. On this basis a Consultants Coal Mining Report has been obtained from the Coal Authority and a copy is presented as Appendix J. A Coal Mining Risk Assessment is presented in Section 3.
- 2.12.2 Historically a gravel pit was recorded some 225m northwest of the site. The closest BGS recorded mineral site is located 201m southwest, exploited for the gravels of the Glaciofluvial Deposits in the area. No active mineral sites are present within 1km of the site.

2.13 Landfill and infilled ground

- 2.13.1 No records of landfills are held within 250m of the site. There are 8 records of infilled ground within 250m of the site, the nearest of which are 27m north and 58m northwest (former reservoirs).

2.14 Recent industrial activity

- 2.14.1 There are no regulated facilities or activities in the vicinity of the site under IPPC or LAPPC control, and no registered radioactive substances within 250m of the site.
- 2.14.2 There are no Contemporary Trade Directory entries associated with site itself, and 17 are held within 250m with the closest being an electrical service shop 101m south. Other entries of note include a damp & dry rot control business 121m northeast, a boat repairer 148m northwest, 3No. garages/car dealers 211m northeast and a latex factory 243m east.
- 2.14.3 There are no records held of discharge consents within 250m of the site. There is 1No. pollution incident recorded within 250m of the site relating to a chemical spill on dated 1996, located 101m northwest. The incident was categorised as a Category 3 – minor incident.

2.15 Radon

- 2.15.1 The site is in an area where the above ground radon Affected Area status is classed as a Lower Probability Radon Area. No radon protection measures are required in new buildings.

2.16 Underground Infrastructure

- 2.16.1 Copies of all utility plans obtained are presented as Appendix K. The plans are provided for information only and should not be relied upon to be accurate. In addition, it is worth noting that the public utility plans provided by the asset owners typically exclude private service runs.
- 2.16.2 The plans do not show any mains services to cross the site.

2.17 Unexploded Ordnance (UXO) Hazard Screen

- 2.17.1 A preliminary risk review has been undertaken by a UXO specialist to assess the risk of encountering UXO during future ground investigation works undertaken by Soiltechnics only and to identify any precautionary measures required. It should be noted that the risk assessment has not been carried out fully in accordance with CIRIA report C785 'Unexploded Ordnance (UXO) A guide for the construction Industry'.
- 2.17.2 The risk review concluded that there was not a credible risk of encountering UXO intrusive ground investigation. It should be noted that this preliminary risk review does not consider risks to the construction phase.

3 Coal Mining Risk Assessment

3.1 General

- 3.1.1 The site lies within a Coal Mining Reporting area and a Development High Risk Area, therefore, a Coal Authority Consultants report has been obtained for the site and is presented in Appendix J.
- 3.1.2 A Coal Mining Risk Assessment Report is required for developments within a designated 'Coal Mining Development High Risk Area'. 'Coal Mining Development High Risk Areas' are areas, based upon Coal Authority records, where the potential land instability and other safety risks associated with former coal mining activities are likely to be greatest. They include, for example, areas of known or suspected shallow coal mining, recorded mine entries and areas of former surface mining. This assessment is based upon the guidance documents outlined below and comprises a review of available desk-based information.
- 3.1.3 We have reviewed available information in relation to coal mining to produce a risk assessment, which follows guidance produced by The Coal Authority (<https://www.gov.uk/guidance/planning-applications-coal-mining-risk-assessments>), in addition to information contained within CIRIA report C758 "Abandoned mine workings manual" (2019).

3.2 Review of Desk Based Information

- 3.2.1 The following sources of information have been used in production of the assessment and are summarised in the following sections:
- Historical Ordnance Survey Maps
 - Consultants Coal Mining Report produced by The Coal Authority
 - Geological information obtained from the British Geological Survey
 - Coal Authority online database
 - Other relevant information
- 3.2.2 Based on site history presented in Section 2.5, the site has generally been open land since mapping records began.
- 3.2.3 The Consultants Coal Mining Report states that there is a likelihood of the presence of shallow unrecorded coal mine workings (<30m depth), however, no past underground shallow or deep (>30m) coal mine workings are recorded beneath the site. The site is underlain by a thin unnamed coal seam subcropping beneath the north of the site and trending NW-SE.
- 3.2.4 There are no mine entries recorded on site or within 100m of the site, no opencast workings 500m of the site or mine gas emissions within 50m of the site. A summary extract from the Coal Authority interactive mapping is also presented in Figure 3-A below.

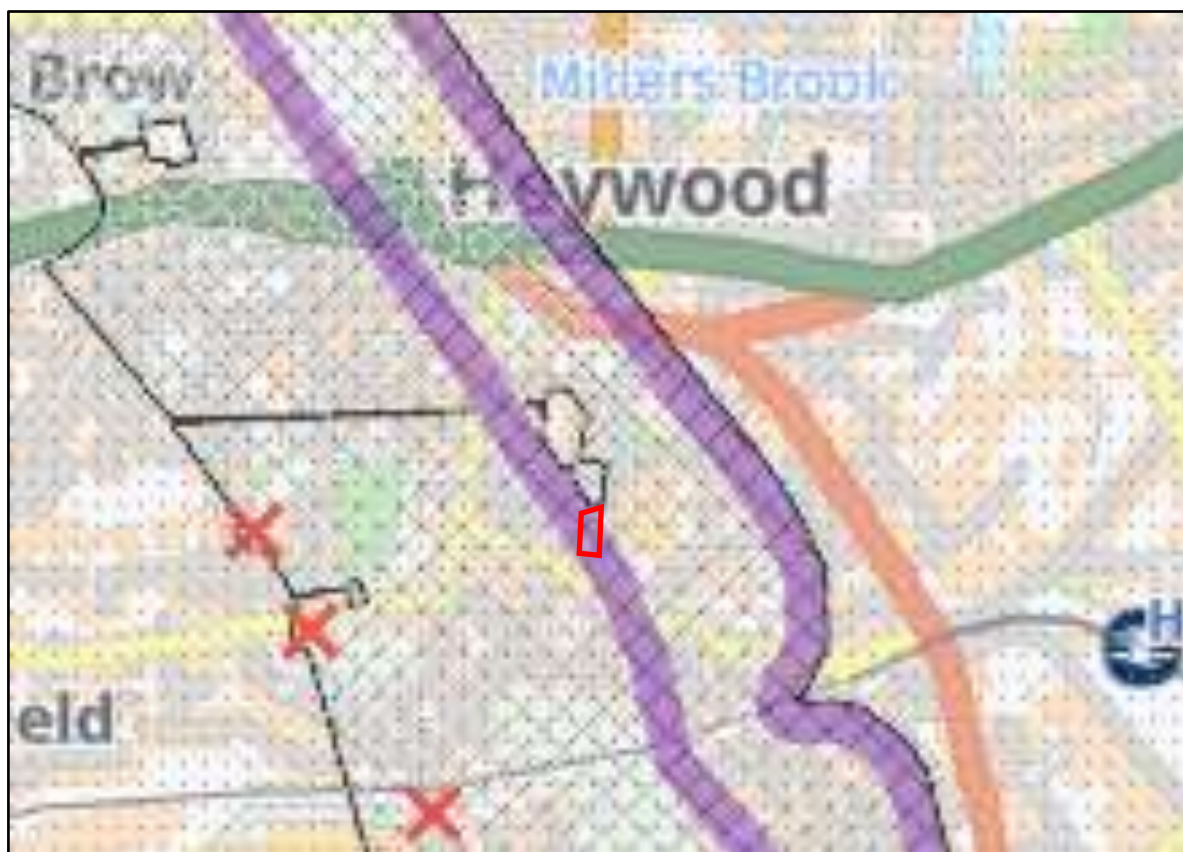


Figure 3-1: Coal Authority mapping showing site boundary (red) coal seams (purple) and development high risk areas (black hatching)

- 3.2.5 The shallow unrecorded workings recorded below the site are likely to be associated with the thin unnamed coal seam subcropping beneath the north of the site, but also potentially due to the Arley Coal seam, which outcrops approximately 190m northeast of the site. Strata dip angle in the area is indicated to be towards the southwest, so both the Arley Coal seam and unnamed coal seam are likely to be present beneath the site.
- 3.2.6 An extract from the BGS 1:10000 geological mapping and stratigraphic column illustrating the succession of bedrock/coal seams for the area is presented in Figure 3-B below. The unnamed 'thin' coal seam present onsite if recorded to be 0.1m in thickness and not laterally extensive in the area, with the Arley Coal seam up to 0.5m in thickness and more prominent in the area.

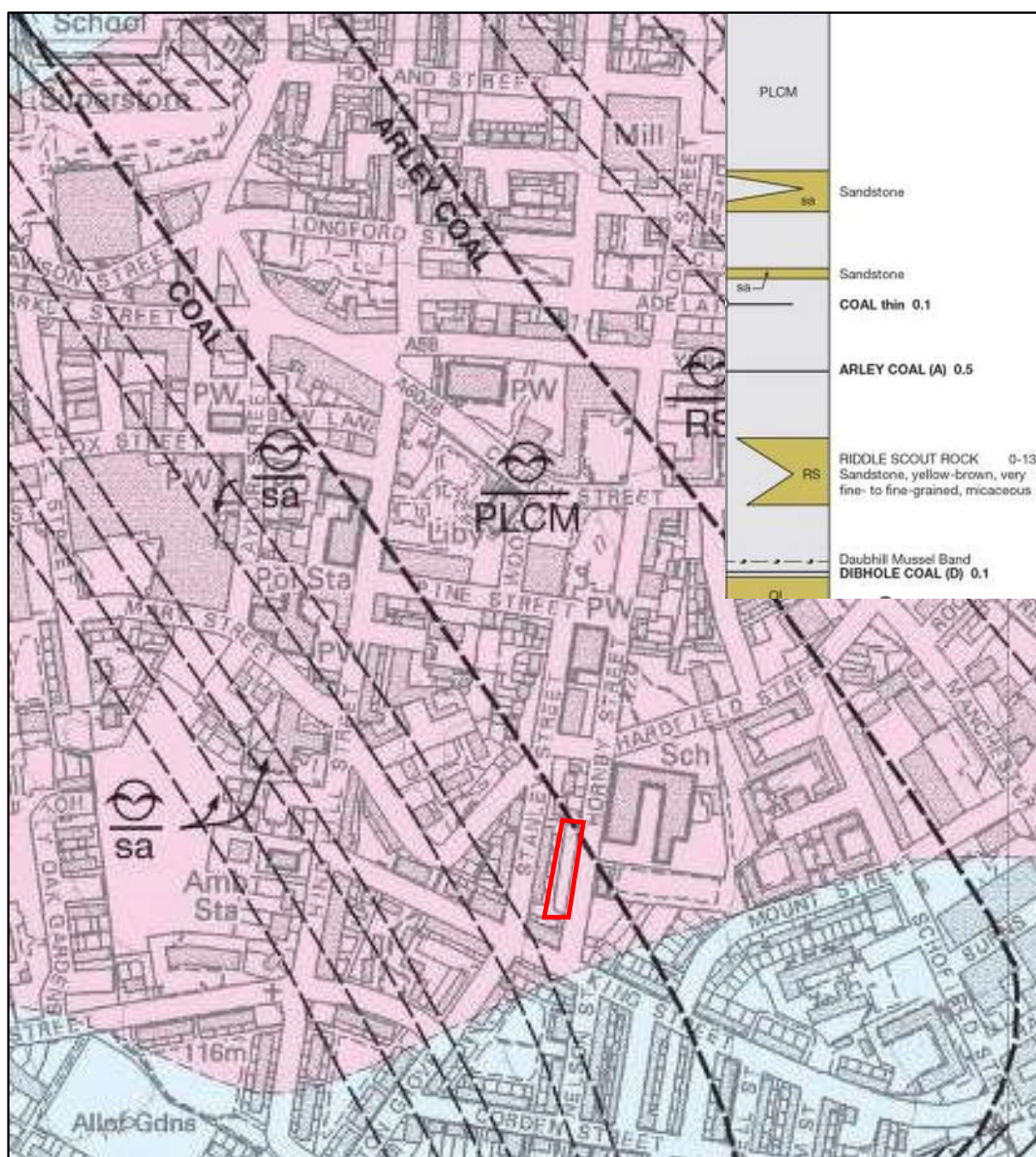


Figure 3-2: BGS 1:10000 map extract (site boundary in red)

- 3.2.7 The site is indicated to be underlain by ~8-10m of superficial deposits including Glaciofluvial Deposits and Devensian Till.
- 3.2.8 A nearby BGS borehole 10m north of the site does not indicate the presence of a coal seam within its 45m of surface level. Similarly, a series of boreholes 75m north of the site also do not indicate the presence of a coal seam within 30m of surface.
- 3.2.9 BGS mapping does not provide a local indication of strata dip angle for bedrock in the area. The Pennine Lower Coal measures tend to have shallow dip angles, therefore, a conservative estimate of 3° has been adopted.

3.3 Risk Summary

3.3.1 The table below summarises the potential risks associated with coal mining legacy at the site, identified from the sources of information as presented in preceding sections of this report: -

Coal Mining Aspect	Potentially High Risk?	Risk Assessment
Recorded underground shallow coal mining	✗	None recorded.
Probable underground shallow coal mining	✓	Recorded by Coal Authority, associated with thin unnamed coal seam, and the Arley Coal seam present to the northeast.
Underground coal mining (recorded at depths >30m)	✗	None recorded.
Mine entries (shafts / adits)	✗	None recorded within 100m of the site.
Coal mining geology (fissures)	✗	None recorded.
Record of past mine gas emissions	✓	None recorded. However shallow unrecorded workings may be present.
Recorded coal mining surface hazard	✗	None recorded.
Surface mining (opencast workings)	✗	None recorded.

Table 3-1: Summary of risk assessment in relation to coal mining legacy

3.4 Unrecorded shallow coal mining

- 3.4.1 The Coal Authority Consultants report indicates that the site is recorded in an area where probable unrecorded workings could exist. These are likely to be associated with the thick unnamed coal seam in the northern part of the site, and the Arley Coal seam to the northeast, which both dip below the site.
- 3.4.2 The unnamed coal recorded subcropping beneath the site is noted to be 0.1m in thickness by the BGS. Given its likely depth below surface level and limited thickness and lateral extent, the thin unnamed coal seam is likely to have been considered economical to exploit. Based on such, we do not anticipate possible shallow workings to be present below the site associated with the thin unnamed coal seam.
- 3.4.3 The Arley Coal seam is recorded as being 0.5m thick on BGS records and subcrops 190m northeast of the site. Assuming a shallow conservative dip angle of 3°, superficial cover thickness of 8m and the site ground level to be 3m lower than the ground level where the seam subcrops, the top of the Arley seam would be expected at c.~15m depth below the site.
- 3.4.4 Based on guidance presented in CIRIA C758, if coals associated with the Arley seam have been extracted by pillar and stall techniques, there is a risk of roof collapse, with the consequence of mine voids (as a result of roof collapse) migrating to the surface and causing adverse movement of foundations to proposed developments. Considering a worst case scenario of 30% bulking for mine collapse within coal measures, the zone of influence of conical collapse within the Arley Coal seam could potentially migrate to 10m, based on extraction thicknesses of 0.5m (based on 10x extraction thickness). Thus, there is likely to be sufficient competent bedrock cover to arrest migration of any resultant collapse void, and is not anticipated to be present a near surface ground instability risk.

- 3.4.5 Off-site BGS boreholes immediately adjacent to the north of the site did not indicate the presence of any coal seams, including a 45m deep borehole 10m north of the site. The seam should be present based on subcrop location and dip direction. Based on the Arley Coal seam not being recorded within 45m depth at this location, this would indicate a minimum dip angle of 13° within the Pennine Lower Coal Measures and therefore the Arley Coal seam would be at significant depth beneath the site.
- 3.4.6 Should the Arley Coal seam be present at 15m depth beneath the site, consideration will need to be given to the risk of piled foundations some 5-10m deep below surface (which could be required to support the development) encroaching close to the collapse zone if the Arley seam has been worked and collapsed.
- 3.4.7 Whilst BGS data suggests the Arley Coal seam is not present at shallow depths below the site, given the uncertainty and assumptions made in our assessments so far, there remains a residual risk of ground instability. We recommend a small number of rotary boreholes are drilled to confirm the sequence of strata below the site and confirm, or otherwise, worked coal seams are not present. Such boreholes could also serve to provide deeper soil parameters to assist pile design, where necessary.

3.5 Mine Gas Emissions

- 3.5.1 While the Consultants Mining Report states that the Coal Authority has no record of any onsite mine gas emission requiring action, unrecorded workings could also exist below the site, which could contain mine gases.
- 3.5.2 The site is underlain by a significant thickness (>5m) of Devensian Till deposits which are likely to act as an impermeable barrier to the migration of mine gases to ground level.
- 3.5.3 Overall, the risk from any potential mine gases migrating to surface level and affecting the development is considered to be low.

3.6 Conclusions

- 3.6.1 Based on the uncertainty and number of assumptions made in our assessments so far, there remains a residual risk of ground instability affecting the proposed development, associated with the potential working of the Arley Coal seam. We recommend a small number of rotary boreholes are drilled to confirm the sequence of strata below the site and confirm, or otherwise, worked coal seams are not present. Such boreholes could also serve to provide deeper soil parameters to assist pile design, where necessary.

4 Tier 1 Preliminary Contamination Risk Assessment

4.1 Objectives

- 4.1.1 The objective of this preliminary risk assessment (PRA) is to determine the suitability of the site for the proposed redevelopment and end users, in terms of the risk from contamination. The assessment comprises the following steps:
- Identify potential contaminant linkages (PCLs) between sources, pathways and receptors.
 - To provide data to assist in the design of potential exploratory and detailed intrusive investigations and to give an early indication of possible remedial requirements, if necessary.

4.2 Evaluation Criteria

- 4.2.1 The following assessment is undertaken within the legislative framework of the planning system. Therefore, the assessment needs to identify if land contamination could pose an unacceptable risk to human health or the environment, within the context of the proposed development site. In the context of the existing site use, as a minimum, land should not be capable of being determined as 'contaminated land' under Part IIA of the Environmental Protection Act 1990.
- 4.2.2 The risk criteria for the proposed development is based on a 'minimal risk' approach, whereas under the existing land use a designation of 'contaminated land' would only apply if there is a significant possibility of significant harm (SPOSH).

4.3 Methodology

- 4.3.1 The objectives listed above are achieved by utilising the information presented within the desk study to develop an initial conceptual site model (iCSM) and identification of potential unacceptable risks. Depending upon the outcome of the Tier 1 assessment, it may be necessary to undertake a Tier 2 generic quantitative risk assessment (GQRA).
- 4.3.2 An iCSM relies upon the identification and assessment of PCLs. A contaminant linkage comprises of three key components:
- Source – a contaminant or pollutant that is in, on or under the land and that has the potential to cause harm or pollution.
 - Pathway – Current and post-development routes by which a receptor is, or could be, affected by a contaminant.
 - Receptor – Something that could be adversely affected by a contaminant, for example a person (current and proposed end users or neighbours), controlled waters and ecosystems.
- 4.3.3 The Tier 1 risk assessment has been produced with reference to the following guidance:
- ['Land contamination risk management'](#) (EA, 2021).
 - BS 10175:2011+A2:2017 'Investigation of potentially contaminated sites – Code of Practice'.
 - CIRIA C552 'Contaminated land risk assessment- a guide to good practice', 2001.
 - BS EN ISO 21365:2020 'Soil quality – Conceptual site models for potentially contaminated sites'
 - BS 8576:2013 'Guidance on investigations for ground gas – Permanent gases and Volatile Organic Compounds (VOC)'.

4.4 Source Assessment

4.4.1 The table below summarises identified sources based on the findings of the desk study. Where appropriate, further discussion has been provided in the paragraphs which follow.

Potential Sources	Contaminant(s) of concern	Detail	Viable source?
On-site sources			
Made Ground of unknown origin	Metals, polycyclic aromatic hydrocarbons (PAH), asbestos	The site has remained undeveloped in a largely urban area with several large industries in the area. The use of the site to deposit Made Ground in the past cannot be ruled out.	Y
	Permanent ground gases (CH ₄ and CO ₂)	Elevated concentrations of ground gas generated from thick Made Ground with high levels of putrescible material. Made Ground if present is unlikely to be significantly thick.	N
Worked Coal Seams	Permanent ground gases (CH ₄ , CO ₂ and CO)	6m thickness of largely cohesive superficial deposits (Devensian Till) are likely to be present and act as a vertical barrier to migration of mine gas.	N
Radon	Radon	The site is recorded as being in a Lower Probability Radon Area.	N
Aggressive ground conditions due to historical industrial activities	Acids	The risk of aggressive ground affecting concrete is to be considered under geotechnical investigations and has been excluded from further consideration.	N
Aggressive ground conditions due to potentially pyritic ground	Pyrite and sulphates		N
Off-site sources			
Historical infilled reservoirs immediately north	Permanent ground gases (CH ₄ and CO ₂)	Reservoirs were backfilled in 1969 and infill may contain a significant proportion of putrescible organic material.	Y
Infilled reservoirs over 100m from site	Permanent ground gases (CH ₄ and CO ₂)	All other off-site reservoirs were shown as infilled by 1955. Due to distance (>100m) and age of fill, in addition to the presence of cohesive Till in the area restricting migration, the risk of landfill gases affecting the site is considered very low.	N
Off-site historical industry (cotton, rope works, disinfectant works)	Hydrocarbons and VOCs	With the exception of Stanley Mill 80m north all industry was located >100m with migration of a contamination plume on groundwater over such a distance not anticipated.	N
Off-site pollution incident and contemporary trade directories	Hydrocarbons and VOCs	Both pollution incident and contemporary trade directories are small scale and >100m from site.	N

Table 4-1: Contamination source assessment

4.5 Receptor Assessment

4.5.1 The following table summarises the identified receptors based on current site conditions and our understanding of the proposed end use:

Receptor Category	Principal Receptor	Receptor present?	Detail
Human health	Users of the current site	Yes	Currently undeveloped land but accessible to the general public.
	End user of the developed site	Yes	Proposed residential use with private gardens.
	Construction operatives and other site investigators	Yes	Site to be developed.
	Adjacent site users and off-site members of the public	Yes	Public highway and residential properties present adjacent to site.
Controlled waters	Surface waters	No	Nearest surface water feature is located 461m northeast of the site therefore unlikely to be affected.
	Groundwater	Yes	Site over superficial Secondary A Aquifer (Glaciofluvial Deposits) and bedrock Secondary A (Pennine Lower Coal Measures).
Sensitive ecosystems and species	Current site	No	Site is not currently within, or proposed to form, a designated environmentally sensitive area (e.g. SSSI, RAMSAR, AONB, SPA, SAC).
	Developed site	No	
Property	Soft landscaping (current)	Yes	Only grass currently present on site.
	Soft landscaping (proposed)	Yes	Private gardens proposed.
	Building materials	No	Concrete classification to be assessed under the geotechnical investigation.

Table 4-2: Receptor assessment

4.6 Pathway Assessment

4.6.1 The following table summarises the generic human health pathway assessment for the site, assuming a range of contaminant sources within the underlying soils. Source-specific pathways are considered within the iCSM in subsequent report sections.

Human Health Exposure Pathway	Public Open Space	Residential land with gardens (proposed)	Construction operatives	Adjacent Site Users
Ingestion, inhalation and dermal contact with soils and dusts	✓	✓	✓	✓ (inhalation only)
Ingestion, inhalation and dermal contact with site derived dusts indoors	✗	✓	✓	✗
Ingestion of home-grown vegetables	✗	✓	✗	✗
Inhalation of vapours in outside spaces	✓	✓	✓	✓
Intrusion and inhalation of vapours indoors	✗	✓	✓	✗
Accumulation and Inhalation of ground gas in enclosed structures	✗	✓	✓	✗
Permeation into below-ground drinking water pipes	✓	✓	✗	✗

Table 4-3: Generic pathway assessment

4.6.2 The following table summarises generic pathways for the site which could be viable for the identified controlled water receptors, given our understanding of the hydrogeological model and assuming a range of contaminants in the sub-surface.

Controlled Water Exposure Pathways	Current Setting	Proposed Setting	Mechanism
Site characteristics			
Leaching via infiltration through unsurfaced areas, and surface run-off	✓	✓	Mobilisation
Leaching via infiltration through cracks/joints in hardstanding areas and drainage infrastructure	✓	✓	Mobilisation
Leaching via saturation from groundwater flooding and shallow/perched groundwater bodies	✓	✓	Mobilisation
Infiltration through sustainable drainage systems	✗	?	Mobilisation
Preferential lateral pathways (e.g. underground services)	✗	✓	Migration
Preferential vertical pathways (e.g. piling, vibro-stone columns)	✗	?	Migration
Hydrogeological characteristics			
Vertical migration through permeable strata into shallow aquifers and perched groundwater bodies	✓	✓	Migration
Vertical migration through permeable strata into sensitive aquifers at depth	✗	✗	Migration
Lateral migration within shallow and perched groundwater bodies into surface waters	✗	✗	Migration

Table 4-4: Generic pathway assessment

4.7 Initial Conceptual Site Model (iCSM)

4.7.1 The table below presents our approach to the assessment of risks associated with PCLs. The categories below are based upon the definitions within CIRIA C552 (2001), with the addition of a 'negligible likelihood' scenario, which is to be used where there is no realistic scenario in which harm could occur.

4.7.2 The initial conceptual site model (iCSM) is presented within the following tables overleaf.

		Consequence of harm			
		Severe	Medium	Mild	Minor
Probability of harm	High likelihood	Risk: Very high (high – severe)	Risk: High (high – medium)	Risk: Moderate (high – mild)	Risk: Moderate/Low (high – minor)
	Likely	Risk: High (likely – severe)	Risk: Moderate (likely – medium)	Risk: Moderate/Low (likely – mild)	Risk: Low (likely – minor)
	Low Likelihood	Risk: Moderate (low – severe)	Risk: Moderate/Low (low – medium)	Risk: Low (low – mild)	Risk: Very low (low – minor)
	Unlikely	Risk: Moderate/Low (unlikely – severe)	Risk: Low (unlikely – medium)	Risk: Very low (unlikely – mild)	Risk: Very low (unlikely – minor)
	Negligible Likelihood	Risk: Low (negligible – severe)	Risk: Very Low (negligible – medium)	Risk: Very Low (negligible – mild)	Risk: Negligible (negligible – minor)

Table 4-5: iCSM Risk Ratings

RECEPTOR: PROPOSED END USERS				
Potential Source	Contaminants of Concern	Pathway	Tier 1 Risk Assessment (probability of harm x consequence)	Discussion
Made Ground of unknown origin, including contamination from adjacent historical industrial/commercial activities	Metals, PAHs, TPH, phenol	Ingestion, inhalation and contact with soils, dusts and vapours	Risk: Moderate/Low (low – medium)	Elevated levels of inorganic and organic contaminants could be present in any deposits Made Ground from nearby industrial sites, however significant quantities of Made Ground not anticipated.
Asbestos fibres and ACMs contained within Made Ground	Asbestos	Inhalation of dusts	Risk: Moderate/Low (low – medium)	Asbestos could be present in uncontrolled demolition material within the Made Ground deposited on site from nearby industry.
Off-site: Backfilled reservoirs immediately north	Permanent Ground Gases (CH ₄ & CO ₂)	Lateral migration through the sub-surface into enclosed spaces	Risk: Moderate (low – severe)	The historical reservoirs may have been infilled with organic rich materials. Infilling occurred over 50 years ago and therefore generation of large volumes of landfill is not anticipated. However due to proximity of the infilled ground to the site the migration of lower, but still potentially hazardous, volumes of ground gas cannot be discounted.

Table 4-6: iCSM – Proposed End Users

RECEPTOR: CONSTRUCTION WORKERS				
Potential Source	Contaminants of Concern	Pathway	Tier 1 Risk Assessment (probability of harm x consequence)	Discussion
Made Ground	Asbestos fibres and ACMs	Inhalation of dusts	Risk: Moderate/Low (low – medium)	If present, asbestos in soils can present an acute risk to construction workers, particularly during the enabling works phases. Very low and trace concentrations often pose a low risk if appropriate controls are put in place.
All other contamination sources, excluding asbestos	Metals, PAHs, TPHs	Ingestion, inhalation and contact with soils, dusts and vapours	Risk: Low (low – mild)	No gross contamination of high-risk contaminants anticipated (e.g. cyanide, benzene, and vinyl chloride). Standard PPE and hygiene protocols for working on brownfield sites are likely to be sufficient to the mitigate risk.
Unexploded Ordnance	UXO	Direct contact / explosion	Risk: Moderate/Low (unlikely – severe)	The Preliminary Risk Assessment indicates a low risk of encountering UXO during ground investigation works; however, the review does not specifically cover the construction phase and development of the site. A project specific risk assessment should be undertaken, to be completed by a specialist.

Table 4-7: iCSM – Acute Exposure to Construction Workers

RECEPTOR: ADJACENT SITE USERS FOLLOWING COMPLETION

Potential Source	Contaminants of Concern	Pathway	Tier 1 Risk Assessment (probability of harm x consequence)	Discussion
All identified potential contaminant sources	Metals, PAHs, TPH, (S)VOCs, Asbestos	Ingestion, inhalation and contact with soils, dusts and vapours	Risk: Low (unlikely – medium)	Based on the exposure pathways that would be present from the developed site, and on the anticipated levels of contamination, it is considered unlikely that a pollutant linkage could pose an unacceptable risk to off-site receptors.

Table 4-8: iCSM – Chronic Exposure to Adjacent Site Users

RECEPTOR: ADJACENT SITE USERS DURING THE CONSTRUCTION PHASE

Potential Source	Contaminants of Concern	Pathway	Tier 1 Risk Assessment (probability of harm x consequence)	Discussion
Asbestos fibres and ACMs within the Made Ground	Asbestos	Inhalation of dusts	Risk: Moderate/Low (low – medium)	Potential risk associated with generation of air-borne asbestos fibres and dust during construction main earthworks phase. Whilst there is a low likelihood of harm occurring due to the effect of fresh-air dilution, the risk cannot be discounted at this stage.
All other potential contaminant sources	Metals, PAHs, TPH	Ingestion, inhalation and contact with soils, dusts and vapours	Risk: Low (unlikely – medium))	Unlikely to pose a viable risk to off-site receptors.

Table 4-9: iCSM – Acute Exposure to Adjacent Site Users

RECEPTOR: PROPOSED PLANTING

Potential Source	Contaminants of Concern	Pathway	Tier 1 Risk Assessment (probability of harm x consequence)	Discussion
Contaminants within topsoil and the shallow sub-surface	Metals, pH and inorganics	Direct contact and root uptake	Risk: Very low (low – minor)	Topsoil and shallow soils may have been impacted by the deposition of lead and other contaminants due to the site's location in an urban environment. Elevated levels of phytotoxic contaminants may be present; however following our site reconnaissance, significant barren areas, signs of poor growth, or evidence of significant vegetative stress was not identified.

Table 4-10: iCSM – Phytotoxic Risk to Proposed Planting Scheme

RECEPTOR: CONTROLLED WATERS				
Potential Source	Contaminants of Concern	Pathway	Tier 1 Risk Assessment (probability of harm x consequence)	Discussion
All potential contaminant sources identified	Various	Leaching and vertical migration (Groundwater)	Risk: Low (unlikely – medium)	Significant quantities of Made Ground are not anticipated and the site has never been developed. Thus, generation of large volumes of hazardous leachates is considered to be low. In addition, largely cohesive glacial soils in the area will restrict vertical migration into shallow groundwater some 4m below surface.

Table 4-11: iCSM – Controlled Waters Risk

4.7.3 The risk to identified receptors from the proposed developments under the planning regime are assessed under a ‘minimal risk’ approach. Whereas, the risk to receptors under the current and continued use of the site is dealt with under the regulatory framework of the Part IIA regime, where Soiltechnics consider if there is a reasonable chance of a ‘significant potential of significant harm’ (SPOSH) occurring. This is not equivalent to a due diligence assessment for the continued use of the site to aid in determining potential contaminated land liabilities or land valuations.

4.7.4 The following table sets out the risk to current users considering a SPOSH approach:

Receptor	Potential Source	Contaminants of Concern	Pathway	Preliminary Assessment: Is their reasonable evidence of SPOSH?	Discussion
Human Health (Current and adjacent site users)	All potential contaminant sources identified above	Various Contaminants	Inhalation, ingestion and contact with soils, dusts and vapours.	No	Whilst potential contamination sources have been identified, Soiltechnics have not encountered any evidence which indicates there could be a significant possibility of significant harm to human health occurring from contamination on site.
Controlled Waters (Surface water and groundwater)	All potential contaminant sources identified above	Various Contaminants	Mobilisation and migration	No	Whilst potential contamination sources have been identified, Soiltechnics have not encountered any evidence which indicates there could be a significant possibility of significant harm to controlled waters occurring from contamination on site.
Ecosystems	All potential contaminant sources identified above	Various Contaminants	Direct contact and root uptake	No	The site does not fall within a relevant designation for environmentally sensitive land (e.g. SSSI, NRA, Ramsar). The site falls within a SSSI area; however, a precursory review of aerial and street view imagery does not show any significant barren areas, signs of poor growth, or significant vegetative stress.

Receptor	Potential Source	Contaminants of Concern	Pathway	Preliminary Assessment: Is their reasonable evidence of SPOSH?	Discussion
Property	All potential contaminant sources identified above	Various Contaminants	Various pathways	No	Through undertaking the desk study, no evidence of potentially significant harm occurring to property has been identified.

Table 4-12: iCSM – Current Site Risks (Part IIA)

4.8 Preliminary Risk Assessment Conclusions and Recommendations

- 4.8.1 In summary, the PRA has not highlighted any potential contaminant linkages (PCL) which could pose a significant possibility of significant harm under the current land use. In terms of the proposed development scheme, a minimal risk approach applies, and PCLs have been identified which require further consideration.
- 4.8.2 In particular, the industrial heritage of the area and potential for Made Ground deposits could give rise to a wide range of contaminants. Further intrusive investigation works are recommended to further refine the assessment and to determine if any remedial measures are necessary.
- 4.8.3 The site is at a moderate risk from ground gas migration associated with an off-site area of infilled ground immediately north. It is recommended that ground gas monitoring is undertaken as part of future investigation works.
- 4.8.4 Overall, each PCL identified as posing a risk of 'Moderate/Low' or higher should be considered as part of an intrusive Tier 2 generic quantitative risk assessment (GQRA). The following table summarises the principal receptors at risk which require further investigation to support the proposed development.

Receptor Category	Principal Receptor	PCL Present Requiring Further Investigation?
Human health	Current site users	No
	Proposed site users (soils, dusts, and vapour)	Yes
	Proposed site users (permanent ground gas)	Yes
	Proposed site users (radon)	No
	Adjacent site users and off-site members of the public (during the long-term use of the site)	No
	Adjacent site users and off-site members of the public (during the construction phase)	Yes – Asbestos risk only
	Construction operatives	Yes – Asbestos risk only
Controlled waters	Surface waters	No
	Groundwater	No
Property	Soft landscaping (current)	No
	Soft landscaping (proposed)	No
	Potable infrastructure	Yes
	Building materials	To be considered by the specifier

Table 4-13: Receptors at Risk Under the Proposed Scheme

5 Ground Investigation

5.1 Objectives

- 5.1.1 The ground investigation scope and location of exploratory holes was determined by Soiltechnics Ltd, based upon our overall brief outlined in Section 1.
- 5.1.2 The objectives of the fieldwork were to:
- i) Establish ground and groundwater conditions at the site.
 - ii) Obtain samples for subsequent laboratory testing.
 - iii) Install gas and groundwater monitoring wells and undertake a programme of monitoring visits.

5.2 Fieldwork summary

5.2.1 Fieldwork was undertaken on 27th November 2023.

5.2.2 A summary of the works completed is set out in the table below, along with the location of the exploratory logs. The exploratory hole location plan is presented within Appendix A.

Exploratory Hole Logs	Method	Qty	Final Depth Range (m bgl)	Comments
Appendix B	Dynamic windowless sampling boreholes	4	5.45	WS01, WS03 to WS05 Boreholes terminated at scheduled depth.
		1	4.50	WS02 Borehole terminated due to SPT refusal

Table 5-1: Summary of fieldwork undertaken

5.2.3 All soils encountered were described in accordance with BS EN ISO 14688 “Identification and Classification of soil”.

5.3 Unexploded Ordnance (UXO)

- 5.3.1 In the absence of a UXO Risk Assessment in accordance with CIRIA C681, Soiltechnics commissioned a UXO specialist to undertake a preliminary risk review for the purpose of the ground investigation works phase only.
- 5.3.2 The review concluded that the UXO risk to the ground investigation works is low within the site boundary and therefore no special precautions were required.

5.4 Sampling

- 5.4.1 During the fieldwork, sampling of soil, rock and groundwater for geotechnical purposes has been undertaken in accordance with BS EN ISO 22475-1 “Geotechnical Investigation and testing – sampling by drilling and excavation and groundwater measurements”.
- 5.4.2 Samples collected for chemical analysis have been taken and handled in accordance with BS ISO 18400-105:2017 “Soil quality — Sampling Part 105: Packaging, transport, storage and preservation of samples”.
- 5.4.3 Various sampling and sub-sampling methodologies have been adopted as appropriate, with the primary aim of obtaining the highest quality sample class practicable.

- 5.4.4 Untested chemical and geotechnical samples will be held for a period of 4 weeks from the date of the first report issue, after which they will be disposed of.

5.5 In-situ Testing

- 5.5.1 The following table summarises the field testing carried out. The results are summarised on individual exploratory hole logs where appropriate and detailed within the Appendices indicated.

Tests	Qty	Applicable standard / guidance	Location of Results
Standard penetration test (SPT)	24	BS EN ISO 22476-3	Included within logs Detailed in Appendix D
Pocket penetrometer	22	Manufacturer's instructions	Included within logs Detailed in Appendix D
Variable head permeability	1	BS EN ISO 22282-2	Appendix E

Table 5-2: Summary of field testing undertaken

5.6 Monitoring Installations

- 5.6.1 Instrumentation installed within exploratory holes during the fieldwork are shown on the logs within Appendix B and are summarised below:

Installation type	Target Stratum	Qty	Exploratory hole ID
Combined gas and groundwater well	Glaciofluvial Deposits	3	WS01, WS03, WS05

Table 5-3: Summary of monitoring installations

5.7 Monitoring visits and groundwater sampling

- 5.7.1 A summary of the gas and groundwater spot monitoring visits undertaken is outlined in the table below. Results of the post fieldwork monitoring are presented in Appendix G.
- 5.7.2 Six ground gas monitoring visits have been undertaken over a period of 12 weeks, as recommended within the preliminary risk assessment. The table below summarises the monitoring visits.

Date	Purpose
08/12/2023	Gas and groundwater spot monitoring
21/12/2023	
08/01/2024	
18/01/2024	
01/02/2024	
16/02/2024	

Table 5-4: Summary of post fieldwork spot monitoring

5.8 Investigation Constraints

- 5.8.1 No significant constraints were encountered which limited the design of the scope of works or the undertaking of fieldworks.

6 Laboratory testing

6.1 Overview

- 6.1.1 Samples obtained from exploratory holes were sent to independent accredited laboratories for geotechnical and chemical testing.

6.2 Geotechnical Testing

- 6.2.1 The geotechnical testing schedule was prepared by Soiltechnics using a targeted and judgemental approach, based upon the scheme proposals and our initial understanding of the ground conditions.
- 6.2.2 Geotechnical laboratory test results are presented in Appendix F, and the total number of geotechnical tests undertaken is summarised below:

Qty	Test
1	Moisture content
1	Atterberg limits
2	Particle size distribution (coarse)
1	Particle size distribution (fines)
3	BRE SD1 Suite D

Table 6-1: Summary of geotechnical laboratory testing

6.3 Chemical Testing

- 6.3.1 The chemical testing schedule was prepared by Soiltechnics using a targeted and judgemental approach, based upon the initial conceptual site model and fieldwork observations. This is further elaborated on within subsequent report sections.
- 6.3.2 Chemical laboratory test results are presented in Appendix H, and the total number of chemical tests undertaken is summarised below:

Sample Type	Qty	Testing	Suite Name
Soils	5	Basic Contamination Suite [metals, cyanides, PAHs, phenol]	ST Suite 1

Table 6-2: Summary of chemical laboratory testing

7 Ground Investigation Findings

7.1 Ground Model

7.1.1 The tables below present our generalised interpretation of geological and hydrogeological conditions at the site. Unless otherwise stated in subsequent interpretive report sections, this represents the adopted ground model.

7.1.2 Further detail about the ground conditions encountered is provided in the relevant sub-sections below.

Stratum	Brief description	Top depth range (m bgl)	Adopted model top depth (m bgl)	Thickness (m)
Topsoil	Dark brown sandy clay.	G.L	G.L.	0.2 – 0.3
Made Ground (WS01 and WS02 only)	Grey sandy gravelly clay with ash, glass, plastic and brick.	0.2 - 0.25	0.20	0.15 – 0.6
Glaciofluvial Deposits	Gravelly clay and silt with sand lenses.	0.2 - 0.8	0.40	ND
	Peat (WS01 and WS02).	0.8 – 1.65	0.8 (WS01 only)	0.35 – 1.9

Table 7-1: Ground Model

7.2 Topsoil

7.2.1 Topsoil was encountered in all exploratory holes. The base of the unit was typically 0.25m BGL and varied between 0.2m and 0.3m thick.

7.3 Made Ground

7.3.1 Made Ground was recorded in the north of the site to a maximum depth of 0.8m in WS01 and 0.9m in WS02, in addition to the south of the site in WS04 to 1.3m depth. Made Ground was encountered as a dark grey sandy gravelly clay to the north, and light brown sandy gravel. Gravel comprises with bricks, glass, clinker, coal, quartz, wood, ash and plastic.

7.3.2 A photograph of the Made Ground encountered is presented below.



Figure 7-1: A photograph of the Made Ground from WS01 0.30m – 0.80m

7.4 Glaciofluvial Deposits

- 7.4.1 Glaciofluvial Deposits were present site wide with all boreholes terminating within the stratum.
- 7.4.2 The Glaciofluvial Deposits were encountered as cohesive and granular deposits, but primarily as a brown sandy silt with occasional bands of gravel and sand, however firm to stiff clays and silty sands were also encountered locally on site.
- 7.4.3 Peat was recorded in WS01 and WS02 in the north of the site between depths of 0.8-2.7m and 1.65-2.0m respectively. Very soft to soft clay/silt was encountered underlying peat in WS01 to the maximum exploratory depth of 5.45m.
- 7.4.4 A typical photograph of the Glaciofluvial Deposits and Peat encountered is presented below.



Figure 7-2: A photograph of the Glaciofluvial Deposits from WS03 from 2.0m – 5.0m depth



Figure 7-3: A photograph of the Peat observed from WS01 from 1.0m – 2.0m depth

7.5 Groundwater

7.5.1 A summary of the groundwater level data obtained during the fieldworks phase is presented below.

Exploratory hole ID	Groundwater observation
WS02	Strike at 4.5m depth, rising to 1.4m after 20 minutes
WS04	Strike at 2.3m depth, rising to 1.9m after 20 minutes

Table 7-2: Summary of groundwater observations during the fieldworks

7.5.2 A summary of the groundwater level data obtained during the monitoring phase is presented below and is detailed within Appendix G.

Targeted strata / Aquifer	Exploratory hole ID	Instrument Type(s)	Range during monitoring period
			Water depth (m bgl)
Glaciofluvial Deposits/Peat	WS01	Well	0.46 – 2.7
	WS03		0.6 – 2.95
	WS05		2.95 – 4.0. Dry on last 3No. rounds

Table 7-3: Summary of groundwater monitoring visits

7.5.3 A review of the available groundwater level data from the surrounding area (see desk study) generally concurs with the findings above. It is likely that recorded water results are consistent with pockets of perched water, where more granular deposits are present.

7.5.4 Groundwater levels are expected to vary seasonally and in response to recent weather conditions. Long term monitoring will provide a reasonable quantification of such variation.

7.6 Evidence of Possible Contamination

7.6.1 During the ground investigation works, no significant visual or olfactory evidence of contamination was noted, except for the presence of anthropogenic materials contained within the Made Ground (ash, brick, clinker-like material).

7.7 Obstructions and Instability

7.7.1 The progress of the ground investigation works was not generally affected by below ground obstructions or instability, with the exception of a likely cobble in the base of WS02.

8 Geotechnical Discussion

8.1 Scheme Overview

8.1.1 The following assessments are made on the investigatory data presented in the preceding sections of this report and are made with reference to the specific nature of the development. Should scheme proposals change then it is recommended that the validity of the conclusions of this report in relation to the revised scheme are checked.

8.1.2 It is understood that the proposed schedule of accommodation is 12No. [2-storey] units with 1No. unit for ancillary space for worker accommodation. In view of the scheme proposals, the geotechnical elements considered in this report are outlined below:

- Building foundations
- Drainage
- Floor slab

8.2 Geotechnical Category

8.2.1 In accordance with BS EN1997-1:2004 + A1:2013 (Eurocode 7), the project is designated as Geotechnical Category 2. This category includes projects with *conventional types of structures and foundations with no exceptional risk, or difficult ground or loading conditions*. Furthermore, *routine design procedures* are appropriate.

8.2.2 It should be noted that this Report does not constitute a Geotechnical Design Report (GDR) as defined in Eurocode 7. Accordingly, a GDR should be prepared by the designer during the detailed design phase

8.3 Key Geotechnical Issues

8.3.1 In view of the ground conditions, the following list summarises the key geotechnical issues that may impact the scheme and will therefore need to be appropriately managed during the lifecycle of the project:

- Low strength soils and Made Ground
- Groundwater
- Mining legacy

8.4 Low Strength and Made Ground

8.4.1 The near surface Made Ground soils are unsuitable for supporting concentrated foundation loads due to their low strength/density and or compressible nature. Accordingly, foundations should extend, as a minimum, through such deposits.

8.4.2 Compressible organic Peat deposits were encountered within WS01 between depths of 0.8-2.7m and to a lesser extent within WS02 between depths of 1.65-2.0m bgl. Additionally, very soft and soft silt/clay of the Glaciofluvial Deposits was encountered within WS01 to the base of the borehole (5.45m) and in WS03 between depths of 1.3-3.1m bgl. Accordingly, foundations should extend, as a minimum, through such deposits.

8.5 Groundwater

- 8.5.1 Groundwater was struck within WS02 and WS04 within the Glaciofluvial Deposits at depths of 4.5m and 2.3m respectively. Groundwater rose to depths between 1.4-1.9m in these holes upon completion. Groundwater has been encountered at depths of 0.6m to 4.0m during return monitoring visits. Groundwater is likely to be perched and confined to more granular lenses within the Glaciofluvial Deposits.
- 8.5.2 Groundwater levels are expected to vary seasonally and in response to weather events.
- 8.5.3 The inflow of groundwater into excavations may lead to instability and excavation collapse.

8.6 Mining Legacy

- 8.6.1 As described in Section 3, the site is located within an area that may potentially be affected by unrecorded underground coal mine workings associated with the Arley Seam and an unnamed coal seam beneath the site.
- 8.6.2 Further investigation is recommended to fully assess the potential risk of land instability to proposed foundations, particularly in light of ground conditions in the northern part of the site, which will require deeper foundations (see sections below) need to be piled to depths >5m so would require specific consideration.

8.7 Trees and Vegetation

- 8.7.1 No specific vegetation is present onsite, however there are some mature trees present immediately adjacent to the site beyond Hornbby Street to the east. Such vegetation may impact upon the foundation design depth. It is recommended that a suitably qualified arboriculturist is appointed to undertake a survey such that building foundations can be designed appropriately. The survey should include the location, species, height (and mature height) and water demand of each tree and major vegetation.
- 8.7.2 Any future planting schemes should consider the effect that the new trees could have on foundations when they reach maturity.

8.8 Building Foundation Strategy

- 8.8.1 In view of the key geotechnical issues discussed above and anticipated loadings the following foundation types are considered suitable for the project;
- Spread foundations
 - Piles
 - Ground improvement

8.9 Geotechnical Parameters

8.9.1 Characteristic values of geotechnical parameters have been derived, in accordance with Eurocode 7. The following tables present the recommended characteristic values for the strata encountered:

Variable	Characteristic value	Derivation
Weight density above water table, γ_b (kN/m ³)	16	BS8004:2015 Figure 1
Weight density below water table, γ_{sat} (kN/m ³)	18	BS8004:2015 Figure 2
Undrained shear strength, c_u (kN/m ²)	50	In situ testing
Undrained deformation modulus, E_u (MN/m ²)	25	$E_u/c_u = 500$ from Jamiolkowski et al (1979)

Table 8-1: Summary of characteristic geotechnical parameters – Glaciofluvial deposits (cohesive)

8.10 Spread Foundations

8.10.1 The soils underlying the proposed foundations are of low volume change potential when classified in accordance with NHBC Standards, Chapter 4.2. Accordingly, and in isolation of other considerations affecting foundation depth, foundations should be founded at a minimum depth of 0.75m BGL to penetrate the zone of shrinkage and swelling caused by seasonal wetting and drying.

8.10.2 Made Ground and very soft to soft compressible natural deposits (including Peat) were encountered across the north and central parts of the site, with spread foundations unsuitable within the upper 5.45m in the area of WS01, 2.0m in WS02 and 3.1m in WS03. As a result, it is recommended that foundations in the north of the site (i.e. north of WS04) are supported by a piled solution, or appropriate ground improvement adopted (specialist input would be required to determine feasibility of the latter).

8.10.3 In addition, given the nature of the development i.e. terraced block of dwellings, use of differing foundation solutions across the structure is unlikely to be viable. Differing levels of total settlement is likely to occur in such instances between foundations, which could lead to excessive levels of different settlement occurring, beyond the capacity of the superstructure. If the block is appropriately divided between the southern part of the site, and the central and northern part of the site, differing foundation solutions could be adopted in such instances.

8.10.4 In the south of the site (WS04 and WS05), all foundations should extend through Made Ground and into the underlying competent Glaciofluvial Deposits by a minimum of 0.3m. Based on the considerations outlined above, it is anticipated that spread foundations in the south of the site will be a minimum 0.75m deep, but potentially reaching depths of 1.6m in the area of WS04 where Made Ground is present.

8.10.5 Ultimate limit state analyses (bearing capacity) have been undertaken in accordance with the approach outlined in Annex D of Eurocode 7 to derive the following design bearing resistances:

Type	Size / width (m)	Founding depth (m BGL)	Founding stratum	Bearing resistance	
				Combination 1	Combination 2
Strip	0.45	0.75	Glaciofluvial Deposits	270kNm ²	195kNm ²
	0.6			270kNm ²	195kNm ²
	0.9			275kNm ²	200kNm ²

Table 8-2: Summary of foundation ultimate limit state analyses (spread foundations)

- 8.10.6 Serviceability limit state (SLS) has been assessed by undertaking settlement analyses in accordance with the approach outlined in Annex F of Eurocode 7 and adopting the following variables:

Stratum	Variable	Value adopted	Derivation
Glaciofluvial Deposits	Coefficient of volume compressibility, mv (m^2/MN)	0.3	Literature Correlation with SPT N Value
	Geological factor, μ_g	0.7	Literature

Table 8-3: Key geotechnical variables used in settlement analyses

- 8.10.7 The proposed loads are not known at this stage. Accordingly, the maximum bearing pressures have derived to ensure settlement is less than 25mm, which is typically adopted as a maximum tolerable limit. The following table summarises the results.

Foundation type	Width (m)	SLS bearing resistance
Strip	0.45	195kNm ²
	0.6	155kNm ²
	0.9	105kNm ²

Table 8-4: SLS bearing resistance to ensure total settlement to <25mm

- 8.10.8 It should be noted that foundation design is iterative. Accordingly, a final check of ultimate and serviceability limit states should be undertaken following confirmation of foundation size and loads.

8.11 Piled Foundations

- 8.11.1 It is likely that in the north and central parts of the site (i.e. vicinity of WS01, WS02 and WS03) piled foundations will need to be adopted due to the depth of unsuitable natural deposits as outlined in Section 8.4 and 8.10.

- 8.11.2 It is recommended the type, design and installation of the piles are determined by a specialist piling contractor who has experience in pile installation in these or similar ground conditions and may be able to interpret the observed ground conditions in a different and potentially more beneficial manner. It is likely that if piled foundations are adopted, a further ground investigation comprising of deeper boreholes will be required on site to establish design parameters ahead of construction. This can be completed in conjunction with the coal mining investigations as recommended in Section 3.6.

8.12 Ground Improvement

- 8.12.1 Ground improvement is typically associated with increasing the strength and stiffness of the ground, thereby leading to increased bearing capacity and lower settlement. This has the consequential benefit that foundation designs can be leaner, economical and more sustainable.

- 8.12.2 There are many techniques associated with ground improvement and consultation with specialist contractors should be undertaken. The following table summarises the common techniques adopted and the relative advantages and disadvantages of each:

Technique	Overview	Advantages	Disadvantages
Dynamic compaction	Repeated dropping of large weights (10-20t) from a notable height (e.g. 10-20m).	Tried and tested technique. Can compact circa 5-6m.	Unsuitable for clayey soils. Induces notable ground vibration.

Technique	Overview	Advantages	Disadvantages
Vibro-compaction	Insertion of a poker into the ground which vibrates leading to settlement of overlying fill.	Densifies granular soils. Reduces risk of liquefaction and collapse settlement.	Unsuitable in clay soils Induces vibration.
Surcharging	Application of additional load to induce settlement before main construction phase.	Effects the soil uniformly. Applicable to all soil types.	Time consuming (weeks and month) but can be sped up through inclusion of vertical drains. Volume of surcharge material removed needs a receptor.
Controlled modulus columns	Installation of low strength concrete columns.	Effective up to tens of metres. Alternative option to driven piles.	Tight spacing required in very soft soils.
Soil mixing	A stabilising agent is (typically lime / cement) is mixed with the in situ soils to lower the water content	Effective up to 20m Can render unacceptable materials acceptable for use in earthworks.	Unsuitable in sulphide rich material due to formation of ettringite and consequential heave.
Grouting	Cement or polymer based grout is injected into the ground.	Minimal surface footprint required – can repair existing problems in situ.	Less suitable in clayey soils.
Excavate and recompact	Excavate existing soft deposits, condition if required (dry out) and place back in compacted layers.	Straightforward with no specialist plant required	Can be time consuming as material is conditioned.

Table 8-5: Summary of common ground improvement techniques

8.13 Residential Ground Floor Construction

- 8.13.1 Ground bearing floor slabs can be adopted where they are remote from trees and where Made Ground and Topsoil deposits are fully removed within the footprint of the building. Following completion of excavations to formation levels it is recommended that the formation is proof rolled to identify any soft areas, which if encountered should be excavated and replaced with suitably compacted engineered fill. It is further recommended that a layer of durable, well graded compacted granular material be placed prior to construction of the floor slabs.
- 8.13.2 In view of the variable thickness of Made Ground across the site, and the nature of the development, it is likely that a suspended ground floor will be required.

8.14 Aggressiveness of the Ground to Buried Concrete

- 8.14.1 The aggressiveness of the ground with respect to buried concrete has been assessed in accordance with Building Research Establishment Special Digest 1: Concrete in Aggressive Ground Third Edition (2005).
- 8.14.2 The site is interpreted to be a brownfield site where pyrite is likely to be present.
- 8.14.3 The classification of the strata is tabulated below:

Stratum	Disturbed / Undisturbed	Design sulphate class	Aggressive chemical environment for concrete class
Made Ground	Disturbed	DS-1s	AC-1s
Glaciofluvial Deposits	Undisturbed	DS-1	AC-1

Table 8-6: Summary of the aggressiveness of the ground to buried concrete

- 8.14.4 It should be noted that where concrete is in contact with more than one soil type then the most onerous DS and ACEC classification should be adopted.

8.15 Drainage

- 8.15.1 In situ permeability testing has been undertaken at the site in accordance with BS EN ISO 22282 Geotechnical investigation and testing – Geohydraulic testing (2012). The results are presented as Appendix E and summarised below:

Exploratory hole ID	Stratum tested	Permeability (m/s)
WS03 (Cycle 1)	Glaciofluvial Deposits	4.87×10^{-7}
WS03 (Cycle 2)		3.48×10^{-7}
WS03 (Cycle 3)		2.03×10^{-7}

Table 8-7: Summary of in situ permeability test results in accordance with BS EN ISO 22282

- 8.15.2 It should be noted that infiltration testing in boreholes uses notably less water than tests undertaken within soakaway trial pits. Accordingly, results should be considered as an indication of the potential viability of soakaways. However, given the very low permeability indicated from preliminary testing it is considered highly unlikely that shallow soakaway type systems will be feasible for the site.
- 8.15.3 Consideration should be given to connection to existing drainage infrastructure in the adjacent highways. Consultation with the local water authority (United Utilities) is recommended in the first instance.

8.16 Suitability For Material Re-use

- 8.16.1 Significant earthworks are not anticipated to be required at the site. Soils excavated at the site are likely to be suitable for re-use as a general bulk fill, subject to water content (given the silty nature of soils). It is recommended that the soils are classified and compacted in accordance with the Specification for Highway Works Series 600.

8.17 Constructability

- 8.17.1 Under most standard contracts it is the responsibility of the Contractor to design, construct and maintain temporary works. Accordingly, the following discussion is provided for information only.
- 8.17.2 Groundwater is anticipated to be encountered during excavations to form spread foundations. Flow rates are anticipated to be relatively minor but still may cause instability of the excavation sides. It is possible that groundwater can be controlled via conventional sump pumping techniques. It is likely that dewatering will be required to control groundwater and therefore maintain stability of the excavation.
- 8.17.3 In the event that a soft area is located in the course of foundation excavations then excavation should continue to locate stiffer / denser soils.
- 8.17.4 It is recommended that foundation concrete be poured as soon as practicable after excavation to prevent deterioration of the formation.
- 8.17.5 It is difficult to predict the stability of service trench sides from borehole investigations. In general there is a risk of some over break/instability in the Made Ground and more granular strata. On this basis the risk of significant instability is considered to be low / moderate.

8.17.6 Other items to consider in constructability:

- Obstructions for piling (if adopted)
- Spatial constraints
- Sequencing of construction

9 Tier 2 Generic Quantitative Risk Assessment

9.1 Objectives

9.1.1 The objective of this generic quantitative risk assessment (GQRA) is to further assess the potential contaminant linkages (PCLs) identified by the preliminary risk assessment using the following:

- The findings of the intrusive site investigation and resulting site specific ground and hydrogeological model.
- Laboratory analysis of soils and groundwater.
- Monitoring of ground gases and vapours.

9.2 Fieldwork Observations

9.2.1 Fieldwork observations on the potential for contamination and the underlying ground conditions did not identify any new contaminant sources or significant pathway alterations to the anticipated ground model. Therefore, no PCL additions or amendments are required to be made to the CSM at this stage.

9.3 Laboratory Testing Rationale

9.3.1 Laboratory testing has been scheduled by targeting potential contaminant linkages identified within the iCSM and observations made during fieldworks. The sampling and testing strategy is based on a judgemental approach.

9.3.2 The testing of the general Made Ground/Topsoil deposits was undertaken across various locations to gain spatial coverage over the site and to characterise the strata encountered. Testing included a broad suite of analysis due to the potential for unknown contamination to be present.

9.4 Generic Assessment Criteria

9.4.1 Assessment of laboratory test data has been carried out using published generic assessment criteria (GACs). The GACs act as screening values to provide a 'trigger' to an assessor that soil concentrations above these limits might present an unacceptable risk.

9.4.2 Various GAC sources are used within this report. Key assumptions are made in the derivation of screening values in regard to their use and application, and exposure modelling is based on precautionary national scenarios. This generic approach can result in an overly conservative assessment; therefore, the assessor is required to review the outcome of the GQRA screening in the context of the site specific CSM and identified potential contaminant linkages.

9.4.3 Asbestos does not currently have published GACs which can be used for generic assessment purposes, at this stage a present / absent trigger limit has been adopted.

9.4.4 Specific details regarding the published GAC sources chosen and any parameter refinements made are summarised within Appendix I, along with the order of preference where multiple GAC sources are available. The exposure models adopted are discussed in the relevant sections below.

9.5 Human Health GQRA (soils and vapour)

9.5.1 The results of the human health screening assessment for soils and vapours are detailed in Appendix I. The following table outlines the exposure models adopted, along with summarising the outcome of each screening assessment.

Receptor	Exposure Model	Outcome
All human health receptors	Presence of asbestos	No suspected ACMs observed during fieldworks. No fibres detected through laboratory analysis.
Proposed users	Residential without plant uptake	1 sample showing 1 PAH exceedance (dibenz(a,h)anthracene). 4 out of 5 samples showing exceedances of lead.
Construction operatives	Acute occupational exposure (assumed no PPE worn)	No exceedances.
Adjacent site users and the public	Acute off-site public exposure during construction phase	No exceedances.

Table 9-1: Human health GQRA models and outcomes

9.5.2 The table below summarises the instances where contaminants have exceeded the generic screening criteria.

Receptor	Strata	Contaminant	Locations & Depths	Test Result / Range (mg/kg)	GAC (mg/kg)
Proposed users	Topsoil	Dibenzo(a,h)anthracene	WS05 0.1-0.2m	0.43	0.24
Proposed users	Topsoil	Lead	WS05 0.1 - 0.2m	360	310
Proposed users	Made Ground	Lead	WS01 0.3 - 0.7m WS02 0.3 – 0.6m WS04 0.4 - 0.8m	1,200 - 3,900	310

Table 9-2: Human health GQRA exceedances

9.6 Proposed Site Users Risk Assessment (soils and vapour)

- 9.6.1 Analysis indicates exceedances in concentrations of lead in Made Ground (and 1 No. exceedance in topsoil) across the site. One very marginal exceedance of dibenz(a,h)anthracene (0.43 mg/kg compared to a GAC of 0.31 mg/kg) was also recorded within a topsoil sample from WS05.
- 9.6.2 As the proposed development is to remain entirely covered in buildings and hardstanding upon completion, with limited areas of vegetation contained in small above ground planters along Hornby Street, all dermal contact, ingestion and inhalation of dust pathways will effectively be severed, with the inhalation of vapours remaining the only viable pathway.
- 9.6.3 Lead will not generate vapour and therefore all PCL linkages from lead are effectively severed and no further risk to human health remains.
- 9.6.4 Dibenz(a,h)anthracene is a hydrocarbon and as such is capable of producing vapours, however, given the very low concentrations and marginal nature of the GAC exceedance (which includes dermal/inhalation pathways in the exposure modelling), significant vapour generation sufficient to harm human health is not expected.

- 9.6.5 All reported concentrations of all other contaminants are below the relevant generic assessment criteria for human health receptors. In addition, the fieldwork observations did not detect areas of suspected contamination which require further assessment, and the overall coverage of the site is considered to have adequately targeted the PCLs identified within the iCSM. Overall, no relevant contaminant linkages have been identified.

9.7 Construction Workers Risk Assessment

- 9.7.1 Analysis indicates that contaminant levels do not pose an acute risk to construction workers. In general, standard PPE and hygiene protocols for working on brownfield sites is considered adequate to mitigate against the potential risk from contaminants on site, and no special precautions are required.

9.8 Adjacent Site Users Risk Assessment

- 9.8.1 Based upon the laboratory results and our understanding of the site, there is not considered to be an unacceptable level of risk to adjacent site users, both during construction and following completion of the development.

9.9 Controlled Waters Risk Assessment

- 9.9.1 No groundwater analysis has been undertaken on the site as only perched groundwater was recorded in the maximum depth of the investigation (5.45m).
- 9.9.2 It is understood that the site will be entirely covered in positively drained hardstanding upon completion and therefore the potential for leachate generation (particularly compared to current land usage (grassed public open space) will be negligible.
- 9.9.3 Additionally due to the low permeability of underlying superficial soils recorded to date and relatively low levels of contamination observed through field observations and total soil testing, Soiltechnics are of the opinion that the site does not pose an unacceptable level of risk to controlled waters.

9.10 Ground Gas Monitoring Rationale

- 9.10.1 Ground gas sources which were identified in the iCSM as potentially posing an unacceptable risk to development were as follows:
- Off-site backfilled reservoir (adjacent to the north of site)
 - Potential worked coal seams at shallow depth
- 9.10.2 3 No. gas monitoring wells were installed at the site, and a total of 6 No. visits have been undertaken over a period of 12 weeks.
- 9.10.3 All gas monitoring wells were installed within the natural Glaciofluvial Deposits at varying distances from the off-site reservoir to measure ground gas concentrations gradients across the site should they exist.

9.11 Ground Gas Monitoring Results

- 9.11.1 A summary of the gas monitoring results follows, with the full results detailed within Appendix G.
- Gas flow rates were detected from 0.1 - 0.7l/hr.

- Steady concentrations of methane were recorded at or below the limit of detection of 0.1%, with maximum concentrations of 0.2% recorded.
- Concentrations of carbon dioxide were in the range of 0.5% to 3.9%.
- Steady concentrations of oxygen were marginally depleted within WS01 on one occasion (08/12/23), down to a concentration of 14.6%.
- Of the 18No. sets of data collected to date, 3No. were captured from a flooded wells (WS03 first visit, WS01 fifth and sixth visit).
- Three of the six rounds were undertaken during low atmospheric pressure conditions (<1,000 mbar) therefore worst case conditions should have been captured.

9.12 Updated Ground Gas Risk Assessment

- 9.12.1 The absence of significant methane or carbon dioxide indicates that there is no significant migration of ground gases occurring from the nearby backfilled reservoir or potentially from underlying worked shallow coal seams (albeit the risk of the latter occurring is considered to be low given the amount of low permeability cohesive superficial strata at the site).
- 9.12.2 Due to the absence of a significant actively generating ground gas source and open migration pathway, as well as the low ground gas concentrations/flow rates, it is considered very unlikely that ground gases could migrate into the proposed structures on site at sufficient speed and volume to pose any viable risk.
- 9.12.3 A NHBC 'Green' traffic light/CS-1 scenario classification applies to the site and no ground gas protection measures are deemed necessary in new buildings.

9.13 Risks to Soft Landscaping Vegetation

- 9.13.1 Given landscaping is not proposed based on development proposals (refer to Appendix A), only above ground planters, risks to vegetation are not considered further.

9.14 Water Supply Pipes

- 9.14.1 A full site investigation as set out in the UK Water Industry Research (UKWIR) document '*Guidance for the selection of Water supply pipes to be used in Brownfield sites*' has not been undertaken.
- 9.14.2 The UKWIR document advises a trigger concentration of 0.125mg/kg for the 'extended VOC (volatile organic compounds) suite', which includes the PAH (polycyclic aromatic hydrocarbons) suite that has been included in the soil analysis during this investigation.
- 9.14.3 The maximum summed concentration of PAH congeners from individual samples obtained from the site at likely pipe depths (0.50m to 1.50m bgl) exceeds the trigger concentration of 0.125mg/kg in 3 out of 3 samples, and on this basis the installation of protective barrier-pipes in below ground water infrastructure is recommended as a precaution, unless service trenches are over-dug and backfilled with suitable clean materials.
- 9.14.4 In all instances, it is advised to consult the water company for advice to determine if protective pipe is necessary or if further assessment and investigation works are warranted. Irrespective of the assessment made here, water companies may insist on barrier pipe being installed. Once the initial consultation has taken place, Soiltechnics can support you in any further assessments that may be required.

9.15 Updated Conceptual Site Model (uCSM)

9.15.1 Following on from the discussions above, an updated conceptual site model has been tabulated overleaf.

9.15.2 The table below presents our approach to the assessment of risks associated with potential contaminant linkages. The categories are based upon the definitions within CIRIA C552 (2001), with the addition of a 'negligible likelihood' scenario, which is to be used where there is no realistic scenario in which harm could occur.

		Consequence of harm			
		Severe	Medium	Mild	Minor
Probability of harm	High likelihood	Risk: Very high (high – severe)	Risk: High (high – medium)	Risk: Moderate (high – mild)	Risk: Moderate/Low (high – minor)
	Likely	Risk: High (likely – severe)	Risk: Moderate (likely – medium)	Risk: Moderate/Low (likely – mild)	Risk: Low (likely – minor)
	Low Likelihood	Risk: Moderate (low – severe)	Risk: Moderate/Low (low – medium)	Risk: Low (low – mild)	Risk: Very low (low – minor)
	Unlikely	Risk: Moderate/Low (unlikely – severe)	Risk: Low (unlikely – medium)	Risk: Very low (unlikely – mild)	Risk: Very low (unlikely – minor)
	Negligible Likelihood	Risk: Low (negligible– severe)	Risk: Very Low (negligible– medium)	Risk: Very Low (negligible– mild)	Risk: Negligible (negligible– minor)

Table 9-3: CSM Risk Ratings

RECEPTOR: PROPOSED END USERS				
Potential Source	Contaminants of Concern	Pathway	Tier 1 Risk Assessment (probability of harm x consequence)	Discussion
Made Ground of unknown origin, including contamination from adjacent historical industrial/commercial activities	Metals, PAHs, TPH, phenol	Ingestion, inhalation and contact with soils, dusts and vapours	Risk: Low (low – mild)	Elevated levels of inorganic and organic contaminants have been recorded however given the development is to be covered in hardstanding all PCL are effectively severed, and the risk of significant vapour generation from elevated dibenz(a,h)anthracene is considered to be low.
Asbestos fibres and ACMs contained within Made Ground	Asbestos	Inhalation of dusts	Risk: Low (low – mild)	No asbestos was recorded in the 5 shallow samples analysed. Given the development is to be covered in hardstanding all PCL are effectively severed.
Off-site: Backfilled reservoirs immediately north	Permanent Ground Gases (CH ₄ & CO ₂)	Lateral migration through the sub-surface into enclosed spaces	Risk: Low (negligible – severe)	Ground gas monitoring has not recorded elevated concentrations of methane or carbon dioxide and a 'Green' NHBC Traffic Light/CS-1 designation is recommended. No ground gas protection measures are considered necessary in new buildings.

Table 9-4: uCSM – Proposed End Users

RECEPTOR: CONSTRUCTION WORKERS				
Potential Source	Contaminants of Concern	Pathway	Tier 1 Risk Assessment (probability of harm x consequence)	Discussion
Made Ground	Asbestos fibres and ACMs	Inhalation of dusts	Risk: Low (low – mild)	No asbestos was recorded in the 5 shallow samples analysed. Very low and trace concentrations often pose a low risk if appropriate controls are put in place.
All other contamination sources, excluding asbestos	Metals, PAHs, TPHs	Ingestion, inhalation and contact with soils, dusts and vapours	Risk: Low (low – mild)	No gross contamination of high-risk contaminants anticipated (e.g. cyanide, benzene, and vinyl chloride). Standard PPE and hygiene protocols for working on brownfield sites are likely to be sufficient to the mitigate risk.
Unexploded Ordnance	UXO	Direct contact / explosion	Risk: Moderate/Low (unlikely – severe)	The Preliminary Risk Assessment indicates a low risk of encountering UXO during ground investigation works; however, the review does not specifically cover the construction phase and development of the site. A project specific risk assessment should be undertaken, to be completed by a specialist.

Table 9-5: uCSM – Acute Exposure to Construction Workers

RECEPTOR: ADJACENT SITE USERS DURING THE CONSTRUCTION PHASE				
Potential Source	Contaminants of Concern	Pathway	Tier 1 Risk Assessment (probability of harm x consequence)	Discussion
Asbestos fibres and ACMs within the Made Ground	Asbestos	Inhalation of dusts	Risk: Low (low – medium)	No asbestos was recorded in the 5 shallow samples analysed.
All other potential contaminant sources	Metals, PAHs, TPH	Ingestion, inhalation and contact with soils, dusts and vapours	Risk: Low (unlikely – medium)	Unlikely to pose a viable risk to off-site receptors.

Table 9-6: uCSM – Chronic Exposure to Adjacent Site Users

RECEPTOR: CONTROLLED WATERS				
Potential Source	Contaminants of Concern	Pathway	Tier 1 Risk Assessment (probability of harm x consequence)	Discussion
All potential contaminant sources identified	Various	Leaching and vertical migration (Groundwater)	Risk: Low (unlikely – medium)	Significant quantities of Made Ground have not been recorded and proposed development will cover site in drained hardstanding, severely limiting leachate generation. In addition, largely cohesive glacial soils in the area will restrict vertical migration into groundwater.

Table 9-7: uCSM – Controlled Waters Risk

9.16 Risk Assessment Conclusions

- 9.16.1 Based on the updated CSM, no potential contaminant linkages have been identified above the low-risk threshold.
- 9.16.2 The following items are considered to be outside the formal scope of a Remediation Strategy and subsequent verification works, and must be controlled by the developer and their Principal Contractor. It will be their responsibility to satisfy the appropriate regulatory bodies that mitigation works have been carried out appropriately.
- The installation of protective barrier pipe for potable infrastructure.
 - Production of preliminary UXO Risk Assessment for the construction phase.

9.17 Unexpected and Previously Unencountered Contamination

- 9.17.1 With the development of any site, there is a residual risk of contamination being found that is unexpected or has not been encountered during investigation or other siteworks.
- 9.17.2 Should any previously unencountered and unexpected contamination be encountered, works should be temporarily halted and Soiltechnics informed. The Consultant should then assess the situation to determine what remedial action is required and inform the Local Authority at the earliest opportunity.
- 9.17.3 It is often a requirement of Local Authority planning conditions that the building/demolition contractor has a contamination discovery/contingency strategy in place for dealing with unexpected contamination. Soiltechnics are pleased to provide advice on such a strategy if required.

10 Soil and Waste Management

10.1 Sustainability

- 10.1.1 Where possible, disposal of soils to landfill should be avoided in preference for more sustainable alternatives. Such alternatives are set out below and rely on appropriate planning and design.
- 10.1.2 Soiltechnics can provide additional support and guidance to assist in overall material management and soil waste minimisation upon request.

10.2 Waste Hierarchy

- 10.2.1 Under the Waste Regulations, there is a requirement to apply (where reasonable) the waste management hierarchy, which is summarised below. Within the hierarchy, soil disposal to landfill should be limited to the necessary minimum.

Stage (in order of preference)	Example application
Prevention / Reduce	Design, planning, Site Waste Management Plans (SWMP).
Reuse	Reuse of soils under exemption, permit or Materials Management Plan (MMP), sorting at the point of excavation, screening of excavated material.
Recycling	Recycling aggregate, waste segregation, screening and sorting.
Recovery	Remediation works, transfer to a Soil Treatment Facility
Pre-treatment	Non-hazardous and hazardous soils do not need to be treated, where such treatment would not reduce the volume of waste.
Disposal	If the waste hierarchy steps outline above are followed, the remaining waste can be disposed of to a landfill without any further treatment.

Table 10-1: Waste management hierarchy

10.3 Liability Of Waste Management

- 10.3.1 Part III of the Finance Act was amended in 2018 to extend the scope of landfill tax to cover any site (not exclusively landfills) operating without an appropriate environmental permit, exemption, or MMP.
- 10.3.2 These changes have given HMRC the powers to work with the Environment Agency to identify non-compliant sites and pursue and penalise the person(s) illegally disposing of waste, and anyone who knowingly facilitates the disposal. This includes sites filling site-won soils which are surplus to requirement.

10.4 Materials Management

- 10.4.1 In terms of the development, where reasonably practicable, landfill disposal should be minimised through the reuse of site-won materials on site, or off-site transfer of surplus soils to other development schemes or Soil Treatment Facilities. Early consideration of the site's overall material balance at the design stage is also critical in reducing the need for off-site disposal, limiting costs, and increasing the overall sustainability of the development.
- 10.4.2 Where Made Ground soils are to be reused onsite or materials transferred between sites, a Materials Management Plan (MMP) or Waste Exemption is recommended.

- 10.4.3 The process of an MMP allows soils that are suitable for reuse and have a certainty of use to not be considered a waste, and therefore not fall under the waste regulations. This scheme is self-regulated within the industry and is supported in principle by the Environment Agency.

10.5 Further Recommendations

- 10.5.1 No waste classification of Made Ground or topsoil for off-site disposal to landfill has been undertaken at this stage. Any soils to be disposed of off-site should be subject to waste acceptance criteria (WAC) testing and waste classification assessment.

11 Recommendations for further works

- 11.1.1 No further works are recommended to progress the development through planning with respect to contaminated land.
- 11.1.2 The Principal Contractor should have a discovery strategy in place in the event of exposing unexpected or previously unencountered contamination. Soiltechnics should be informed at the earliest opportunity to undertake an assessment of the material, and to inform the Local Authority as appropriate.
- 11.1.3 There is a residual risk to the future development from ground instability caused by potential unrecorded shallow coal workings associated with the Arley seam and an unnamed coal seam. A series of deeper boreholes are recommended to determine whether coal seams are present and intact, or whether voided/broken ground associated with working is present. This could be combined with an investigation to determine pile /ground improvement design criteria in the central/north of the site to assist in foundation design.
- 11.1.4 The following table summarises the additional works which should be undertaken prior to commencement of any construction works and in support of the planning conditions.

Aspect	Delivered By	Description	Necessity
Discovery Strategy	Principal Contractor	The Principal Contractor should have a discovery strategy in place in the event of exposing unexpected or previously unencountered contamination. Soiltechnics should be informed at the earliest opportunity to undertake an assessment, and to inform the Local Authority as appropriate.	REQUIRED
Intrusive CMRA and pile design investigations	Soiltechnics	A supplementary phase of intrusive works is recommended to conduct a series of deep boreholes in order to inform coal mining risk assessment and pile design (the latter if adopted).	REQUIRED
Preliminary UXO Risk Assessment Study	3 rd Party	The UXO hazard screen identified that bombing may have occurred in the vicinity of the site, therefore a Preliminary Risk Assessment should be undertaken in accordance with CIRIA C785. This must be commissioned directly with a specialist.	RECOMMENDED

Table 11-1: Recommended Further Works (Pre-Commencement)

Appendix A Drawings



Key:

Exploratory Holes

-  Windowless Sampling Borehole
-  Monitoring Well Installation
-  Infiltration Testing

Site Features

-  Site Boundary

Notes

- 1) Base image provided by Google.
- 2) All drawn features are approximate.

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Map data © 2023 Google

A	Jan 24	First issue
REV	DATE	COMMENT ON VARIATION

soiltechnics
environmental • geotechnical • building fabric

PROJECT
Hornby Street, Heywood

TITLE
Exploratory Hole Location Plan

DRAWING No.
STV6299-D01-A

Appendix B Exploratory Hole Logs: Boreholes

Key to legends

Composite materials, soils and lithology					
	Topsoil		Made Ground		Boulders
	Clay		Coal		Cobbles
	Gravel		Limestone		Mudstone
	Sand		Sandstone		Silt
					Siltstone
					Peat
					Concrete
					Chalk

Note: Composite soil types are signified by combined symbols.

Key to 'test results' and 'sampling' columns

Test result		Sampling	
Depth	Records depth that the test was carried out (i.e.: at 2.10m or between 2.10m and 2.55m)	From (m) To (m)	Records depth of sampling
Result	PP – Pocket penetrometer result reported as an equivalent undrained shear strength (kN/m ²) by applying a factor of 50.		D Disturbed sample
	SV – Hand held shear vane result reported as an undrained shear strength (kN/m ²). Where multiple readings are taken at the same level the average value is shown on the log. * Signifies that instrument limit reached.		B Bulk disturbed sample
	SPT – Standard Penetration Test result (N value) (uncorrected) ^{1,2,3}	Type	ES Environmental sample
	SPT(c) – Standard Penetration Test result (solid cone) (N value) (uncorrected) ^{1,2,3}		W Water sample
	UT – Undisturbed sample 100mm diameter sampler with number of blows of driving equipment required to obtain sample		U Undisturbed thick-walled sample 100mm diameter sampler
			UT Undisturbed thin walled sample 100mm diameter sampler
			UTF Failed undisturbed sample

Note 1: Seating blows recorded in brackets.

Note 2: Casing depth records depth of casing when SPT or SPT(c) was carried out.

Note 3: Water depth records depth of water when SPT or SPT(c) was carried out.

Water observations

Described at foot of log and shown in the 'water strike' column.

 Water level observed after specified delay in drilling

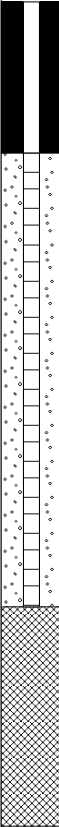
 Water strike

Installation details

	Gravel filter		Bentonite
	Slotted pipe		Unslotted pipe
	Arisings		Grout
	Extensometer magnet		Vibrating wire piezometer

Density

Density recorded in brackets determined by qualitative field assessment or inferred from density testing and soil descriptions from across the site (i.e.: [Medium dense]).

INSTALL	STRATA				WATER STRIKES	SPT TESTING				OTHER IN SITU TESTING		SAMPLING		
	DESCRIPTION	DEPTH (m)	REDUCED LVL (m OD)	LEGEND		TYPE / DEPTH (m)	RESULT	CASING DEPTH (m)	WATER LEVEL (m)	TYPE / DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
	Grass onto firm dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	0.20										0.30	0.70	B
	Firm dark grey and brown slightly sandy slightly gravelly CLAY. Gravel is fine to coarse angular to subangular brick, glass, ash, clinker and plastic. (MADE GROUND)											0.30	0.70	ES
	Firm dark brown plastic slightly sandy amorphous PEAT. (PEAT)	0.80				S 1.00 - 1.45	(4) 8					1.40	1.70	D
	Very soft to soft dark brown plastic slightly sandy pseudo fibrous PEAT. (PEAT)	1.80				S 2.00 - 2.45	(4) 1					1.80	2.00	D
	Soft brown plastic slightly sandy amorphous PEAT. (PEAT)	2.35										2.50	2.60	D
	Soft yellowish brown sandy SILT. (GLACIOFLUVIAL DEPOSITS)	2.70										2.80	3.00	D
	Soft brown sandy SILT. (GLACIOFLUVIAL DEPOSITS)	3.10				S 3.00 - 3.45	(4) 2							
	Very soft to soft greyish brown slightly sandy silty CLAY. (GLACIOFLUVIAL DEPOSITS)	3.30										3.50	3.70	D
	Soft brown slightly gravelly sandy SILT. Gravel is fine to medium angular to subangular coal. (GLACIOFLUVIAL DEPOSITS)	4.10				S 4.00 - 4.45	(0) 3					4.10	5.00	B
														
	BOREHOLE TERMINATED AT 5.45m	5.45				S 5.00 - 5.45	(4) 4							

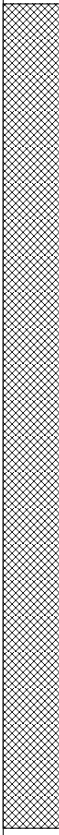
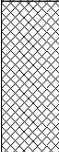
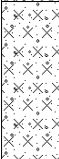
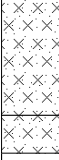
Notes Borehole terminated at scheduled depth.	Title Dynamic Windowless Sampling record			Date(s) 27/11/2023	
	Recovery details		Method Windowless sampler	Logged by CB	Sheet number Sheet 1 of 1
	Range (m)	Recovery (%)			
	1.00 - 2.00 2.00 - 3.00 3.00 - 4.00 4.00 - 5.00	70 70 100 100	Level (m OD) - - -	Compiled by KD	Revision A
Groundwater observations No groundwater encountered.			Co-ordinates -	Checked by DH	WS01

INSTALL	STRATA				WATER STRIKES	SPT TESTING				OTHER IN SITU TESTING		SAMPLING		
	DESCRIPTION	DEPTH (m)	REDUCED LVL (m OD)	LEGEND		TYPE / DEPTH (m)	RESULT	CASING DEPTH (m)	WATER LEVEL (m)	TYPE / DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
	Grass onto firm dark brown slightly sandy CLAY with occasional rootlets. (TOPSOIL)	0.25								PP 0.40	PP=58	0.30	0.60	ES
	Firm dark grey slightly sandy slightly gravelly CLAY. Gravel is fine to medium angular to subrounded brick, clinker, glass and wood. (MADE GROUND)	0.90								PP 0.80	PP=50			
	Medium dense brown gravelly silty SAND. Gravel is fine to medium angular to subangular quartz and sandstone. (GLACIOFLUVIAL DEPOSITS)	1.65				S 1.00 - 1.45	(4) 11					1.40	1.60	D
	Firm dark grey spongy amorphous PEAT. (PEAT)	2.00										1.70	1.90	D
	Firm brown clayey SILT. (GLACIOFLUVIAL DEPOSITS)	2.15				S 2.00 - 2.45	(6) 15			PP 2.20	PP=75			
	Stiff brown mottled grey slightly sandy slightly gravelly silty CLAY. Gravel is fine to medium angular to subrounded quartz, sandstone and coal. (GLACIOFLUVIAL DEPOSITS)	3.10								PP 2.80	PP=75	2.50	2.70	D
	Medium dense becoming very dense brown very silty fine to medium SAND. (GLACIOFLUVIAL DEPOSITS)	4.50				S 3.00 - 3.45	(6) 13					3.60	4.00	D
	BOREHOLE TERMINATED AT 4.50m													

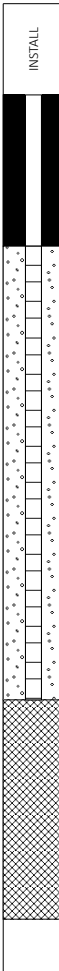
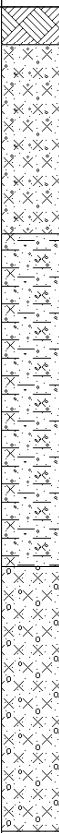
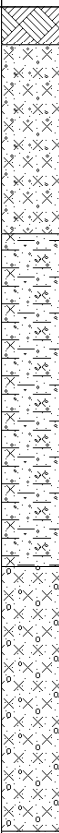
Notes Borehole terminated due to obstruction at 4.50m.	Title			Date(s)	
	Dynamic Windowless Sampling record			27/11/2023	
	Recovery details		Method	Logged by	Sheet number
	Range (m)	Recovery (%)	Windowless sampler	CB	Sheet 1 of 1
Groundwater observations Groundwater encountered at 4.5m depth, filling borehole to 1.4m on completion of borehole.	1.00 - 2.00	60	Level (m OD)	Compiled by	Revision
	2.00 - 3.00	90	-	KD	A
	3.00 - 4.00	35			
	4.00 - 4.50	0	Co-ordinates	Checked by	WS02
			-	DH	

INSTALL	STRATA				WATER STRIKES	SPT TESTING				OTHER IN SITU TESTING		SAMPLING		
	DESCRIPTION	DEPTH (m)	REDUCED LVL (m OD)	LEGEND		TYPE / DEPTH (m)	RESULT	CASING DEPTH (m)	WATER LEVEL (m)	TYPE / DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE
	Grass onto dark brown slightly sandy CLAY. (TOPSOIL)	0.20										0.10	0.20	ES
	Soft to firm light brown slightly gravelly sandy SILT. Gravel is fine to coarse angular to subrounded quartz, sandstone, mudstone and coal. (GLACIOFLUVIAL DEPOSITS)	0.45												
	Light brown slightly silty fine to medium SAND. (GLACIOFLUVIAL DEPOSITS)					S 1.00 - 1.45	(8) 16					0.70	0.90	B
	Soft to firm light brown slightly sandy slightly gravelly SILT. Gravel is fine to medium angular to subrounded quartz, mudstone, coal and sandstone. (GLACIOFLUVIAL DEPOSITS)	1.30								PP 1.50	PP=8	1.50	2.00	B
						S 2.00 - 2.45	(2) 4			PP 1.80	PP=0	2.00	3.00	B
										PP 2.50	PP=8			
						S 3.00 - 3.45	(2) 8			PP 2.80	PP=0	3.00	4.00	B
	Firm to stiff light brown and grey sandy SILT. (GLACIOFLUVIAL DEPOSITS)	3.10												
	Firm to stiff light brown sandy SILT with occasional bands of clayey sand. (GLACIOFLUVIAL DEPOSITS)	3.35												
	...at 3.35m depth, 150mm band of clayey sand.					S 4.00 - 4.45	(4) 8					4.00	5.00	B
						S 5.00 - 5.45	(4) 8							
	Firm to stiff brown sandy SILT. (GLACIOFLUVIAL DEPOSITS)	5.30												
		5.45												
	BOREHOLE TERMINATED AT 5.45m													

Notes	Title			Date(s)	
	Infiltration testing performed.			27/11/2023	
Groundwater observations	Recovery details		Method	Logged by	Sheet number
	Range (m)	Recovery (%)		CB	Sheet 1 of 1
	1.00 - 2.00	90	Level (m OD)	Compiled by	Revision
	2.00 - 3.00	65	-	KD	A
No groundwater encountered.		3.00 - 4.00	100	Checked by	WS03
		4.00 - 5.00	100		
			Co-ordinates	DH	
			-		

INSTALL	STRATA				WATER STRIKES	SPT TESTING				OTHER IN SITU TESTING		SAMPLING						
	DESCRIPTION	DEPTH (m)	REDUCED LVL (m OD)	LEGEND		TYPE / DEPTH (m)	RESULT	CASING DEPTH (m)	WATER LEVEL (m)	TYPE / DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE				
	Grass onto firm dark brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)	0.30				S 1.00 - 1.45	(2) 8			PP 1.40	PP=79	0.40	0.80	B ES				
	Light brown sandy fine to medium angular to rounded GRAVEL of quartz, sandstone and coal. (MADE GROUND)																	
	Stiff light brown slightly gravelly sandy SILT. Gravel is fine to medium angular to subrounded sandstone, quartz and coal. (GLACIOFLUVIAL DEPOSITS)	1.30				S 2.00 - 2.45	(6) 12			PP 1.80	PP=75	1.40	1.90	B				
	...at 1.7m depth, cobble of quartz																	
	Stiff becoming firm light brown sandy SILT with occasional bands of gravel. Gravel is fine to medium subangular to subrounded quartz, sandstone and coal. (GLACIOFLUVIAL DEPOSITS)	2.40				S 3.00 - 3.45	(6) 14					2.50	3.00	B				
																		
						S 4.00 - 4.45	(2) 7					3.50	3.90	B				
						S 5.00 - 5.45	(4) 8					4.70	4.90	B				
	Firm to stiff brown sandy SILT. (GLACIOFLUVIAL DEPOSITS)	5.20																
	BOREHOLE TERMINATED AT 5.45m																	
		5.45																

Notes Borehole terminated at scheduled depth.	Title Dynamic Windowless Sampling record			Date(s) 27/11/2023	
	Recovery details		Method Windowless sampler	Logged by CB	Sheet number Sheet 1 of 1
	Range (m)	Recovery (%)			
Groundwater observations Groundwater encountered at 2.3m depth, filling borehole to 1.9m in 20 minutes.	1.00 - 2.00	100	Level (m OD) -	Compiled by KD	Revision A
	2.00 - 3.00	100			
	3.00 - 4.00	60	Co-ordinates -	Checked by DH	WS04
	4.00 - 5.00	30			

INSTALL	STRATA				WATER STRIKES	SPT TESTING				OTHER IN SITU TESTING		SAMPLING																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	DESCRIPTION	DEPTH (m)	REDUCED LVL (m OD)	LEGEND		TYPE / DEPTH (m)	RESULT	CASING DEPTH (m)	WATER LEVEL (m)	TYPE / DEPTH (m)	RESULT	FROM (m)	TO (m)	TYPE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	Grass onto firm dark brown slightly sandy CLAY with frequent rootlets. (TOPSOIL)	0.25								PP 0.50	PP=29	0.10	0.20	ES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Notes	Title			Date(s)	
	Borehole terminated at scheduled depth.			Dynamic Windowless Sampling record	
				27/11/2023	
Groundwater observations	Recovery details		Method	Logged by	Sheet number
	Range (m)	Recovery (%)			
	1.00 - 2.00	60	Windowless sampler	CB	Sheet 1 of 1
	2.00 - 3.00	90			
	3.00 - 4.00	90			
No groundwater encountered.	4.00 - 5.00	100	Level (m OD)	Compiled by	Revision
			-	KD	A
			Co-ordinates	Checked by	WS05
			-	DH	

Appendix C Photographic Records



Photograph 1 – Looking north from the southeast corner of the site



Photograph 2 – Looking southwest from the northeast corner of the site



Photograph 3 - Photograph looking northwest from the southeast corner of the site.



Photograph 4 – Looking west into the southern corner of the site

Appendix D In Situ Test Results

Table summarising Pocket Penetrometer results

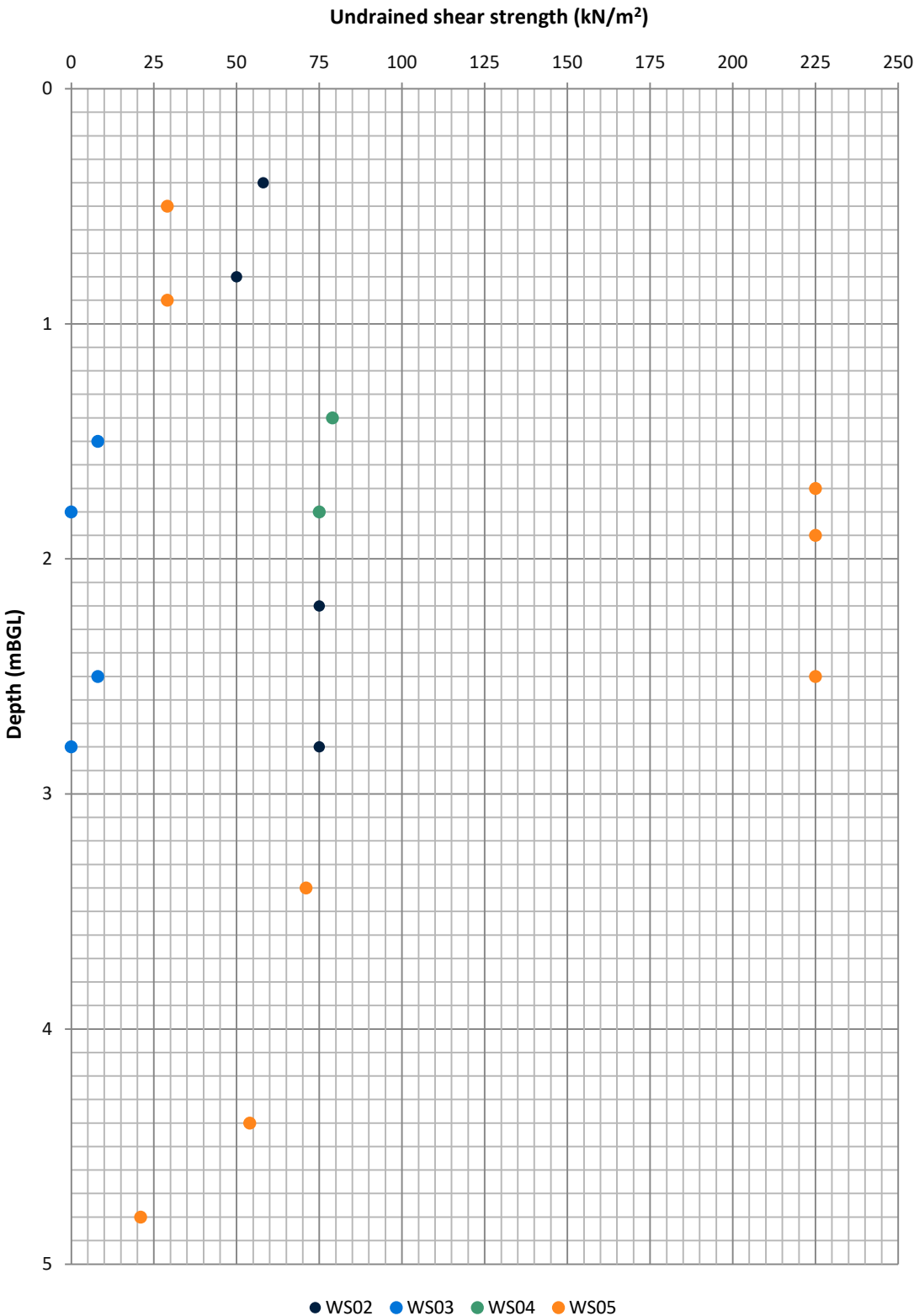
* Instrument limit reached.

Location	Start Depth (m)	Results 1-3	Average	Undrained Shear Strength (kN/m ²)
WS02	0.40	1/1.25/1.25	1.17	58
WS02	0.80	1/1/1	1.00	50
WS02	2.20	1.5/1.5/1.5	1.50	75
WS02	2.80	1.5/1.5/1.5	1.50	75
WS03	1.50	0.25/0.25/0	0.17	8
WS03	1.80	0/0/0	0.00	0
WS03	2.50	0.25/0.25/0	0.17	8
WS03	2.80	0/0/0	0.00	0
WS04	1.40	1.75/1.5/1.5	1.58	79
WS04	1.80	1.5/1.5/1.5	1.50	75
WS05	0.50	0.5/0.5/0.75	0.58	29
WS05	0.90	1/0.5/0.25	0.58	29
WS05	1.70	4.5/4.5/4.5	4.50	225
WS05	1.90	4.5/4.5/4.5	4.50	225
WS05	2.50	4.5/4.5/4.5	4.50	225
WS05	3.40	1.25/1.5/1.5	1.42	71
WS05	4.40	1/1.75/0.5	1.08	54
WS05	4.80	0.5/0.5/0.25	0.42	21

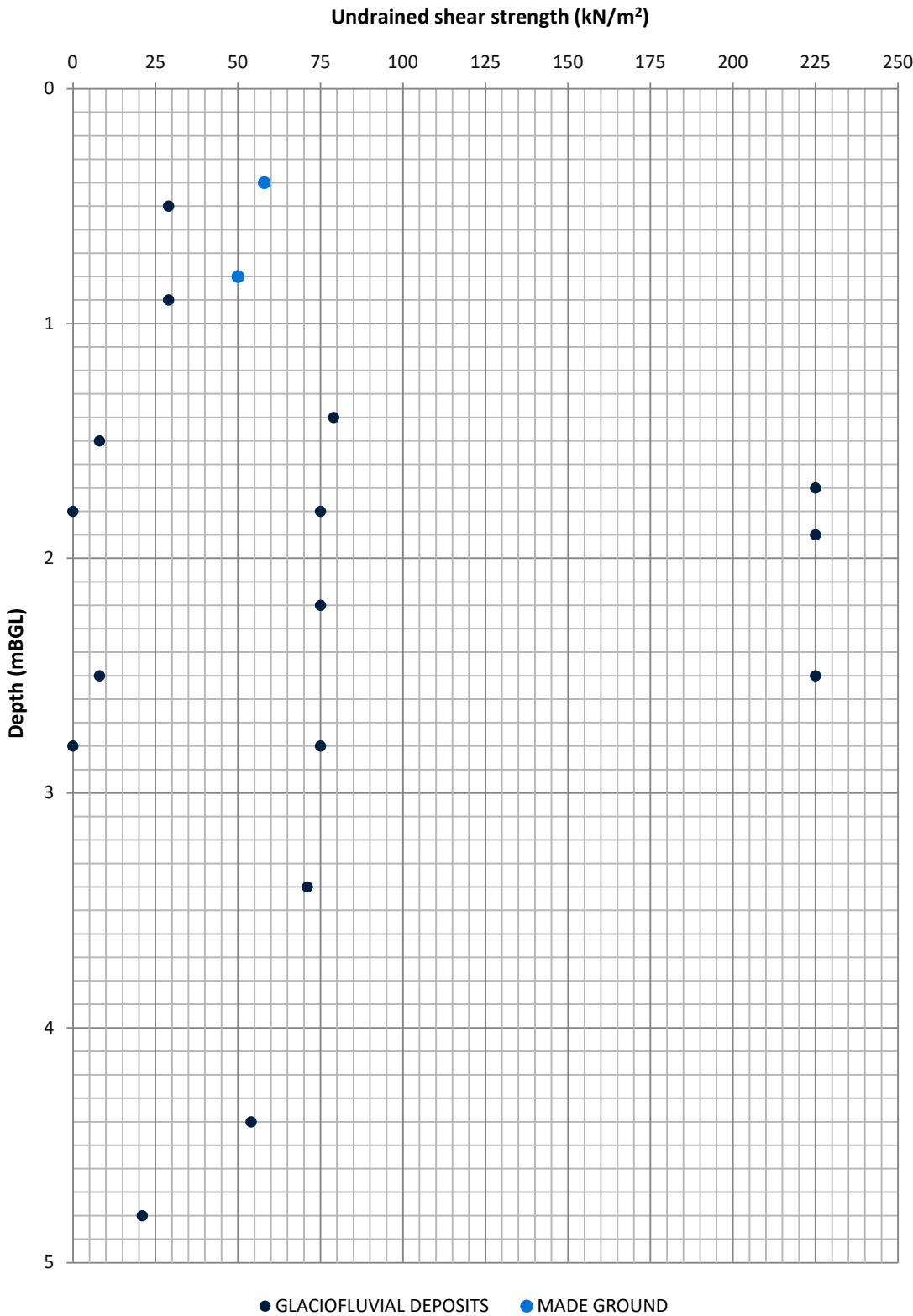
Table summarising Standard Penetration Test (SPT) results

Location	Start Depth (m)	Penetration (mm)					
		Seating 1-2	Main 1-4	Total Seating	Total Main	Total Seating	Total Main
WS01	1.00	2/2	2/2/2/2	4	8	150	300
WS01	2.00	2/2	1/0/0/0	4	1	150	300
WS01	3.00	2/2	1/1/0/0	4	2	150	300
WS01	4.00	0/0	0/1/1/1	0	3	150	300
WS01	5.00	2/2	1/1/1/1	4	4	150	300
WS02	1.00	2/2	2/3/3/3	4	11	150	300
WS02	2.00	3/3	3/4/4/4	6	15	150	300
WS02	3.00	3/3	4/3/3/3	6	13	150	300
WS03	1.00	4/4	4/4/4/4	8	16	150	300
WS03	2.00	1/1	1/1/1/1	2	4	150	300
WS03	3.00	1/1	2/2/2/2	2	8	150	300
WS03	4.00	2/2	2/2/2/2	4	8	150	300
WS03	5.00	2/2	2/2/2/2	4	8	150	300
WS04	1.00	1/1	2/2/2/2	2	8	150	300
WS04	2.00	3/3	3/3/3/3	6	12	150	300
WS04	3.00	3/3	4/4/3/3	6	14	150	300
WS04	4.00	1/1	1/2/2/2	2	7	150	300
WS04	5.00	2/2	2/2/2/2	4	8	150	300
WS05	1.00	2/2	3/3/3/3	4	12	150	300
WS05	2.00	2/2	3/3/3/3	4	12	150	300
WS05	3.00	1/1	1/1/2/2	2	6	150	300
WS05	4.00	2/2	2/2/3/3	4	10	150	300
WS05	5.00	2/2	2/2/2/2	4	8	150	300

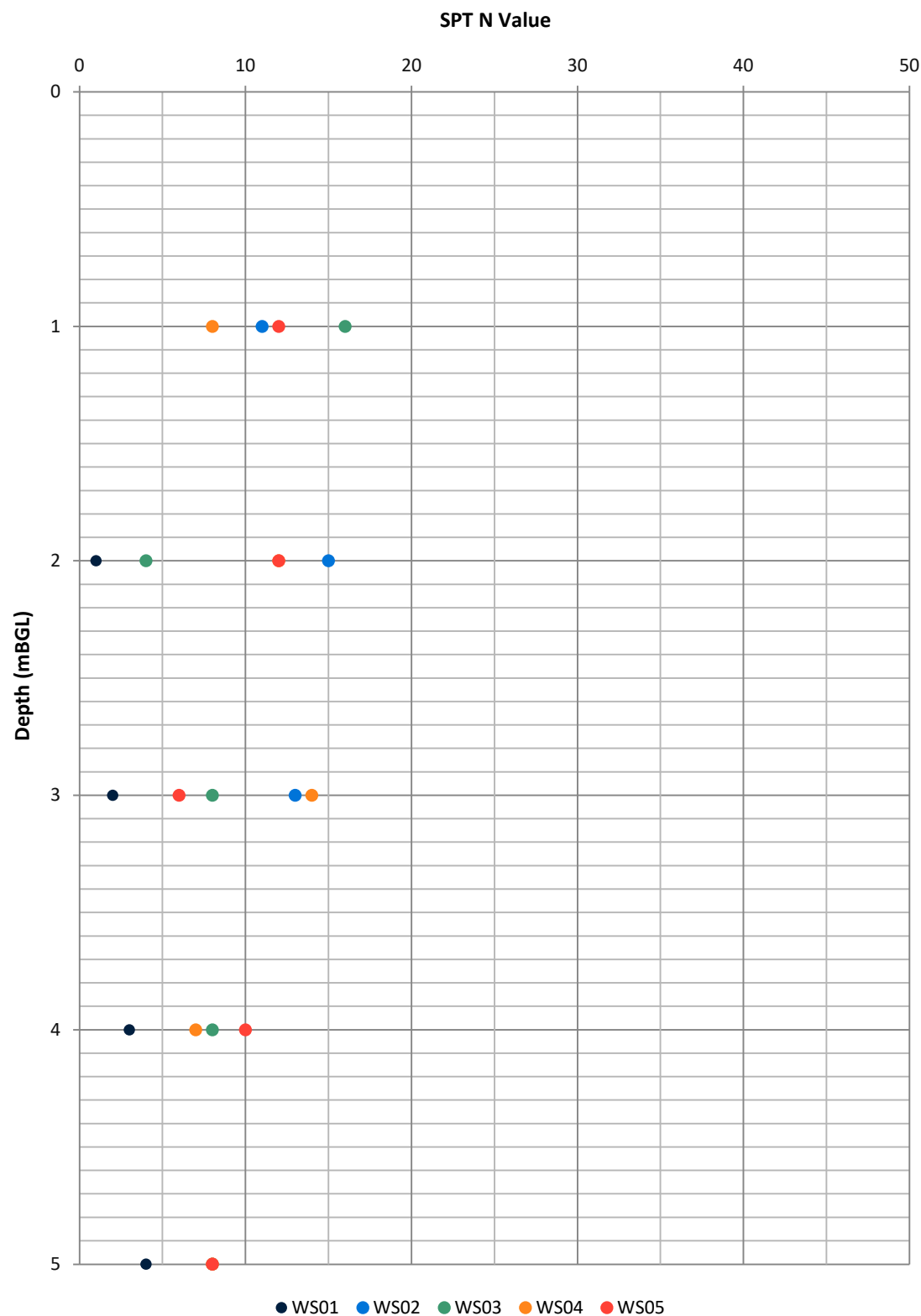
Plot summarising Pocket Penetrometer results versus depth filtered by location



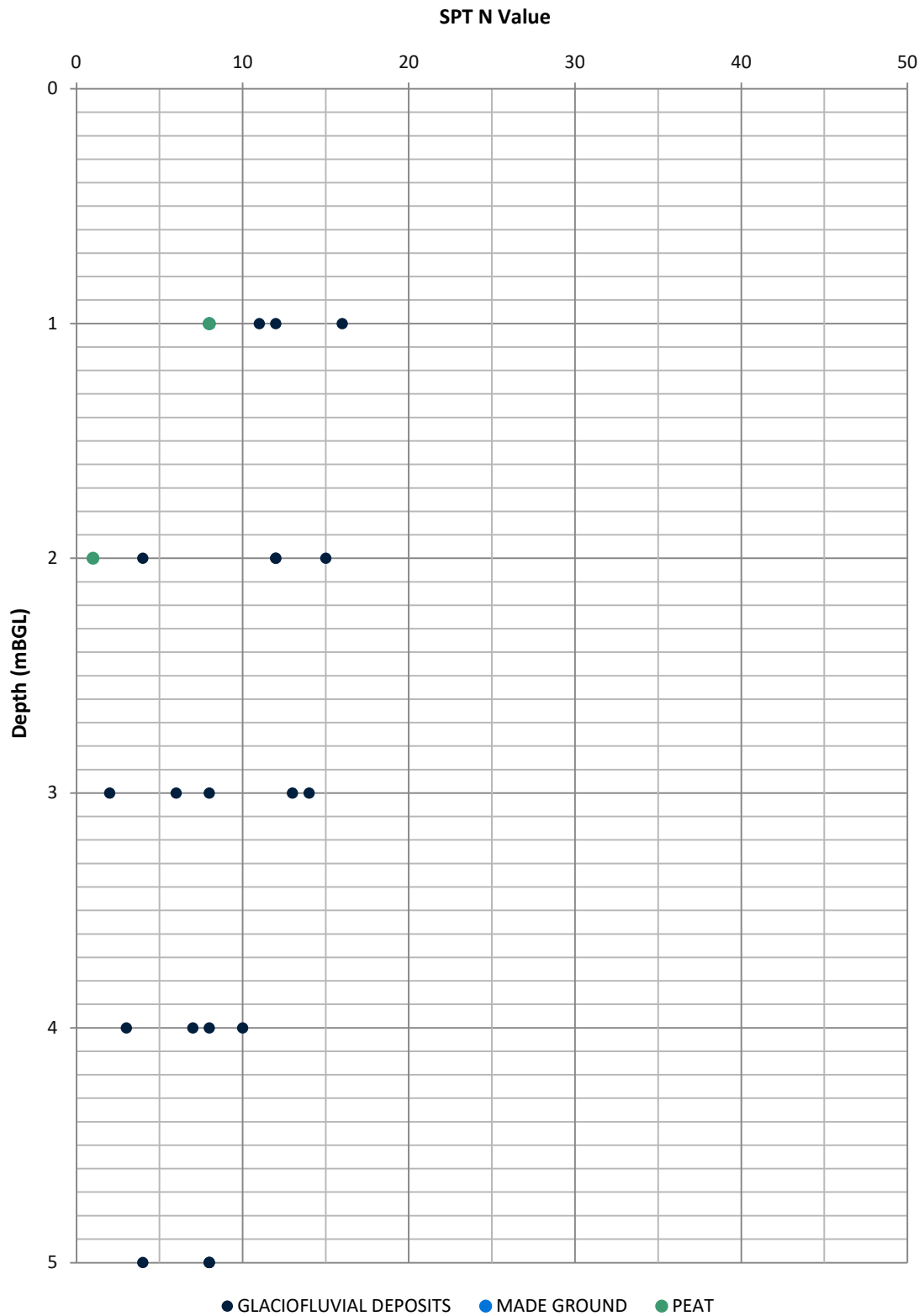
Plot summarising Pocket Penetrometer results versus depth filtered by geology



Plot summarising Standard Penetration Test (SPT) results versus depth filtered by location



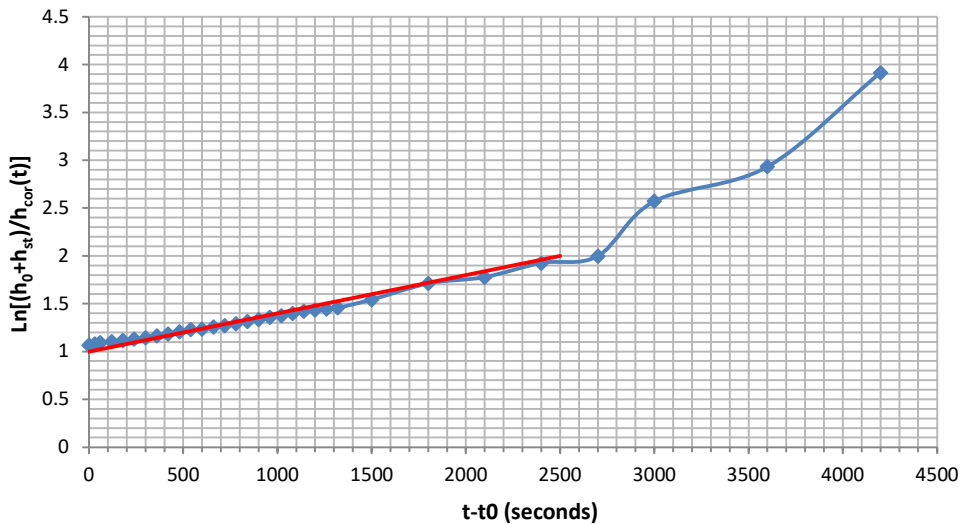
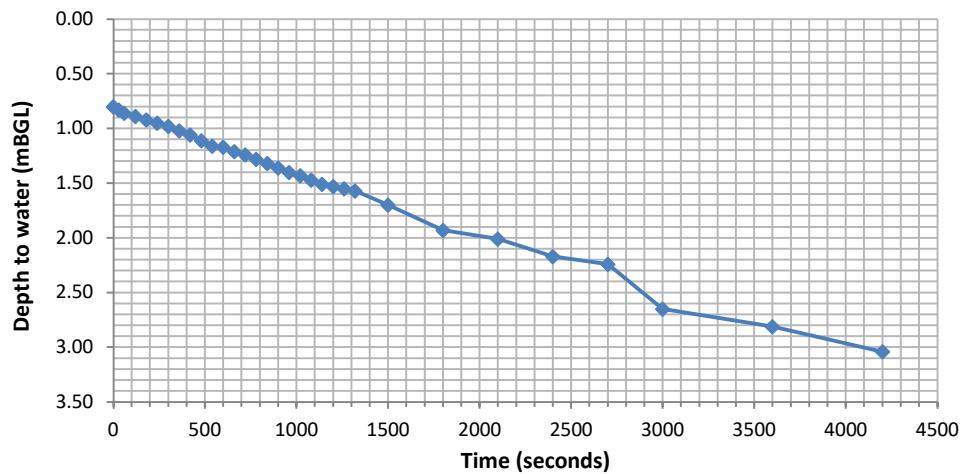
Plot summarising Standard Penetration Test (SPT) results versus depth filtered by geology



Appendix E In situ Permeability Testing Results

Permeability test in a borehole using open systems (BS EN ISO 22282-2:2012)

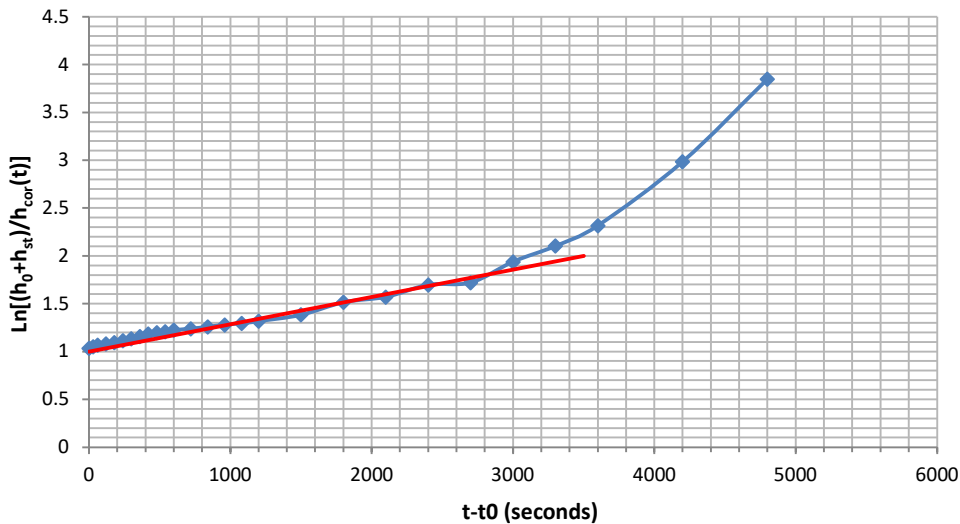
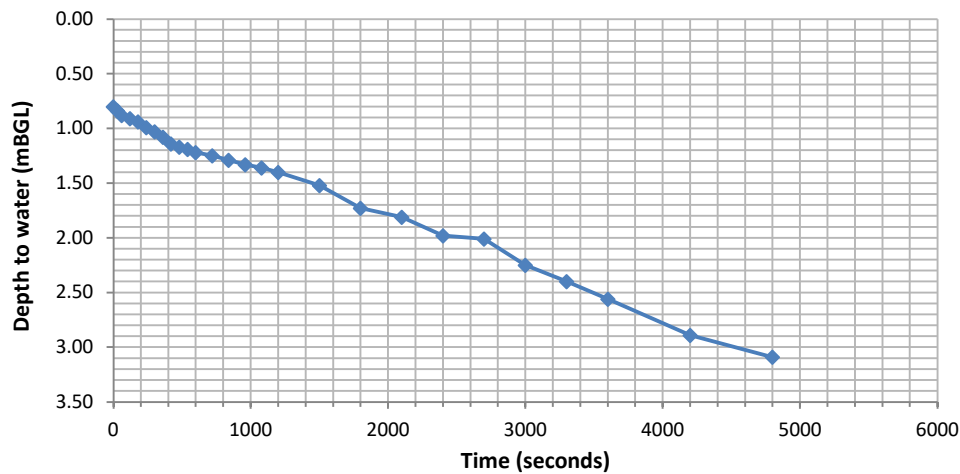
Location	Test number	Test method	Test system	Test date
WS03	1	Falling head	Open borehole	27/11/2023
Top of test section (m)	Bottom of test section (m)	Test section length (m)	Test diameter (m)	
0.80	5.45	4.65	0.1	
Variables at start of test				
Groundwater (mBGL)	Water after injection (mBGL)	Change in head (m)		
Dry	0.8	4.65		



F	Shape factor according BS EN ISO 22282-1:2012	6.446 m
S	Cross sectional area of measurement tube	0.0079 m ²
h _{st}	Corrective term to initial static level	2.27E+00 m
α	Gradient of line alpha	4.00E-04 s ⁻¹
k	Permeability (α S / F)	4.87E-07 m/s

Permeability test in a borehole using open systems (BS EN ISO 22282-2:2012)

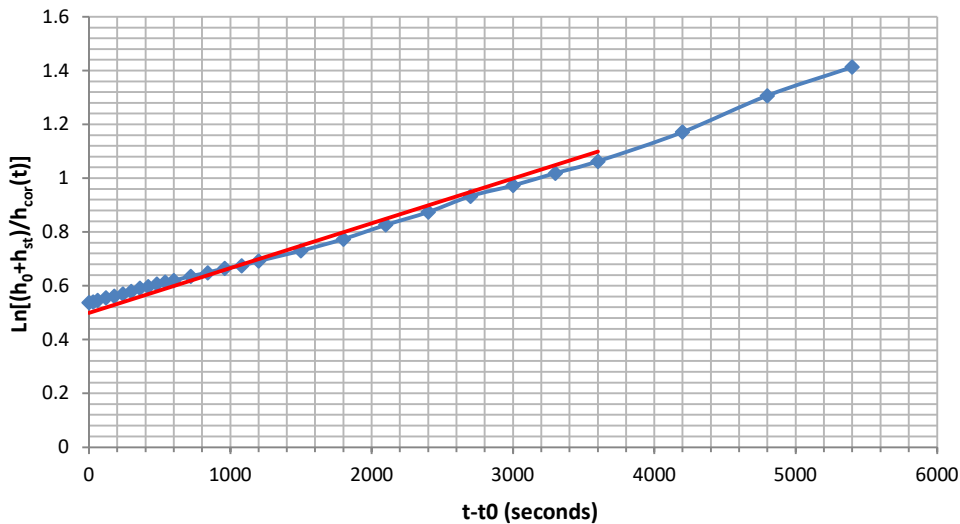
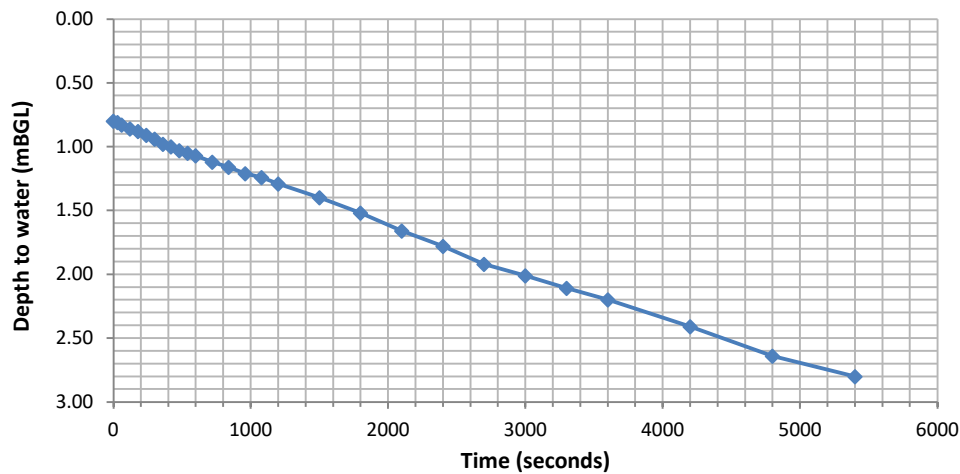
Location	Test number	Test method	Test system	Test date
WS03	2	Falling head	Open borehole	27/11/2023
Top of test section (m)	Bottom of test section (m)	Test section length (m)	Test diameter (m)	
0.80	5.45	4.65	0.1	
Variables at start of test				
Groundwater (mBGL)	Water after injection (mBGL)	Change in head (m)		
Dry	0.8	4.65		



F	Shape factor according BS EN ISO 22282-1:2012	6.446 m
S	Cross sectional area of measurement tube	0.0079 m ²
h _{st}	Corrective term to initial static level	2.21E+00 m
α	Gradient of line alpha	2.86E-04 s ⁻¹
k	Permeability (α S / F)	3.48E-07 m/s

Permeability test in a borehole using open systems (BS EN ISO 22282-2:2012)

Location	Test number	Test method	Test system	Test date
WS03	3	Falling head	Open borehole	27/11/2023
Top of test section (m)	Bottom of test section (m)	Test section length (m)	Test diameter (m)	
0.80	5.45	4.65	0.1	
Variables at start of test				
Groundwater (mBGL)	Water after injection (mBGL)	Change in head (m)		
Dry	0.8	4.65		



F	Shape factor according BS EN ISO 22282-1:2012	6.446 m
S	Cross sectional area of measurement tube	0.0079 m ²
h _{st}	Corrective term to initial static level	1.22E+00 m
α	Gradient of line alpha	1.67E-04 s ⁻¹
k	Permeability (α S / F)	2.03E-07 m/s

Appendix F Geotechnical Laboratory Test Results



TEST CERTIFICATE

DETERMINATION OF LIQUID AND PLASTIC LIMITS

Tested in Accordance with: BS 1377-2:1990: Clause 4.4 and 5

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Environmental Science

4041

Client: Soiltechnics Limited
Client Address: Cedar Barn, White Lodge,
Walgrave, Northampton,
NN6 9PY
Contact: Admin
Site Address: 23-510 Hornby Street, Heywood

Client Reference: STV6299
Job Number: 23-72181-1
Date Sampled: 27/11/2023
Date Received: 30/11/2023
Date Tested: 08/12/2023
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

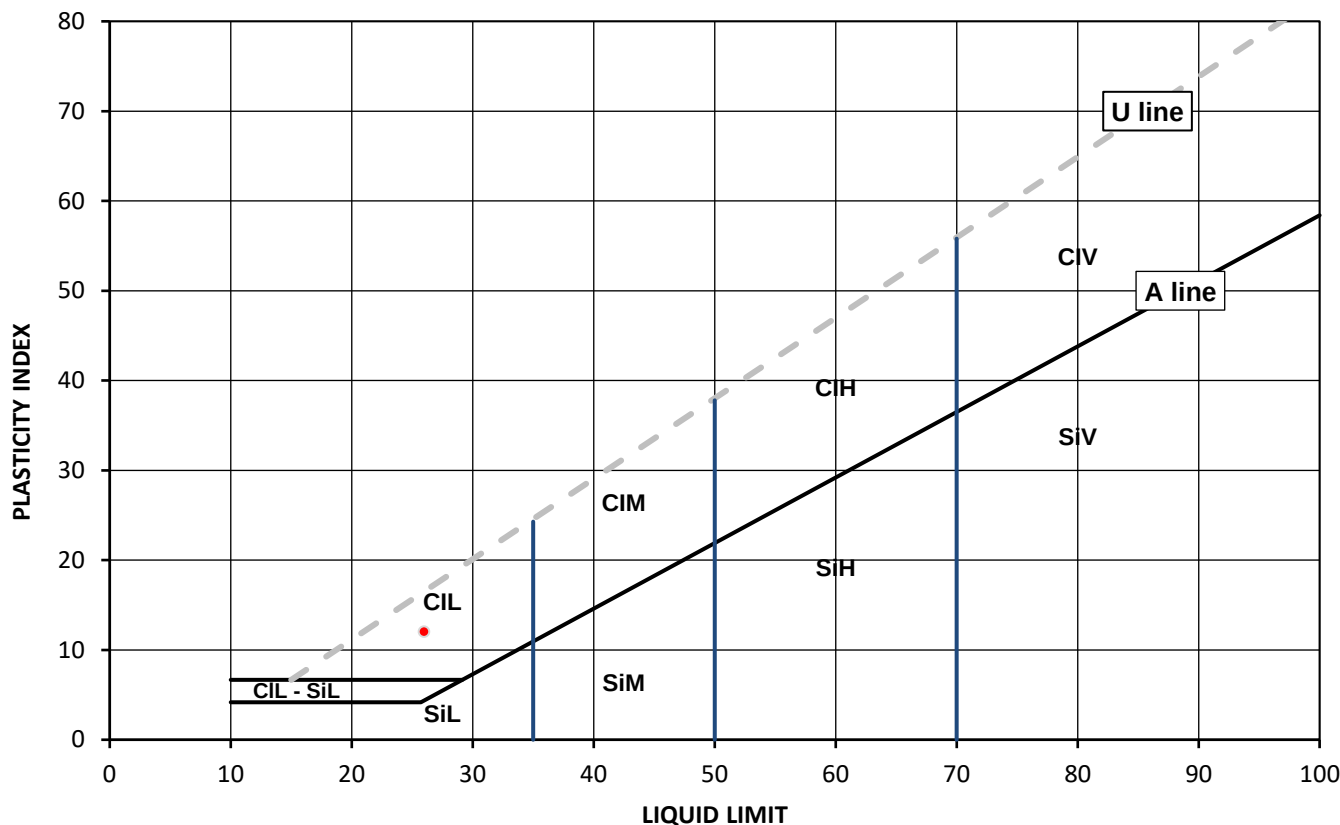
Test Results:

Laboratory Reference: 2895798
Hole No.: WS05
Sample Reference: WS051.703
Sample Description: Brownish grey slightly gravelly very sandy CLAY

Depth Top [m]: 1.70
Depth Base [m]: 1.90
Sample Type: D

Sample Preparation: Tested after >425 µm removed by hand

As Received Water Content [W] %	Liquid Limit [WL] %	Plastic Limit [Wp] %	Plasticity Index [Ip] %	% Passing 425µm BS Test Sieve
18	26	14	12	95



Legend, based on BS EN ISO 14688 2:2018 Geotechnical investigation and testing – Identification and classification of soil

	Plasticity	Liquid Limit
Cl Clay	L Low	below 35
Si Silt	M Medium	35 to 50
	H High	50 to 70
	V Very high	exceeding 70
	O Organic	append to classification for organic material (eg CIHO)

Note: Water Content by BS 1377-2: 1990: Clause 3.2

Remarks:

Signed:

Monika Janoszek
PL Environmental & Geotechnical Lab Production Specialist
for and on behalf of i2 Analytical Ltd

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SUMMARY REPORT

DETERMINATION OF WATER CONTENT

Tested in Accordance with: BS 1377-2: 1990: Clause 3.2

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Environmental Science

4041

Client: Soiltechnics Limited
Client Address: Cedar Barn, White Lodge,
Walgrave, Northampton,
NN6 9PY

Contact: Admin
Site Address: 23-510 Hornby Street, Heywood

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Client Reference: STV6299
Job Number: 23-72181-1
Date Sampled: 27/11/2023
Date Received: 30/11/2023
Date Tested: 08/12/2023
Sampled By: Not Given

Test results

Laboratory Reference	Hole No.	Sample				Description	Remarks	WC	Sample preparation / Oven temperature at the time of testing			
		Reference	Depth Top m	Depth Base m	Type							
2895798	WS05	WS051.703	1.70	1.90	D	Brownish grey slightly gravelly very sandy CLAY		18	Sample was quartered, oven dried at 106.1 °C			

Comments:

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Signed:

Monika Janoszek
PL Environmental & Geotechnical Lab Production Specialist
for and on behalf of i2 Analytical Ltd



4041



TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS 1377-2: 1990

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Client: Soiltechnics Limited
Client Address: Cedar Barn, White Lodge,
Walgrave, Northampton,
NN6 9PY
Contact: Admin
Site Address: 23-510 Hornby Street, Heywood

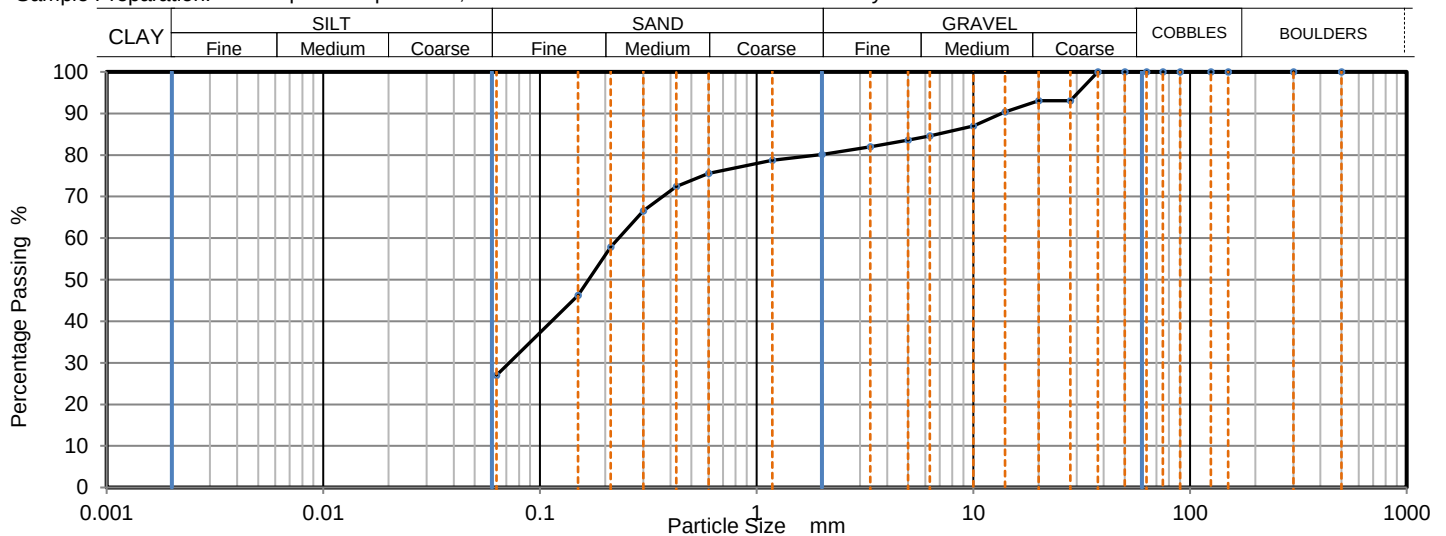
Client Reference: STV6299
Job Number: 23-72181-1
Date Sampled: 27/11/2023
Date Received: 30/11/2023
Date Tested: 08/12/2023
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference: 2895796
Hole No.: WS03
Sample Reference: WS030.702
Sample Description: Brown gravelly clayey SAND
Sample Preparation: Sample was quartered, oven dried at 106.1 °C and broken down by hand.

Depth Top [m]: 0.70
Depth Base [m]: 0.90
Sample Type: B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100		
300	100		
150	100		
125	100		
90	100		
75	100		
63	100		
50	100		
37.5	100		
28	93		
20	93		
14	90		
10	87		
6.3	85		
5	84		
3.35	82		
2	80		
1.18	79		
0.6	76		
0.425	72		
0.3	67		
0.212	58		
0.15	46		
0.063	27		

Sample Proportions	% dry mass
Very coarse	0
Gravel	20
Sand	53
Fines <0.063mm	27

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	> 3.7
Curvature Coefficient	

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with BS1377:Part 2:1990, clause 9.2

Remarks:

Signed:

Monika Janoszek

Monika Janoszek
PL Environmental & Geotechnical Lab Production Specialist
for and on behalf of i2 Analytical Ltd

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TEST CERTIFICATE

DETERMINATION OF PARTICLE SIZE DISTRIBUTION

Tested in Accordance with: BS 1377-2: 1990

i2 Analytical Ltd
Unit 8 Harrowden Road
Brackmills Industrial Estate
Northampton NN4 7EB



Environmental Science

4041

Client: Soiltechnics Limited
Client Address: Cedar Barn, White Lodge,
Walgrave, Northampton,
NN6 9PY
Contact: Admin
Site Address: 23-510 Hornby Street, Heywood

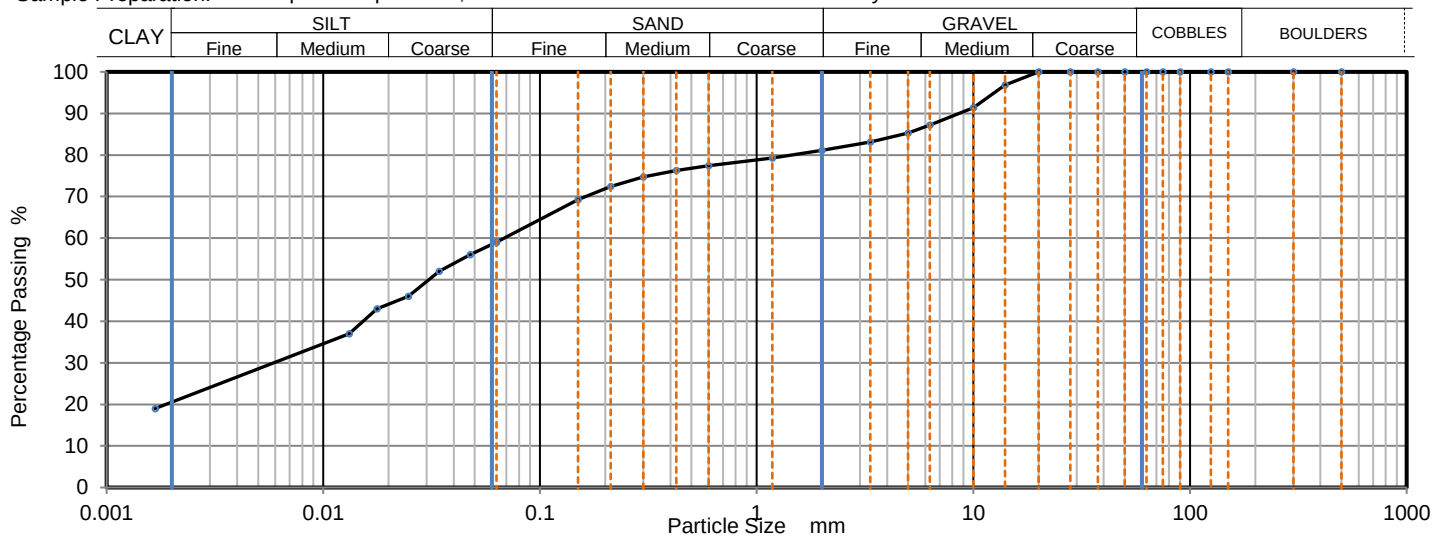
Client Reference: STV6299
Job Number: 23-72181-1
Date Sampled: 27/11/2023
Date Received: 30/11/2023
Date Tested: 08/12/2023
Sampled By: Not Given

Testing carried out at i2 Analytical Limited, ul. Pionierow, 41-711 Ruda Slaska, Poland

Test Results:

Laboratory Reference: 2895797
Hole No.: WS04
Sample Reference: WS041.403
Sample Description: Brown sandy CLAY
Sample Preparation: Sample was quartered, oven dried at 106.1 °C and broken down by hand.

Depth Top [m]: 1.40
Depth Base [m]: 1.90
Sample Type: B



Sieving		Sedimentation	
Particle Size mm	% Passing	Particle Size mm	% Passing
500	100	0.0630	59
300	100	0.0477	56
150	100	0.0342	52
125	100	0.0247	46
90	100	0.0177	43
75	100	0.0132	37
63	100	0.0017	19
50	100		
37.5	100		
28	100		
20	100		
14	97		
10	91		
6.3	87		
5	85		
3.35	83	Particle density (assumed) 2.65 Mg/m3	
2	81		
1.18	79		
0.6	77		
0.425	76		
0.3	75		
0.212	72		
0.15	69		
0.063	59		

Sample Proportions	% dry mass
Very coarse	0
Gravel	19
Sand	22
Silt	39
Clay	20

Grading Analysis	
D100	mm
D60	mm
D30	mm
D10	mm
Uniformity Coefficient	> 40
Curvature Coefficient	

Uniformity and Curvature Coefficient calculated in accordance with BS EN ISO 14688-2:2018

Note: Tested in Accordance with BS1377:Part 2:1990, clauses 9.2 and 9.5

Remarks:

Signed:

Monika Janoszek

Monika Janoszek
PL Environmental & Geotechnical Lab Production Specialist
for and on behalf of i2 Analytical Ltd

Opinions and interpretations expressed herein are outside of the scope of the UKAS Accreditation. This report may not be reproduced other than in full without the prior written approval of the issuing laboratory. The results included within the report relate only to the sample(s) submitted for testing.

Admin

Soiltechnics Limited
Cedar Barn
White Lodge
Walgrave
Northampton
NN6 9PY

i2 Analytical Ltd.
7 Woodshots Meadow,
Croxley Green
Business Park,
Watford,
Herts,
WD18 8YS

t: 01923 225404

f: 01923 237404

e: reception@i2analytical.com

e: admin@soiltechnics.net

Analytical Report Number : 24-79647

Project / Site name: 23-510 Hornby Street, Heywood

Samples received on: 24/01/2024

Your job number: STV6299

**Samples instructed on/
Analysis started on:** 24/01/2024

Your order number: POR017600

Analysis completed by: 07/02/2024

Report Issue Number: 1

Report issued on: 14/02/2024

Samples Analysed: 3 soil samples



Signed:

Adam Fenwick
Technical Reviewer
For & on behalf of i2 Analytical Ltd.

Standard Geotechnical, Asbestos and Chemical Testing Laboratory located at: ul. Pionierów 39, 41-711 Ruda Śląska, Poland.

Accredited tests are defined within the report, opinions and interpretations expressed herein are outside the scope of accreditation.

Standard sample disposal times, unless otherwise agreed with the laboratory, are :

soils - 4 weeks from reporting
leachates - 2 weeks from reporting
waters - 2 weeks from reporting
asbestos - 6 months from reporting

Excel copies of reports are only valid when accompanied by this PDF certificate.

Any assessments of compliance with specifications are based on actual analytical results with no contribution from uncertainty of measurement.
Application of uncertainty of measurement would provide a range within which the true result lies.
An estimate of measurement uncertainty can be provided on request.

Analytical Report Number: 24-79647
 Project / Site name: 23-510 Hornby Street, Heywood
 Your Order No: POR017600

Lab Sample Number				2936153	2936154	2936155
Sample Reference				WS01	WS02	WS05
Sample Number				WS010.302	WS021.402	WS050.403
Depth (m)				0.30-0.70	1.40-1.60	0.40-0.60
Date Sampled				23/01/2024	23/01/2024	23/01/2024
Time Taken				None Supplied	None Supplied	None Supplied
Analytical Parameter (Soil Analysis)	Units	Limit of detection	Accreditation Status			
Stone Content	%	0.1	NONE	< 0.1	< 0.1	< 0.1
Moisture Content	%	0.01	NONE	15	31	12
Total mass of sample received	kg	0.001	NONE	0.5	0.5	0.5

General Inorganics

pH - Automated	pH Units	N/A	MCERTS	7.9	6.7	6.6
Total Sulphate as SO ₄	%	0.005	MCERTS	0.074	0.041	0.012
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	g/l	0.00125	MCERTS	0.0324	0.0707	0.002
Water Soluble SO ₄ 16hr extraction (2:1 Leachate Equivalent)	mg/l	1.25	MCERTS	32.4	70.7	2
Water Soluble Chloride (2:1) (leachate equivalent)	mg/l	0.5	MCERTS	1.7	2.3	1.2
Total Sulphur	%	0.005	MCERTS	0.04	0.029	0.009
Water Soluble Nitrate (2:1) as N (leachate equivalent)	mg/l	2	NONE	2.1	< 2.0	< 2.0

Heavy Metals / Metalloids

Magnesium (water soluble)	mg/kg	5	NONE	< 5.0	5.6	< 5.0
Magnesium (leachate equivalent)	mg/l	2.5	NONE	< 2.5	2.8	< 2.5

U/S = Unsuitable Sample I/S = Insufficient Sample ND = Not detected

Analytical Report Number : 24-79647

Project / Site name: 23-510 Hornby Street, Heywood

* These descriptions are only intended to act as a cross check if sample identities are questioned. The major constituent of the sample is intended to act with respect to MCERTS validation. The laboratory is accredited for sand, clay and loam (MCERTS) soil types. Data for unaccredited types of solid should be interpreted with care.

Stone content of a sample is calculated as the % weight of the stones not passing a 10 mm sieve. Results are not corrected for stone content.

Lab Sample Number	Sample Reference	Sample Number	Depth (m)	Sample Description *
2936153	WS01	WS010.302	0.30-0.70	Brown loam and clay with gravel and vegetation.
2936154	WS02	WS021.402	1.40-1.60	Brown clay and loam with gravel and vegetation.
2936155	WS05	WS050.403	0.40-0.60	Brown sand with gravel.

Analytical Report Number : 24-79647

Project / Site name: 23-510 Hornby Street, Heywood

Water matrix abbreviations:

Surface Water (SW) Potable Water (PW) Ground Water (GW) Process Waters (PrW) Final Sewage Effluent (FSE) Landfill Leachate (LL)

Analytical Test Name	Analytical Method Description	Analytical Method Reference	Method number	Wet / Dry Analysis	Accreditation Status
Magnesium, water soluble, in soil	Determination of water soluble magnesium by extraction with water followed by ICP-OES.	In-house method based on TRL 447	L038-PL	D	NONE
Moisture Content	Moisture content, determined gravimetrically. (30 oC)	In house method.	L019-UK/PL	W	NONE
pH in soil (automated)	Determination of pH in soil by addition of water followed by automated electrometric measurement.	In house method.	L099-PL	D	MCERTS
Stones content of soil	Standard preparation for all samples unless otherwise detailed. Gravimetric determination of stone > 10 mm as % dry weight.	In-house method based on British Standard Methods and MCERTS requirements.	L019-UK/PL	D	NONE
Total Sulphate in soil as %	Determination of total sulphate in soil by extraction with 10% HCl followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Total Sulphur in soil as %	Determination of total sulphur in soil by extraction with aqua-regia, potassium bromide/bromate followed by ICP-OES.	In house method.	L038-PL	D	MCERTS
Sulphate, water soluble, in soil (16hr extraction)	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS
Water Soluble Nitrate (2:1) as N in soil	Determination of nitrate by reaction with sodium salicylate and colorimetry.	In-house method based on Examination of Water and Wastewater & Polish Standard Method PN-82/C-04579.08, 2:1 extraction.	L078-PL	W	NONE
Chloride, water soluble, in soil	Determination of Chloride colorimetrically by discrete analyser.	In house method.	L082-PL	D	MCERTS
Sulphate, water soluble, in soil	Determination of water soluble sulphate by ICP-OES. Results reported directly (leachate equivalent) and corrected for extraction ratio (soil equivalent).	In house method.	L038-PL	D	MCERTS

For method numbers ending in 'UK or A' analysis have been carried out in our laboratory in the United Kingdom (WATFORD).

For method numbers ending in 'F' analysis have been carried out in our laboratory in the United Kingdom (East Kilbride).

For method numbers ending in 'PL or B' analysis have been carried out in our laboratory in Poland.

Soil analytical results are expressed on a dry weight basis. Where analysis is carried out on as-received the results obtained are multiplied by a moisture correction factor that is determined gravimetrically using the moisture content which is carried out at a maximum of 30oC.

Unless otherwise indicated, site information, order number, project number, sampling date, time, sample reference and depth are provided by the client. The instructed on date indicates the date on which this information was provided to the laboratory.

Appendix G Post Fieldwork Monitoring

Ground gas and groundwater monitoring results

Notes

- 1) The instrument limit of detection has been adopted where no gas flows or concentrations have been recorded (indicated in grey italics).
- 2) Atmospheric temperature (*) data sourced from local weather station data.
- 3) CH4 = methane; CO2 = carbon dioxide; O2 = oxygen; PPM = parts per million CO = carbon monoxide; H2S = hydrogen sulphide.
- 4) Gas Screening Values (GSVs) are rounded to 3 decimal places.

Worst case scenario									0.7	0.2	0.2	3.9	3.7	14.6	14.7	0	0	0.00	0.00	0.03	0.03	GREEN	GREEN	ONE	
Average scenario									0.3	0.1	0.1	2.0	1.7	18.4	18.7	0	0	0.00	0.00	0.01	0.01	GREEN	GREEN	ONE	
Date	Time	Location	Install Reference	Install Response Zone		Atmospheric Pressure (mB)	Atmospheric Temperature (°C) *	Depth to Water (m)	Gas Steady Flow	CH ₄ (%v/v)		CO ₂ (%v/v)		O ₂ (%v/v)		Other Gases (PPM)		GSV (CH ₄)		GSV (CO ₂)		Indicative NHBC Guideline		Indicative (steady) CIRIA Characteristic Situation	Notes
				Response Zone (mBGL)	Flooded				l/Hr	Peak	Steady	Peak	Steady	Minimum	Average	CO	H ₂ S	Peak	Steady	Peak	Steady	Peak	Steady		
08/12/2023	14:54	WS01	1	1.00 - 4.00	No	986	9	2.70	0.1	0.2	0.2	3.9	3.7	14.6	14.7	0	0	0.000	0.000	0.003	0.003	GREEN	GREEN	CS-1	
20/12/2023	15:59	WS01	1	1.00 - 4.00	No	997	9	1.15	0.2	0.2	0.2	2.2	0.4	17.5	20.0	0	0	0.000	0.000	0.004	0.001	GREEN	GREEN	CS-1	
08/01/2024	12:54	WS01	1	1.00 - 4.00	No	1023	2	1.17	0.6	0.1	0.0	2.3	0.7	18.2	20.6	0	0	0.001	0.000	0.012	0.004	GREEN	GREEN	CS-1	
18/01/2024	09:32	WS01	1	1.00 - 4.00	No	995	5	1.40	0.5	0.2	0.2	1.3	1.3	20.5	20.6	0	0	0.001	0.001	0.005	0.005	GREEN	GREEN	CS-1	
01/02/2024	10:47	WS01	1	1.00 - 4.00	Yes	1019	5	0.46	0.2	0.1	0.1	0.7	0.7	20.2	20.2	0	0	0.000	0.000	0.001	0.001	GREEN	GREEN	CS-1	
16/02/2024	10:18	WS01	1	1.00 - 4.00	Yes	1012	10	0.60	0.2	0.1	0.1	0.5	0.5	20.5	20.5	0	0	0.000	0.000	0.001	0.001	GREEN	GREEN	CS-1	
08/12/2023	14:44	WS03	1	1.00 - 4.00	Yes	987	9	0.60	0.2	0.2	0.2	3.1	3.1	17.0	17.0	0	0	0.000	0.000	0.005	0.005	GREEN	GREEN	CS-1	
20/12/2023	15:48	WS03	1	1.00 - 4.00	No	997	9	2.55	0.2	0.2	0.2	2.5	2.4	17.0	17.2	0	0	0.000	0.000	0.004	0.004	GREEN	GREEN	CS-1	
08/01/2024	13:14	WS03	1	1.00 - 4.00	No	1023	2	2.95	0.7	0.0	0.0	3.3	3.3	16.2	16.2	0	0	0.000	0.000	0.019	0.019	GREEN	GREEN	CS-1	
18/01/2024	09:45	WS03	1	1.00 - 4.00	No	994	5	2.70	0.6	0.1	0.1	0.9	0.9	20.9	20.9	0	0	0.001	0.001	0.005	0.005	GREEN	GREEN	CS-1	
01/02/2024	10:55	WS03	1	1.00 - 4.00	No	1019	6	2.81	0.2	0.1	0.1	3.2	3.1	16.3	16.4	0	0	0.000	0.000	0.005	0.005	GREEN	GREEN	CS-1	
16/02/2024	10:29	WS03	1	1.00 - 4.00	No	1013	11	2.58	0.3	0.2	0.2	1.4	1.3	19.2	19.4	0	0	0.001	0.001	0.004	0.003	GREEN	GREEN	CS-1	
08/12/2023	14:36	WS05	1	1.00 - 4.00	No	987	9	4.00	0.1	0.1	0.1	0.7	0.5	19.5	19.7	0	0	0.000	0.000	0.001	0.000	GREEN	GREEN	CS-1	
20/12/2023	15:39	WS05	1	1.00 - 4.00	No	997	9	3.75	0.3	0.2	0.2	1.1	1.0	19.0	19.0	0	0	0.001	0.001	0.003	0.003	GREEN	GREEN	CS-1	
08/01/2024	13:04	WS05	1	1.00 - 4.00	No	1023	2	2.95	0.7	0.0	0.0	1.7	1.7	19.9	20.0	0	0	0.000	0.000	0.010	0.010	GREEN	GREEN	CS-1	
18/01/2024	10:01	WS05	1	1.00 - 4.00	No	994	5	DRY	0.5	0.2	0.1	0.7	0.7	19.6	19.7	0	0	0.001	0.000	0.003	0.003	GREEN	GREEN	CS-1	
01/02/2024	11:06	WS05	1	1.00 - 4.00	No	1020	6	DRY	0.3	0.2	0.1	2.8	2.8	17.7	17.7	0	0	0.001	0.000	0.007	0.007	GREEN	GREEN	CS-1	
16/02/2024	10:38	WS05	1	1.00 - 4.00	No	1012	11	DRY	0.3	0.2	0.2	3.1	3.0	17.5	17.6	0	0	0.001	0.001	0.008	0.008	GREEN	GREEN	CS-1	

Appendix H Geoenvironmental Laboratory Test Results



Final Report

Report No.: 23-39726-1

Initial Date of Issue: 06-Dec-2023

Re-Issue Details:

Client Soiltechnics Limited

Client Address: 1st Floor Unit 9 Westpoint Enterprise
Park
Clarence Avenue
Trafford Park
Manchester
M17 1QS

Contact(s): Admin

Project 23-510 Hornby Street, Heywood
STV6299

Quotation No.: **Date Received:** 30-Nov-2023

Order No.: POR017240 **Date Instructed:** 30-Nov-2023

No. of Samples: 6

Turnaround (Wkdays): 5 **Results Due:** 06-Dec-2023

Date Approved: 06-Dec-2023

Approved By:

Details: Stuart Henderson, Technical
Manager

Results - Soil

Project: 23-510 Hornby Street, Heywood STV6299

Client: Soiltechnics Limited	Chemtest Job No.:		23-39726	23-39726	23-39726	23-39726	23-39726	23-39726	23-39726
Quotation No.:	Chemtest Sample ID.:		1738854	1738855	1738856	1738857	1738858	1738859	
Order No.: POR017240	Client Sample Ref.:		1	1	1	1	1	3	
	Client Sample ID.:		WS010.301	WS020.301	WS030.101	WS040.401	WS050.101	WS050.403	
	Sample Location:		WS01	WS02	WS03	WS04	WS05	WS05	
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	
	Top Depth (m):		0.30	0.30	0.10	0.40	0.10	0.40	
	Bottom Depth (m):		0.70	0.60	0.20	0.80	0.20	0.60	
	Date Sampled:		27-Nov-2023	27-Nov-2023	27-Nov-2023	27-Nov-2023	27-Nov-2023	27-Nov-2023	
	Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB		
Determinand	Accred.	SOP	Units	LOD					
ACM Type	U	2192		N/A	-	-	-	-	
Asbestos Identification	U	2192		N/A	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	
Moisture	N	2030	%	0.020	29	30	29	30	39
Stones and Removed Materials	N	2030	%	0.020	< 0.020	< 0.020			< 0.020
Soil Colour	N	2040		N/A	Brown	Brown	Brown	Brown	Brown
Other Material	N	2040		N/A	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots	Stones and Roots
Soil Texture	N	2040		N/A	Clay	Clay	Clay	Clay	Clay
pH at 20C	M	2010		4.0	9.0	7.6	7.1	8.0	7.3
Boron (Hot Water Soluble)	M	2120	mg/kg	0.40	< 0.40	1.2	< 0.40	< 0.40	0.69
Magnesium (Water Soluble)	N	2120	g/l	0.010	< 0.010	< 0.010			< 0.010
Sulphate (2:1 Water Soluble) as SO4	M	2120	g/l	0.010	< 0.010	0.050			< 0.010
Chloride (Water Soluble)	M	2220	g/l	0.010	< 0.010	< 0.010			< 0.010
Nitrate (Water Soluble)	N	2220	g/l	0.010	< 0.010	< 0.010			< 0.010
Cyanide (Complex)	M	2300	mg/kg	0.50	0.90	0.80	0.80	< 0.50	0.60
Cyanide (Free)	M	2300	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	0.80
Cyanide (Total)	M	2300	mg/kg	0.50	0.90	0.80	0.80	< 0.50	1.4
Ammonium (Extractable)	M	2425	mg/kg	0.50	2.2	3.3			2.7
Sulphate (Total)	U	2430	%	0.010	0.14	0.11			0.16
Sulphate (Acid Soluble)	U	2430	%	0.010	0.093	0.074			0.016
Arsenic	M	2455	mg/kg	0.5	21	17	8.9	15	16
Beryllium	U	2455	mg/kg	0.5	1.3	1.1	0.6	1.3	0.8
Cadmium	M	2455	mg/kg	0.10	0.43	0.34	0.15	0.88	0.32
Chromium	M	2455	mg/kg	0.5	37	11	18	43	16
Copper	M	2455	mg/kg	0.50	100	93	26	150	46
Mercury	M	2455	mg/kg	0.05	0.19	0.15	0.10	0.20	1.1
Nickel	M	2455	mg/kg	0.50	36	18	16	30	18
Lead	M	2455	mg/kg	0.50	1200	2100	85	3900	360
Selenium	M	2455	mg/kg	0.25	1.1	0.86	0.90	0.94	0.98
Vanadium	U	2455	mg/kg	0.5	27	25	23	27	27
Zinc	M	2455	mg/kg	0.50	500	100	75	630	120
Chromium (Hexavalent)	N	2490	mg/kg	0.50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
LOI	M	2610	%	0.10	8.7	6.3	5.9	14	14
Organic Matter	M	2625	%	0.40	9.1	9.0	4.7	12	13
TPH >C5-C6	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Results - Soil

Project: 23-510 Hornby Street, Heywood STV6299

Client: Soiltechnics Limited	Chemtest Job No.:		23-39726	23-39726	23-39726	23-39726	23-39726	23-39726
Quotation No.:	Chemtest Sample ID.:		1738854	1738855	1738856	1738857	1738858	1738859
Order No.: POR017240	Client Sample Ref.:		1	1	1	1	1	3
	Client Sample ID.:		WS010.301	WS020.301	WS030.101	WS040.401	WS050.101	WS050.403
	Sample Location:		WS01	WS02	WS03	WS04	WS05	WS05
	Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Top Depth (m):		0.30	0.30	0.10	0.40	0.10	0.40
	Bottom Depth (m):		0.70	0.60	0.20	0.80	0.20	0.60
	Date Sampled:		27-Nov-2023	27-Nov-2023	27-Nov-2023	27-Nov-2023	27-Nov-2023	27-Nov-2023
	Asbestos Lab:		NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	NEW-ASB	
Determinand	Accred.	SOP	Units	LOD				
TPH >C6-C7	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C7-C8	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C8-C10	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C10-C12	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C12-C16	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C16-C21	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
TPH >C21-C35	N	2670	mg/kg	1.0	< 1.0	< 1.0	< 1.0	< 1.0
Total TPH >C5-C35	N	2670	mg/kg	10	< 10	< 10	< 10	< 10
Naphthalene	M	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	0.27
Acenaphthylene	N	2800	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10
Acenaphthene	M	2800	mg/kg	0.10	< 0.10	< 0.10	0.15	0.60
Fluorene	M	2800	mg/kg	0.10	0.12	< 0.10	< 0.10	0.40
Phenanthrene	M	2800	mg/kg	0.10	0.45	0.49	0.28	1.3
Anthracene	M	2800	mg/kg	0.10	0.19	< 0.10	< 0.10	0.29
Fluoranthene	M	2800	mg/kg	0.10	0.82	0.70	0.50	3.1
Pyrene	M	2800	mg/kg	0.10	0.76	0.68	0.42	2.7
Benzo[a]anthracene	M	2800	mg/kg	0.10	0.38	0.36	0.22	1.3
Chrysene	M	2800	mg/kg	0.10	0.45	0.39	0.22	1.4
Benzo[b]fluoranthene	M	2800	mg/kg	0.10	0.57	< 0.10	< 0.10	2.0
Benzo[k]fluoranthene	M	2800	mg/kg	0.10	0.37	< 0.10	< 0.10	0.87
Benzo[a]pyrene	M	2800	mg/kg	0.10	0.37	< 0.10	< 0.10	1.4
Indeno(1,2,3-c,d)Pyrene	M	2800	mg/kg	0.10	0.32	< 0.10	< 0.10	0.95
Dibenz(a,h)Anthracene	N	2800	mg/kg	0.10	0.25	< 0.10	< 0.10	< 0.10
Benzo[g,h,i]perylene	M	2800	mg/kg	0.10	0.39	< 0.10	< 0.10	0.94
Total Of 16 PAH's	N	2800	mg/kg	2.0	5.4	2.6	< 2.0	17
Total Phenols	M	2920	mg/kg	0.10	< 0.10	< 0.10	< 0.10	< 0.10

Test Methods

SOP	Title	Parameters included	Method summary
2010	pH Value of Soils	pH at 20°C	pH Meter
2030	Moisture and Stone Content of Soils(Requirement of MCERTS)	Moisture content	Determination of moisture content of soil as a percentage of its as received mass obtained at <37°C.
2040	Soil Description(Requirement of MCERTS)	Soil description	As received soil is described based upon BS5930
2120	Water Soluble Boron, Sulphate, Magnesium & Chromium	Boron; Sulphate; Magnesium; Chromium	Aqueous extraction / ICP-OES
2192	Asbestos	Asbestos	Polarised light microscopy / Gravimetry
2220	Water soluble Chloride in Soils	Chloride	Aqueous extraction and measurement by 'Aquakem 600' Discrete Analyser using ferric nitrate / mercuric thiocyanate.
2300	Cyanides & Thiocyanate in Soils	Free (or easily liberatable) Cyanide; total Cyanide; complex Cyanide; Thiocyanate	Alkaline extraction followed by colorimetric determination using Automated Flow Injection Analyser.
2425	Extractable Ammonium in soils	Ammonium	Extraction with potassium chloride solution / analysis by 'Aquakem 600' Discrete Analyser using sodium salicylate and sodium dichloroisocyanurate.
2430	Total Sulphate in soils	Total Sulphate	Acid digestion followed by determination of sulphate in extract by ICP-OES.
2455	Acid Soluble Metals in Soils	Metals, including: Arsenic; Barium; Beryllium; Cadmium; Chromium; Cobalt; Copper; Lead; Manganese; Mercury; Molybdenum; Nickel; Selenium; Vanadium; Zinc	Acid digestion followed by determination of metals in extract by ICP-MS.
2490	Hexavalent Chromium in Soils	Chromium [VI]	Soil extracts are prepared by extracting dried and ground soil samples into boiling water. Chromium [VI] is determined by 'Aquakem 600' Discrete Analyser using 1,5-diphenylcarbazide.
2610	Loss on Ignition	loss on ignition (LOI)	Determination of the proportion by mass that is lost from a soil by ignition at 550°C.
2625	Total Organic Carbon in Soils	Total organic Carbon (TOC)	Determined by high temperature combustion under oxygen, using an Eltra elemental analyser.
2670	Total Petroleum Hydrocarbons (TPH) in Soils by GC-FID	TPH (C6–C40); optional carbon banding, e.g. 3-band – GRO, DRO & LRO*TPH C8–C40	Dichloromethane extraction / GC-FID
2800	Speciated Polynuclear Aromatic Hydrocarbons (PAH) in Soil by GC-MS	Acenaphthene*; Acenaphthylene; Anthracene*; Benzo[a]Anthracene*; Benzo[a]Pyrene*; Benzo[b]Fluoranthene*; Benzo[ghi]Perylene*; Benzo[k]Fluoranthene; Chrysene*; Dibenzo[ah]Anthracene; Fluoranthene*; Fluorene*; Indeno[123cd]Pyrene*; Naphthalene*; Phenanthrene*; Pyrene*	Dichloromethane extraction / GC-MS
2920	Phenols in Soils by HPLC	Phenolic compounds including Resorcinol, Phenol, Methylphenols, Dimethylphenols, 1-Naphthol and TrimethylphenolsNote: chlorophenols are excluded.	60:40 methanol/water mixture extraction, followed by HPLC determination using electrochemical detection.

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"
SOP	Standard operating procedure
LOD	Limit of detection

Comments or interpretations are beyond the scope of UKAS accreditation

The results relate only to the items tested

Uncertainty of measurement for the determinands tested are available upon request

None of the results in this report have been recovery corrected

All results are expressed on a dry weight basis

The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols

For all other tests the samples were dried at < 37°C prior to analysis

All Asbestos testing is performed at the indicated laboratory

Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

- A - Date of sampling not supplied
- B - Sample age exceeds stability time (sampling to extraction)
- C - Sample not received in appropriate containers
- D - Broken Container
- E - Insufficient Sample (Applies to LOI in Trommel Fines Only)

Sample Retention and Disposal

All soil samples will be retained for a period of 30 days from the date of receipt

All water samples will be retained for 14 days from the date of receipt

Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:

customerservices@chemtest.com

Appendix I Contamination Assessment Screening

GQRA Screening

Assessments	Status	Date	Created by	Reviewed By
Acute human health risk - Soils	Completed	22.01.2023	DH	SCD
Chronic human health risk - Soils	Completed	22.01.2023	DH	SCD
Chronic human health risk - Groundwater vapour	Not undertaken			
Controlled waters risk - Surface water	Not undertaken			
Controlled waters risk - Drinking water	Not undertaken			
Controlled waters - Free phase indicator	Not undertaken			
Phytotoxicity	Not undertaken			
Ecotoxicity	Not undertaken			

Key

Assessment	Abbr.	GQRA Source (in order of preference)	Last Update
All	NGA	No guideline value available	-
Acute human health risk - Soils	AGAC	Acute Generic Assessment Criteria (SoBRA)	April 2019
	sat.	Contaminant poses a low acute risk unless the soil saturation limit is exceeded and a free oil phase is present.	April 2019
Chronic human health risk - Soils	C4SL	Category 4 Screening Levels (DEFRA)	May 2021
	S4UL	Suitable 4 Use Levels (LQM)	August 2015
	ATK	Atrisk Soil Screening Values (Atkins)	June 2017
	CL:AIRE	Generic Assessment Criteria (CL:AIRE)	Jan 2010

Chronic human health risk (soils)

Scenario	
End user	Proposed site user
Receptor	Residential without homegrown produce
SOM	1.00%
GAC Preference	C4SLs over S4ULs

Contaminant	Guideline source	Guideline value (mg/kg)	Max value (mg/kg)	Location	WS01	WS02	WS03	WS04	WS05
				Depth (m)	0.30 - 0.70	0.30 - 0.60	0.10 - 0.20	0.40 - 0.80	0.10 - 0.20
				Date	27/11/23	27/11/23	27/11/23	27/11/23	27/11/23
Inorganics - Metals									
Arsenic	C4SL	40	21		21	17	8.9	15	16
Beryllium	S4UL	1.7	1.3		1.3	1.1	0.6	1.3	0.8
Boron	S4UL	11000	1.2		< 0.40	1.2	< 0.40	< 0.40	0.69
Cadmium	C4SL	150	0.88		0.43	0.34	0.15	0.88	0.32
Chromium (III)	S4UL	910	43		37	11	18	43	16
Chromium (VI)	C4SL	21	<LoD		< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
Copper	S4UL	7100	150		100	93	26	150	46
Cyanide - Free	ATK	34	0.8		< 0.50	< 0.50	< 0.50	< 0.50	0.8
Lead	C4SL	310	3900		1200	2100	85	3900	360
Mercury	S4UL	56	1.1		0.19	0.15	0.1	0.2	1.1
Nickel	S4UL	180	36		36	18	16	30	18
Selenium	S4UL	430	1.1		1.1	0.86	0.9	0.94	0.98
Vanadium	S4UL	1200	27		27	25	23	27	27
Zinc	S4UL	40000	630		500	100	75	630	120
Inorganics - Asbestos									
Asbestos Type		N/A			-	-	-	-	-
Asbestos Screen		N/A			No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Inorganics - Soil Parameters									
Organic matter		N/A			4.7		12		13
Organics - PAH & Phenol									
Acenaphthene	S4UL	3000	0.6		< 0.10	< 0.10	< 0.10	0.15	0.6
Acenaphthylene	S4UL	2900	<LoD		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Anthracene	S4UL	31000	0.81		0.19	< 0.10	< 0.10	0.29	0.81
Benzo(a)anthracene	S4UL	11	2.6		0.38	0.36	0.22	1.3	2.6
Benzo(a)pyrene	C4SL	5.3	2.6		0.37	< 0.10	< 0.10	1.4	2.6
Benzo(b)fluoranthene	S4UL	3.9	3.4		0.57	< 0.10	< 0.10	2	3.4
Benzo(ghi)perylene	S4UL	360	1.5		0.39	< 0.10	< 0.10	0.94	1.5
Benzo(k)fluoranthene	S4UL	110	1.6		0.37	< 0.10	< 0.10	0.87	1.6
Chrysene	S4UL	30	2.6		0.45	0.39	0.22	1.4	2.6
Dibenz(a,h)anthracene	S4UL	0.31	0.43		0.25	< 0.10	< 0.10	< 0.10	0.43
Fluoranthene	S4UL	1500	6.3		0.82	0.7	0.5	3.1	6.3
Fluorene	S4UL	2800	0.4		0.12	< 0.10	< 0.10	< 0.10	0.4
Indeno(1,2,3-cd)pyrene	S4UL	45	1.6		0.32	< 0.10	< 0.10	0.95	1.6
Naphthalene	S4UL	2.3	0.27		< 0.10	< 0.10	< 0.10	0.27	0.27
Phenanthrene	S4UL	1300	3.7		0.45	0.49	0.28	1.3	3.7
Phenol	S4UL	440	<LoD		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10
Pyrene	S4UL	3700	5.3		0.76	0.68	0.42	2.7	5.3
Organics - Banded TPH (unspeciated)									
EC >5-EC6 (unspeciated)	S4UL	42	<LoD		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
EC >6-EC7 (unspeciated)	S4UL	100	<LoD		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
EC >7-EC8 (unspeciated)	S4UL	100	<LoD		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
EC >08-EC10 (unspeciated)	S4UL	27	<LoD		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
EC >10-EC12 (unspeciated)	S4UL	130	<LoD		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
EC >12-EC16 (unspeciated)	S4UL	1100	<LoD		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
EC >16-EC21 (unspeciated)	S4UL	1900	<LoD		< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
EC >21-EC35 (unspeciated)	S4UL	1900	<LoD	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	

Acute human health risk (soils)

Scenario	Public exposure
Critical receptor	Young female child (1 to 2 years old)
Oral exposure	Ingestion of a single 5g bolus of soil whilst playing on site
Demal exposure	Soil being left on the skin for several hours
Inhalation exposure	30 mins exposure to a child off-site, from dusts and vapours generated during excavation

Contaminant	Guideline source	Principal pathway	Guideline value (mg/kg)	Max value (mg/kg)	Location	WS01	WS02	WS03	WS04	WS05
					Depth (m)	0.30 - 0.70	0.30 - 0.60	0.10 - 0.20	0.40 - 0.80	0.10 - 0.20
					Date	27/11/23	27/11/23	27/11/23	27/11/23	27/11/23
Inorganics										
Arsenic	AGAC	Oral	80	21		21	17	8.9	15	16
Cadmium	AGAC	Oral	140	0.88		0.43	0.34	0.15	0.88	0.32
Cyanide - Free	AGAC	Oral	24	0.8		< 0.50	< 0.50	< 0.50	< 0.50	0.8
Organics										
Phenol	AGAC	Oral	2,000	<LoD		< 0.10	< 0.10	< 0.10	< 0.10	< 0.10

Appendix J Consultants Coal Mining Report



The Coal
Authority

Consultants Coal Mining Report

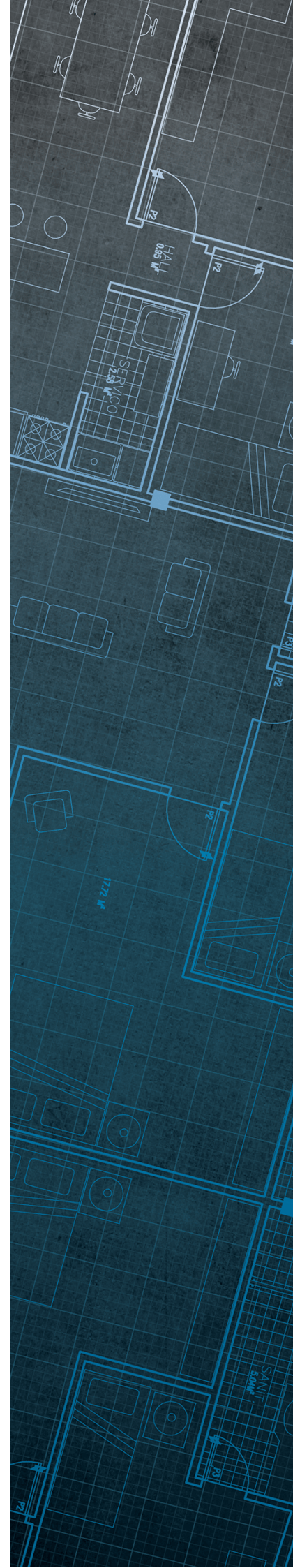
Hornby Street
Heywood
Rochdale
OL10 1AB

Date of enquiry:
Date enquiry received:
Issue date:

16 November 2023
16 November 2023
16 November 2023

Our reference:
Your reference:

51003389841001
STV6299



Consultants

Coal Mining Report

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

Client name

Soiltechnics Limited

Enquiry address

Hornby Street
Heywood
Rochdale
OL10 1AB

How to contact us

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

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

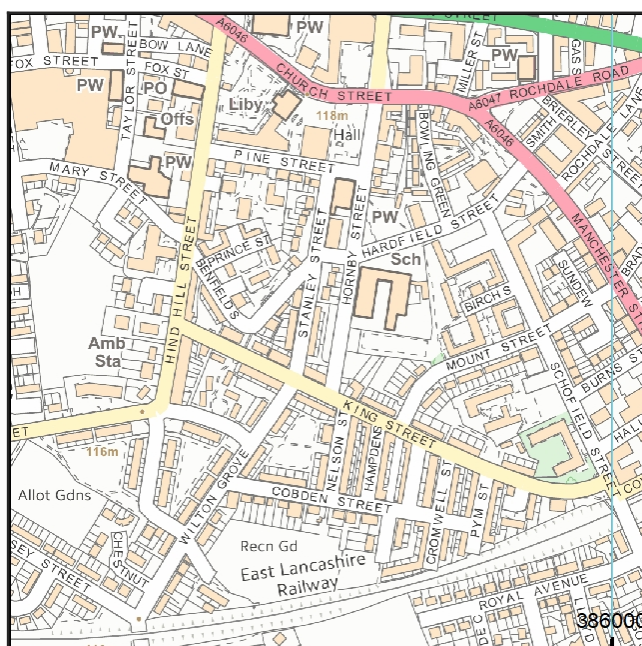
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

16820		
-------	--	--

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
UNNAMED 4	Coal	Yes	Within	N/A	323

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

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

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

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

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

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

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

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

Withdrawal of support notices

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

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

Payments to owners of former copyhold land

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

Section 4 – Further information

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

Future development

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

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

Section 5 – Data definitions

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

Past underground coal mining

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

Probable unrecorded shallow workings

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

Spine roadways at shallow depth

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

Mine entries

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

Abandoned mine plan catalogue numbers

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

Outcrops

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

Geological faults, fissures and breaklines

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

Opencast mines

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

Coal Authority managed tips

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

Site investigations

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

Remediated sites

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

Coal mining subsidence

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

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

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

Mine gas

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

Mine water treatment schemes

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

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

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

Future underground mining

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

Coal mining licensing

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

Court orders

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

Section 46 notices

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

Withdrawal of support notices

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

Payment to owners of former copyhold land

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

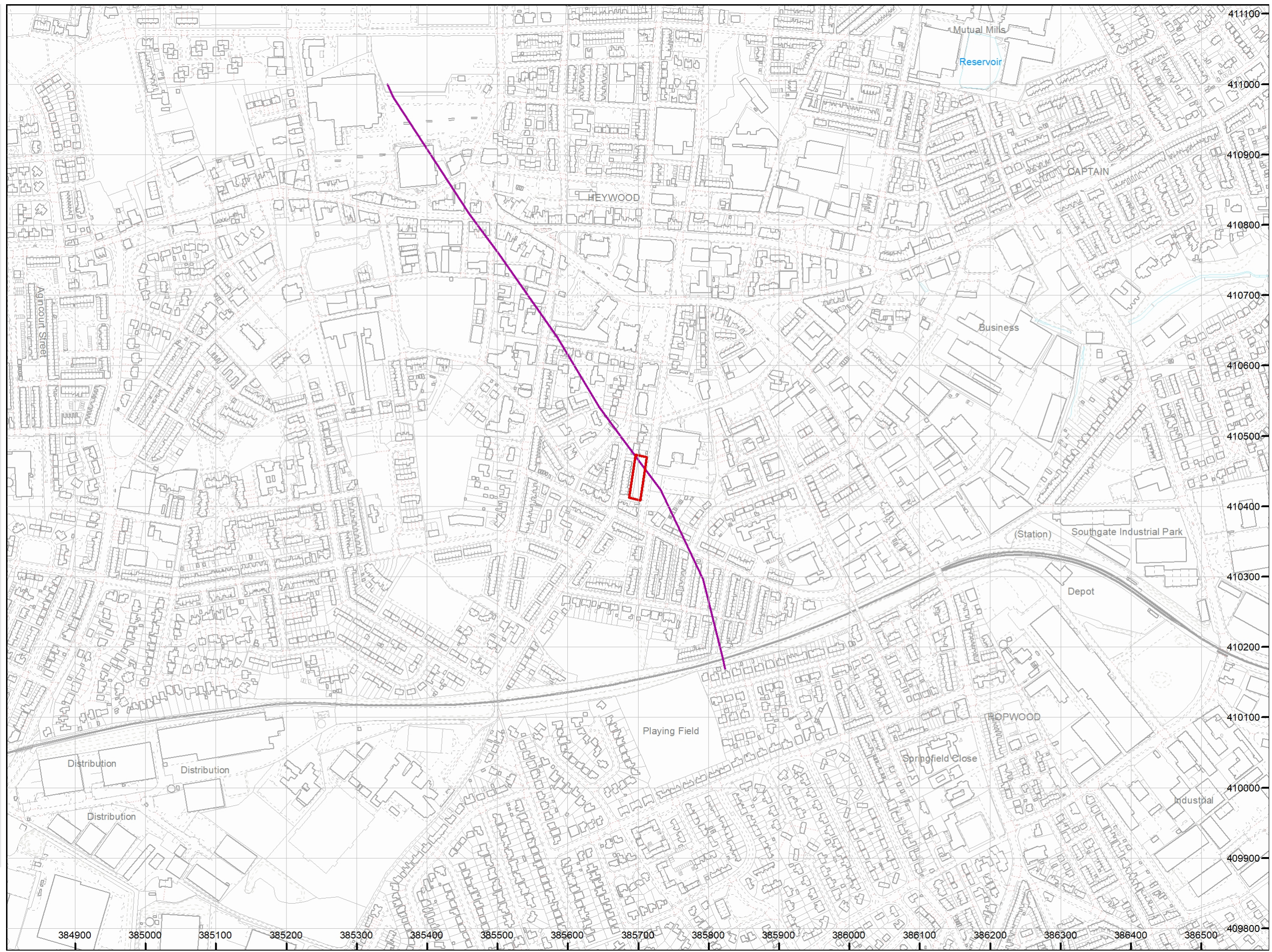
The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

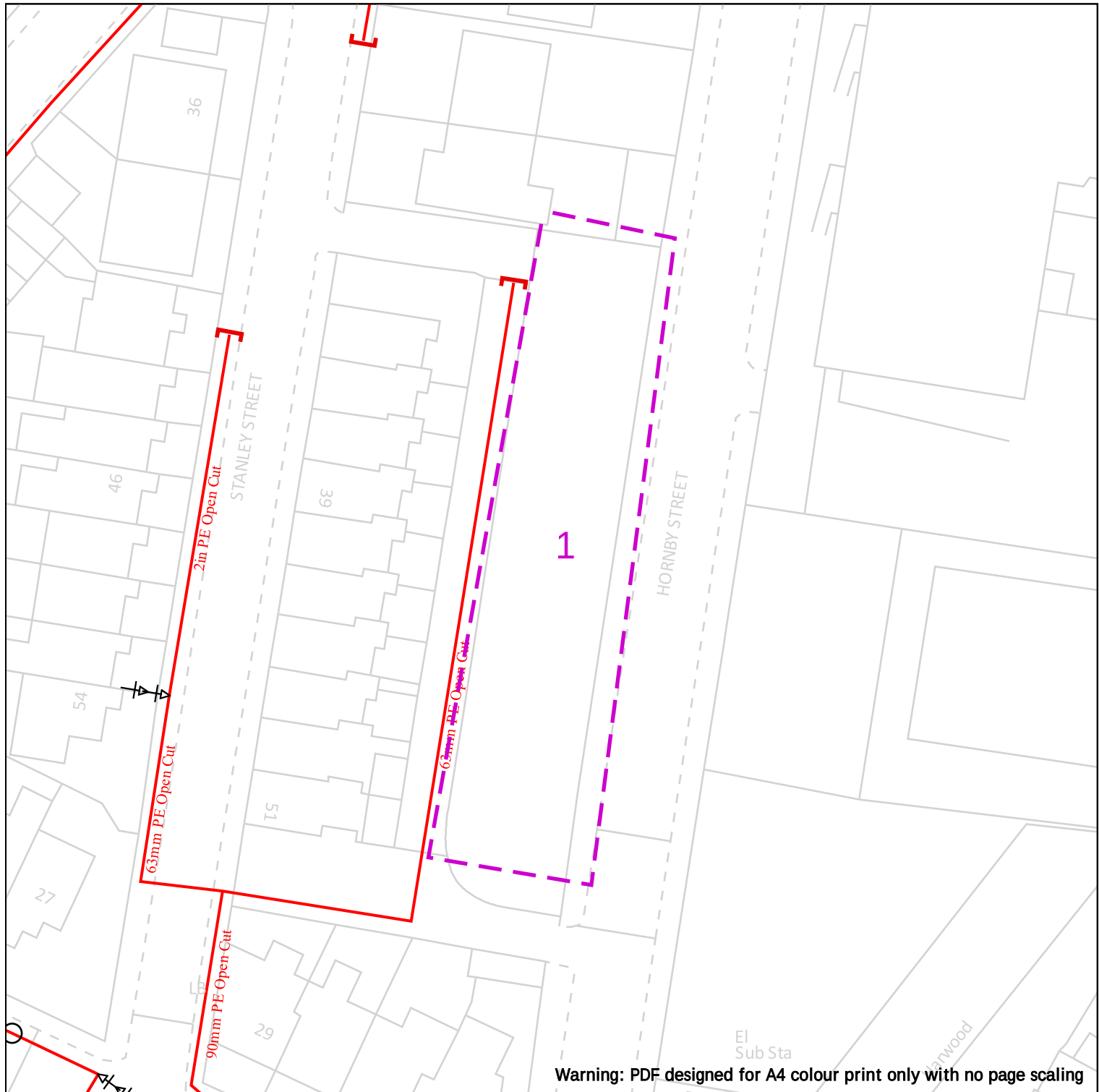
Approximate position of the enquiry boundary shown 

Outcrop (Proven) 

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

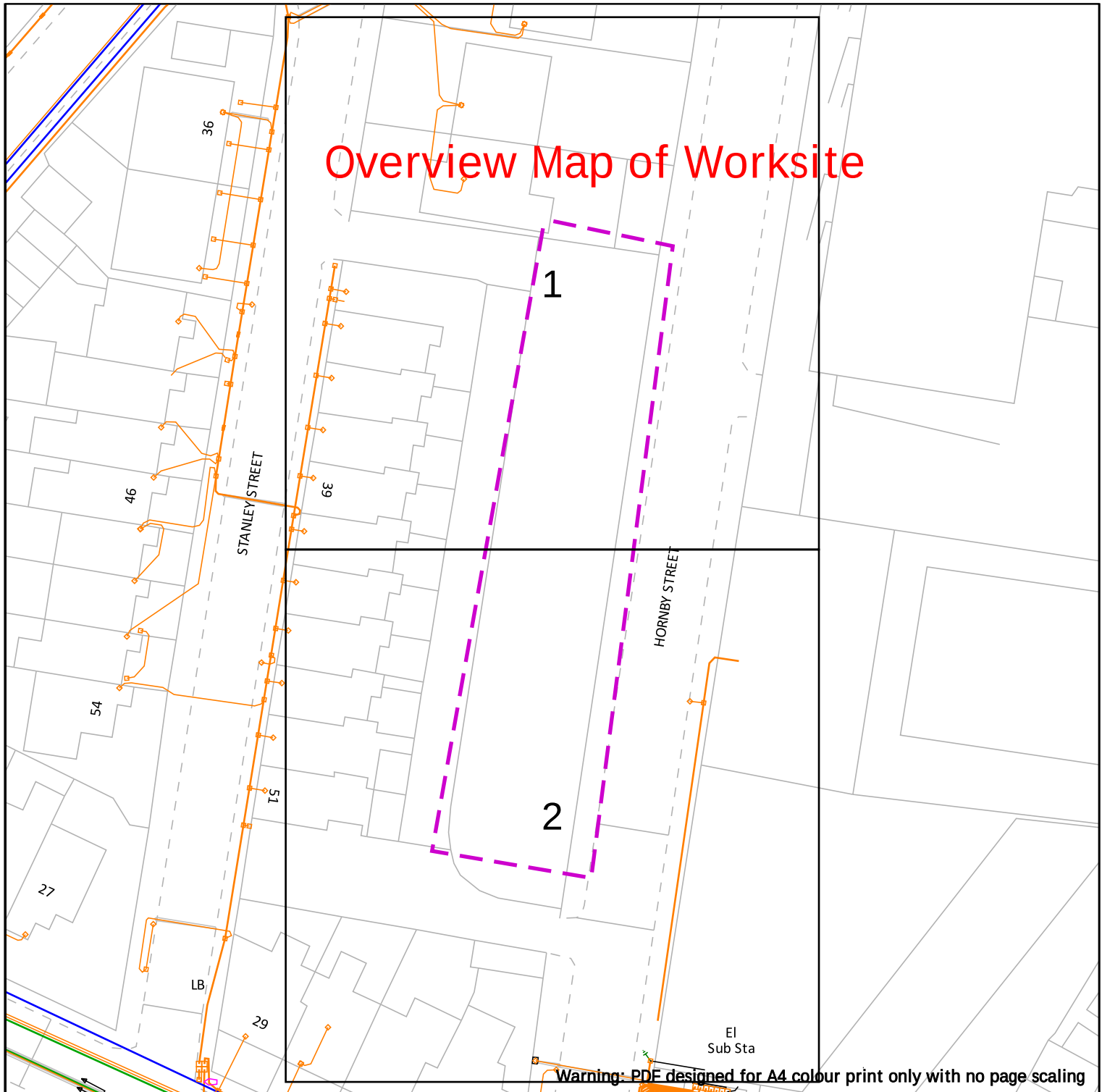


Appendix K Utility Service Plans



	Dig Sites Area: --- Line: --- --- LP Mains --- MP Mains --- IP Mains --- LHP Mains X Valve V Depth of cover O Syphon + Diameter Change Material Change ! Out of Standard Service Where an out-of-standard service is present please contact plant protection 0800 688 588 for further information. Out-of-standard service symbology may be used to indicate one or more of the following: • Identification of shallow services • Identification of dual services • Recording of non-perpendicular services A perpendicular service/connection is laid in a straight line from the entry point at the property to the connection at the main – this includes a pipe that has a perpendicular connection and is not straight but does not deviate more than 1m off centre line.
Date Requested: 16/11/2023 Job Reference: 31562816 Site Location: 385706 410412 Requested by: Miss Lauren Wenham Your Scheme/Reference: STV6299 View extent: 100m, 100m Scale: 1:500 (When plotted at A4)	IMPORTANT NOTICES This plan shows these pipes owned by Cadent Gas Limited in its role as a Licensed Gas Transporter (GT). Gas pipes owned by other GT's or otherwise privately owned may be present in this area. Information with regards to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Cadent Gas Limited or their agents, servants or contractors for any errors or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue. In case of emergency call - 0800 111 999 Crown Copyright © - This plan is reproduced from or based on the OS map by Cadent Gas Limited, with the sanction of the controller of HM Stationary Office. Crown Copyright Reserved. Ordnance Survey Licence number 100024886

Overview Map of Worksite



Data Management
Electricity North West
Linley House
Dickinson Street
Manchester, M1 4LF
Phone: 0800 195 4141
Email: planrequest@enwl.co.uk

Date Requested: 16/11/2023
Job Reference: 31562816
Site Location: 385706 410412
Requested by: Miss Lauren Wenham
Your Scheme/Reference: STV6299

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	

In an emergency call 105,
24 hours a day

Dig Sites
Line:
Area:

IMPORTANT INFO

Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing or from any regulatory loss of income or incentive, or expense, which may be suffered by Electricity North West Limited and which is caused or contributed to by any loss of supply as a result of any damage caused to Electricity North West Limited's equipment. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited. Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines". Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949

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Scale: 1:512 (When plotted at A4)



Warning: PDF designed for A4 colour print only with no page scaling



Data Management
Electricity North West
Linley House
Dickinson Street
Manchester, M1 4LF
Phone: 0800 195 4141
Email: planrequest@enwl.co.uk

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	

In an emergency call 105,
24 hours a day

Dig Sites

Line:

Area:

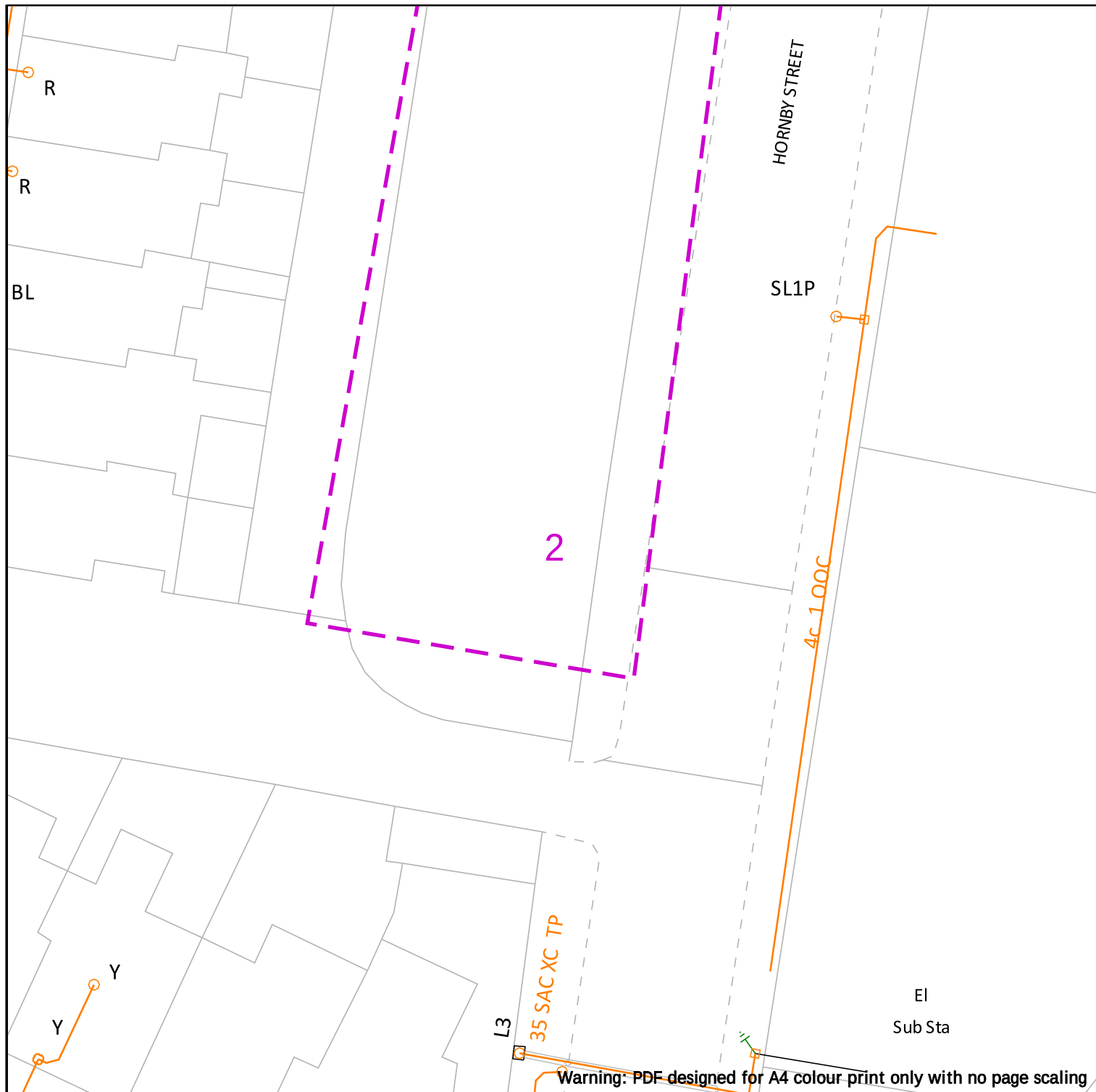
Date Requested: 16/11/2023
Job Reference: 31562816
Site Location: 385706 410412
Requested by: Miss Lauren Wenham
Your Scheme/Reference: STV6299

IMPORTANT INFO

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Scale: 1:250 (When plotted at A4)

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Data Management
Electricity North West
Linley House
Dickinson Street
Manchester, M1 4LF
Phone: 0800 195 4141
Email: planrequest@enwl.co.uk

Date Requested: 16/11/2023
Job Reference: 31562816
Site Location: 385706 410412
Requested by: Miss Lauren Wenham
Your Scheme/Reference: STV6299

Operating Voltage	Colour Code	Line Colour
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33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	

In an emergency call 105,
24 hours a day

Dig Sites

Line:

Area:

IMPORTANT INFO

Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing or from any regulatory loss of income or incentive, or expense, which may be suffered by Electricity North West Limited and which is caused or contributed to by any loss of supply as a result of any damage caused to Electricity North West Limited's equipment. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited.

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Scale: 1:250 (When plotted at A4)

Enquirer

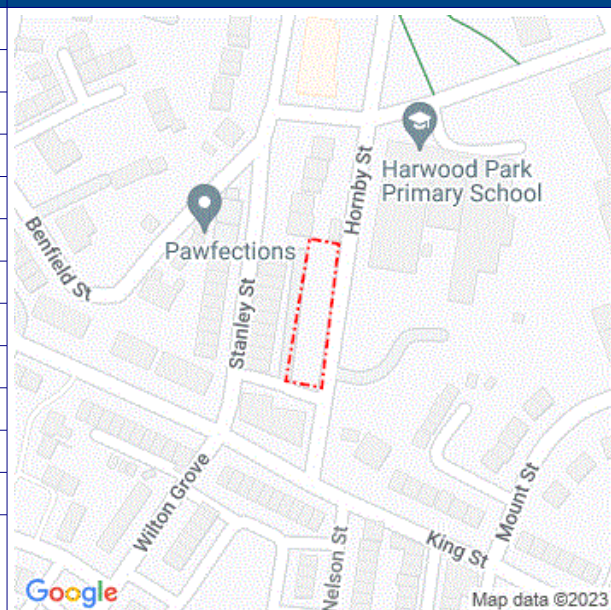
Name	Miss Lauren Wenham	Phone	01604 781877
Company	Soiltechnics Ltd	Mobile	Not Supplied
Address	Cedar Barn Cedar Barn White Lodge Walgrave Northamptonshire NN6 9PY		
Email	admin@soiltechnics.net		

Enquiry Details

Enquiry type	Planned Works
Work category	Development Projects
Work type	Commercial/industrial
Work type buffer*	75 metres
Start date	17/11/2023
End date	17/11/2023
Scheme/Reference	STV6299
Search location	XY= 385703, 410439
Confirmed location	385706 410412
Site size	0 metres square
Site Contact Name	Admin Soiltechnics
Site Phone No.	01604781877
Description of Works	na

* The WORK TYPE BUFFER is a distance added to your search area based on the Work type you have chosen.

Site Map



Please note that the above map only displays the location of the proposed work site and will not display any of the Members' pipes and cables. It is imperative that this area accurately reflects the proposed work site.

Affected LSBUD members

(LSBUD Members who have assets registered on LSBUD within the vicinity of your search area.)

Asset Owner	Phone/Email	Emergency Only	Status
Cadent Gas	0800688588	0800111999	Await response
Electricity North West Limited	08001954141	08001954141	Await response

Status explanation

Await Response means that the asset owner will contact you. This is typically by sending the plan response but they may ask for further information before being able to do so, particularly if any payments or authorisations are required.

Email Additional Info means that the asset owner needs further information about your works to assess your enquiry before providing a response. Please provide any details you have available including plans, method statements etc. if available.

Important notices

It is very important that you correctly understand what the service does and the procedures in order for you to work safely. Please refer to the LSBUD Support Page (www.lsbud.co.uk/lineasearchbeforeudig-support) for further guidance.

This information includes how to provide additional information to the LSBUD Members who request it to provide a response to your enquiry.

Validity and search criteria. The results of this enquiry are based on the confirmed information you entered and are valid only as at the date and time of the enquiry. It is your responsibility to ensure that the Enquiry Details are correct, and LineasearchbeforeUdig (LSBUD) accepts no responsibility for any errors or omissions in the Enquiry Details or any consequences thereof. LSBUD Members update their asset information on a regular basis so you are advised to consider this when undertaking any works. It is your responsibility to choose the period of time after which you need to resubmit any enquiry but the maximum time (after which your enquiry will no longer be dealt with by the LSBUD Helpdesk and LSBUD Members) is 28 days. If any details of the enquiry change, particularly including, but not limited to, the location of the work, then a further enquiry must be made.

Terms and Conditions. Please note that this enquiry is subject always to our standard terms and conditions available at www.lsbud.co.uk ("Terms of Use") and the disclaimer at the end of this document. Please note that in the event of any conflict or ambiguity between the terms of this Enquiry Confirmation and the Terms of Use, the Terms of Use shall take precedence.

List of not affected LSBUD members

(LSBUD Members who do not have assets registered on the LSBUD service within the vicinity of your search area.)

Angus Energy	AWE Pipeline	B & D Energy Limited
Balfour Beatty Investments Limited	BOC Limited (A Member of the Linde Group)	Box Broadband
BP Exploration Operating Company Limited	BPA	Cambridgeshire County Council Climate Change and Energy Services
CATS Pipeline c/o Wood Group PSN	Cemex	Centrica Storage Ltd
CNG Services Ltd	Concept Solutions People Ltd	ConocoPhillips (UK) Teesside Operator Ltd
D.S.Smith	Diamond Transmission Corporation	DIO (MOD Abandoned Pipelines)
DIO (MOD Live Pipelines)	E.ON UK CHP Limited	EDF Energy Renewables Ltd
EirGrid	Eleclink Limited	Energy Assets Networks
ENI & Himor c/o Penspen Ltd	EnQuest NNS Limited	EP Langage Limited
ESB CCGT Power station (Carrington Gas Pipeline)	ESP Utilities Group	ESSAR
Esso Petroleum Company Limited	euNetworks Fiber UK Ltd	EXA Infrastructure
Exolum Pipeline System	Fulcrum Electricity Assets Limited	Fulcrum Pipelines Limited
Gamma	Gas Networks Ireland (UK)	Gateshead Energy Company
Gigaclear Ltd	Harbour Energy	Heathrow Airport LTD
Humbly Grove Energy	IGas Energy	INEOS FPS Pipelines
INEOS Manufacturing (Scotland and TSEP)	INOBYN ChlorVinyls Limited	INOBYN Enterprises Limited
Intergen (Coryton Energy or Spalding Energy)	Jurassic Fibre Ltd	Kensa Utilities
Last Mile	Mainline Pipelines Limited	Manchester Jetline Limited
Manx Cable Company	Marchwood Power Ltd (Gas Pipeline)	Melbourn Solar Limited
Moray East Offshore Windfarm	MUA Group Limited	National Gas Transmission
National Grid Electricity Distribution	National Grid Electricity Transmission	National Grid Ventures
Neos Networks	Northern Gas Networks Limited	Northumbrian Water Group
NPower CHP Pipelines	NTT Global Data Centers EMEA UK Ltd	NYnet Ltd
Ogi	Oikos Storage Limited	Ørsted
Palm Paper Ltd	Perenco UK Limited (Purbeck Southampton Pipeline)	Petroineos
Phillips 66	Portsmouth Water	Premier Transmission Ltd (SNIP)
Redundant Pipelines - LPDA	RWE - Great Yarmouth Pipeline (Bacton to Great Yarmouth Power Station)	RWEnpower (Little Barford and South Haven)
SABIC UK Petrochemicals	SAS Utility Services Ltd	Scottish and Southern Electricity Networks
Scottish Power Generation	Seabank Power Ltd	SES Water
SGN	Shell	Shell NOP
SP Energy Networks	Spring Fibre Limited	Squire Energy Networks
SSE Generation Ltd	SSE Transmission	SSE Utility Solutions Limited

Storengy	Tata Communications (c/o JSM Construction Ltd)	TfL – London Underground HV Cables (Road Side Cables)
Total Colnbrook Pipelines	Total Finaline Pipelines	Transmission Capital
Trojan Energy Limited	UK Power Networks	Uniper UK Ltd
University of Cambridge Granta Backbone Network	Vattenfall	Veolia ES SELCHP Limited
Veolia ES Sheffield Ltd	Voneus Limited	VPI Power Limited
Wales and West Utilities	West of Duddon Sands Transmission Ltd	Westminster City Council
Zayo Group UK Ltd c/o JSM Group Ltd		

Non-LSBUD members (Asset owners not registered on LSBUD)

(The following Non-LSBUD Members may have assets in your search area. It is YOUR RESPONSIBILITY to contact them before proceeding.

Please be aware this list is not exhaustive and it is your responsibility to identify and contact all asset owners within your search area.)

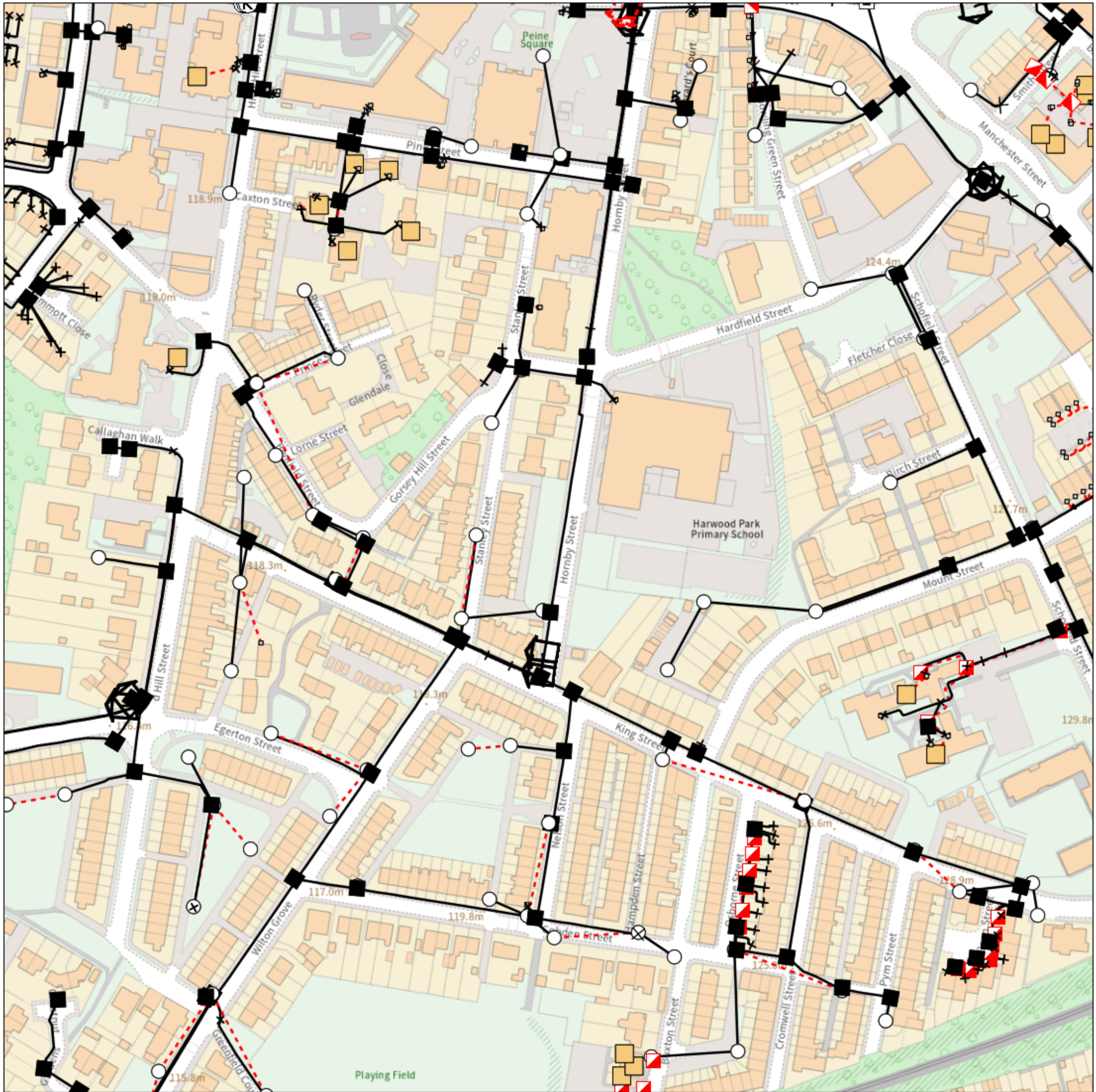
Asset Owner	Preferred contact method	Phone	Status
BT	https://www.swns.bt.com/pls/mbe/welcome.home	08000232023	Not Notified
CityFibre	asset.team@cityfibre.com	033 3150 7282	Not Notified
Colt	plantenquiries@catelecomuk.com	01227768427	Not Notified
Equans	nrsua.uk@equans.com	0800 130 3600	Not Notified
GTC	https://pe.gtc-uk.co.uk/PlantEnqMembership	01359240363	Not Notified
Lumen Technologies	plantenquiries@ocugroup.com	02087314613	Not Notified
Mobile Broadband Network Limited	mbnl.plant.enquiries@turntown.com	01212 621 100	Not Notified
Sky UK Limited	nrsua@sky.uk	02070323234	Not Notified
Sota	sota.plantenquiries@ocugroup.com		Not Notified
United Utilities	WastewaterDeveloperServices@uuplc.co.uk	08707510101	Not Notified
Utility assets Ltd	assetrecords@utilityassets.co.uk		Not Notified
Verizon Business	osp-team@uk.verizonbusiness.com	01293611736	Not Notified
Virgin Media	http://www.digdat.co.uk	08708883116	Not Notified
Vodafone	osm.enquiries@atkinsglobal.com	01454662881	Not Notified

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Maps by email Plant Information Reply



IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.



openreach

CLICK BEFORE YOU DIG

FOR PROFESSIONAL FREE ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS INCLUDING LOCATE AND MARKING SERVICE

email cbyd@openreach.co.uk

ADVANCE NOTICE REQUIRED
(Office hours: Monday - Friday 08.00 to 17.00)
www.openreach.co.uk/cbyd

Accidents happen

If you do damage any Openreach equipment please let us know by calling 0800 023 2023 (opt 1 + opt 1) and we can get it fixed ASAP

KEY TO BT SYMBOLS

	Planned	Live	Change Of State	+	Hatchings	
PCP			Split Coupling	X	Built	
Pole			Duct Tee	▲	Planned	
Box			Building		Inferred	
Manhole			Kiosk	K	Duct	
Cabinet			Other proposed plant is shown using dashed lines. BT Symbols not listed above may be disregarded. Existing BT Plant may not be recorded. Information valid at time of preparation. Maps are only valid for 90 days after the date of publication.			
	Pending Add	In Place	Pending Remove	Not In Use		
Power Cable						
Power Duct				N/A		

BT Ref : UEU12512Q

Map Reference : (centre) SD8570310439

Easting/Northing : (centre) 385703,410439

Issued : 16/11/2023 12:51:34

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WARNING: IF PLANNED WORKS FALL INSIDE HATCHED AREA IT IS ESSENTIAL BEFORE PROCEEDING THAT YOU CONTACT THE NATIONAL NOTICE HANDLING CENTRE. PLEASE SEND E-MAIL TO: nnhc@openreach.co.uk

Soiltechnics

**Soiltechnics
Cedar Barn,
Walgrave,
NN6 9PY**

FAO:**How to contact us:**

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

Telephone: 0370 7510101**E-mail: propertysearches@uuplc.co.uk**

**Your Ref: STV6299
Our Ref: UUPS-ORD-531769
Date: 17/11/2023**

Dear Sirs**Location: 15 MILLFIELD HORNBY STREET, HEYWOOD, OL10 1AB**

I acknowledge with thanks your request dated 16/11/2023 for information on the location of our services.

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

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

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

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

If you have any queries regarding this matter please [contact us](#).

Yours Faithfully,



Karen McCormack
Property Searches Manager

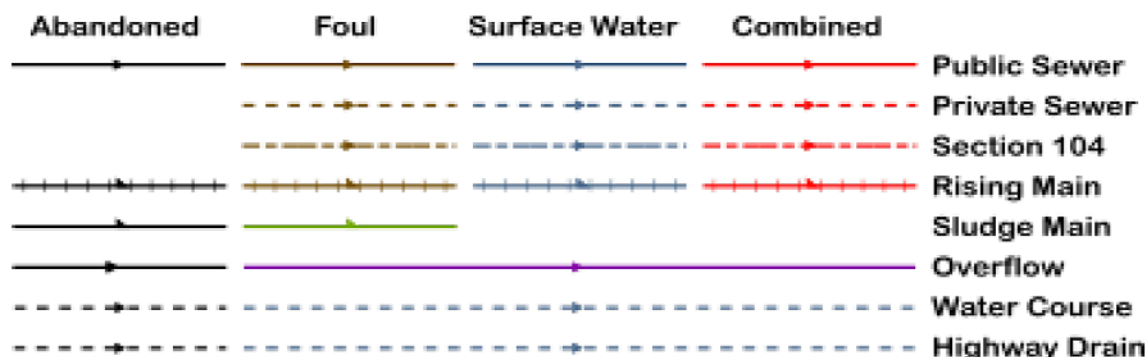
TERMS AND CONDITIONS - WASTEWATER AND WATER DISTRIBUTION PLANS

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

TERMS AND CONDITIONS:

- This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.
- This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.
- In particular, the position and depth of any UUWL apparatus shown on the Map are approximate only. UUWL strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UUWL apparatus. The exact location, positions and depths should be obtained by excavation trial holes.
- The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.
- The position and depth of UUWL apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.
- This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UUWL apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.
- No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UUWL apparatus by reason of the actual position and/or depths of UUWL apparatus being different from those shown on the Map and any information supplied with it.
- If any provision contained herein is or becomes legally invalid or unenforceable, it will be taken to be severed from the remaining provisions which shall be unaffected and continue in full force and effect.
- This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UUWL from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.

Wastewater Symbolology



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

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

Clean Water Symbolology

Proposed	Abandoned	Live	
			Distribution Main
			Trunk Main
			Comms Pipe
			Private Pipe
			Concessionary Service
			Raw Water
			LDTM Raw Water
			LDTM Treated Water
			Air Valve
			AC Valve, open
			AC Valve, closed
			CC Valve, open
			CC Valve, closed
			Non Return Valve
			Pressure Management Valve
			OMS Valve
			Stop Tap
			Flow Meter
			Domestic Meter
			Commercial Meter
			Pump
			Hydrant
			Fire Hydrant
			Anode
			Chlorination Point
			De-chlorination Point
			Strainer Point
			Access Point
			Hatch Box
			IP Point
			Sampling Station
			Logger Box
			Bore Hole
			Inlet Point
			Bulk Supply Point
			End Cap
			Site Termination
			Change of Characteristic
			Condition Report
			<u>Property Types</u>
			Water Tower
			Valve House
			Booster Pumping Station
			Intake Pumping Station
			Water Treatment Works
			Supply Reservoir
			Service Reservoir
			Impounding Reservoir
			Pipe Bridge

Symbology for proposed assets is the same as above, but shown in **green**
 Symbology for abandoned assets is the same as above, but shown in **black**



Scale: 1:1250
Date: 17/11/2023

WATER MAINS RECORDS

Address or Site Reference: 15 MILLFIELD HORNBY STREET, HEYWOOD,
OL10 1AB

Printed by: Property Searches



Water for the North West

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

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Appendix L Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

325164398_1_1

Customer Reference:

STV6299

National Grid Reference:

385700, 410440

Slice:

A

Site Area (Ha):

0.11

Search Buffer (m):

1000

Site Details:

Hornby Street
Heywood

Client Details:

Ms S Ltd
Soiltechnics Limited
Cedar Barn
White Lodge
Walgrave
Northampton
NN6 9PY

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	16
Hazardous Substances	-
Geological	26
Industrial Land Use	31
Sensitive Land Use	75
Data Currency	76
Data Suppliers	83
Useful Contacts	84

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3				4
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 4			4	6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6			Yes	
Pollution Incidents to Controlled Waters	pg 6		1		1
Prosecutions Relating to Authorised Processes	pg 6			1	
Registered Radioactive Substances					
River Quality	pg 6			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 6				8 (*18)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 13	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 13			3	9

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 16				2
Historical Landfill Sites	pg 16				3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 17				7
Local Authority Landfill Coverage	pg 18	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 18		1	2	11
Potentially Infilled Land (Water)	pg 19		8	12	43
Registered Landfill Sites	pg 22				3
Registered Waste Transfer Sites	pg 24				2
Registered Waste Treatment or Disposal Sites	pg 24				2
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 26	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 26	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 28		1	2	5
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 30	Yes	n/a	n/a	n/a
Mining Instability	pg 30	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 30	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 30	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 30	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 30		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 31		16	101	143
Fuel Station Entries	pg 53		1	2	1
Points of Interest - Commercial Services	pg 54		2	30	62
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 61		8	61	67
Points of Interest - Public Infrastructure	pg 73			6	7
Points of Interest - Recreational and Environmental	pg 74				8
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 75				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: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	0	1	385700 410440
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	0	1	385700 410450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	71	1	385650 410350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	88	1	385800 410440
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	140	1	385850 410440
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	208	1	385700 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	208	1	385700 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (S)	214	1	385650 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	214	1	385750 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	230	1	385800 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	263	1	385750 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	278	1	385700 410750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	278	1	385700 410750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	287	1	385900 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	295	1	385550 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	297	1	385850 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	299	1	385950 410650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	312	1	385750 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	321	1	385500 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	323	1	385600 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	323	1	385800 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	328	1	385700 410800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	331	1	385650 410800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	331	1	385950 410700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	342	1	385600 410800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	347	1	386050 410550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (S)	362	1	385650 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	362	1	386050 410600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	363	1	385500 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	378	1	385700 410850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	386	1	385550 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	387	1	385850 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	388	1	386100 410450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	390	1	385600 410850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	391	1	385450 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	396	1	386100 410550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (S)	408	1	385700 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	412	1	385650 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	420	1	385800 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	426	1	385350 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (N)	431	1	385650 410900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	432	1	385450 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	433	1	385550 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	434	1	385850 410000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	438	1	386150 410450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	439	1	385600 410900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	439	1	386150 410440
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	441	1	385300 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	451	1	385500 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	453	1	385900 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	468	1	385800 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	469	1	385600 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	473	1	386050 410800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	477	1	385950 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	481	1	385850 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	493	1	386200 410400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	496	1	385300 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (N)	500	1	385550 410950
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Heywood Sso, John Street/Willow Street, Heywood, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016950219 Permit Version: 1 Effective Date: 31st July 1981 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Millers Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18SE (N)	545	2	385840 411000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: John Street Cso 35020 31 John Street, ., Heywood, Greater Manchester, OL10 4ll Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 016993768 Permit Version: 2 Effective Date: 4th June 2018 Issued Date: 4th June 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Millers Brook Via Sws Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SE (N)	549	2	385835 411005
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: John Street Cso 35020 31 John Street, ., Heywood, Greater Manchester, OL10 4ll Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01ROC0034 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 19th January 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Millers Brook Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A18SE (N)	553	2	385830 411010
2	Discharge Consents Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: John Street Cso 35020 31 John Street, ., Heywood, Greater Manchester, OL10 4ll Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 016993768 Permit Version: 1 Effective Date: 20th January 2006 Issued Date: 20th January 2006 Revocation Date: 3rd June 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Millers Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NE (N)	684	2	385890 411130
3	Local Authority Pollution Prevention and Controls Name: Sylvester Litton Ltd Location: Roeacre Tannery, Bradshaw Street, HEYWOOD, Lancashire, OL10 1PN Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 28 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/21 Hide and skin processes Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	350	3	386051 410558
4	Local Authority Pollution Prevention and Controls Name: Castleton Service StationStar Texaco Location: Manchester Road, ROCHDALE, Lancashire, OL10 2DZ Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14SW (E)	355	3	386064 410427

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Local Authority Pollution Prevention and Controls Name: Johnsons Dry Cleaners Location: 28 Market Place, Heywood, OL10 Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning Status: Application Not Yet Authorised Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	391	3	385520 410821
6	Local Authority Pollution Prevention and Controls Name: Tesco Petrol Station Location: York Street, Heywood, ROCHDALE, Lancashire, OL10 4HQ Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: P12/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A13NE (NE)	410	3	385984 410776
7	Local Authority Pollution Prevention and Controls Name: Pete Cordwell Ltd Location: Silvester House, Roe Acre Tannery, Heywood, ROCHDALE, Lancashire, OL10 1PN Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: Part B - General Waste Disposal Process (No Specific Reference) Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	549	3	386225 410664
7	Local Authority Pollution Prevention and Controls Name: Pgc Demolition And Skip Hire Location: Roe Acre Tannery, Bradshaw Street, Rochdale Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 131/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	549	3	386225 410664
8	Local Authority Pollution Prevention and Controls Name: Morrisons Petrol Station Location: Dawson Street, Heywood, ROCHDALE, Lancashire, OL10 4PU Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 93/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	591	3	385449 411008
9	Local Authority Pollution Prevention and Controls Name: Tarmac Topmix Location: Green Lane, HEYWOOD, Lancashire, OL10 2DY Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 8 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/1 Blending, packing, loading and use of bulk cement Status: Authorised Positional Accuracy: Automatically positioned to the address	A14SE (E)	871	3	386570 410325
10	Local Authority Pollution Prevention and Controls Name: Reeve (Derby) LtdPentagon Vauxhall Location: Green Lane, Heywood, ROCHDALE, Lancashire, OL10 2EP Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 59/10 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Authorised Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	884	3	386512 410052

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Local Authority Pollution Prevention and Controls Name: S. Carlick & Sons Ltd Location: River Street, Heywood, Lancashire, OL10 4AB Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 129/08 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/33 Wood coating Status: Permitted Positional Accuracy: Manually positioned to the address or location	A18NW (N)	982	3	385568 411446
	Nearest Surface Water Feature	A14NW (NE)	459	-	386098 410719
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; Chemical Spill Incident Date: 21st December 1996 Incident Reference: 96622570 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	101	2	385600 410500
13	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; None Pollution Found Incident Date: 31st October 1996 Incident Reference: 96622265 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	754	2	385900 411200
14	Prosecutions Relating to Authorised Processes Location: Land At Silvester House, Rose Acre Tannery, Bradshaw Street, Heywood, Lancashire, OL10 Prosecution Text: Operating an unlicensed waste disposal facility Prosecution Act: Epa90 S33(1)(A) Hearing Date: 2nd August 2005 Verdict: Guilty Fine: 3000 Costs: 2100 Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	467	2	386134 410669
	River Quality Name: Millers Bk GQA Grade: River Quality B Reach: Qsl At Roeacre Lodge To Roch Estimated Distance (km): 1.3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A19SW (NE)	500	2	386092 410795
15	Water Abstractions Operator: G. S. Cold Storage And Warehousing Ltd. Licence Number: 2569002082 Permit Version: 102 Location: Boreholes (2) At Premises, Roeacre Tannery, Heywood, L\$97 Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises, Roeacre Tannery, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (E)	505	2	386200 410600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Water Abstractions Operator: Litton Ltd Licence Number: 2569002082 Permit Version: 101 Location: Boreholes (2) At Premises, Roeacre Tannery, Heywood, L\$97 Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Premises, Roeacre Tannery, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd June 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (E)	505	2	386200 410600
16	Water Abstractions Operator: Roe Acre Dyeing & Felting Co. Ltd. Licence Number: 2569002022 Permit Version: Not Supplied Location: Reservoir Fed By Roe Acre Brook, Roe Acre Dam, HEYWOOD Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 2309 Yearly Rate (m3): 340950 Details: Additional Purpose: Boiler feed; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	538	2	386200 410695
16	Water Abstractions Operator: G. S. Cold Storage And Warehousing Ltd. Licence Number: 2569002082 Permit Version: 102 Location: Boreholes (2) At Premises, Roeacre Tannery, Heywood Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises, Roeacre Tannery, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	540	2	386200 410700
16	Water Abstractions Operator: Litton Ltd Licence Number: 2569002082 Permit Version: 101 Location: Boreholes (2) At Premises, Roeacre Tannery, Heywood Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 546 Yearly Rate (m3): 134016 Details: Premises, Roeacre Tannery, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd June 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	540	2	386200 410700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Water Abstractions Operator: Mutual Mills Ltd Licence Number: 2569002124 Permit Version: Not Supplied Location: Millers Brook, HEYWOOD, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Drinking; Cooking; Sanitary; Washing For Industrial Premises Abstraction Type: Not Supplied Source: River Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Additional Purpose: Domestic - industrial; 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	A18NE (N)	785	2	386000 411200
18	Water Abstractions Operator: Oak Brewing Company Ltd Licence Number: 2569002029 Permit Version: 100 Location: Borehole At Premises, Green Lane, Heywood Authority: Environment Agency, North West Region Abstraction: Food And Drink: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 218 Yearly Rate (m3): 79646 Details: Premises At Green Lane, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th November 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	855	2	386500 410100
19	Water Abstractions Operator: Mutual Mills Ltd Licence Number: 2569002124 Permit Version: Not Supplied Location: Two Reservoirs & Millers Brook, HEYWOOD, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Drinking; Cooking; Sanitary; Washing For Industrial Premises Abstraction Type: Not Supplied Source: River Daily Rate (m3): 45 Yearly Rate (m3): 7274 Details: Additional Purpose: Domestic - industrial; 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	A19NW (NE)	878	2	386200 411200
	Water Abstractions Operator: Tarmac Topmix Ltd Licence Number: 2569002257 Permit Version: 100 Location: Borehole At Green Lane, Heywood Authority: Environment Agency, North West Region Abstraction: Construction: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 35 Yearly Rate (m3): 10000 Details: Land & Prems-Green Lane, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th June 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SE (E)	1019	2	386700 410200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Roe Acre Dyeing & Finishing Co Ltd Licence Number: 2569002266 Permit Version: Not Supplied Location: Crimble Mill, Crimble Lane, HEYWOOD, Lancashire, OL10 4DJ Authority: Environment Agency, North West Region Abstraction: Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 118300 Details: Unnamed Tributary Of River Roch; Textiles; Type: Abstraction; Status: Current 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	A19NE (NE)	1357	2	386700 411400
	Water Abstractions Operator: Roe Acre Dyeing & Felting Co Ltd Licence Number: 2569002270 Permit Version: 100 Location: River Roch At Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Crimble Mill, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th June 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SE (NE)	1373	2	386620 411500
	Water Abstractions Operator: Roe Acre Dyeing & Felting Co Ltd Licence Number: 2569002270 Permit Version: 100 Location: River Roch At Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Crimble Mill, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th June 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SE (NE)	1373	2	386620 411500
	Water Abstractions Operator: Roe Acre Dyeing & Finishing Co Ltd Licence Number: 2569002028 Permit Version: Not Supplied Location: River Roch, Crimble Mills, HEYWOOD Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 55 Yearly Rate (m3): 18184 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	A24SE (NE)	1377	2	386505 411595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: K.Shaw & Company Ltd. Licence Number: 2569002037 Permit Version: 100 Location: Borehole At Premises, Crimble Mills, Heywood Authority: Environment Agency, North West Region Abstraction: Textiles & Leather: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 873 Yearly Rate (m3): 227304 Details: Crimble Mills, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24SE (NE)	1378	2	386500 411600
	Water Abstractions Operator: K.Shaw & Company Ltd. Licence Number: 2569002037 Permit Version: 100 Location: Borehole At Premises, Crimble Mills, Heywood Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Crimble Mills, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SE (NE)	1378	2	386500 411600
	Water Abstractions Operator: Devon Valley Limited Licence Number: 2569002255 Permit Version: 103 Location: Naden Brook At Simpson Clough, Heywood Authority: Environment Agency, North West Region Abstraction: Paper And Printing: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Simpson Clough Mill, Heywood, Lancs. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd May 2023 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1790	2	385360 412230
	Water Abstractions Operator: Union Papertech Limited Licence Number: 2569002255 Permit Version: 102 Location: Naden Brook At Simpson Clough, Heywood Authority: Environment Agency, North West Region Abstraction: Paper And Printing: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Simpson Clough Mill, Heywood, Lancs. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1790	2	385360 412230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J R Crompton Ltd Licence Number: 2569002255 Permit Version: 101 Location: Naden Brook At Simpson Clough, Heywood Authority: Environment Agency, North West Region Abstraction: Paper And Printing: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Simpson Clough Mill, Heywood, Lancs. Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th October 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1790	2	385360 412230
	Water Abstractions Operator: James Swallow Ltd Licence Number: 2569002217 Permit Version: 100 Location: Borehole At Butterworth Fold Farm Bamford Rochdale Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 33186 Details: Butterworth Fold Farm, Bamford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1931	2	385800 412400
	Water Abstractions Operator: Devon Valley Limited Licence Number: 2569002166 Permit Version: 102 Location: Cheesden Brook At Simpson Clough Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Simpson Clough, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd May 2023 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1968	2	385300 412400
	Water Abstractions Operator: Devon Valley Limited Licence Number: 2569002166 Permit Version: 102 Location: Cheesden Brook At Simpson Clough Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Simpson Clough, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd May 2023 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1968	2	385300 412400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Union Papertech Limited Licence Number: 2569002166 Permit Version: 101 Location: Cheesden Brook At Simpson Clough Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Simpson Clough, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1968	2	385300 412400
	Water Abstractions Operator: Union Papertech Limited Licence Number: 2569002166 Permit Version: 101 Location: Cheesden Brook At Simpson Clough Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Simpson Clough, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1968	2	385300 412400
	Water Abstractions Operator: J R Crompton Ltd Licence Number: 2569002166 Permit Version: 100 Location: Cheesden Brook At Simpson Clough Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 6219 Yearly Rate (m3): 2136620 Details: Premises At Simpson Clough, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st May 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1968	2	385300 412400
	Water Abstractions Operator: J R Crompton Ltd Licence Number: 2569002166 Permit Version: 100 Location: Cheesden Brook At Simpson Clough Heywood Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Simpson Clough, Heywood Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st May 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1968	2	385300 412400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: North West Water Ltd Licence Number: 2569002263 Permit Version: Not Supplied Location: Cheesden Brook, Simpson Clough, HEYWOOD Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Licence Status: Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1991	2	385200 412400
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A13SE (SE)	0	4	385700 410440
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SE)	0	4	385700 410440
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SE)	0	4	385700 410440
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Millers Brook Catchment Name: Mersey Primacy: 1	A14NW (NE)	461	5	386099 410719
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 539.1 Watercourse Level: Underground Permanent: True Watercourse Name: Millers Brook Catchment Name: Mersey Primacy: 1	A14NW (NE)	461	5	386099 410719

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 159.5 Watercourse Level: Underground Permanent: True Watercourse Name: Millers Brook Catchment Name: Mersey Primacy: 1	A14NW (NE)	463	5	386110 410706
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Millers Brook Catchment Name: Mersey Primacy: 1	A14NW (E)	586	5	386264 410665
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Millers Brook Catchment Name: Mersey Primacy: 1	A14NW (E)	602	5	386284 410658
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Millers Brook Catchment Name: Mersey Primacy: 1	A14NW (E)	602	5	386312 410525
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Roeacre Brook Catchment Name: Mersey Primacy: 1	A14NW (E)	628	5	386315 410648
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Millers Brook Catchment Name: Mersey Primacy: 1	A14NW (E)	628	5	386328 410595
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 560.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Millers Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	688	5	385892 411134
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Roeacre Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	712	5	386398 410660
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.0 Watercourse Level: Underground Permanent: True Watercourse Name: Roeacre Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	908	5	386582 410727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 433.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Roeacre Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	925	5	386600 410728

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	BGS Recorded Landfill Sites Site Name: Rochdale Canal Location: Green Lane, HEYWOOD, Lancs Authority: British Geological Survey, National Geoscience Information Service Ground Water: No threat to ground water Surface Water: No threat to surface water Geology: N/A Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Derived	A14SW (E)	570	-	386242 410225
33	BGS Recorded Landfill Sites Site Name: Rear of Mutual St Location: HEYWOOD, Lancs Authority: British Geological Survey, National Geoscience Information Service Ground Water: No threat to ground water Surface Water: No threat to surface water Geology: N/A Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Derived	A19NW (NE)	824	-	386110 411191
34	Historical Landfill Sites Licence Holder: Roe Acre Dye and Finishing Company Limited Location: Rochdale Road East, Heywood, Greater Manchester Name: Roe Acre Mill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15793 First Input Date: 1st May 1972 Last Input Date: 31st August 1992 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 518 Other Ref: D121, 0786	A14NW (NE)	533	2	386183 410718
35	Historical Landfill Sites Licence Holder: Gort Bank Sand Pits Limited Location: Green Lane, Heywood, Bury, Greater Manchester Name: Brook Bank Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15794 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: D043, D15461, RD/LIC/193/80	A14NE (E)	773	2	386467 410637
36	Historical Landfill Sites Licence Holder: Mutual Mills Limited Location: Heywood Name: Mutual Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15775 First Input Date: 31st December 1882 Last Input Date: 31st December 1986 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9127 BGS Ref: 135 Other Ref: D053, RD/LIC/323/83	A19NW (NE)	824	2	386110 411191

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Licensed Waste Management Facilities (Locations) Licence Number: 120078 Location: Silvester House, Bradshaw Street, Heywood, OL10 1PN Operator Name: ROCHDALE SKIP HIRE LTD Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Inert & Excavation WTS with treatment Licence Status: Issued Issued: 10th June 2019 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	529	2	386198 410678
37	Licensed Waste Management Facilities (Locations) Licence Number: 100414 Location: Silvester House, Roe Acre Tannery, Bradshaw Street, Heywood, Lancashire, OL10 1PN Operator Name: P G C Demolition Limited Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Revoked Issued: 24th November 2008 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: 12th January 2018 Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	533	2	386197 410690
38	Licensed Waste Management Facilities (Locations) Licence Number: 50455 Location: Rochdale Metropolitan Borough Council, Green Lane, Heywood, Rochdale, Lancashire, OL10 2DY Operator Name: Rochdale Metropolitan Borough Council Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Issued Issued: 1st June 2006 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	836	2	386538 410340
38	Licensed Waste Management Facilities (Locations) Licence Number: 54005 Location: Green Lane, Heywood, Lancashire, OL10 2DY Operator Name: North West Water Ltd Operator Location: Great Sankey, Warrington, Cheshire, WA5 3LW Authority: Environment Agency - North West Region, South Area Site Category: Special Waste Transfer Stations Licence Status: Surrendered Issued: 7th January 2000 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 27th June 2001 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	870	2	386570 410325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	Licensed Waste Management Facilities (Locations) Licence Number: 53420 Location: Green Lane, Heywood, Lancashire, OL10 2DY Operator Name: North West Water Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Special Waste Transfer Stations Licence Status: Surrendered Issued: 7th January 2000 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 27th June 2001 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14SE (E)	870	2	386570 410325
39	Licensed Waste Management Facilities (Locations) Licence Number: 53486 Location: Scrap Yard, Britannia Street, Heywood, Lancashire, OL10 4PL Operator Name: Britannia Marine Stores Ltd Operator Location: Scrap Yard, Britannia Street, Heywood, Lancashire, OL10 4PL Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Issued Issued: 11th September 1998 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	852	2	384951 410882
39	Licensed Waste Management Facilities (Locations) Licence Number: 53486 Location: Britannia Street, Off Georges Street, Heywood, Rochdale, Lancashire, OL10 4PL Operator Name: Rochdale Borough Council Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Surrendered Issued: 11th September 1998 Last Modified: 27th March 2003 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 13th March 2019 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	864	2	384938 410884
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	3	385700 410440
40	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13SW (SW)	199	-	385512 410317
41	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A13NW (W)	331	-	385376 410549
42	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A12SE (W)	401	-	385292 410345
43	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SW (NE)	543	-	386053 410893
44	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SW (NE)	603	-	386197 410828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SW (NE)	680	-	386305 410802
46	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SW (NE)	695	-	386291 410855
47	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14NE (NE)	741	-	386388 410772
48	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14NE (E)	790	-	386487 410624
49	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SW (NE)	829	-	386354 410995
50	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A9NE (SE)	855	-	386497 410092
51	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1983	A7NW (SW)	900	-	384977 409859
52	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A19SE (NE)	928	-	386407 411084
53	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	A14SE (E)	976	-	386685 410395
54	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A13NW (N)	27	-	385694 410499
55	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A13NW (NW)	58	-	385660 410517
56	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A13NE (N)	123	-	385746 410588
57	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13NE (NE)	127	-	385829 410517
58	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A13SE (SE)	145	-	385834 410347
59	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13NE (NE)	154	-	385788 410604
60	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A13SE (E)	218	-	385917 410373
61	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13NE (E)	219	-	385924 410524
62	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (S)	300	-	385630 410116

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (SW)	302	-	385519 410160
64	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SE (E)	309	-	386008 410358
65	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A13NW (NW)	349	-	385427 410693
66	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A18SE (N)	384	-	385771 410849
67	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12NE (W)	399	-	385291 410459
68	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A18SE (NE)	418	-	385968 410800
69	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A12NE (W)	428	-	385271 410513
70	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A18SW (N)	445	-	385591 410904
71	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A8NE (SE)	447	-	385922 410019
72	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18SE (NE)	486	-	385922 410908
73	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18SE (NE)	497	-	385904 410928
74	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18SE (N)	503	-	385854 410952
75	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A18SE (N)	503	-	385704 410975
76	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A12SE (W)	512	-	385178 410356
77	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A18SW (NW)	517	-	385424 410911
78	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A12NE (W)	527	-	385165 410478
79	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SW (E)	543	-	386223 410256
80	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14NW (E)	548	-	386251 410569
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A18SW (NW)	551	-	385455 410967
82	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14NW (E)	554	-	386265 410512
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A14SW (E)	571	-	386281 410429

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8NW (S)	591	-	385629 409822
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A18SE (N)	598	-	385824 411057
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A18SE (NE)	604	-	385962 411019
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A17SE (NW)	612	-	385312 410948
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A14SW (E)	617	-	386324 410396
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12NE (W)	621	-	385068 410455
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8NW (S)	635	-	385501 409804
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A18NW (N)	650	-	385655 411121
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SW (W)	671	-	385021 410328
93	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A12NE (NW)	673	-	385088 410756
94	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12SW (W)	692	-	384997 410372
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A9NW (SE)	705	-	386069 409805
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8SE (S)	723	-	385801 409692
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12NW (W)	727	-	384981 410592
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A14SE (E)	742	-	386447 410367
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A8SW (S)	743	-	385429 409714
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A12SW (W)	750	-	384938 410366
101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A12NW (W)	757	-	384977 410705
102	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12NW (W)	768	-	384962 410694
103	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A9NW (SE)	770	-	386168 409795
104	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A12NW (W)	787	-	384906 410504

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A9SW (SE)	792	-	386145 409752
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SW (NW)	810	-	384963 410812
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SW (NW)	875	-	384965 410951
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A9SW (SE)	880	-	386287 409750
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A12SW (W)	882	-	384805 410398
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A19SE (NE)	900	-	386520 410866
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A19NW (NE)	917	-	386227 411229
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A17SW (NW)	918	-	384892 410914
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12NW (W)	930	-	384786 410657
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A8SW (S)	932	-	385444 409512
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A17NE (NW)	947	-	385227 411294
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A12NW (W)	962	-	384750 410640
117	Registered Landfill Sites Licence Holder: Roe Acre Dyeing & Finishing Co Ltd Licence Reference: 00786/T01 Site Location: Roe Acre Mill, Rochdale Road East, Heywood, Lancashire Licence Easting: 386300 Licence Northing: 410660 Operator Location: Crimble Mill, Crimble Lane, Heywood, Rochdale, Lancashire Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1995 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Max.Waste Permitted By Licence Uncontam. Soil, Clay, Sand Prohibited Waste: Asbestos Filter Material Sand Foundry Sand Liquid Wastes Sludge Wastes Special Wastes Waste In Drums Waste In Skips Waste N.O.S. Whether/Not Pre-Tr'T/Pack	A14NW (E)	618	2	386300 410660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	Registered Landfill Sites Licence Holder: Gort Bank Sand Pits Ltd Licence Reference: 00193/80/M2 Site Location: Brook Bank, Green Lane, Heywood, Lancashire Licence Easting: 386600 Licence Northing: 410650 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 22nd September 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Prohibited Waste: Biodegradable/Putrescible Waste Paper/Cardboard Waste	A14NE (E)	906	2	386600 410650
119	Registered Landfill Sites Licence Holder: Mutual Mills Ltd Licence Reference: 00323/83 Site Location: Mutual Street (Reservoir), Heywood, Lancashire Licence Easting: 386230 Licence Northing: 411230 Operator Location: Aspinall Street, Heywood, ROCHDALE, Lancashire, OL10 4HP Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 3rd May 1984 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Ceramic Waste Constr'N/Demol. Inert/Non-Haz/Non-Tox Fibreglass Glass/Cullet Metal Scrap Non Leachate Forming Waste Plastic/Polythene (Including Sacks) Soil,Clay,Sand Stone,Brick,Concrete,Slate Wood Waste/Timber Prohibited Waste: Carcasses And Flesh Chemical Wastes Food Waste Liquid Wastes Paper/Cardboard Waste Plasterboard Sawdust/Bark Sludge Wastes Textiles, Rag,Wool,Cloth,Hessian Etc Vegetable/Processing Waste Waste Forming Polluting Leachate	A19NW (NE)	920	2	386230 411230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	Registered Waste Transfer Sites Licence Holder: North West Water Ltd Licence Reference: 01131 Site Location: Green Lane Depot, Green Lane, HEYWOOD, Lancashire, OL10 2DY Operator Location: PO Box 14, 410 Birchwood Boulevard, WARRINGTON, Cheshire, WA3 7GA Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Licence Status: Licence has completion certificateSurrendered Dated: 1st January 2000 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Cement Bonded Asbestos Pipe & Fittings Ferrous & Non-Ferrous Pipe & Fittings Maximum Waste Permitted By Licence Non-Hazardous Uncontam. Industrial Waste - Comprising Plastic Pipe & Fittings Uncontam. Brick, Stone, Concrete Uncontam. Excavated Soil, Clay, Silt, Sand Uncontam. Tarmacadam Prohibited Waste: Other Waste/Waste Not Otherwise Specified	A14SE (E)	876	2	386580 410355
121	Registered Waste Transfer Sites Licence Holder: Quickmix Ltd Licence Reference: 00087/77/M2 Site Location: Green Lane, Heywood, Lancashire Operator Location: RMC House, High Street, Feltham, HOUNSLOW, Middlesex, TW13 4HA Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 22nd September 1983 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Concrete Waste	A9NE (SE)	896	2	386501 410001
122	Registered Waste Treatment or Disposal Sites Licence Holder: Usher Walker Licence Reference: 00759/92 Site Location: Seymour Street, Heywood, Lancashire Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Treatment Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site exempt from licenceExempt Dated: 1st June 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Licenced Wastes Not To Hand	A12SW (W)	667	2	385020 410400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	Registered Waste Treatment or Disposal Sites Licence Holder: Britannia Marine Stores Ltd Licence Reference: 80054 Site Location: Britannia Street, George Street, HEYWOOD, Lancashire, OL10 4PL Operator Location: 337/341 Chapel Street, Salford, MANCHESTER, Greater Manchester, M3 5JY Authority: Environment Agency - North West Region, South Area Site Category: Scrapyard Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st September 1998 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste Any Non-Haz. Ferrous Metal Scrap Any Non-Haz. Non-Ferrous Metal Scrap Clean Drums Max.Waste Permitted By Licence Scrap Vehicles Prohibited Waste Spec.Waste (Epa'90:S62/1996 Regs)N.O.S Waste N.O.S.	A17SW (NW)	861	2	384950 410900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13SE (SE)	0	1	385700 410440
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment 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	A13SE (SE)	0	1	385700 410440
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (N)	28	1	385700 410500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 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	A13SE (SE)	79	1	385754 410346
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	288	1	386000 410440
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	290	1	386000 410500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	298	1	386000 410383

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 and Sediment Arsenic <15 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:	A8NE (S)	408	1	385700 410000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	564	1	385500 411000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic <15 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:	A18SW (NW)	592	1	385389 410978
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (NW)	595	1	385422 411000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment 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 - 30 mg/kg Concentration:	A12SW (W)	687	1	385000 410440
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 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)	688	1	385000 410387

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: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	788	1	386500 410440
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19NW (NE)	819	1	386060 411211
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	847	1	386445 410000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	896	1	386500 410000
124	BGS Recorded Mineral Sites Site Name: Pot Hall Sand Pit Location: Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96534 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	201	1	385505 410327
125	BGS Recorded Mineral Sites Site Name: Long Field Brick Field Location: Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96535 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NE (W)	395	1	385316 410575

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	BGS Recorded Mineral Sites Site Name: Pot Hall Gravel Pit Location: Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96533 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A12SE (W)	407	1	385284 410358
127	BGS Recorded Mineral Sites Site Name: Captain Fold Sand Pit Location: Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96530 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	603	1	386192 410834
128	BGS Recorded Mineral Sites Site Name: Heywood Brick Field Location: Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96532 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	623	1	386074 410977
129	BGS Recorded Mineral Sites Site Name: Captain Fold Sand Pit Location: Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96531 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	663	1	386284 410805
130	BGS Recorded Mineral Sites Site Name: Off Green Lane Sand Pit Location: Captain Fold, Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15319 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	848	1	386475 410840
131	BGS Recorded Mineral Sites Site Name: Wilderness Sandpit Location: Heywood, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 3822 Type: Opencast Status: Ceased Operator: P. Casey Enviro Ltd. Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glacial Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NE (E)	926	1	386620 410650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SE (SE)	0	6	385700 410440
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SE)	0	-	385700 410440
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	385700 410440
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	385700 410440
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	385700 410440
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	385700 410440
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	385700 410440
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	385700 410440
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	37	1	385724 410377
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	385700 410440
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	385700 410440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	Contemporary Trade Directory Entries Name: York Street Washing Machines Ltd Location: 19, Nelson Street, Heywood, Lancashire, OL10 1BN Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	101	-	385722 410309
132	Contemporary Trade Directory Entries Name: York Street Washing Machines Location: 19, Nelson Street, Heywood, Lancashire, OL10 1BN Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	101	-	385722 410309
132	Contemporary Trade Directory Entries Name: A & E Electrical (Manchester) Ltd Location: 62-64, King Street, Heywood, Lancashire, OL10 1BW Classification: Electric Motor Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	102	-	385766 410328
133	Contemporary Trade Directory Entries Name: Dalton Properties Location: The Old Mission, Hardfield Street, Heywood, Lancashire, OL10 1DG Classification: Damp & Dry Rot Control Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	121	-	385816 410532
134	Contemporary Trade Directory Entries Name: Honnor Marine Ltd Location: Caxton Street, Heywood, Lancashire, OL10 1AL Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	148	-	385589 410573
134	Contemporary Trade Directory Entries Name: Honnor Marine Ltd Location: 1, Caxton Street, Heywood, Lancashire, OL10 1AL Classification: Boatbuilders & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	179	-	385576 410604
135	Contemporary Trade Directory Entries Name: H M Coroner'S Office Location: Phoenix Centre, Church Street, Heywood, Lancashire, OL10 1LR Classification: Medical & Dental Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	200	-	385642 410665
135	Contemporary Trade Directory Entries Name: Pennine Care N H S Foundation Trust Within Phoenix Centre Location: Phoenix Centre, Church Street, Heywood, Lancashire, OL10 1LR Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	200	-	385642 410665
136	Contemporary Trade Directory Entries Name: Brownroyd Motors Location: Hardfield Garage, 34, Manchester Street, Heywood, OL10 1DL Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	211	-	385865 410615
136	Contemporary Trade Directory Entries Name: F.Kempster & Sons Ltd Location: Hardfield Garage, 34, Manchester Street, Heywood, Lancashire, OL10 1DL Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	213	-	385865 410617
136	Contemporary Trade Directory Entries Name: Kempsters Of Heywood Location: Hardfield Garage, 34, Manchester Street, Heywood, Lancashire, OL10 1DL Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	213	-	385865 410617
136	Contemporary Trade Directory Entries Name: Crawford Domestic Appliances Ltd Location: 36-38, MANCHESTER STREET, HEYWOOD, OL10 1DL Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	219	-	385896 410588

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	Contemporary Trade Directory Entries Name: Internetvoipphone Location: 22, Hind Hill Street, Heywood, Lancashire, OL10 1AQ Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	240	-	385542 410655
138	Contemporary Trade Directory Entries Name: Industrial Latex Compounds Ltd Location: Burns Mill, Manchester Street, Heywood, Lancashire, OL10 1DN Classification: Foam Products - Rubber & Plastics Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	243	-	385954 410486
138	Contemporary Trade Directory Entries Name: Industrial Latex Compounds Location: Burns Mill, Manchester Street, Heywood, Lancashire, OL10 1DN Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	243	-	385954 410486
139	Contemporary Trade Directory Entries Name: Ken Brogden Ltd Location: 52-52A, MANCHESTER STREET, HEYWOOD, OL10 1DL Classification: Metal Products - Fabricated Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	247	-	385935 410575
139	Contemporary Trade Directory Entries Name: Lord'S Motors Location: Russell Street, Heywood, Lancashire, OL10 1NY Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	287	-	385981 410570
139	Contemporary Trade Directory Entries Name: M & P Engineering Ltd Location: Bradshaw Street, Heywood, Lancashire, OL10 1PA Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	312	-	386012 410556
139	Contemporary Trade Directory Entries Name: M & L Tyres Location: Bradwell Works, Bradshaw St, Heywood, Lancashire, OL10 1NZ Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NE (E)	312	-	386012 410556
139	Contemporary Trade Directory Entries Name: M & L Used Tyres Location: Marlor Works, Russell Street, Heywood, Lancashire, OL10 1NX Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	326	-	386020 410575
139	Contemporary Trade Directory Entries Name: M & L Tyres Location: Marlor Works, Russell Street, Heywood, Lancashire, OL10 1NX Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	326	-	386020 410575
140	Contemporary Trade Directory Entries Name: John Lloyds Ltd Location: Longford House, Hall Street, Heywood, Lancashire, OL10 1DP Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	292	-	385990 410357
140	Contemporary Trade Directory Entries Name: Clifton Precision Engineering (Heywood) Ltd Location: Hall Street, Heywood, Lancashire, OL10 1DP Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	327	-	386026 410361
140	Contemporary Trade Directory Entries Name: Green Lane Auto Engineers Location: Unit 6, Hall Street, Heywood, OL10 1DP Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	338	-	386033 410336

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	Contemporary Trade Directory Entries Name: Formula One Autocentres Heywood Location: York Street, Heywood, Lancashire, OL10 4NS Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the address or location	A13NE (N)	299	-	385790 410758
141	Contemporary Trade Directory Entries Name: Equipe Tyre & Autocare Location: York Street, Heywood, OL10 4NS Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	304	-	385795 410762
141	Contemporary Trade Directory Entries Name: Euronics Location: 61 York Street, Heywood, Lancashire, OL10 4NR Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	338	-	385795 410797
142	Contemporary Trade Directory Entries Name: Rhino Haulage Location: 83, Manchester Street, Heywood, Lancashire, OL10 1PB Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	301	-	386008 410524
142	Contemporary Trade Directory Entries Name: Atlantic Executive Travel Ltd Location: 34 Bradshaw Street, Heywood, Lancashire, OL10 1NZ Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NE (E)	330	-	386035 410536
142	Contemporary Trade Directory Entries Name: Celsius Air Conditioning Location: 1, Well Street, Heywood, Lancashire, OL10 1NT Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	336	-	386046 410505
142	Contemporary Trade Directory Entries Name: Curtis Engineers Ltd Location: Bradshaw St, Heywood, Lancashire, OL10 1PL Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	341	-	386044 410548
142	Contemporary Trade Directory Entries Name: Bradson Automotive Location: Russell St, Heywood, Lancashire, OL10 1NX Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	378	-	386089 410493
143	Contemporary Trade Directory Entries Name: Fence & Gate Design Location: Unit 3, Hall Street, Heywood, Lancashire, OL10 1DP Classification: Fencing Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	311	-	385998 410313
143	Contemporary Trade Directory Entries Name: M D Recovery Uk Location: Unit 3, Hall Street, Heywood, Lancashire, OL10 1DP Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	311	-	385998 410313
143	Contemporary Trade Directory Entries Name: A B Cylinder Head Services Location: Unit 1, Hall Street, Heywood, OL10 1DP Classification: Engine Rebuilding & Reconditioning Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	319	-	386006 410310
143	Contemporary Trade Directory Entries Name: Busy Bins Location: UNIT 4, COWBURN STREET, HEYWOOD, OL10 2AJ Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	319	-	386006 410310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Contemporary Trade Directory Entries Name: M D Autos Location: Unit 3, Hall Street, Heywood, OL10 1DP Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	319	-	386006 410310
144	Contemporary Trade Directory Entries Name: Hutson & Amro Print Ltd Location: Unit 5, Cowburn Street, Heywood, OL10 2AJ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	332	-	386015 410294
144	Contemporary Trade Directory Entries Name: Bamford Print Ltd Location: Unit 5, Cowburn Street, Heywood, Lancashire, OL10 2AJ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	332	-	386015 410294
144	Contemporary Trade Directory Entries Name: Hillside Bodyshop Location: Unit 1-2, Cowburn Street, Heywood, Lancashire, OL10 2AJ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	371	-	386060 410308
144	Contemporary Trade Directory Entries Name: L C Motor Engineers Location: Unit 1, Cowburn Street, Heywood, Lancashire, OL10 2AJ Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	371	-	386060 410308
144	Contemporary Trade Directory Entries Name: D A Fitton Location: Cowburn Street, Heywood, Lancashire, OL10 2AJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	371	-	386060 410308
145	Contemporary Trade Directory Entries Name: William West & Son (Ilkeston) Ltd Location: Back Brierley St, Heywood, Lancashire, OL10 1PE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	340	-	386009 410635
145	Contemporary Trade Directory Entries Name: Glenfield Designs Ltd Location: 40, Rochdale Road, Heywood, Lancashire, OL10 1LE Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	366	-	385998 410699
145	Contemporary Trade Directory Entries Name: Rapide Components & Alloys Ltd Location: Vale Street, Heywood, Lancashire, OL10 1PQ Classification: Engineering Materials Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	380	-	386033 410672
146	Contemporary Trade Directory Entries Name: T U S Location: York House, 15-17, York Street, Heywood, Lancashire, OL10 4NN Classification: Meter Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	340	-	385647 410808
147	Contemporary Trade Directory Entries Name: East Lancashire Services Ltd Location: 81, York Street, Heywood, OL10 4NR Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	352	-	385848 410794
147	Contemporary Trade Directory Entries Name: East Lancs Cleaning Services Location: 81, York Street, Heywood, OL10 4NR Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	352	-	385848 410794

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	Contemporary Trade Directory Entries Name: East Lancashire Services Ltd Location: 81, York Street, Heywood, Lancashire, OL10 4NR Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	352	-	385848 410794
148	Contemporary Trade Directory Entries Name: S R B Plant Hire Ltd Location: The Transport Yard, Brierley Street, Heywood, Lancashire, OL10 1PH Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14NW (NE)	356	-	386042 410604
148	Contemporary Trade Directory Entries Name: Gilwood Fabricators Co Ltd Location: Bradshaw Street, Heywood, Lancashire, OL10 1PL Classification: Machine Shops Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	389	-	386085 410579
148	Contemporary Trade Directory Entries Name: Frazer Nash Location: Bradshaw St, Heywood, Lancashire, OL10 1PL Classification: Industrial Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	389	-	386085 410579
148	Contemporary Trade Directory Entries Name: Gilwood Fabricators Co Ltd Location: Bradshaw Street, Heywood, OL10 1PL Classification: Machine Shops Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	390	-	386092 410557
149	Contemporary Trade Directory Entries Name: E-Equipment Location: 8-10 Market Pl, Heywood, Lancashire, OL10 4NL Classification: Catering Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (N)	357	-	385575 410808
149	Contemporary Trade Directory Entries Name: Direct Photos Location: 20, Market Place, Heywood, Lancashire, OL10 4NL Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	369	-	385545 410809
150	Contemporary Trade Directory Entries Name: Shocka Sports Location: 88-92, York Street, Heywood, Lancashire, OL10 4NS Classification: Leisure & Sportswear Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	367	-	385952 410747
150	Contemporary Trade Directory Entries Name: Birtwistles M O T Service & Repairs Location: 135, York Street, Heywood, Lancashire, OL10 4NS Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	408	-	385991 410767
150	Contemporary Trade Directory Entries Name: Esso Location: At Tesco York Street, Heywood, Lancashire, OL10 4HQ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	410	-	385982 410778
150	Contemporary Trade Directory Entries Name: Roe Acre Service Station Location: York Street, Heywood, Lancashire, OL10 4NR Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	410	-	385984 410776
150	Contemporary Trade Directory Entries Name: Tesco Petrol Station Location: York Street, Heywood, OL10 4NS Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	410	-	385984 410776

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	Contemporary Trade Directory Entries Name: Esso Location: York Street, Heywood, Lancashire, OL10 4HQ Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	411	-	385981 410781
151	Contemporary Trade Directory Entries Name: Cars4people (Mcr) Ltd Location: 123, Manchester Street, Heywood, Lancashire, OL10 1NL Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	373	-	386084 410444
151	Contemporary Trade Directory Entries Name: Norden Car Sales Location: 123, Manchester Street, Heywood, Lancashire, OL10 1NL Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	373	-	386084 410444
152	Contemporary Trade Directory Entries Name: Hamilton Logistics Manchester Ltd Location: 1b, Market Street, Heywood, Lancashire, OL10 1HT Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	381	-	385487 410790
152	Contemporary Trade Directory Entries Name: Hamilton Logistics Location: 1b, Market Street, Heywood, Lancashire, OL10 1HT Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	381	-	385487 410790
152	Contemporary Trade Directory Entries Name: Spares Centre Location: 3, Market Street, Heywood, Lancashire, OL10 1HT Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	389	-	385481 410796
152	Contemporary Trade Directory Entries Name: Spares Centre Location: 3, Market Street, Heywood, Lancashire, OL10 1HT Classification: Electrical Appliance Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	389	-	385481 410796
152	Contemporary Trade Directory Entries Name: Klick Photopoint Location: 28, Market Place, Heywood, Lancashire, OL10 4NL Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	390	-	385521 410821
153	Contemporary Trade Directory Entries Name: Aquatec Builders (Northwest) Location: Lloyd St, Heywood, Lancashire, OL10 2BP Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	399	-	385976 410118
153	Contemporary Trade Directory Entries Name: Varley Smith Emmott Ltd Location: Springfield Works, Lloyd Street, Heywood, Lancashire, OL10 2BP Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	414	-	385967 410089
153	Contemporary Trade Directory Entries Name: Jola Ltd Location: Springfield Works, Lloyd Street, Heywood, Lancashire, OL10 2BP Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	414	-	385967 410089
154	Contemporary Trade Directory Entries Name: Good As New Cleaning Ltd Location: Independence House, Adelaide Street, Heywood, Lancashire, OL10 4HF Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	407	-	385917 410822

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
154	Contemporary Trade Directory Entries Name: A To Z Solutions Centre Ltd Location: Independence House, Adelaide Street, Heywood, Lancashire, OL10 4HF Classification: Energy Efficient Products and Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	407	-	385917 410822
155	Contemporary Trade Directory Entries Name: Ravenfield Designs Ltd Location: Russell Street, Heywood, Lancashire, OL10 1NX Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	412	-	386124 410476
155	Contemporary Trade Directory Entries Name: Unique Moulds Uk Ltd Location: Unique Moulds, Russell Street, Heywood, OL10 1NX Classification: Tool Design, Manufacturers & Makers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	424	-	386136 410464
155	Contemporary Trade Directory Entries Name: Juts Discount Tyre Bay Ltd Location: Juts Tyre Bay, Russell Street, Heywood, OL10 1NX Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	428	-	386139 410439
155	Contemporary Trade Directory Entries Name: H & B Commercial Services Location: H and B Commercial Services, Russell Street, Heywood, OL10 1NX Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	428	-	386139 410439
156	Contemporary Trade Directory Entries Name: Carters Appliance Care Location: 4, Market Street, Heywood, Lancashire, OL10 4LY Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	418	-	385473 410825
156	Contemporary Trade Directory Entries Name: Dyson Doctor Location: 18-20, Market Street, Heywood, OL10 4LY Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	449	-	385423 410828
156	Contemporary Trade Directory Entries Name: P & P Law Ltd Location: 18-20, Market Street, Heywood, Lancashire, OL10 4LY Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	449	-	385423 410828
156	Contemporary Trade Directory Entries Name: Johnson Cleaners Uk Ltd Location: 28, Market Street, Heywood, Lancashire, OL10 4LY Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A18SW (NW)	482	-	385379 410834
157	Contemporary Trade Directory Entries Name: Sealtight Roofing Location: 40, Vigo Street, Heywood, Lancashire, OL10 2BT Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	418	-	386011 410126
157	Contemporary Trade Directory Entries Name: Aquarius Washers Location: 26, Walton Street, Heywood, Lancashire, OL10 2BS Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	450	-	386030 410100
157	Contemporary Trade Directory Entries Name: Gasfix Location: Heywood, Lancashire, OL10 2bs Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	483	-	386060 410083

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	Contemporary Trade Directory Entries Name: Associated Cleaning Management Ltd Location: 43, Coomassie Street, Heywood, Lancashire, OL10 3AQ Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	420	-	385269 410449
159	Contemporary Trade Directory Entries Name: Auto Mobile Services Location: Unit 6 Mission St, Heywood, Lancashire, OL10 1HY Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	420	-	385392 410760
159	Contemporary Trade Directory Entries Name: C & J Autos Location: Mission Street Garage, Mission Street, Heywood, OL10 1HY Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	432	-	385375 410760
159	Contemporary Trade Directory Entries Name: Heywood Tyre & Exhaust Location: Mission Street Garage, Mission Street, Heywood, Lancashire, OL10 1HY Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	432	-	385375 410760
159	Contemporary Trade Directory Entries Name: Gadget In Budget Ltd Location: 43, Market Street, Heywood, OL10 1HX Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	460	-	385372 410797
160	Contemporary Trade Directory Entries Name: Lindsey Alderson Location: 75, Newhouse Road, Heywood, Lancashire, OL10 2NX Classification: Jewellery Manufacturers & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	422	-	385485 410040
161	Contemporary Trade Directory Entries Name: North West Cleaning Supplies Location: Queens Park Road, Heywood, Lancashire, OL10 4HA Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	433	-	385703 410905
162	Contemporary Trade Directory Entries Name: O'Neill'S Decorating Centre Location: 1, Adelaide Street, Heywood, Lancashire, OL10 4HQ Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	444	-	385976 410827
162	Contemporary Trade Directory Entries Name: Heywood Discount Wallpapers Location: 1, Adelaide Street, Heywood, OL10 4HQ Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	445	-	385986 410821
163	Contemporary Trade Directory Entries Name: Robert Scott Location: Millersbrook Mill, Miller Street, Heywood, OL10 4HJ Classification: Cleaning Materials & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	445	-	385855 410891
163	Contemporary Trade Directory Entries Name: L M Scaffolding M C R Ltd Location: Unit 2 Miller Street, Heywood, Lancashire, OL10 4HX Classification: Scaffolding & Work Platforms Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A18SE (NE)	448	-	385894 410879
164	Contemporary Trade Directory Entries Name: Becketts Bakery Engineers Ltd Location: Fir Street, Heywood, Lancashire, OL10 1NP Classification: Bakery Equipment Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	449	-	386157 410526

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	Contemporary Trade Directory Entries Name: R & M Royster Bakery Engineers Location: Fir Street, Heywood, Lancashire, OL10 1NP Classification: Bakery Equipment Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	449	-	386157 410526
164	Contemporary Trade Directory Entries Name: William Lusty Ltd Location: Fir Street, Heywood, Lancashire, OL10 1NW Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	449	-	386157 410526
165	Contemporary Trade Directory Entries Name: Ibex Marina Ropes Location: Cartridge Ropery, Brunswick Street, Heywood, Lancashire, OL10 1HA Classification: Ropes & Hawsers Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	454	-	385284 410660
166	Contemporary Trade Directory Entries Name: Heywood Reclaimed Building Materials Location: 102, Newhouse Road, Heywood, Lancashire, OL10 2NU Classification: Reclamation Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	462	-	385572 409963
167	Contemporary Trade Directory Entries Name: Sharpe Printing Location: 163, York Street, Heywood, Lancashire, OL10 4NX Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	464	-	386075 410758
167	Contemporary Trade Directory Entries Name: Sky Dental Ceramics Location: 165, York Street, Heywood, Lancashire, OL10 4NX Classification: Medical & Dental Laboratories Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	468	-	386079 410759
168	Contemporary Trade Directory Entries Name: Quarry Manufacturing Location: Willow Street Mill, Willow Street, Heywood, OL10 4LJ Classification: Textile Manufacturing Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	464	-	385753 410932
169	Contemporary Trade Directory Entries Name: K E Engineering Uk Ltd Location: 5 Broadfield, Seymour St, Heywood, Lancashire, OL10 3AJ Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	467	-	385220 410404
170	Contemporary Trade Directory Entries Name: Crease Lightning Location: 4, Prospect Street, Heywood, Lancashire, OL10 2BB Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	468	-	385994 410042
171	Contemporary Trade Directory Entries Name: Ice Kings Ltd Location: Roeacre Tannery, Bradshaw St, Heywood, Lancashire, OL10 1PN Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	470	-	386133 410678
172	Contemporary Trade Directory Entries Name: Window Plas Ltd Location: Unit 5, Roeacre Business Park, Bradshaw Street, Heywood, Lancashire, OL10 1PN Classification: Window Frame Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	471	-	386154 410632

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
172	Contemporary Trade Directory Entries Name: Grange Power Ltd Location: Unit 1, Roeacre Business Park, Bradshaw Street, HEYWOOD, Lancashire, OL10 1PN Classification: Generators - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	471	-	386154 410632
172	Contemporary Trade Directory Entries Name: West Yorkshire Metals Ltd Location: Unit 2/B, Roeacre Business Park, Bradshaw Street, HEYWOOD, Lancashire, OL10 1PN Classification: Non-Ferrous Metals Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	471	-	386154 410632
172	Contemporary Trade Directory Entries Name: Flog It 2 Us Location: Unit 4a Roeacre Business Park, Bradshaw Street, Heywood, Lancashire, OL10 1PN Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Manually positioned to the address or location	A14NW (E)	488	-	386179 410610
173	Contemporary Trade Directory Entries Name: Nwasfleetcare Location: Quay St, Heywood, Lancashire, OL10 2JH Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	477	-	386163 410284
173	Contemporary Trade Directory Entries Name: Heywood Auto Tints Location: Quay st, Heywood, Lancashire, OL10 2JH Classification: Window Tinting Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	488	-	386173 410279
173	Contemporary Trade Directory Entries Name: Spanners Garage Location: Quay Street, Heywood, Lancashire, OL10 2JH Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	488	-	386173 410279
173	Contemporary Trade Directory Entries Name: Clough Road M.O.T Centre (Heywood) Quay Street Location: Quay St, Heywood, Lancashire, OL10 2JH Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	488	-	386173 410279
174	Contemporary Trade Directory Entries Name: Mcm2 Cladding Systems Ltd Location: Unit 11, Roeacre Business Park, Bradshaw Street, Heywood, OL10 1PN Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	490	-	386190 410578
175	Contemporary Trade Directory Entries Name: L & R Polishing Location: 19, Bamford Road, Heywood, Lancashire, OL10 4TA Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	491	-	385456 410899
175	Contemporary Trade Directory Entries Name: Mike Goldrick Window Blinds Ltd Location: The Services, Dawson Street, Heywood, Lancashire, OL10 4ND Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	493	-	385445 410895
176	Contemporary Trade Directory Entries Name: Adams Furnishers Location: 53, Market Street, Heywood, Lancashire, OL10 1HZ Classification: Bed & Mattress Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	505	-	385322 410809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	Contemporary Trade Directory Entries Name: Rothwells Super Travel Location: 60, Market Street, Heywood, OL10 4LY Classification: Bus & Coach Operators & Stations Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	529	-	385314 410837
177	Contemporary Trade Directory Entries Name: Lomax Reclamations Location: Unit 2, Miller Street, Heywood, Lancashire, OL10 4HJ Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	527	-	385871 410972
177	Contemporary Trade Directory Entries Name: Scaffold Hire In Salford Location: Unit 2 Miller Street, Heywood, Lancashire, OL10 4HX Classification: Scaffolding & Work Platforms Status: Active Positional Accuracy: Manually positioned to the address or location	A18SE (N)	527	-	385871 410972
178	Contemporary Trade Directory Entries Name: G T Recovery Location: Hilda st, Heywood, Lancashire, OL10 4JX Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SW (N)	532	-	385648 411002
178	Contemporary Trade Directory Entries Name: Per-Fit Windows Ltd Location: Unit 1, Langton Street, Heywood, OL10 4LH Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	541	-	385663 411012
178	Contemporary Trade Directory Entries Name: Park Garage Location: Langton Street, Heywood, OL10 4LH Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	553	-	385688 411025
179	Contemporary Trade Directory Entries Name: Chorlton Express Transport Location: Unit 8, Roeacre Business Park, Bradshaw Street, Heywood, OL10 1PN Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	548	-	386238 410623
180	Contemporary Trade Directory Entries Name: J & D Cleaning Service Location: 14, Halton Flats, Heywood, Lancashire, OL10 1EY Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	564	-	385231 410790
181	Contemporary Trade Directory Entries Name: Gibson Hire Location: Twin Mill, Gregge Street, Heywood, OL10 2ED Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	568	-	386225 410185
181	Contemporary Trade Directory Entries Name: Jack Gibson & Sons Location: Twin Mill, Gregge Street, Heywood, Lancashire, OL10 2ED Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	568	-	386225 410185
181	Contemporary Trade Directory Entries Name: Collins Bros Heywood Ltd Location: Twin Mill, Gregge Street, Heywood, Lancashire, OL10 2ED Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	577	-	386229 410172
182	Contemporary Trade Directory Entries Name: Vegetable Oil Management Ltd Location: Roeacre House, Fir Street, Heywood, Lancashire, OL10 1NW Classification: Oils - Edible Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	574	-	386286 410493

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	Contemporary Trade Directory Entries Name: Morrisons Petrol Station Location: Dawson Street, Heywood, Lancashire, OL10 4PN Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	591	-	385451 411009
183	Contemporary Trade Directory Entries Name: Morrisons Petrol Station Location: Dawson Street, Heywood, Lancashire, OL10 4PN Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	592	-	385449 411009
184	Contemporary Trade Directory Entries Name: Per Fit Commercial Location: 1, Langton Street, Heywood, Lancashire, OL10 4JU Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	591	-	385527 411038
185	Contemporary Trade Directory Entries Name: Kwik Fit - Heywood Location: Bradshaw Street, Heywood, Lancashire, OL10 1PN Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	593	-	386250 410719
186	Contemporary Trade Directory Entries Name: Frank Blakeley & Sons Ltd Location: POOR PEG MILL, BUCKLEY STREET, HEYWOOD, OL10 4HZ Classification: Engineering Materials Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	602	-	385972 411013
186	Contemporary Trade Directory Entries Name: Frank Blakeley & Son Ltd Location: Poor Peg Mill, Buckley Street, Heywood, Lancashire, OL10 4HZ Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	602	-	385972 411013
187	Contemporary Trade Directory Entries Name: Gould Design & Manufacture Ltd Location: Sefton Street, Heywood, Lancashire, OL10 2JF Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	604	-	386297 410303
187	Contemporary Trade Directory Entries Name: Barrett'S Haulage Ltd Location: Sefton Street, Heywood, Lancashire, OL10 2JF Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	604	-	386297 410303
187	Contemporary Trade Directory Entries Name: Fastserv Location: The Old Goods Yard, Sefton Street, Heywood, Lancashire, OL10 2JF Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	604	-	386297 410303
187	Contemporary Trade Directory Entries Name: Sharp Freight Int Location: Sefton Street, Heywood, Lancashire, OL10 2JF Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	604	-	386297 410303
188	Contemporary Trade Directory Entries Name: Koco Cleaning Services Location: 11, Cleves Court, Heywood, Lancashire, OL10 3AR Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	608	-	385085 410331
189	Contemporary Trade Directory Entries Name: Crawford'S Electrical Appliances Location: 22-26, Promenade Street, Heywood, Lancashire, OL10 4EH Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	614	-	386183 410865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
190	Contemporary Trade Directory Entries Name: Technical Service Consultants Ltd Location: Microbiology House, Fir Street, Heywood, Lancashire, OL10 1NW Classification: Medical Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	616	-	386307 410629
190	Contemporary Trade Directory Entries Name: Orbotech (UK) Ltd Location: Unit 2, The Quadrant, Green Lane, Heywood, Lancashire, OL10 1NG Classification: Printed Circuit Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	649	-	386340 410635
191	Contemporary Trade Directory Entries Name: Morrisons Petrol Station Location: Dawson Street, Heywood, Lancashire, OL10 4PN Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	621	-	385272 410924
192	Contemporary Trade Directory Entries Name: H B H Forgings Ltd Location: Unit 25, Southgate Industrial Estate, Cross Street, Heywood, Lancashire, OL10 1PW Classification: Blacksmiths & Forgemasters Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	621	-	386327 410385
193	Contemporary Trade Directory Entries Name: Armourclad Coatings Location: 70, Manchester Road, Heywood, Lancashire, OL10 2AW Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	623	-	386168 409993
194	Contemporary Trade Directory Entries Name: Biwater Machinery Location: Gregge Street, Heywood, Lancashire, OL10 2DX Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	632	-	386280 410152
195	Contemporary Trade Directory Entries Name: Tyrone Brick Ltd Location: Sefton Street, Heywood, Lancashire, OL10 2JZ Classification: Brick Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A14SW (E)	643	-	386321 410233
196	Contemporary Trade Directory Entries Name: Digby & Son Location: DIGBY AND SON AUTO ELECTRICS, LECTRA WORKS, GORTON STREET, HEYWOOD, OL10 4ED Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	646	-	386240 410843
197	Contemporary Trade Directory Entries Name: Mirlo 2000 Dry Cleaners Location: Dawson Street, Heywood, Lancashire, OL10 4PU Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	650	-	385284 410975
198	Contemporary Trade Directory Entries Name: M G B Springs Location: Unit 4, Broadfield Industrial Estate, Seymour Street, Heywood, Lancashire, OL10 3AJ Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	653	-	385036 410368
198	Contemporary Trade Directory Entries Name: Jrb Cable Installations Ltd Location: Unit 2, Broadfield Industrial Estate, Seymour Street, Heywood, Lancashire, OL10 3AJ Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	653	-	385036 410368

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	Contemporary Trade Directory Entries Name: John Bradley Ltd Location: Unit 5, Broadfield Industrial Estate, Seymour Street, Heywood, Lancashire, OL10 3AJ Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	653	-	385036 410368
198	Contemporary Trade Directory Entries Name: G P L Fabrication Services Ltd Location: Unit 5, Broadfield Industrial Estate, Seymour Street, Heywood, OL10 3AJ Classification: Machine Shops Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	680	-	385009 410365
199	Contemporary Trade Directory Entries Name: Balmoral Offshore Engineering Location: 2 The Quadrant, Green Lane, Heywood, OL10 1NG Classification: Marine Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	657	-	386327 410700
200	Contemporary Trade Directory Entries Name: Riley & Son Electromec Ltd Location: Premier Locomotive Works, Sefton Street, Heywood, Lancashire, OL10 2JF Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14SW (E)	664	-	386327 410183
200	Contemporary Trade Directory Entries Name: Riley & Son E Ltd Location: PREMIER LOCOMOTIVE WORKS, SEFTON STREET, HEYWOOD, OL10 2JF Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	699	-	386351 410146
200	Contemporary Trade Directory Entries Name: Inspired Lighting Location: Sefton Street, Heywood, OL10 2JF Classification: Lighting Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	699	-	386351 410146
201	Contemporary Trade Directory Entries Name: Inter Count Truck & Van Location: Unit 7, Broadfield Distribution Park, Pilsworth Road, Heywood, OL10 2TA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	668	-	385108 410078
202	Contemporary Trade Directory Entries Name: Ian Barker & Co Location: Unit 20-21, Southgate Industrial Estate, Cross Street, Heywood, OL10 1PW Classification: Meat - Wholesale Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	672	-	386379 410386
203	Contemporary Trade Directory Entries Name: A & B Discount Fireplaces Location: 48, Bridge Street, Heywood, Lancashire, OL10 1JF Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	674	-	385140 410851
203	Contemporary Trade Directory Entries Name: M L Location: 6, Shepherd Street, Heywood, Lancashire, OL10 1JW Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	687	-	385134 410865
203	Contemporary Trade Directory Entries Name: J T Joinery Location: 58, Bridge Street, Heywood, OL10 1JF Classification: Door Manufacturers - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	689	-	385117 410844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
203	Contemporary Trade Directory Entries Name: K 2 Electrical Location: 54, Bridge Street, Heywood, Lancashire, OL10 1JF Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	693	-	385120 410855
204	Contemporary Trade Directory Entries Name: Clean Right Ultra Dry Location: 2, Salisbury Avenue, Heywood, Lancashire, OL10 2NZ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	682	-	385590 409736
204	Contemporary Trade Directory Entries Name: Clean Right Location: 2, Salisbury Avenue, Heywood, Lancashire, OL10 2NZ Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	682	-	385590 409736
205	Contemporary Trade Directory Entries Name: H Tonge Location: 45, Bridge Street, Heywood, Lancashire, OL10 1JF Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	683	-	385103 410809
206	Contemporary Trade Directory Entries Name: Brassingtons Ltd Location: 12, Ann Street, Heywood, Lancashire, OL10 4JG Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	684	-	385970 411103
207	Contemporary Trade Directory Entries Name: Harris Hart & Co Ltd Location: Gregge Street Works, Gregge Street, HEYWOOD, Lancashire, OL10 2EJ Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	686	-	386297 410066
208	Contemporary Trade Directory Entries Name: Tom Lyons Sales Engineering Ltd Location: 30, Links Road, Heywood, Lancashire, OL10 2BY Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	691	-	385852 409733
209	Contemporary Trade Directory Entries Name: Trench Industrial Services Ltd Location: 16, Brayshaw Close, HEYWOOD, Lancashire, OL10 3EE Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	709	-	385010 410202
210	Contemporary Trade Directory Entries Name: Futuristics Location: Sherwood House, Mutual Mills, Aspinall Street, Heywood, Lancashire, OL10 4HW Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	710	-	386124 411048
211	Contemporary Trade Directory Entries Name: Arnold'S Location: Unit B, Gregge Street, Heywood, Lancashire, OL10 2ED Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	716	-	386296 410008
211	Contemporary Trade Directory Entries Name: R E M Services Location: Unit 1, Gregge Street Works, Gregge Street, Heywood, OL10 2EJ Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	740	-	386335 410024

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
211	Contemporary Trade Directory Entries Name: R E M Services Location: Unit 1, Gregge Street Works, Gregge Street, Heywood, Lancashire, OL10 2ED Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	744	-	386338 410022
212	Contemporary Trade Directory Entries Name: Pressed 4 You Location: 10, Ashworth Street, Heywood, Lancashire, OL10 2AZ Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (SE)	726	-	386004 409748
213	Contemporary Trade Directory Entries Name: Diana Cowpe Ltd Location: Unit 2, Gregge Street Works, Gregge Street, Heywood, OL10 2ED Classification: Textile Manufacturing Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	729	-	386350 410073
214	Contemporary Trade Directory Entries Name: A G M Services Ltd Location: Southgate Industrial Estate, Cross Street, Heywood, Lancashire, OL10 1PW Classification: Filter Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	741	-	386441 410338
214	Contemporary Trade Directory Entries Name: Junair Spraybooths Ltd Location: Unit 10-12, Southgate Industrial Estate, Cross Street, Heywood, OL10 1PW Classification: Garage Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	741	-	386441 410338
214	Contemporary Trade Directory Entries Name: Junair Spraybooths Ltd Location: Unit 10-12, Southgate Industrial Estate, Cross Street, Heywood, OL10 1PW Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	741	-	386441 410338
214	Contemporary Trade Directory Entries Name: Junair Spraybooths Ltd Location: Unit 10-12, Southgate Industrial Estate, Cross Street, Heywood, OL10 1PW Classification: Paint Spraying Equipment & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	741	-	386441 410338
214	Contemporary Trade Directory Entries Name: B P M Engineering Services Ltd Location: Unit 7, Southgate Industrial Estate, Green Lane, Heywood, Lancashire, OL10 1ND Classification: Plastics - Machinery & Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	742	-	386438 410312
214	Contemporary Trade Directory Entries Name: Partners In Packaging Machine Systems Ltd Location: Unit 7, Southgate Industrial Estate, Green Lane, Heywood, Lancashire, OL10 1ND Classification: Packaging & Wrapping Equipment & Supplies Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	742	-	386438 410312
214	Contemporary Trade Directory Entries Name: Markpoint (UK) Ltd Location: Unit 6, Southgate Industrial Estate, Green Lane, Heywood, Lancashire, OL10 1ND Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	758	-	386454 410307
214	Contemporary Trade Directory Entries Name: Printworks N M D Location: Unit 6, Southgate Industrial Estate, Green Lane, Heywood, OL10 1ND Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	758	-	386453 410303

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
215	Contemporary Trade Directory Entries Name: Scrap Tyre Solutions Location: Unit 4, Britannia Mill Industrial Estate, George Street, Heywood, Lancashire, OL10 4PW Classification: Recycling Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	759	-	385022 410817
215	Contemporary Trade Directory Entries Name: C & B Tyres Location: Unit 4, Britannia Mill Industrial Estate, George Street, Heywood, Lancashire, OL10 4PW Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	759	-	385022 410817
215	Contemporary Trade Directory Entries Name: P W Motors Location: Unit 1-3, Britannia Mill Industrial Estate, George Street, Heywood, Lancashire, OL10 4PW Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	772	-	385005 410813
215	Contemporary Trade Directory Entries Name: A & B Fireplaces Location: Unit 1, Britannia Mill Industrial Estate, George Street, Heywood, Lancashire, OL10 4PW Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	772	-	385005 410813
215	Contemporary Trade Directory Entries Name: Elite Autocare Location: Unit 1, Britannia Mill Industrial Estate, George Street, Heywood, Lancashire, OL10 4PW Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	772	-	385005 410813
215	Contemporary Trade Directory Entries Name: Premier Fruits Location: Unit 6/8, Britannia Mill Industrial Estate, George Street, Heywood, Lancashire, OL10 4PW Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	781	-	385015 410852
216	Contemporary Trade Directory Entries Name: J20 Mobile Pressure Cleaning Location: 11, Rivershill Drive, Heywood, Lancashire, OL10 3BJ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	760	-	384945 410251
217	Contemporary Trade Directory Entries Name: Travis Perkins Heywood Location: Brookbank Works, Green Lane, Heywood, Lancashire, OL10 1NG Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	763	-	386453 410651
218	Contemporary Trade Directory Entries Name: Siddall Street Garage Location: Siddall Street, Heywood, Lancashire, OL10 2AS Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	764	-	386160 409796
219	Contemporary Trade Directory Entries Name: Antalis Ltd Location: 5, Broadfield Distribution Centre, Heywood, Lancashire, OL10 2TU Classification: Packaging Materials Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	766	-	385116 409900
220	Contemporary Trade Directory Entries Name: A C S Lining Ltd Location: 2, Middleton Road, Heywood, Lancashire, OL10 2HT Classification: Ventilators & Ventilation Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	775	-	386249 409860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	Contemporary Trade Directory Entries Name: Adelaide Engineering Location: Aspinall Street, Heywood, Lancashire, OL10 4HR Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	782	-	386151 411117
221	Contemporary Trade Directory Entries Name: Larkrose Location: Aspinall Street, Heywood, Lancashire, OL10 4HP Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	782	-	386151 411117
221	Contemporary Trade Directory Entries Name: Jeno Floral Location: Aspinall Street, Heywood, Lancashire, OL10 4HP Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	782	-	386151 411117
221	Contemporary Trade Directory Entries Name: Adelaide Engineering Co Ltd Location: Aspinall Street, Heywood, OL10 4HR Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	791	-	386191 411099
222	Contemporary Trade Directory Entries Name: Janian Architectural Services Ltd Location: 6, PILSWORTH ROAD, HEYWOOD, OL10 3EZ Classification: Ornamental Metalwork Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	792	-	384938 410698
223	Contemporary Trade Directory Entries Name: Armstrong Technical Services (Nw) Ltd Location: 1, Woodfield Terrace, Heywood, Lancashire, OL10 4JE Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	795	-	386089 411170
224	Contemporary Trade Directory Entries Name: T Harrison Printers Engineers Location: George Street, Heywood, Lancashire, OL10 4PW Classification: Printing Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	796	-	385048 410932
225	Contemporary Trade Directory Entries Name: Merrion Packaging Ltd Location: Junction 19 Industrial Park, Green Lane, Heywood, Lancashire, OL10 1NB Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	809	-	386506 410311
225	Contemporary Trade Directory Entries Name: Master Auto Glass Ltd Location: Unit 7, Junction 19 Industrial Park, Green Lane, Heywood, OL10 1NB Classification: Glass Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	825	-	386521 410303
225	Contemporary Trade Directory Entries Name: Elddis Transport Location: Junction 19 Industrial Park, Green Lane, Heywood, OL10 1NB Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	825	-	386521 410303
226	Contemporary Trade Directory Entries Name: R & B Switchgear Services Ltd Location: Switchgear House The Courtyard, Green Lane, Heywood, Lancashire, OL10 2EX Classification: Marine Engineering Equipment Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	814	-	386404 409995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
226	Contemporary Trade Directory Entries Name: Viewsafe Location: The Courtyard, Green Lane, Heywood, Lancashire, OL10 2EX Classification: Electrical Engineers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	815	-	386405 409995
226	Contemporary Trade Directory Entries Name: Oozla Leisure Wear Ltd Location: The Courtyard, Green La, Heywood, Lancashire, OL10 2EX Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	819	-	386410 409995
227	Contemporary Trade Directory Entries Name: Bulldogs Fireworks & Displays Location: Unit 2, Southgate Industrial Estate, Green Lane, Heywood, OL10 1ND Classification: Firework Stockists Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	815	-	386504 410258
228	Contemporary Trade Directory Entries Name: Howard Basford Ltd Location: Green La, Heywood, Lancashire, OL10 2EP Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	827	-	386466 410090
228	Contemporary Trade Directory Entries Name: Howard Basford Ltd Location: Green La, Heywood, Lancashire, OL10 2EP Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	827	-	386466 410090
228	Contemporary Trade Directory Entries Name: Pentagon Location: Green Lane, Heywood, Lancashire, OL10 2EP Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	849	-	386480 410067
228	Contemporary Trade Directory Entries Name: Korina Roba Ltd Ta Phoenix Fires Location: Phoenix Brewery, Green Lane, Heywood, Lancashire, OL10 2EP Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	871	-	386508 410076
228	Contemporary Trade Directory Entries Name: Phoenix Fires & Fireplaces Ltd Location: PHOENIX BREWERY, GREEN LANE, HEYWOOD, OL10 2EP Classification: Fireplaces & Mantelpieces Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	871	-	386508 410076
228	Contemporary Trade Directory Entries Name: Hogdoc Motorcycles Location: Green Lane, Heywood, OL10 2EP Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	871	-	386508 410076
229	Contemporary Trade Directory Entries Name: Mrs G'S Ironing & Alterations Service Location: 57, Omrod Road, HEYWOOD, Lancashire, OL10 1FQ Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	833	-	386524 410657
230	Contemporary Trade Directory Entries Name: Keith Wood Motors Location: Unit 6-8, Britannia Mill Industrial Estate, George Street, Heywood, Lancashire, OL10 4PW Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SE (NW)	840	-	385029 410982

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
231	Contemporary Trade Directory Entries Name: Britannia Scrap Metals Ltd Location: Scrap Yard, Britannia Street, Heywood, Lancashire, OL10 4PL Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	851	-	384951 410880
232	Contemporary Trade Directory Entries Name: Carrokeel Seafoods Ltd Location: Junction 19 Ind Pk, Green La, Heywood, Lancashire, OL10 1NB Classification: Frozen Food Processors & Distributors Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	853	-	386531 410206
233	Contemporary Trade Directory Entries Name: J C Location: Higher Broadfield Farm, Pilsworth Road, Heywood, OL10 2TA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	854	-	385033 409862
234	Contemporary Trade Directory Entries Name: J Brooks Roofing Location: 19, Agincourt Street, Heywood, OL10 3EY Classification: Woodburning Stoves Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	856	-	384865 410673
235	Contemporary Trade Directory Entries Name: Absolutley Steamini Location: 19, Middleton Road, Heywood, Lancashire, OL10 2HU Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	868	-	386308 409787
235	Contemporary Trade Directory Entries Name: Westwood Horse Boxes Location: 3, Charles Street, Heywood, Lancashire, OL10 2HR Classification: Horse Boxes & Transporting Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	887	-	386348 409800
236	Contemporary Trade Directory Entries Name: Pillar Wedge Ltd Location: Green Lane, Heywood, Lancashire, OL10 2DY Classification: Corrosion Prevention & Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	871	-	386570 410325
237	Contemporary Trade Directory Entries Name: Tamicare Location: Unit 4 Broadfield Business Park, Heywood, Lancashire, OL10 2TA Classification: Printers Textile Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	893	-	384882 410025
238	Contemporary Trade Directory Entries Name: Syntema (North West) Ltd Location: Unit 3, Lemon Park Industrial Estate, Green Lane, Heywood, Lancashire, OL10 2EW Classification: Coating Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	907	-	386498 409974
238	Contemporary Trade Directory Entries Name: Avanti Blue Ltd Location: Unit 1-3, Lemon Park Industrial Estate, Green Lane, Heywood, Lancashire, OL10 2EW Classification: Plastics - Extrusion Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	923	-	386525 409989
239	Contemporary Trade Directory Entries Name: Coupe & Cabriolet Location: 122, Manchester Road, HEYWOOD, Lancashire, OL10 2NN Classification: Classic Car Specialists Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	925	-	385968 409522

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
240	Contemporary Trade Directory Entries Name: Fairfield Yarns Location: Co-operative Buildings, 131, Rochdale Road East, Heywood, Lancashire, OL10 1QU Classification: Knitting Yarn Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	929	-	386502 410959
241	Contemporary Trade Directory Entries Name: Phoenix Fires Ltd Location: Green Lane, Heywood, Lancashire, OL10 2EP Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	929	-	386565 410062
242	Contemporary Trade Directory Entries Name: Expert Logistics Location: 908, Pilsworth Road, Heywood, Lancashire, OL10 2TA Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A7NW (SW)	930	-	384918 409889
243	Contemporary Trade Directory Entries Name: Washed & Vac Centre Location: 12, Broadfield Street, Heywood, Lancashire, OL10 3DT Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	937	-	384775 410198
243	Contemporary Trade Directory Entries Name: Kiernan Location: 18, Broadfield Street, Heywood, Lancashire, OL10 3DT Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	952	-	384757 410211
244	Contemporary Trade Directory Entries Name: Chris Hayter Transport Ltd Location: UNIT 1, BROADFIELD DISTRIBUTION PARK, PILSWORTH ROAD, HEYWOOD, OL10 2TA Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	939	-	384874 409942
245	Contemporary Trade Directory Entries Name: Proclean Heywood Location: 18, High Street, Heywood, OL10 3HJ Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	940	-	384786 410703
246	Contemporary Trade Directory Entries Name: T D G Location: Pilsworth Rd, Heywood, Lancashire, OL10 2TA Classification: Distribution Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	951	-	384816 410030
247	Contemporary Trade Directory Entries Name: Trust Distribution Location: Phoenix Park Industrial Estate, Park Street, Heywood, Lancashire, OL10 2AB Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	957	-	386495 409871
248	Contemporary Trade Directory Entries Name: Heywood Ironing Services Location: 24a, Barley Hall Street, HEYWOOD, Lancashire, OL10 4DD Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	970	-	386441 411110
249	Contemporary Trade Directory Entries Name: Recycling Solutions Ltd Location: Unit 104, Phoenix Park Industrial Estate, Phoenix Close, Heywood, OL10 2JG Classification: Waste Disposal Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	973	-	386635 410132

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
250	Contemporary Trade Directory Entries Name: B J Motors Location: River Street, Heywood, OL10 4AB Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	975	-	385555 411436
250	Contemporary Trade Directory Entries Name: Derbyshire Motors Ltd Location: River Street, Heywood, OL10 4AB Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	982	-	385568 411446
250	Contemporary Trade Directory Entries Name: March Engineering Co Location: River Street, Heywood, Lancashire, OL10 4AB Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	982	-	385568 411446
250	Contemporary Trade Directory Entries Name: Pad Printers Ltd Location: Park Works, River Street, Heywood, Lancashire, OL10 4AB Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	982	-	385568 411446
250	Contemporary Trade Directory Entries Name: Property Protection Services Location: River Street Works, River Street, Heywood, Lancashire, OL10 4AB Classification: Roller Shutter Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	982	-	385568 411446
250	Contemporary Trade Directory Entries Name: Riverstreet Car Sales Ltd Location: River Street Works, River Street, Heywood, Lancashire, OL10 4AB Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	982	-	385568 411446
250	Contemporary Trade Directory Entries Name: Heywood Location: UNIT 2,THE WORKS,River St, Heywood, Lancashire, OL10 4AB Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A23SW (N)	998	-	385541 411458
251	Contemporary Trade Directory Entries Name: Arlen Hygiene Location: Arlen Way, Heywood, Lancashire, OL10 4PY Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	975	-	384830 410917
252	Contemporary Trade Directory Entries Name: Leesononia (UK) Location: Unit 309, Phoenix Park Industrial Estate, Phoenix Close, Heywood, Lancashire, OL10 2JG Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	980	-	386592 409997
252	Contemporary Trade Directory Entries Name: Sound Solutions (Europe) Ltd Location: Unit 309, Phoenix Park Industrial Estate, Phoenix Close, Heywood, Lancashire, OL10 2JG Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	980	-	386592 409997
252	Contemporary Trade Directory Entries Name: Bamford Horse Boxes Ltd Location: Unit 309, Phoenix Park Industrial Estate, Phoenix Close, Heywood, Lancashire, OL10 2JG Classification: Horse Boxes & Transporting Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	980	-	386592 409997

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
252	Contemporary Trade Directory Entries Name: P I Technical Services Ltd Location: Unit 310, Phoenix Park Industrial Estate, Phoenix Close, Heywood, Lancashire, OL10 2JG Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	997	-	386607 409988
252	Contemporary Trade Directory Entries Name: Baldwin Technical Services Ltd Location: Unit 310, Phoenix Park Industrial Estate, Phoenix Close, Heywood, Lancashire, OL10 2JG Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	997	-	386607 409988
253	Contemporary Trade Directory Entries Name: Phoenix Honda Specailist Location: Unit 207, Phoenix Park Industrial Estate, Phoenix Close, Heywood, OL10 2JG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	987	-	386624 410054
253	Contemporary Trade Directory Entries Name: Panel Plus Location: Unit 27, Phoenix Park Industrial Estate, Phoenix Close, HEYWOOD, Lancashire, OL10 2JG Classification: Door Manufacturers - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	987	-	386624 410054
254	Contemporary Trade Directory Entries Name: Townhead Chrome Specialist Metal Finishing Location: Unit 506, Phoenix Park Industrial Estate, Phoenix Close, Heywood, Lancashire, OL10 2JG Classification: Metal Finishing Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	991	-	386552 409897
255	Contemporary Trade Directory Entries Name: Manchester Galvanising Location: Green Lane, Heywood, Lancashire, OL10 2DY Classification: Coating Specialists Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	997	-	386694 410299
256	Contemporary Trade Directory Entries Name: Hy-Speed Tyre Service Ltd Location: 44-48, Bury Street, Heywood, Lancashire, OL10 4QG Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	999	-	384751 410790
256	Contemporary Trade Directory Entries Name: Bury Street Tyres Location: 44-48, Bury Street, Heywood, Lancashire, OL10 4QG Classification: Tyre Repairs & Retreading Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (W)	999	-	384751 410790
257	Fuel Station Entries Name: Kempster Ford Location: Hardfield Street , , Heywood, Greater Manchester, OL10 1DG Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	144	-	385769 410602
258	Fuel Station Entries Name: Heywood Service Station Location: Manchester Street , , Heywood, Greater Manchester, OL10 1NL Brand: Unbranded Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A14NW (E)	373	-	386084 410443
259	Fuel Station Entries Name: Heywood Express Location: York Street Adelaide Street, , Heywood, Greater Manchester, OL10 4HQ Brand: ESSO Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A13NE (NE)	410	-	385984 410776

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
260	Fuel Station Entries Name: Morrisons Heywood Location: Bamford Road , , Heywood, Greater Manchester, OL10 4PU Brand: MORRISONS Premises Type: Hypermarket Status: Open Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	591	-	385448 411008
261	Points of Interest - Commercial Services Name: Kempsters of Heywood Location: Hardfield Garage 34, Manchester Street, Heywood, OL10 1DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	213	7	385865 410617
261	Points of Interest - Commercial Services Name: Kempsters of Heywood Location: Hardfield Garage 34, Manchester Street, Heywood, OL10 1DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	213	7	385865 410617
262	Points of Interest - Commercial Services Name: Lord's Motors Location: Russell Street, Heywood, OL10 1NY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	287	7	385981 410570
262	Points of Interest - Commercial Services Name: Lord's Motors Location: Russell Street, Heywood, OL10 1NY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	287	7	385981 410570
262	Points of Interest - Commercial Services Name: H & B Commercial Services Location: Marlor Works, Russell Street, Heywood, OL10 1NX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	326	7	386020 410575
262	Points of Interest - Commercial Services Name: Finer Detailing Ltd Location: 2 Russell Street, Heywood, OL10 1NX Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NW (E)	340	7	386047 410525
263	Points of Interest - Commercial Services Name: Formula One Autocentres Location: York Street, Heywood, OL10 4NS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (N)	302	7	385780 410764
263	Points of Interest - Commercial Services Name: Equipe Tyre & Autocare Location: York Street, Heywood, OL10 4NR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (N)	304	7	385795 410762
264	Points of Interest - Commercial Services Name: A B Cylinder Head Services Location: Unit 1, Hall Street, Heywood, OL10 1DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	319	7	386006 410310
264	Points of Interest - Commercial Services Name: M D Autos Location: Unit 3, Hall Street, Heywood, OL10 1DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	319	7	386006 410310
264	Points of Interest - Commercial Services Name: Green Lane Auto Engineers Location: Green Lane Auto Engineers, Hall Street, Heywood, OL10 1DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	338	7	386033 410336

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
264	Points of Interest - Commercial Services Name: L & G Auto Electrics Location: Unit 2, Hall Street, Heywood, OL10 1DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	338	7	386038 410365
264	Points of Interest - Commercial Services Name: Greenlane Auto Engineers Location: Hall Street, Heywood, OL10 1DP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	341	7	386036 410338
264	Points of Interest - Commercial Services Name: Hillside Bodyshop Location: Units 1 and 2, Cowburn Street, Heywood, OL10 2AJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	371	7	386060 410308
265	Points of Interest - Commercial Services Name: Hamilton Logistics Location: 1 Market Street, Heywood, OL10 1HT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SW (NW)	381	7	385487 410790
265	Points of Interest - Commercial Services Name: Hamilton Logistics Manchester Ltd Location: 1b Market Street, Heywood, OL10 1HT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SW (NW)	389	7	385486 410799
266	Points of Interest - Commercial Services Name: S R B Plant Hire Ltd Location: Srb Plant Hire Ltd the Transport Yard, Brierley Street, Heywood, OL10 1PH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NW (NE)	386	7	386072 410609
267	Points of Interest - Commercial Services Name: Birtwistle's MOT Service & Repair Centre Location: 135 York Street, Heywood, OL10 4NS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	408	7	385991 410767
267	Points of Interest - Commercial Services Name: Birtwistles M O T Service & Repairs Location: 135 York Street, Heywood, OL10 4NS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	408	7	385991 410767
268	Points of Interest - Commercial Services Name: Bradson Automotive Location: Russell Street, Heywood, OL10 1NX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (E)	426	7	386137 410439
268	Points of Interest - Commercial Services Name: Precision Components & Equipment Ltd Location: Railway Street, Heywood, OL10 1LX Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A14SW (E)	446	7	386150 410383
268	Points of Interest - Commercial Services Name: Precision Components & Equipment Ltd Location: Railway Street, Heywood, OL10 1LX Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A14SW (E)	446	7	386150 410383
269	Points of Interest - Commercial Services Name: C & J Autos Location: Mission Street Garage Cj Autos, Mission Street, Heywood, OL10 1HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	432	7	385375 410760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
269	Points of Interest - Commercial Services Name: C & J Autos Location: Mission Street Garage, Mission Street, Heywood, OL10 1HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	432	7	385375 410760
269	Points of Interest - Commercial Services Name: C & J Autos Location: Mission Street Garage, Mission Street, Heywood, OL10 1HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	432	7	385375 410760
269	Points of Interest - Commercial Services Name: Albert Jagger Ltd Location: Foxhill Works, Fox Street, Heywood, OL10 1EA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (NW)	437	7	385322 410696
269	Points of Interest - Commercial Services Name: Albert Jagger Ltd Location: Foxhill Works, Fox Street, Heywood, OL10 1EA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NE (NW)	437	7	385322 410696
269	Points of Interest - Commercial Services Name: A M S Location: 6-8 Mission Street, Heywood, OL10 1HY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (NW)	456	7	385364 410784
270	Points of Interest - Commercial Services Name: I M O Car Wash Location: 1 Rochdale Road East, Heywood, OL10 4DX Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NW (NE)	474	7	386084 410764
270	Points of Interest - Commercial Services Name: Imo Car Wash Location: Rochdale Road East, Heywood, OL10 4DX Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NW (NE)	519	7	386151 410747
271	Points of Interest - Commercial Services Name: Complete Technology Ltd Location: Unit 2b Roeacre Business Park, Bradshaw Street, Heywood, OL10 1PN Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A14NW (E)	487	7	386178 410610
271	Points of Interest - Commercial Services Name: Kwik-Fit (GB) Limited Location: Unit 1 Roeacre Business Park, Bradshaw Street, Heywood, OL10 1PN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	487	7	386178 410610
271	Points of Interest - Commercial Services Name: Motorworld Location: Unit 4 Roeacre Business Park, Bradshaw Street, Heywood, OL10 1PN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NW (E)	567	7	386250 410649
272	Points of Interest - Commercial Services Name: Bridge Auto Centre Location: 19 Bamford Road, Heywood, OL10 4TA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (NW)	491	7	385456 410899
273	Points of Interest - Commercial Services Name: Express Valet Valeting Location: 2 Gregge Street, Heywood, OL10 2ED Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (SE)	527	7	386193 410214

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
273	Points of Interest - Commercial Services Name: Jack Gibson & Sons Location: Twin Mill, Gregge Street, Heywood, OL10 2ED Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	568	7	386225 410185
273	Points of Interest - Commercial Services Name: Gibson Hire Location: Twin Mill, Gregge Street, Heywood, OL10 2ED Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SW (SE)	568	7	386224 410184
274	Points of Interest - Commercial Services Name: Excel Shipping Location: 64-66 Market Street, Heywood, OL10 4LY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A17SE (NW)	541	7	385302 410840
275	Points of Interest - Commercial Services Name: Park Garage Location: Langton Street, Heywood, OL10 4LH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (N)	553	7	385688 411025
275	Points of Interest - Commercial Services Name: Park Garage Location: Langton Street, Heywood, OL10 4LH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (N)	553	7	385688 411025
276	Points of Interest - Commercial Services Name: Morrisons Heywood Location: Bamford Road, Heywood, OL10 4NR Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SW (NW)	591	7	385448 411008
276	Points of Interest - Commercial Services Name: Car Wash Location: Bamford Road, Heywood, Lancashire, OL10 4NR Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SW (NW)	591	7	385448 411008
276	Points of Interest - Commercial Services Name: Morrisons Car Wash Location: Dawson Street, Heywood, OL10 4PN Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SW (NW)	592	7	385449 411009
277	Points of Interest - Commercial Services Name: F M S Location: 64 Aspinall Street, Heywood, OL10 4HN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	598	7	386077 410944
278	Points of Interest - Commercial Services Name: Barrett's Haulage Ltd Location: Sefton Street, Heywood, OL10 2JF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	604	7	386297 410303
278	Points of Interest - Commercial Services Name: Fastserv Location: The Old Goods Yard, Sefton Street, Heywood, OL10 2JF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	604	7	386297 410303
278	Points of Interest - Commercial Services Name: Teknion Location: Unit 24 Southgate Industrial Estate, Cross Street, Heywood, OL10 1PW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (E)	621	7	386327 410385

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
279	Points of Interest - Commercial Services Name: Digby & Son Location: 1 Gorton Street, Heywood, OL10 4EA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	627	7	386225 410831
279	Points of Interest - Commercial Services Name: Digby & Son Location: Digby and Son Auto Electrics Lectra Works, Gorton Street, Heywood, OL10 4ED Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	645	7	386239 410842
280	Points of Interest - Commercial Services Name: M G B Springs Location: Unit 4 Broadfield Industrial Estate, Seymour Street, Heywood, OL10 3AJ Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A12SE (W)	653	7	385036 410368
280	Points of Interest - Commercial Services Name: M G B Springs Location: Unit 4 Broadfield Industrial Estate, Seymour Street, Heywood, OL10 3AJ Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A12SE (W)	653	7	385036 410368
280	Points of Interest - Commercial Services Name: Airflow UK Ltd Location: Unit 5 Broadfield Industrial Estate, Seymour Street, Heywood, OL10 3AJ Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A12SW (W)	680	7	385009 410365
281	Points of Interest - Commercial Services Name: Inter Count Truck & Van Location: Unit 7 Broadfield Distribution Park, Pilsworth Road, Heywood, OL10 2TA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	668	7	385108 410078
281	Points of Interest - Commercial Services Name: Expert Logistics Location: Broadfield Centre, Pilsworth Road, Heywood, OL10 2TA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	676	7	385103 410071
282	Points of Interest - Commercial Services Name: M L Motors Location: Shepherd Street, Heywood, OL10 1JW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	676	7	385151 410870
282	Points of Interest - Commercial Services Name: M L Motors Location: 6 Shepherd Street, Heywood, OL10 1JW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SE (NW)	687	7	385134 410865
283	Points of Interest - Commercial Services Name: W Pickup Ltd Location: 19 Green Lane, Heywood, OL10 1NQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NW (NE)	692	7	386335 410770
283	Points of Interest - Commercial Services Name: J D Components Location: 19 Green Lane, Heywood, OL10 1NQ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14NW (NE)	692	7	386335 410770
284	Points of Interest - Commercial Services Name: Coolfreight Ltd Location: 11 Brayshaw Close, Heywood, OL10 3EE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SE (W)	693	7	385036 410174

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
285	Points of Interest - Commercial Services Name: Joe Sharp Freight Location: Sefton Street, Heywood, OL10 2JF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SW (SE)	699	7	386350 410146
286	Points of Interest - Commercial Services Name: Arnold's Location: Unit B, Gregge Street, Heywood, OL10 2ED Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	716	7	386296 410007
287	Points of Interest - Commercial Services Name: Failsworth Haulage Ltd Location: 5 Pilsworth Road, Heywood, OL10 3EZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NW (W)	724	7	384988 410615
288	Points of Interest - Commercial Services Name: Hogdoc Location: Unit 3 Britannia Mill Industrial Estate, George Street, Heywood, OL10 4PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	763	7	385016 410816
288	Points of Interest - Commercial Services Name: P W Motors Location: Unit 1-3 Britannia Mill Industrial Estate, George Street, Heywood, OL10 4PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	772	7	385005 410813
288	Points of Interest - Commercial Services Name: C & B Autos Location: Unit 1 Britannia Mill Industrial Estate, George Street, Heywood, OL10 4PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	772	7	385005 410813
288	Points of Interest - Commercial Services Name: C & B Autos Location: Unit 1 Britannia Mill Industrial Estate, George Street, Heywood, OL10 4PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	772	7	385005 410813
288	Points of Interest - Commercial Services Name: Elite Autocare Heywood Location: Unit 1-3 Britannia Mill Industrial Estate, George Street, Heywood, OL10 4PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	772	7	385005 410813
289	Points of Interest - Commercial Services Name: Siddall Street Garage Location: Siddall Street, Heywood, OL10 2AS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	764	7	386160 409796
289	Points of Interest - Commercial Services Name: Siddall Street Garage Location: Siddall Street, Heywood, OL10 2AS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	764	7	386159 409795
290	Points of Interest - Commercial Services Name: Keith Wood Motors Location: Units 6 to 8 Britannia Mill Industrial Estate, George Street, Heywood, OL10 4PW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	782	7	385014 410852
290	Points of Interest - Commercial Services Name: Scrap Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	859	7	384947 410890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
291	Points of Interest - Commercial Services Name: O P S Environmental Services Ltd Location: Phoenix House, Green Lane, Heywood, OL10 2EP Category: Recycling Services Class Code: Recycling, Reclamation and Disposal Positional Accuracy: Positioned to address or location	A9NE (SE)	842	7	386467 410056
291	Points of Interest - Commercial Services Name: Pentagon Location: Green Lane, Heywood, OL10 2EP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	849	7	386480 410067
291	Points of Interest - Commercial Services Name: Pentagon Location: Green Lane, Heywood, OL10 2EP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	849	7	386480 410067
291	Points of Interest - Commercial Services Name: Hogdoc Motorcycles Location: Unit 2 Phoenix Brewery, Green Lane, Heywood, OL10 2EP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	871	7	386508 410076
292	Points of Interest - Commercial Services Name: U Value Insulation Ltd Location: Unit 3 Broadfield Business Park, Pilsworth Road, Heywood, OL10 2TA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (SW)	877	7	384960 409920
292	Points of Interest - Commercial Services Name: U Value Insulation Ltd Location: Unit 3, Pilsworth Road, Heywood, OL10 2TA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (SW)	877	7	384962 409918
292	Points of Interest - Commercial Services Name: P & H Contract Services Location: 1 Broadfield Distribution Centre, Heywood, OL10 2TU Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (SW)	930	7	384885 409940
292	Points of Interest - Commercial Services Name: Chris Hayter Transport Ltd Location: Unit 1 Broadfield Distribution Park, Pilsworth Road, Heywood, OL10 2TA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NW (SW)	939	7	384874 409942
293	Points of Interest - Commercial Services Name: J C Location: Higher Broadfield Farm, Pilsworth Road, Heywood, OL10 2TA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NW (SW)	879	7	384985 409882
294	Points of Interest - Commercial Services Name: Disaster Recovery Services Ltd Location: Junction 19 Industrial Park, Green Lane, Heywood, OL10 1NB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	896	7	386585 410253
295	Points of Interest - Commercial Services Name: Mydent Ltd Location: Unit 406 Phoenix Park Industrial Estate, Phoenix Close, Heywood, OL10 2JG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	914	7	386473 409916
296	Points of Interest - Commercial Services Name: Manchester Mobile Valeting Ltd Location: 5 Barker Street, Heywood, OL10 3DU Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SW (W)	920	7	384786 410226

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	Points of Interest - Commercial Services Name: Coupe & Cabriolet Location: Letchworth 122, Manchester Road, Heywood, OL10 2NN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	925	7	385968 409522
298	Points of Interest - Commercial Services Name: Barrett's Haulage Location: White Gate Manor 19, Heywood Hall Road, Heywood, OL10 4US Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18NW (N)	931	7	385581 411396
298	Points of Interest - Commercial Services Name: B J Motors Location: River Street, Heywood, OL10 4AB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	975	7	385554 411436
298	Points of Interest - Commercial Services Name: Derbyshire Motors Ltd Location: River Street Works, River Street, Heywood, OL10 4AB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	981	7	385568 411445
298	Points of Interest - Commercial Services Name: Derbyshire Motors Location: River Street, Heywood, OL10 4AB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	982	7	385568 411446
298	Points of Interest - Commercial Services Name: B J Motors Location: River Street, Heywood, OL10 4AB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	982	7	385568 411446
299	Points of Interest - Commercial Services Name: Surridge Dawson Ltd Location: Unit 104 Phoenix Park Industrial Estate, Phoenix Close, Heywood, OL10 2JG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A14SE (E)	972	7	386635 410132
299	Points of Interest - Commercial Services Name: Phoenix Honda Specialist Location: Unit 208 Phoenix Close Industrial Estate, Phoenix Close, Heywood, OL10 2JG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	977	7	386615 410058
300	Points of Interest - Commercial Services Name: Aj's Professional Valeters Location: 44-48 Bury Street, Heywood, OL10 4QG Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (W)	999	7	384751 410790
300	Points of Interest - Commercial Services Name: Bury Street Tyres Location: 44-48 Bury Street, Heywood, OL10 4QG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (W)	999	7	384751 410790
300	Points of Interest - Commercial Services Name: Aj's Professional Valeters Location: 44-48 Bury Street, Heywood, OL10 4QG Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17SW (W)	999	7	384751 410790
301	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A13NE (NE)	200	7	385899 410540

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
301	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	205	7	385904 410541
301	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	230	7	385922 410563
301	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	230	7	385922 410563
301	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	231	7	385940 410508
301	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	238	7	385937 410546
301	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	238	7	385937 410546
301	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	289	7	385982 410573
302	Points of Interest - Manufacturing and Production Name: The Old Police Station Location: The Old Police Station Business Centre, Hind Hill Street, Heywood, OL10 1AQ Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A13NW (NW)	240	7	385542 410655
303	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	293	7	385997 410538
304	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	301	7	386010 410428
304	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	310	7	386014 410539
304	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	310	7	386014 410539

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
304	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	326	7	386036 410503
304	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	332	7	386043 410490
304	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	332	7	386043 410490
304	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	350	7	386062 410472
304	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	350	7	386062 410472
304	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	363	7	386066 410549
304	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	381	7	386088 410529
304	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	385	7	386092 410528
304	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	396	7	386105 410514
304	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	398	7	386109 410495
304	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	398	7	386108 410430
304	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	398	7	386108 410430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
304	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	398	7	386109 410495
304	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	412	7	386124 410479
304	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	412	7	386124 410480
305	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	306	7	386004 410356
305	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	327	7	386027 410367
305	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A13SE (E)	331	7	386030 410363
305	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	346	7	386038 410325
305	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	346	7	386038 410325
305	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	355	7	386045 410314
305	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	355	7	386045 410314
305	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	377	7	386067 410311
305	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	377	7	386067 410311

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
306	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	323	7	385954 410683
306	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	323	7	385954 410683
307	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	368	7	385425 410719
308	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	387	7	385852 410831
308	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	387	7	385852 410831
308	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	435	7	385930 410846
308	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (NE)	488	7	385960 410890
309	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	389	7	386090 410562
309	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	390	7	386091 410563
309	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A14NW (E)	391	7	386092 410560
310	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	393	7	386049 410672
310	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	394	7	386049 410673

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
310	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NW (NE)	421	7	386089 410658
310	Points of Interest - Manufacturing and Production Name: Tanks Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	421	7	386089 410658
310	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	426	7	386112 410617
310	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	432	7	386120 410612
310	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	438	7	386107 410658
310	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	443	7	386133 410607
310	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	458	7	386150 410602
311	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (SE)	408	7	385967 410097
311	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A8NE (SE)	408	7	385969 410099
312	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	435	7	385328 410702
312	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A12NE (NW)	440	7	385323 410704
312	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A12NE (NW)	452	7	385287 410661

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
312	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	456	7	385281 410657
313	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	451	7	386154 410376
313	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	451	7	386154 410376
314	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	472	7	386180 410414
314	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	476	7	386185 410415
314	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	517	7	386228 410451
314	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	524	7	386235 410452
315	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	488	7	386172 410276
315	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	488	7	386172 410276
316	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	488	7	386188 410577
316	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	502	7	386187 410632
316	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14NW (E)	515	7	386204 410622

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
316	Points of Interest - Manufacturing and Production Name: Tanks Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	515	7	386204 410622
316	Points of Interest - Manufacturing and Production Name: Business Park Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	523	7	386202 410652
316	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	524	7	386189 410687
316	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	526	7	386221 410604
316	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	547	7	386228 410651
317	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	517	7	385676 410989
317	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	517	7	385676 410989
317	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SW (N)	543	7	385675 411015
318	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A7NE (SW)	530	7	385256 410102
318	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (SW)	531	7	385252 410107
319	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	591	7	386249 410184
319	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	601	7	386254 410169

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
320	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A14SW (E)	629	7	386313 410257
320	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	680	7	386337 410163
320	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	680	7	386337 410164
320	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	703	7	386377 410209
321	Points of Interest - Manufacturing and Production Name: Southgate Industrial Park Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	660	7	386363 410363
321	Points of Interest - Manufacturing and Production Name: Southgate Industrial Park Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	691	7	386395 410365
322	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SE (W)	662	7	385025 410419
322	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A12SW (W)	667	7	385020 410423
322	Points of Interest - Manufacturing and Production Name: Tanks Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	668	7	385019 410418
323	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	665	7	385022 410410
323	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A12SW (W)	686	7	385007 410326
323	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A12SW (W)	699	7	384988 410407

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
323	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A12SW (W)	700	7	384992 410327
323	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A12SW (W)	701	7	384986 410409
324	Points of Interest - Manufacturing and Production Name: A & B Fireplaces Location: 48 Bridge Street, Heywood, OL10 1JF Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A17SE (NW)	674	7	385140 410851
325	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	703	7	386287 410017
325	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	706	7	386329 410082
325	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	707	7	386292 410017
325	Points of Interest - Manufacturing and Production Name: Gregge Street Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	712	7	386309 410035
325	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A9NW (SE)	729	7	386327 410031
325	Points of Interest - Manufacturing and Production Name: Tanks Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	729	7	386327 410031
326	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	744	7	385345 411127
327	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	769	7	385037 410001
328	Points of Interest - Manufacturing and Production Name: Britannia Mill Industrial Estate Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	771	7	385015 410831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
328	Points of Interest - Manufacturing and Production Name: Britannia Mill Industrial Estate Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	776	7	385008 410828
329	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	837	7	385028 409895
330	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	840	7	386288 411081
330	Points of Interest - Manufacturing and Production Name: Tank Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A19SW (NE)	842	7	386293 411079
330	Points of Interest - Manufacturing and Production Name: Tanks Location: OL10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	846	7	386293 411085
331	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	852	7	386494 410092
331	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	852	7	386494 410092
331	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	857	7	386484 410056
331	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	860	7	386488 410057
331	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	860	7	386488 410057
331	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	865	7	386502 410078
331	Points of Interest - Manufacturing and Production Name: Lemonpark Industrial Estate Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	892	7	386483 409976

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
331	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	892	7	386531 410077
331	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	896	7	386536 410078
331	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	908	7	386520 410014
331	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	908	7	386520 410014
331	Points of Interest - Manufacturing and Production Name: Lemonpark Industrial Estate Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	919	7	386515 409978
332	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	878	7	386265 409734
332	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	879	7	386265 409733
333	Points of Interest - Manufacturing and Production Name: Factory Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	905	7	385042 409776
334	Points of Interest - Manufacturing and Production Name: Phoenix Park Industrial Estate Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	949	7	386536 409954
334	Points of Interest - Manufacturing and Production Name: Phoenix Park Industrial Estate Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	962	7	386552 409957
335	Points of Interest - Manufacturing and Production Name: Industrial Park Location: OL10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	950	7	386626 410187
336	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	988	7	386684 410291

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
336	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	993	7	386689 410292
337	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	999	7	385566 411462
337	Points of Interest - Manufacturing and Production Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	999	7	385566 411462
338	Points of Interest - Public Infrastructure Name: Busy Bins Location: Unit 4, Cowburn Street, Heywood, OL10 2AJ Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A13SE (SE)	319	7	386006 410310
339	Points of Interest - Public Infrastructure Name: Heywood Police Station Location: Adelaide Street, Heywood, Greater Manchester, OL10 4HA Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A18SE (N)	365	7	385724 410836
340	Points of Interest - Public Infrastructure Name: Esso Location: York Street, Heywood, OL10 4NS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	405	7	385981 410773
340	Points of Interest - Public Infrastructure Name: Heywood Express Location: York Street, Adelaide Street, Heywood, OL10 4HQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	409	7	385983 410776
340	Points of Interest - Public Infrastructure Name: Tesco Petrol Station Location: Tesco Express Roe Acre Service Station, York Street, Heywood, OL10 4NS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	410	7	385984 410776
340	Points of Interest - Public Infrastructure Name: Heywood Express Location: York Street, Heywood, OL10 4NR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	410	7	385984 410776
341	Points of Interest - Public Infrastructure Name: Rothwells Super Travel Location: 60 Market Street, Heywood, OL10 4LY Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A17SE (NW)	529	7	385314 410837
342	Points of Interest - Public Infrastructure Name: Morrisons Petrol Station Location: Dawson Street, Heywood, OL10 4PN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SW (NW)	591	7	385451 411009
342	Points of Interest - Public Infrastructure Name: Morrisons Heywood Location: Bamford Road, Heywood, OL10 4NR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SW (NW)	591	7	385448 411008

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
342	Points of Interest - Public Infrastructure Name: Morrisons Petrol Station Location: Dawson Street, Heywood, OL10 4PN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SW (NW)	592	7	385449 411009
343	Points of Interest - Public Infrastructure Name: Sluice Location: OL10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	605	7	386280 410679
344	Points of Interest - Public Infrastructure Name: Clayton Cunningham Travel Ltd Location: 9 Sunningdale Drive, Heywood, OL10 2DB Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to address or location	A8SE (S)	661	7	385746 409748
345	Points of Interest - Public Infrastructure Name: Rochdale Borough Council Environmental Management Location: Rochdale Mbc Operational Depot, Green Lane, Heywood, OL10 2DY Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14SE (E)	870	7	386570 410324
346	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	524	7	385208 410658
346	Points of Interest - Recreational and Environmental Name: Playground Location: West Church Street, OL10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	530	7	385201 410658
347	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	584	7	385106 410468
347	Points of Interest - Recreational and Environmental Name: Playground Location: Boleyn Court, OL10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	584	7	385106 410468
348	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	719	7	386245 410953
349	Points of Interest - Recreational and Environmental Name: Playground Location: OL10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	887	7	385318 411274
349	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	891	7	385310 411274
350	Points of Interest - Recreational and Environmental Name: Play Area Location: OL10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	959	7	386192 409583

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
351	Areas of Adopted Green Belt Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan Status: Adopted Plan Date: 30th June 2006	A19NW (NE)	821	9	386111 411188

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

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

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	July 2023 July 2023 July 2023	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	January 2023 January 2023 January 2023	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale 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 Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale 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 - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2006 March 2006 March 2006	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	April 2018 April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	June 2015 June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lancashire County Council Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	April 2023 February 2016 February 2016 February 2016 May 2023 May 2023	Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Bury Metropolitan Borough Council Lancashire County Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	June 2023	Bi-Annually
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	October 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	September 2023	Quarterly
Points of Interest - Education and Health PointX	September 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2023	Quarterly
Points of Interest - Public Infrastructure PointX	September 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

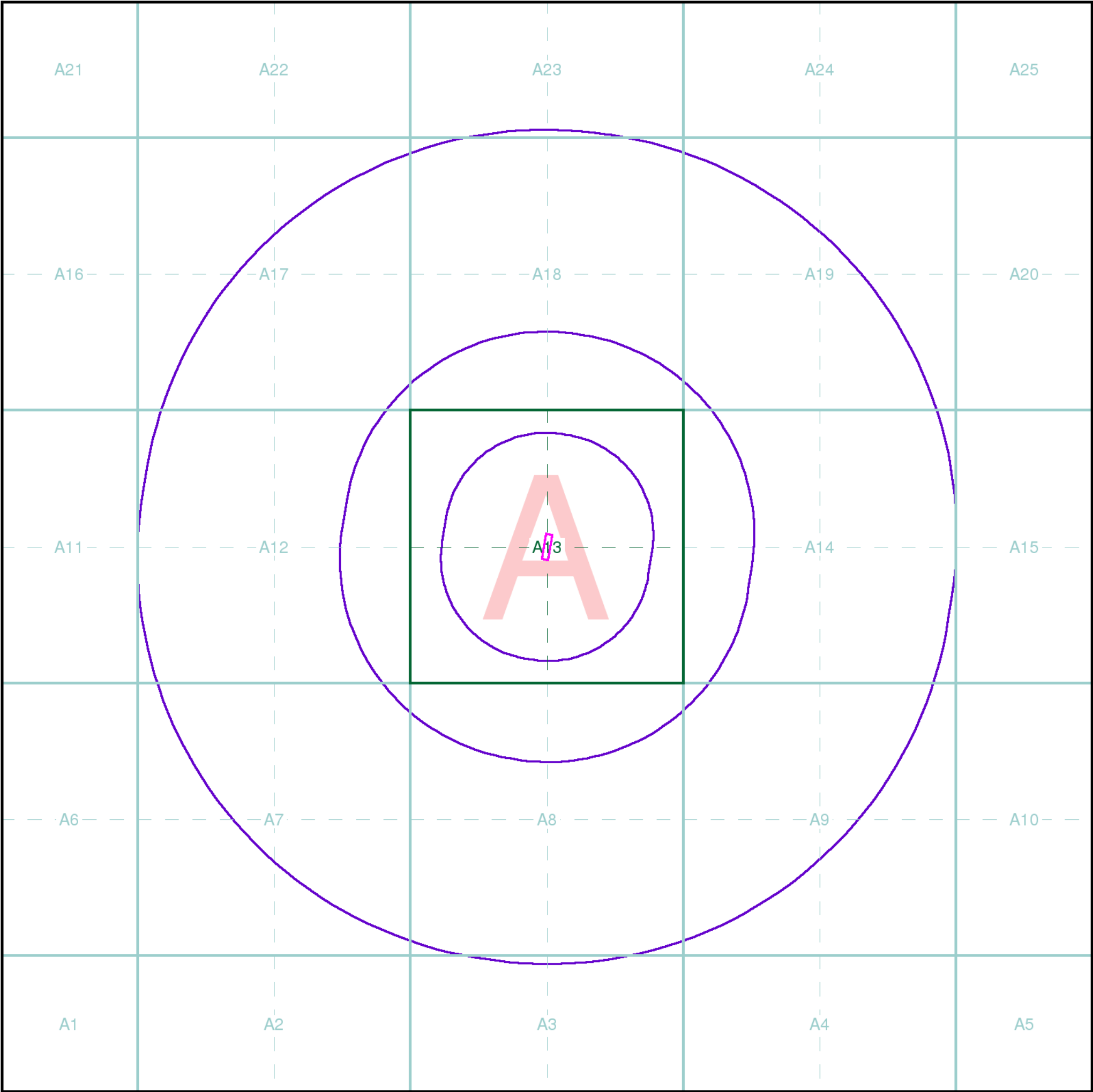
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2023	Bi-Annually
Areas of Adopted Green Belt Bury Metropolitan Borough Council Manchester City Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	August 2023 August 2023 August 2023 August 2023 August 2023	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Bury Metropolitan Borough Council Manchester City Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	August 2023 August 2023 August 2023 August 2023 August 2023	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	November 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	August 2023	Bi-Annually
Marine Nature Reserves Natural England	October 2023	Bi-Annually
National Nature Reserves Natural England	August 2023	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	October 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2023	Bi-Annually
Special Areas of Conservation Natural England	October 2023	Bi-Annually
Special Protection Areas Natural England	October 2023	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	Rochdale Metropolitan Borough Council - Environmental Health Department P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01706 864139 Fax: 01706 864185 Website: www.rochdale.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	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	PointX 7 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	Rochdale Metropolitan Borough Council PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
10	Bury Metropolitan Borough Council Craig House, Bank Street, Bury, Lancashire, BL9 0DN	Telephone: 0161 253 5000 Fax: 0161 705 5290 Website: www.bury.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.



Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



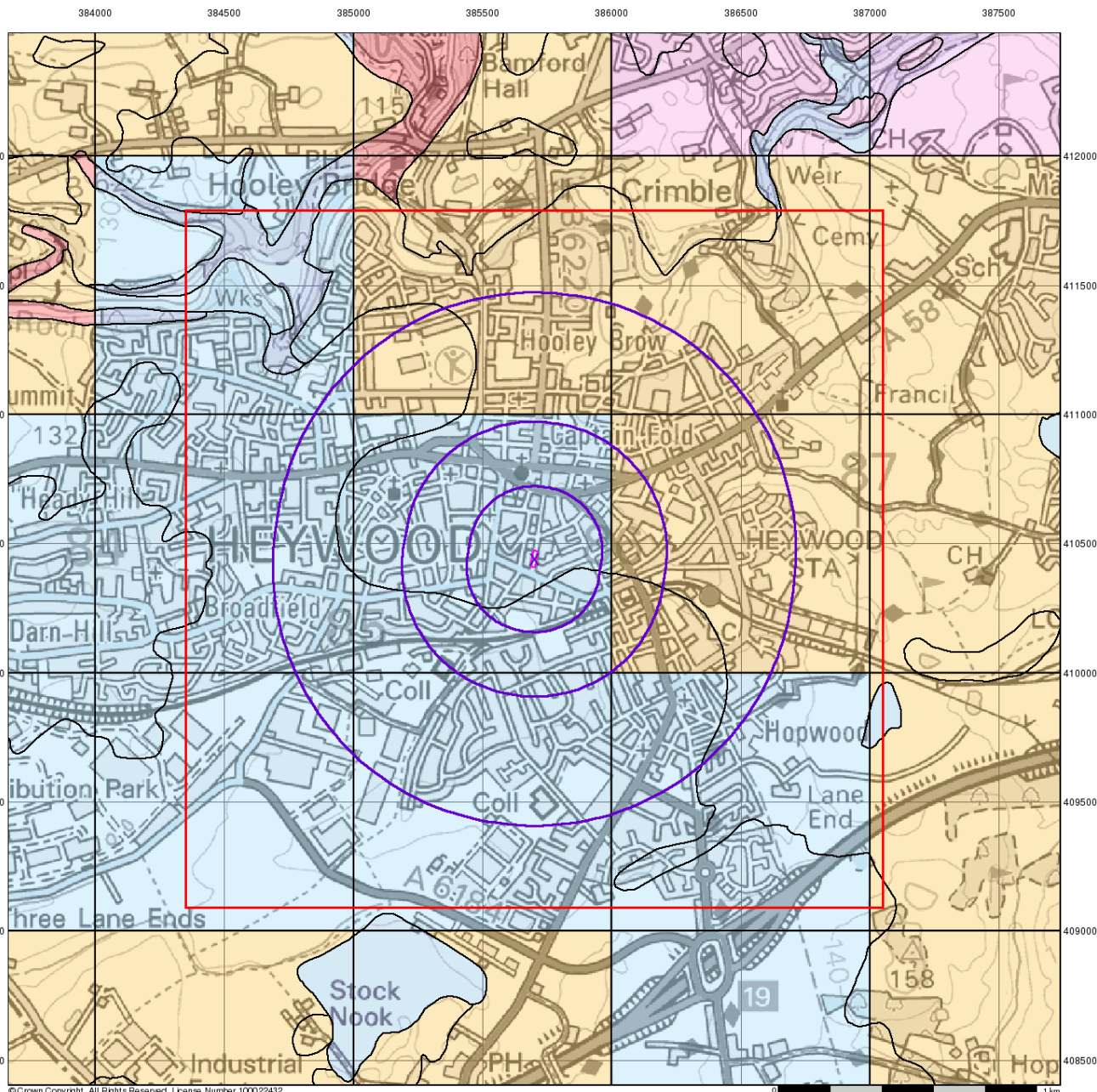
Envirocheck reports are compiled from 136 different sources of data.

Client Details
Ms S Ltd, Soiltechnics Limited, Cedar Barn, White Lodge, Walgrave, Northampton, NN6 9PY

Order Details
Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details
Hornby Street, Heywood

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



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0 1 km

soiltechnics

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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

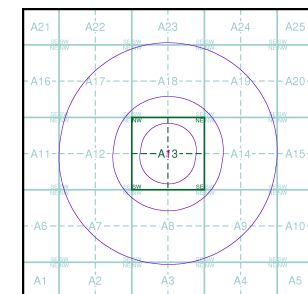
Superficial Aquifers

- 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

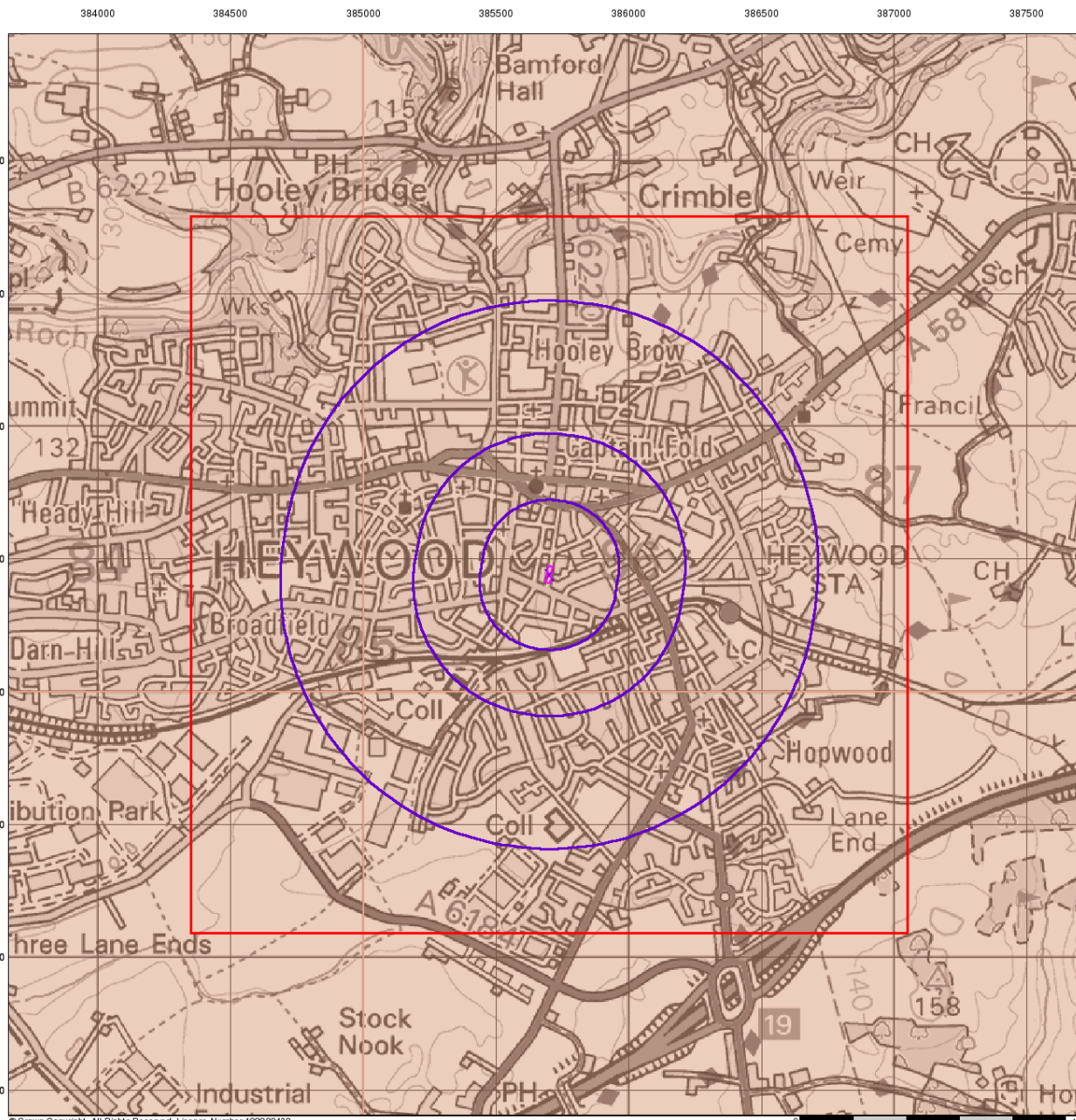
Order Number: 325164398_1_1
 Customer Ref: STV6299
 National Grid Reference: 385700, 410440
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details

Hornby Street, Heywood

Landmark
 INFORMATION GROUP

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0 1 km

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Bedrock Aquifer Designation

General

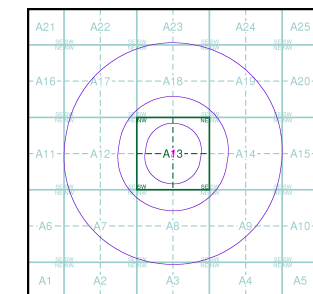
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

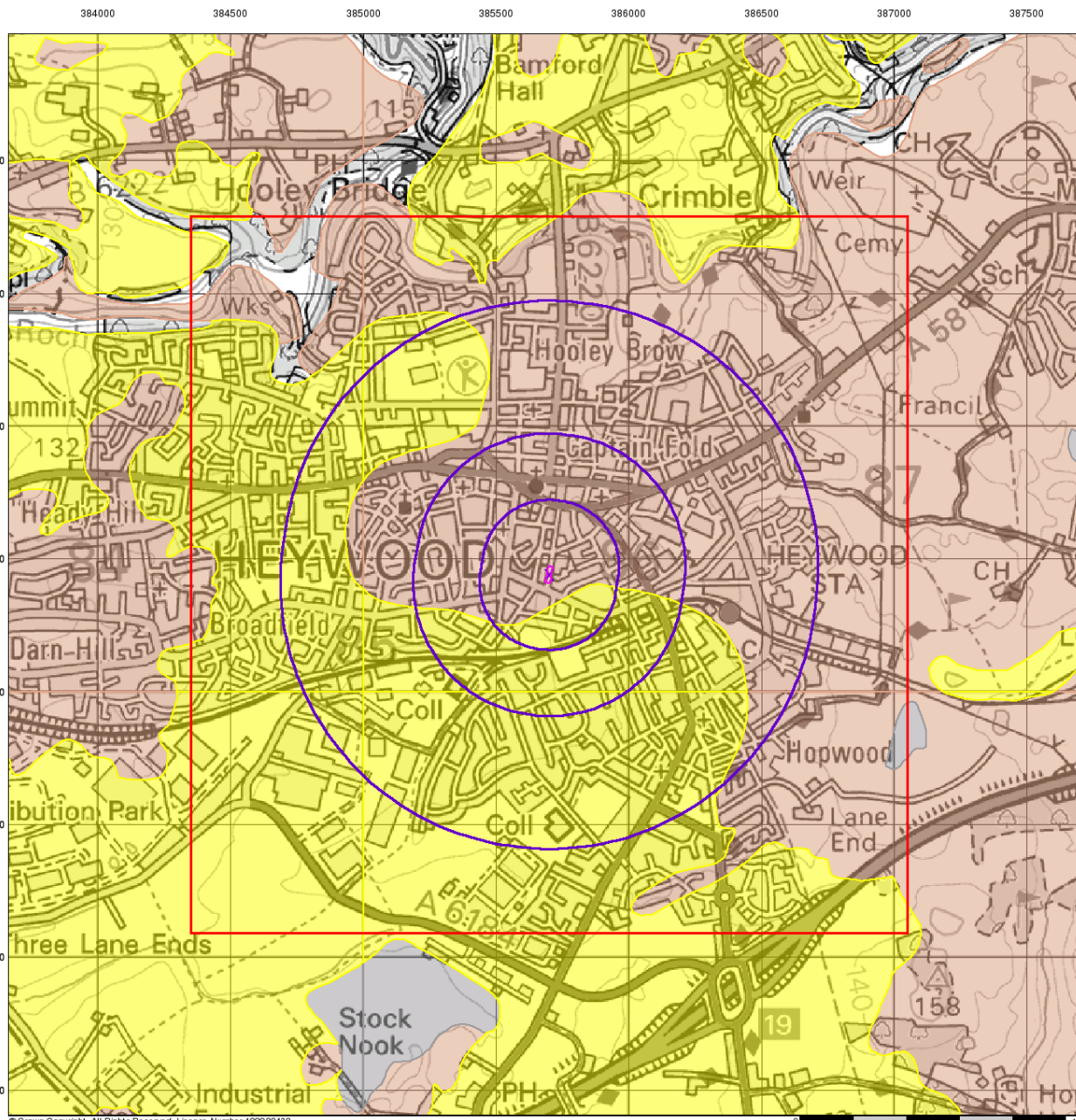
Order Number: 325164398_1_1
 Customer Ref: STV6299
 National Grid Reference: 385700, 410440
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

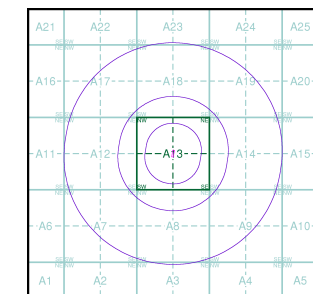
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

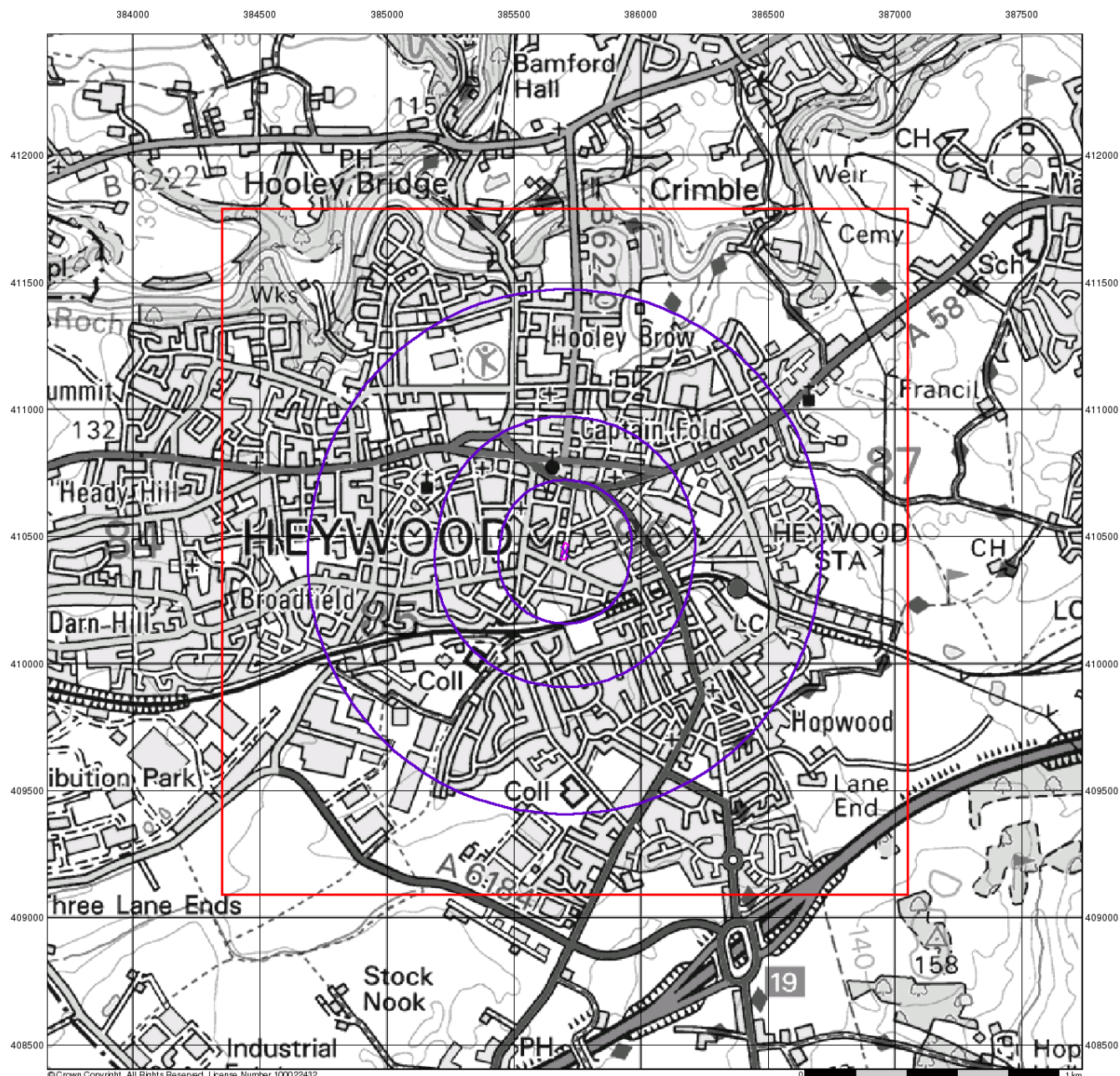
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 Customer Ref: STV6299
 National Grid Reference: 385700, 410440
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

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Source Protection Zones

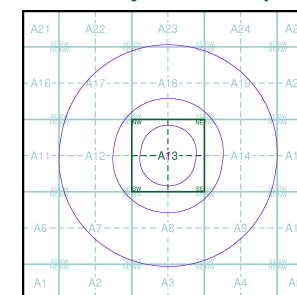
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

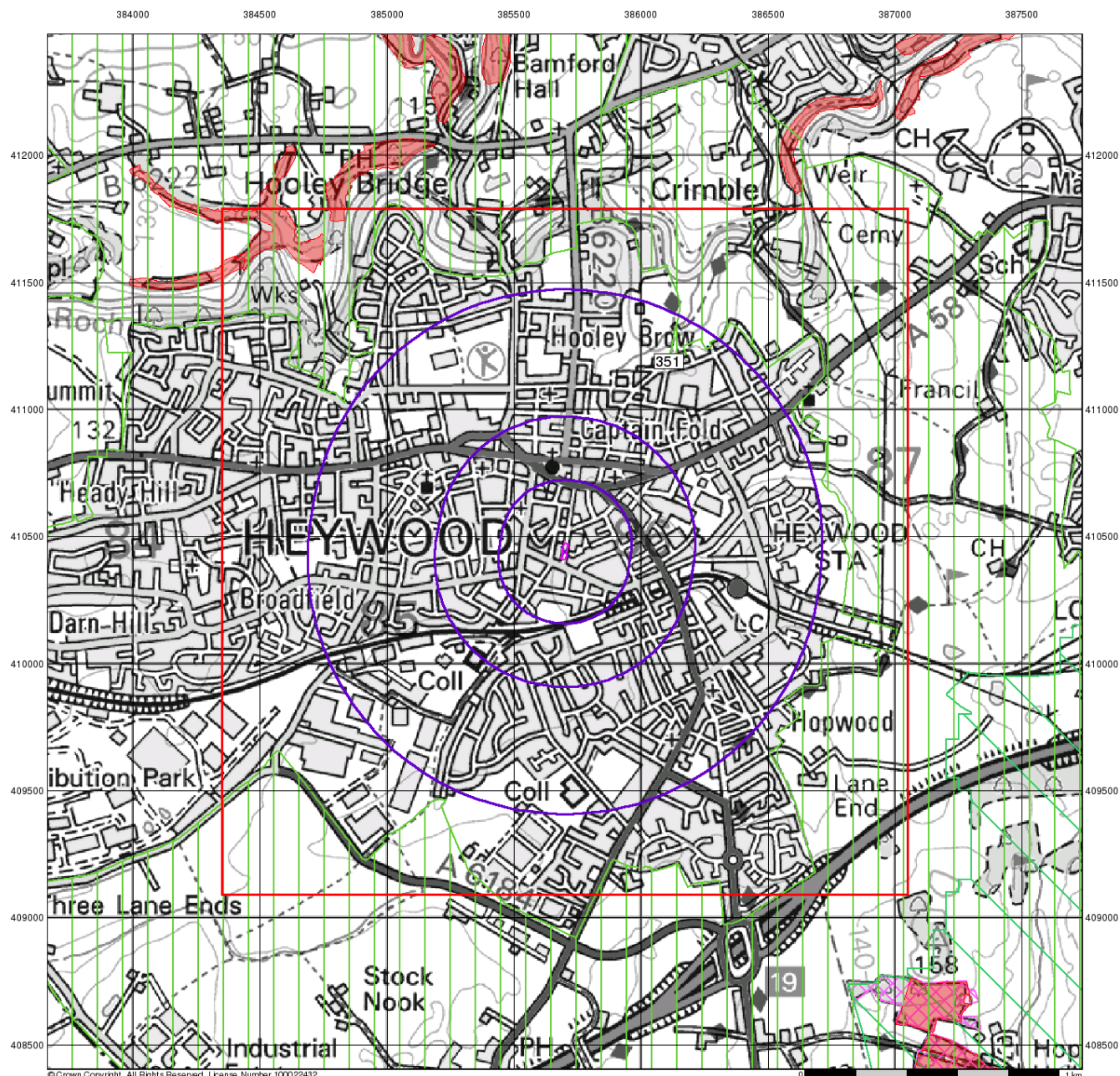
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 Customer Ref: STV6299
 National Grid Reference: 385700, 410440
 Slice: A
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Sensitive Land Uses

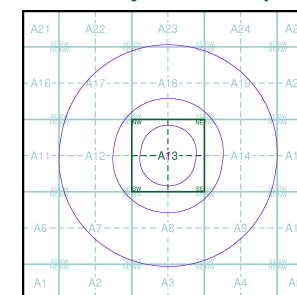
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

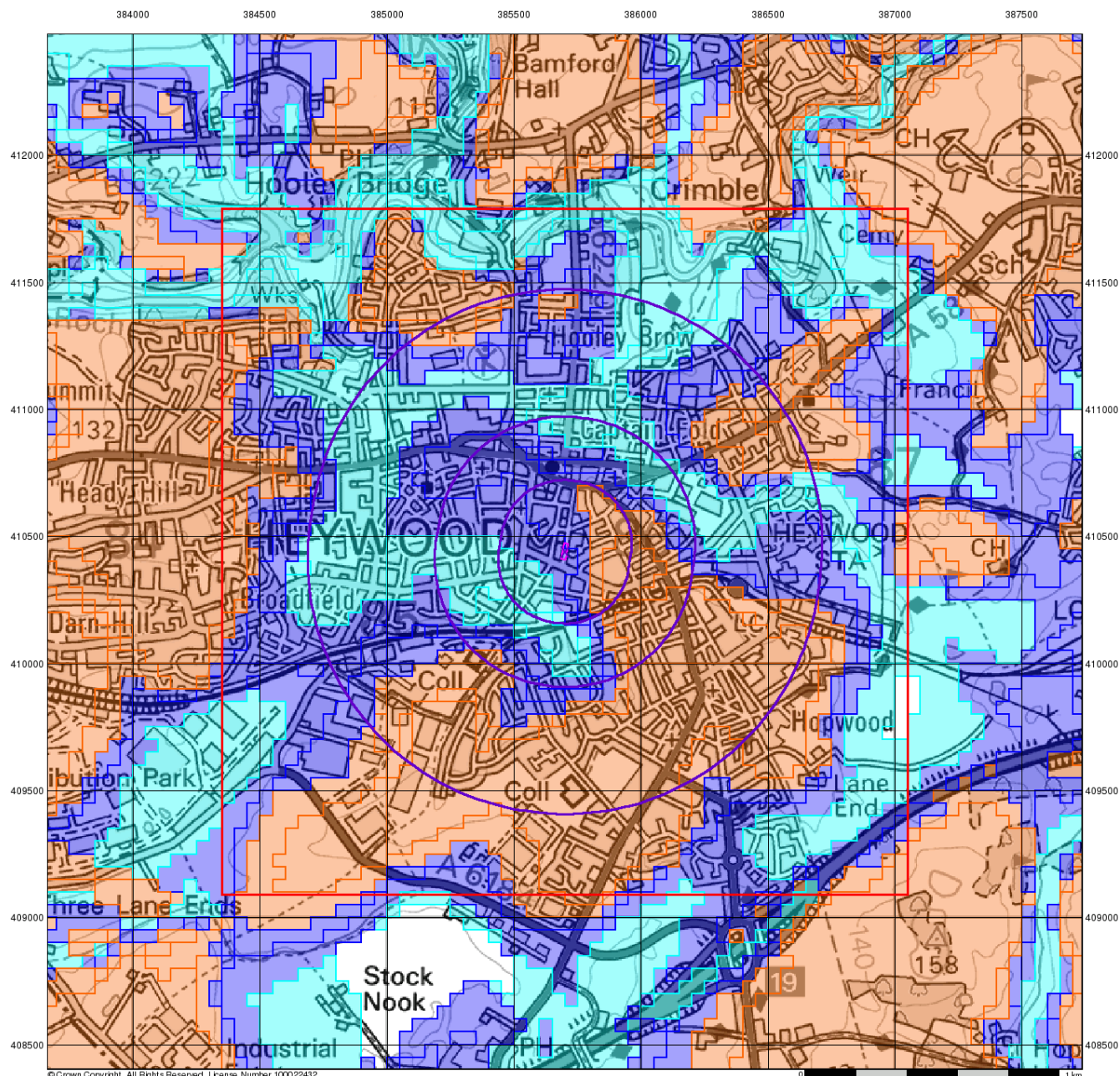
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 Customer Ref: STV6299
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BGS Flood GFS Data

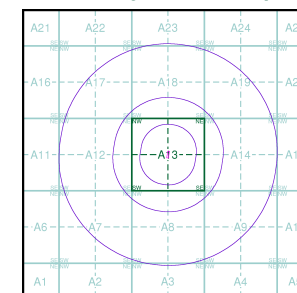
General

- 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

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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Not Supplied - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFICD	Glaciofluvial Ice Contact Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	PEAT	Peat	Peat	Not Supplied - Quaternary
	LDE	Lacustrine Deposits	Sand and Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	OL	Old Lawrence Rock	Sandstone	Not Supplied - Westphalian
	HER	Helpet Edge Rock	Sandstone	Not Supplied - Westphalian
	RSC	Riddle Scout Rock	Sandstone	Not Supplied - Westphalian
	GAS	Great Arc Sandstone	Sandstone	Not Supplied - Westphalian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WH	Woodhead Hill Rock	Sandstone	Not Supplied - Westphalian
	ROSSE	Rossendale Formation	Mudstone and Siltstone	Not Supplied - Namurian
	RR	Rough Rock	Sandstone	Not Supplied - Namurian
		Rock Segments		
		Faults		

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Geology 1:50,000 Maps

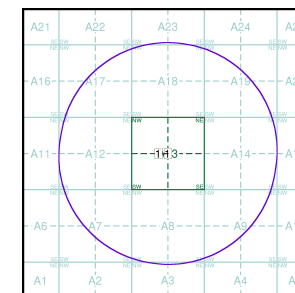
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	085
Map Name:	Manchester
Map Date:	2010
Bedrock Geology:	Available
Superficial Geology:	Not Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Not Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

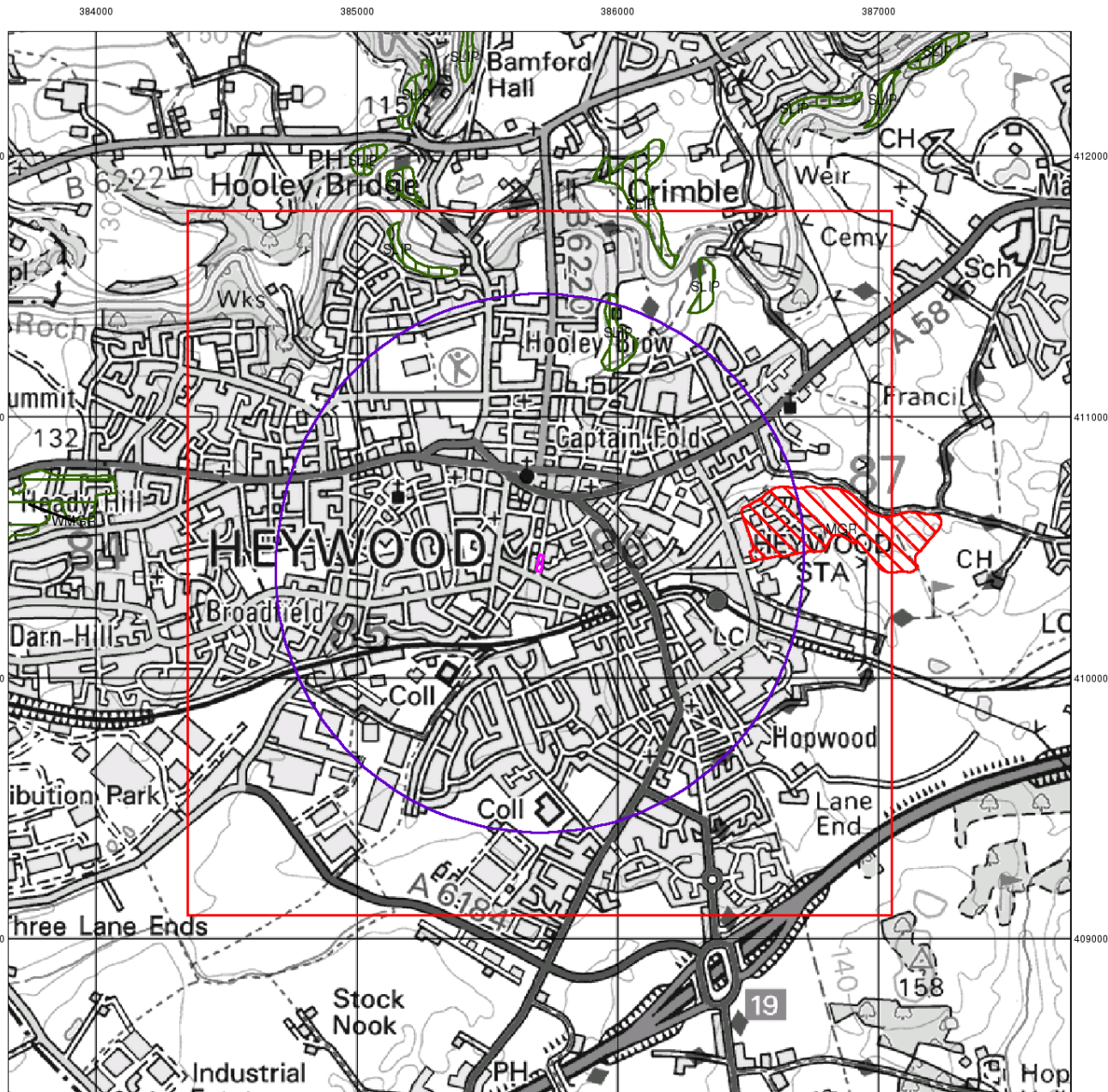
Order Number:	325164398_1_1
Customer Reference:	STV6299
National Grid Reference:	385700, 410440
Slice:	A
Site Area (Ha):	0.11
Search Buffer (m):	1000

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Artificial Ground and Landslip

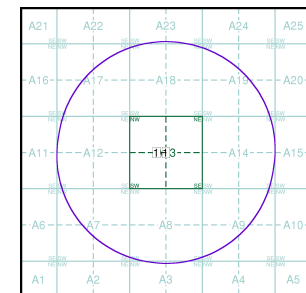
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 325164398_1_1
 Customer Reference: STV6299
 National Grid Reference: 385700, 410440
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details:

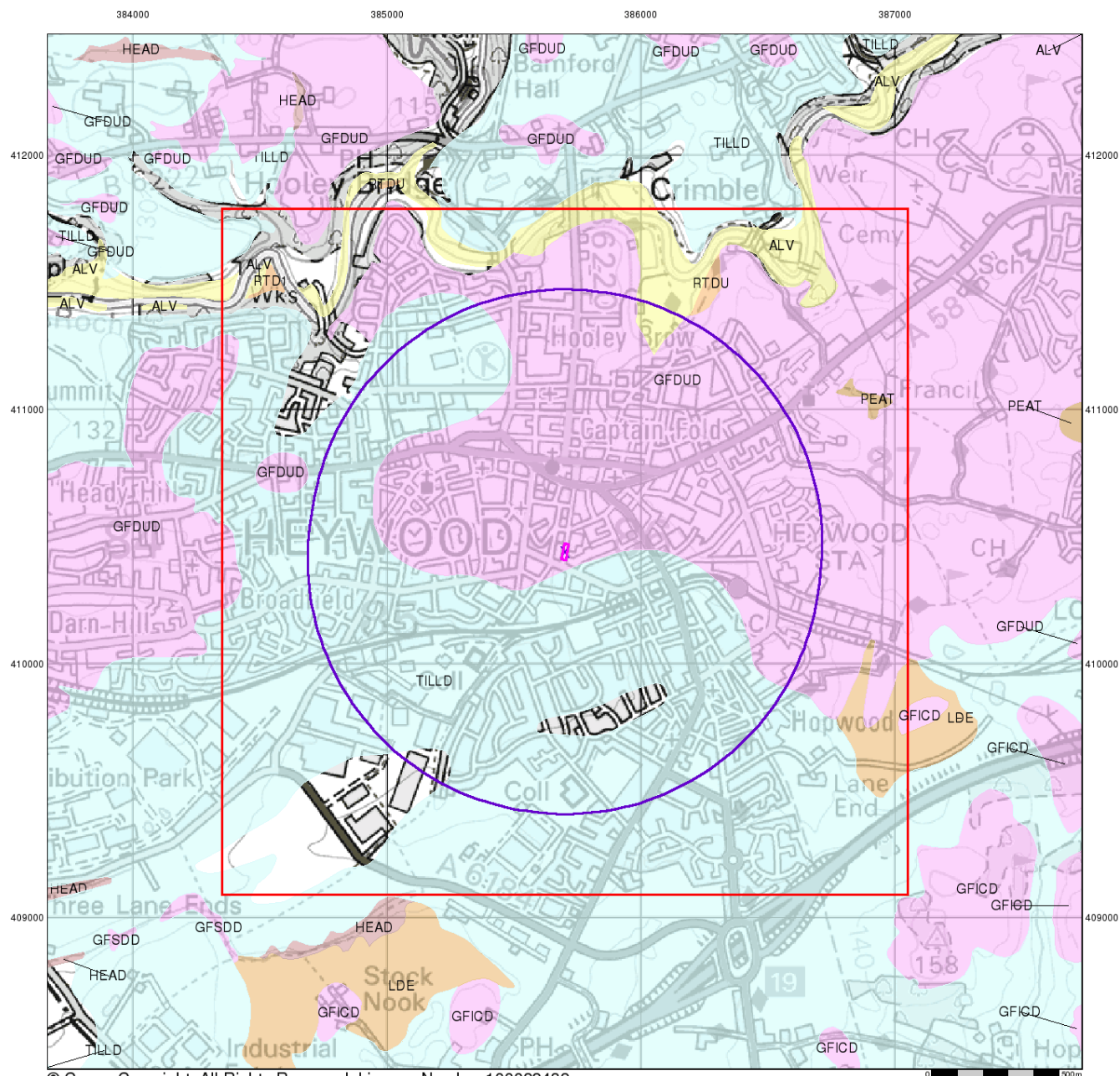
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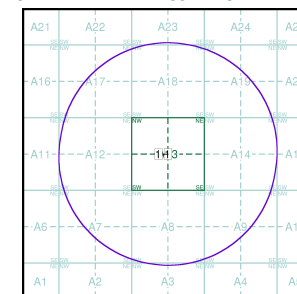
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

Order Number: 325164398_1_1
Customer Reference: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
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Site Details:

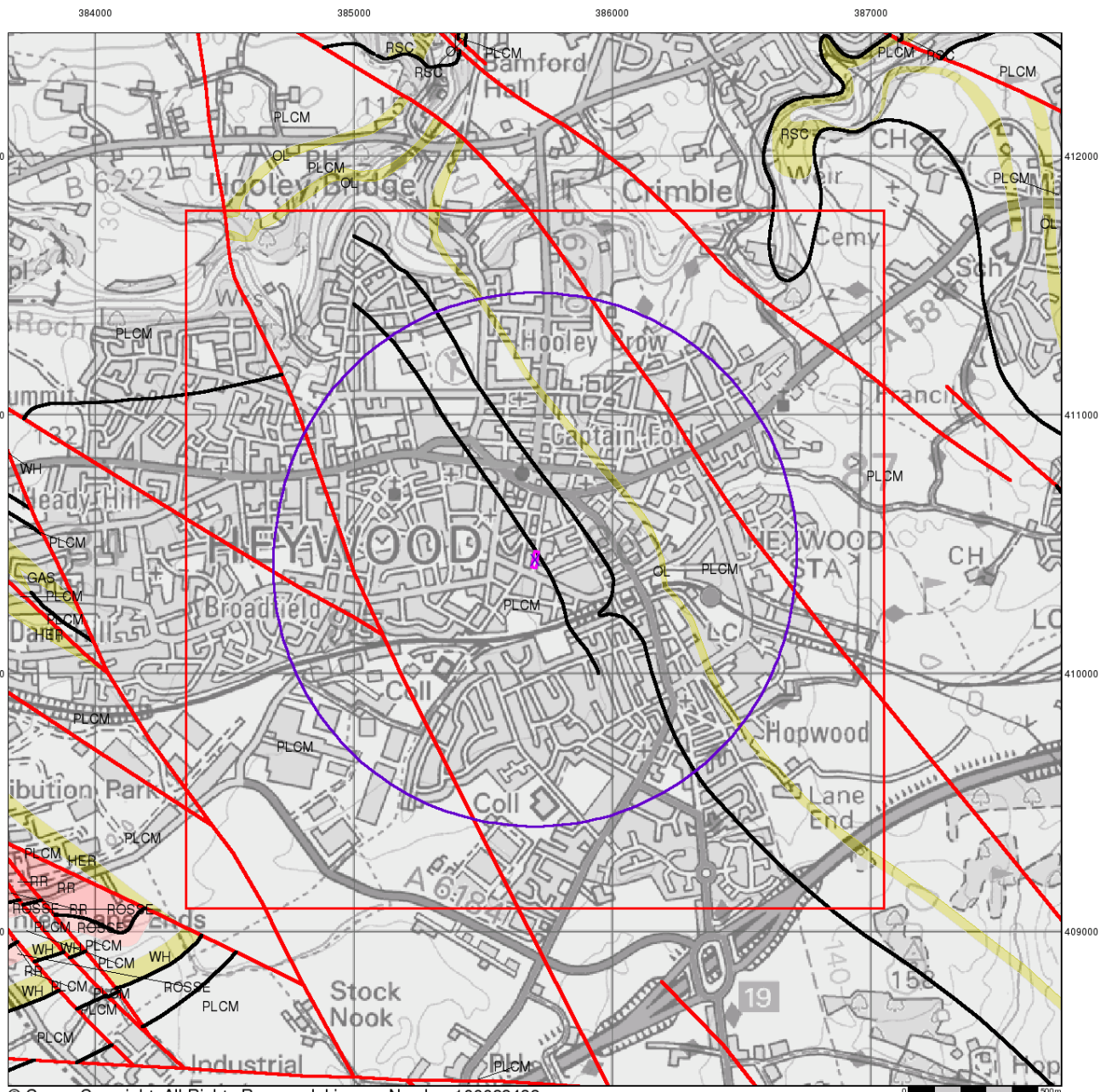
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Bedrock and Faults

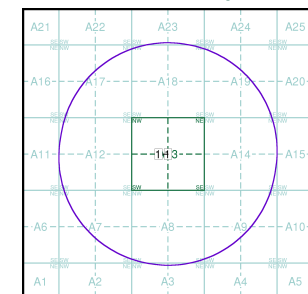
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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: 325164398_1_1
 Customer Reference: STV6299
 National Grid Reference: 385700, 410440
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details:

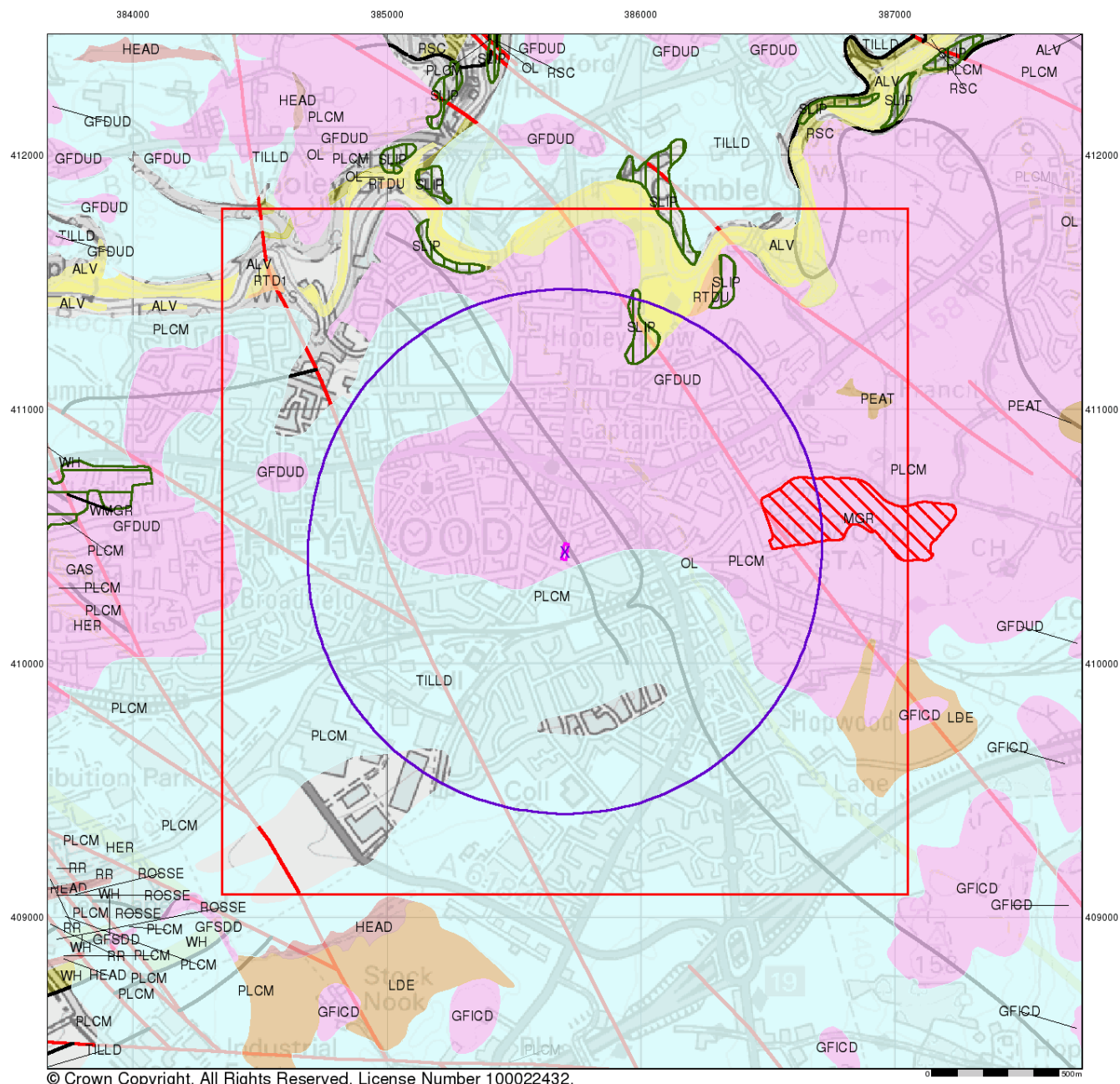
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Combined Surface Geology

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.

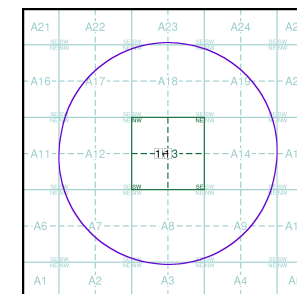
Additional Information

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: 325164398_1_1
Customer Reference: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details:

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS		Ch
	CH		F E Sta
	FB		Fn
	GP		MP
	MS		Pol Sta
	PO		PC
	PH		SB
	Spr		TCB
	TCP		W

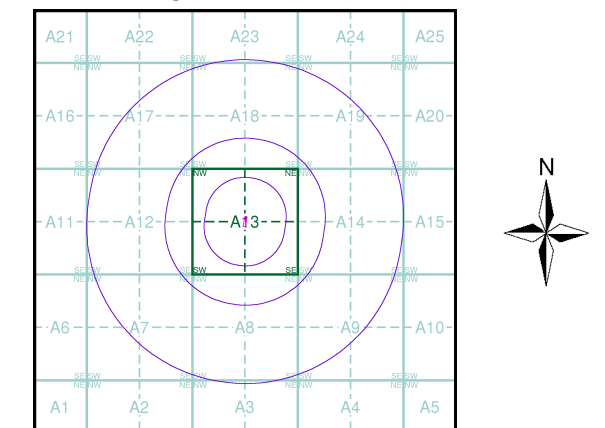
1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1910 - 1911	5
Lancashire And Furness	1:10,560	1931 - 1932	6
Lancashire And Furness	1:10,560	1938 - 1939	7
Ordnance Survey Plan	1:10,000	1955 - 1956	8
Ordnance Survey Plan	1:10,000	1965 - 1968	9
Ordnance Survey Plan	1:10,000	1974 - 1977	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1983 - 1988	12
Ordnance Survey Plan	1:10,000	1993	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2023	16

Historical Map - Slice A



Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Hornby Street, Heywood

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

SD81_Manchester

No.	Description
116	Mill (Steel)

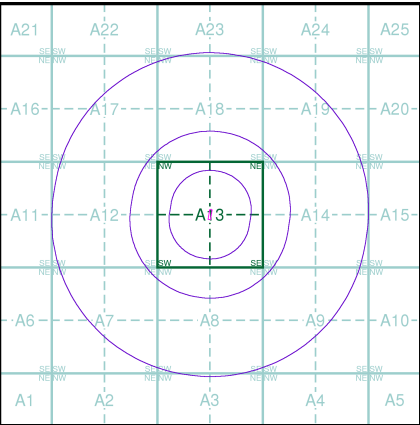
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1910 - 1911	5
Lancashire And Furness	1:10,560	1931 - 1932	6
Lancashire And Furness	1:10,560	1938 - 1939	7
Ordnance Survey Plan	1:10,000	1955 - 1956	8
Ordnance Survey Plan	1:10,000	1965 - 1968	9
Ordnance Survey Plan	1:10,000	1974 - 1977	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1983 - 1988	12
Ordnance Survey Plan	1:10,000	1993	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2023	16

Russian Map - Slice A



Order Details

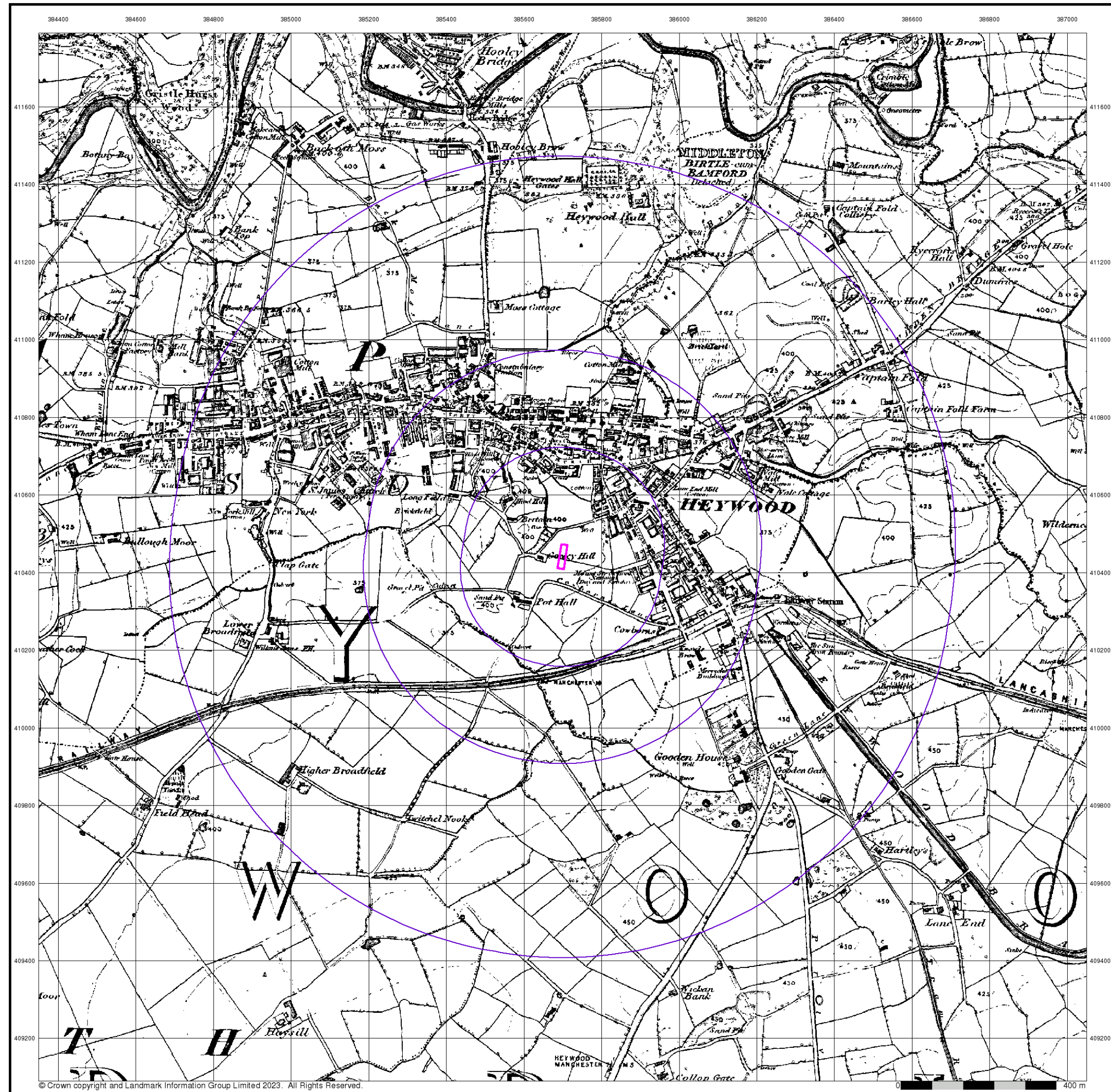
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Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

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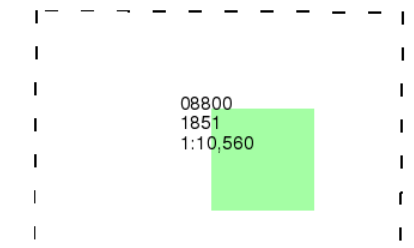
Lancashire And Furness

Published 1851

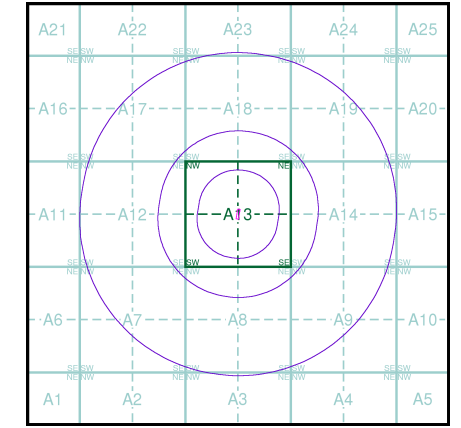
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

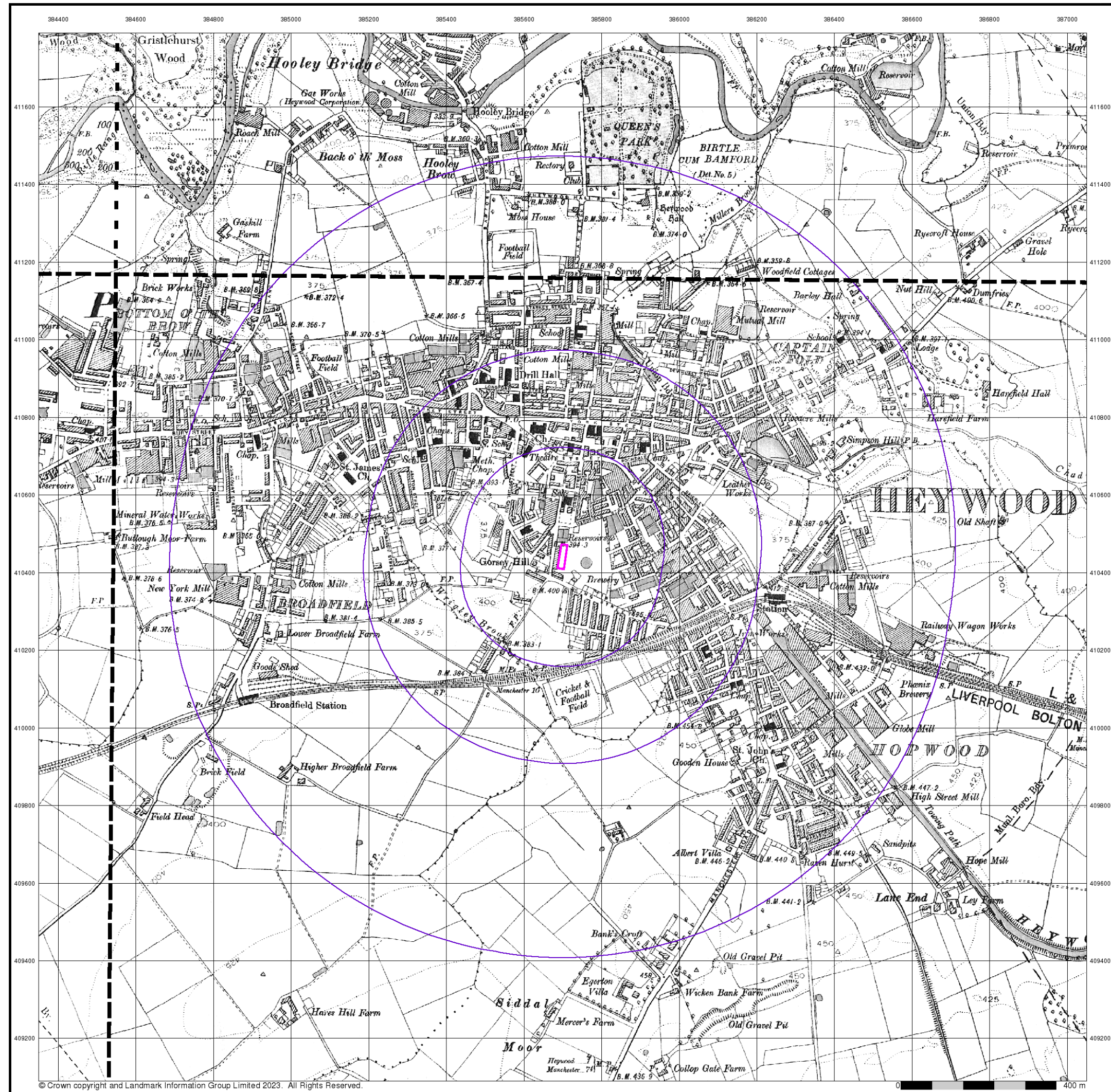
Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

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Lancashire And Furness

Published 1894

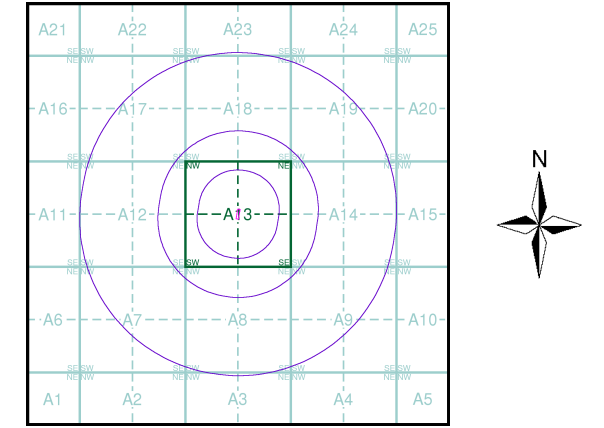
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088NW 1894 1:10,560	088NE 1894 1:10,560
088SW 1894 1:10,560	088SE 1894 1:10,560

Historical Map - Slice A

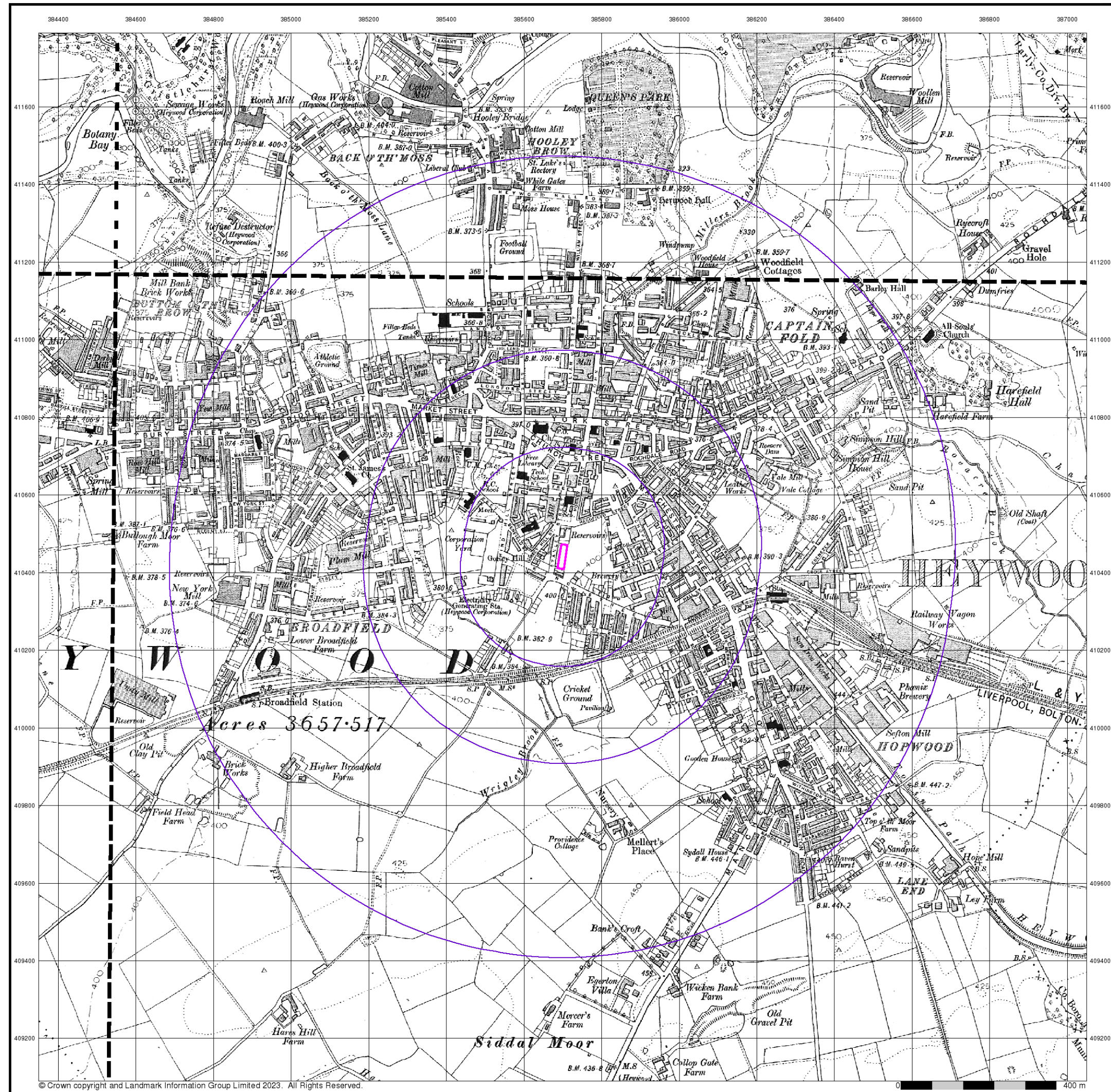


Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

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Lancashire And Furness

Published 1910 - 1911

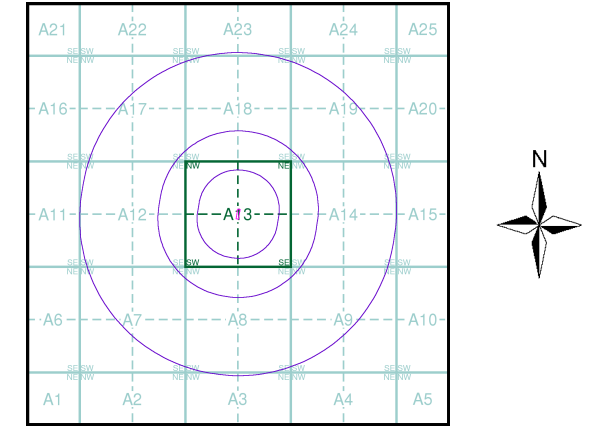
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

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

Historical Map - Slice A

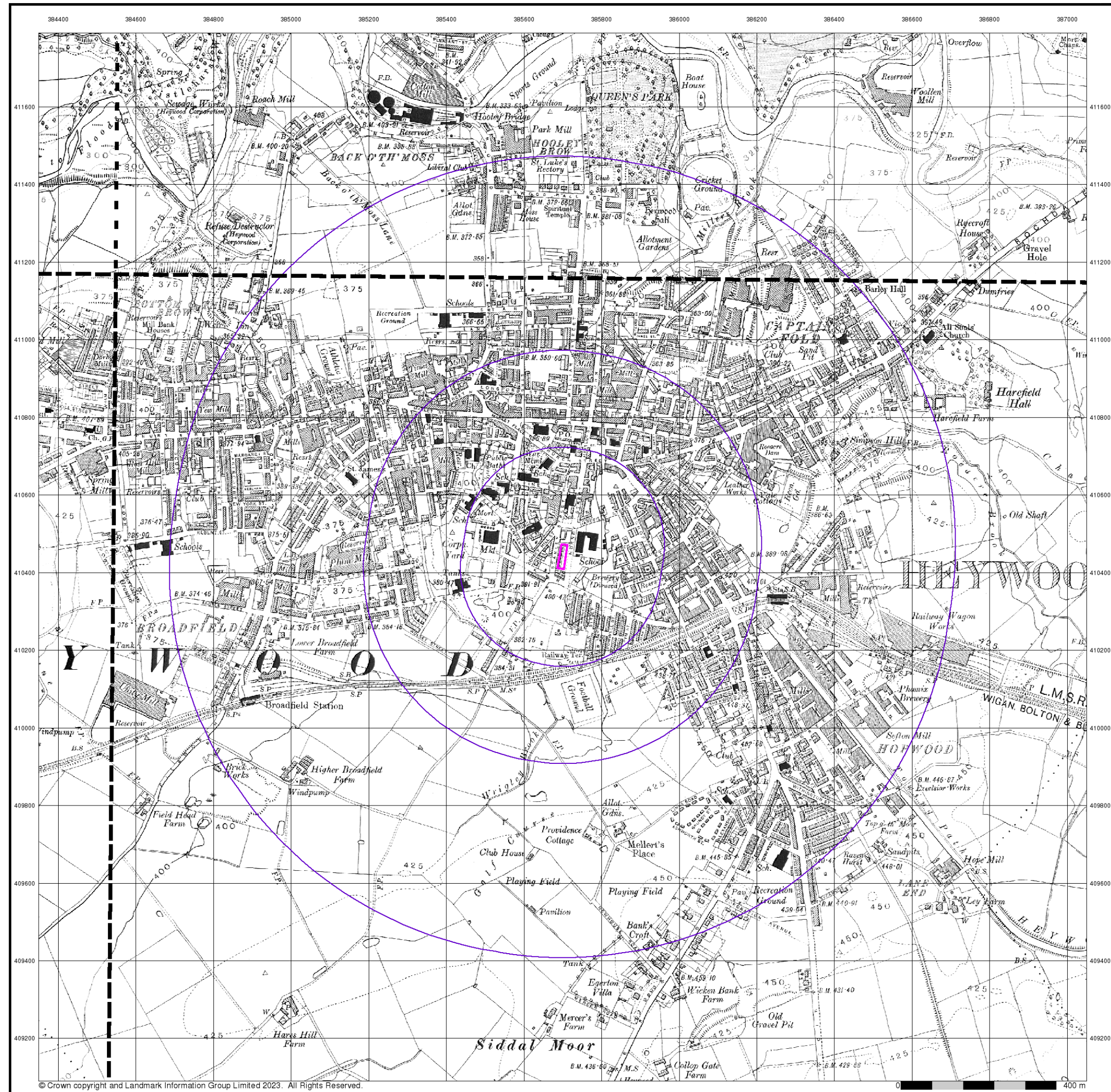


Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

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Lancashire And Furness

Published 1931 - 1932

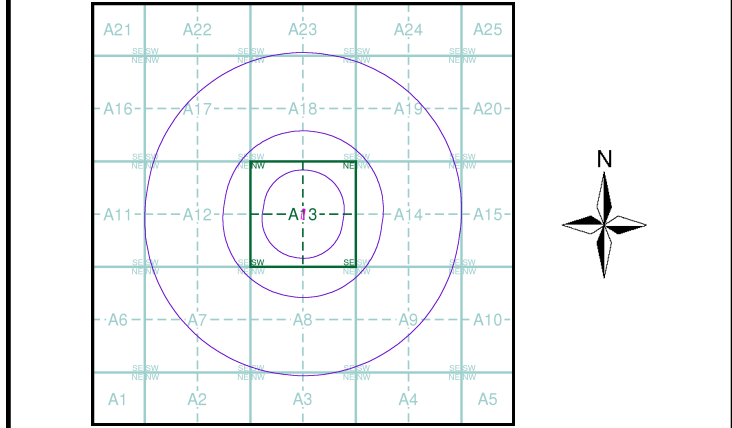
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

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

Historical Map - Slice A

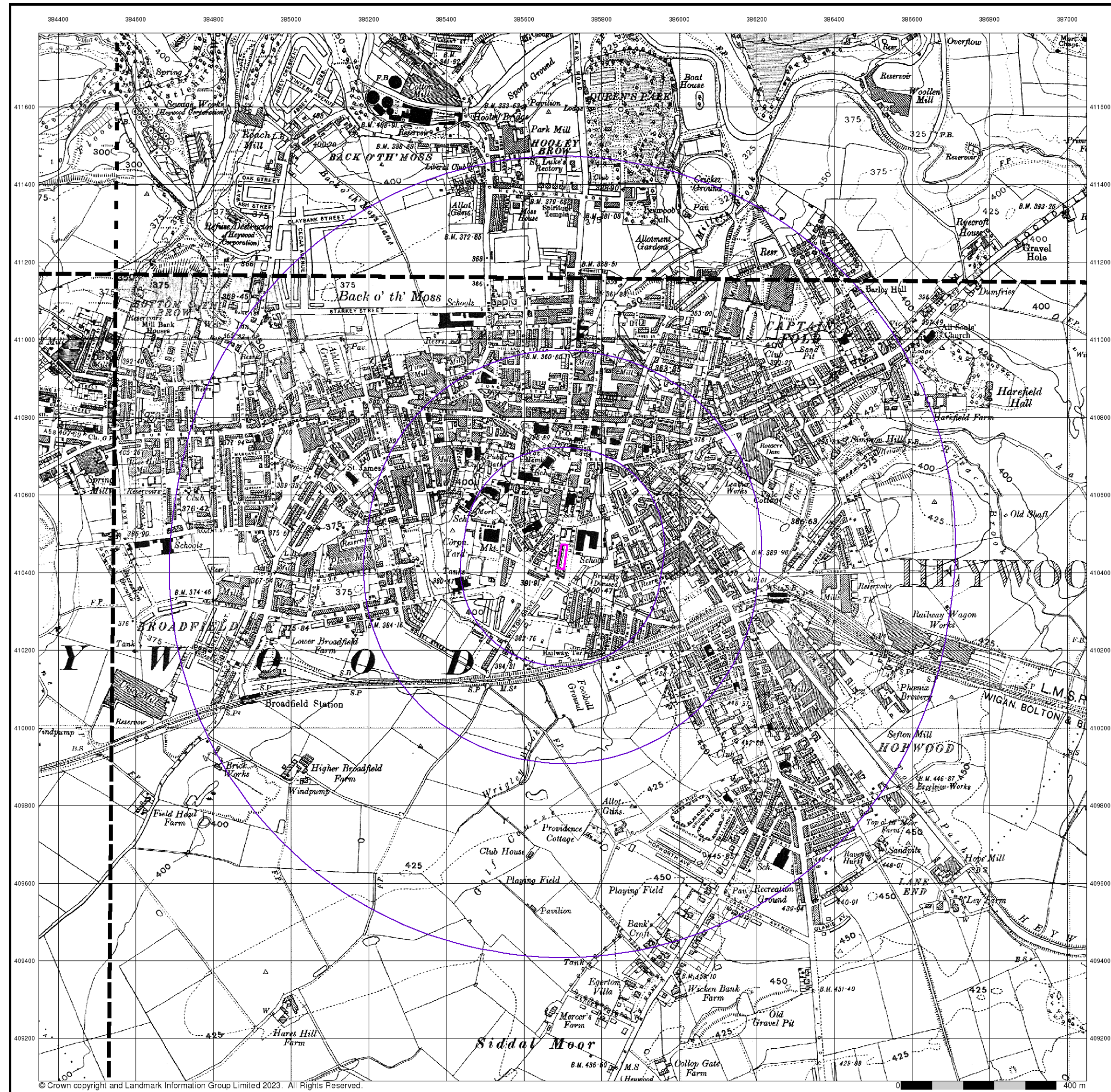


Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

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Lancashire And Furness

Published 1938 - 1939

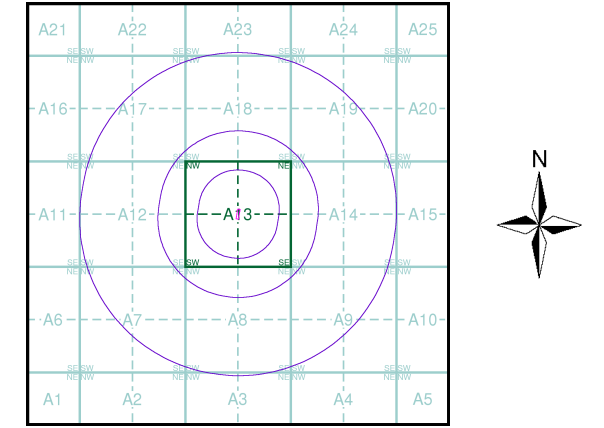
Source map scale - 1:10,560

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)

088NW 1939 1:10,560	088NE 1938 1:10,560
088SW 1938 1:10,560	088SE 1938 1:10,560

Historical Map - Slice A



Order Details

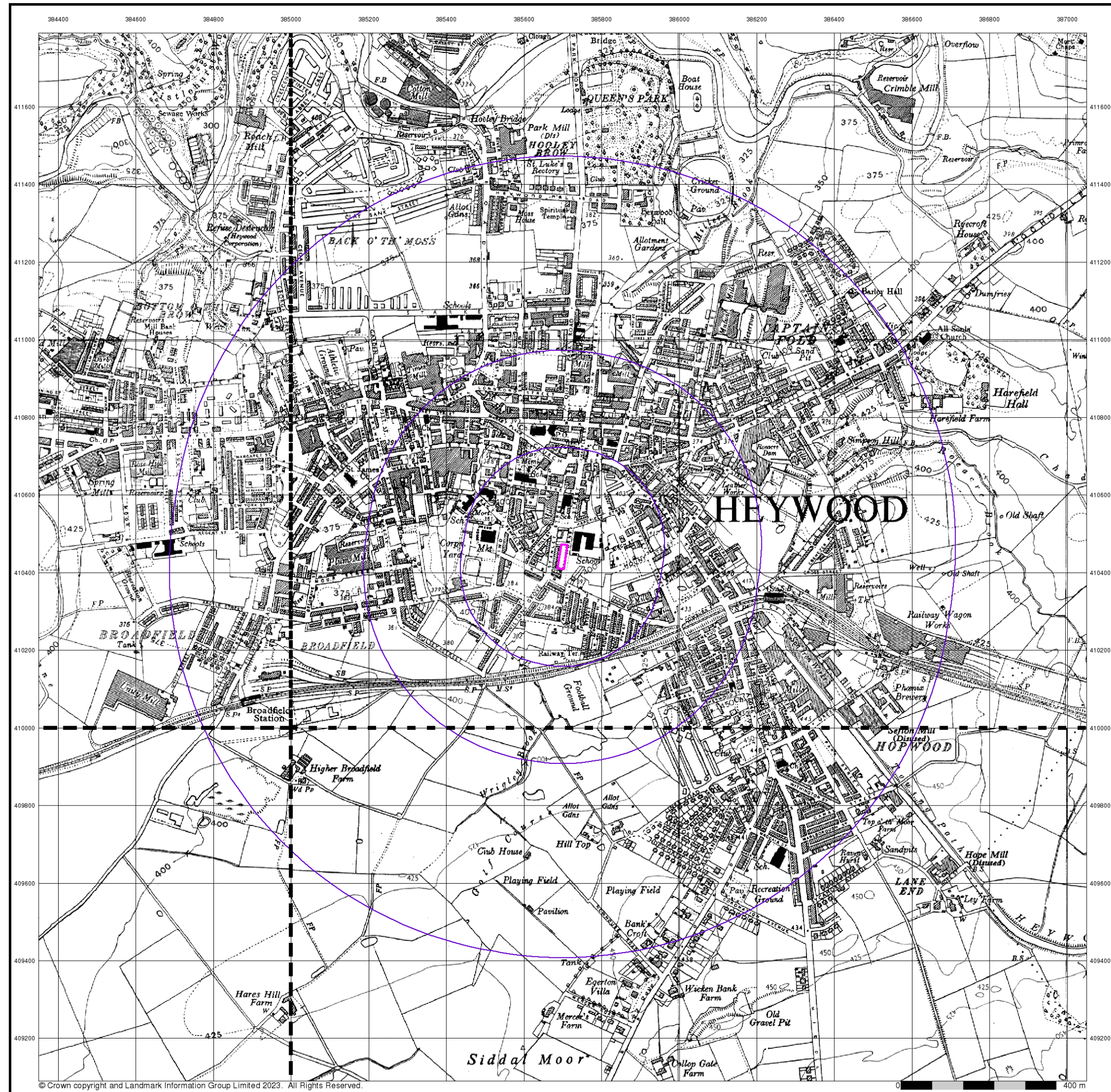
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Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

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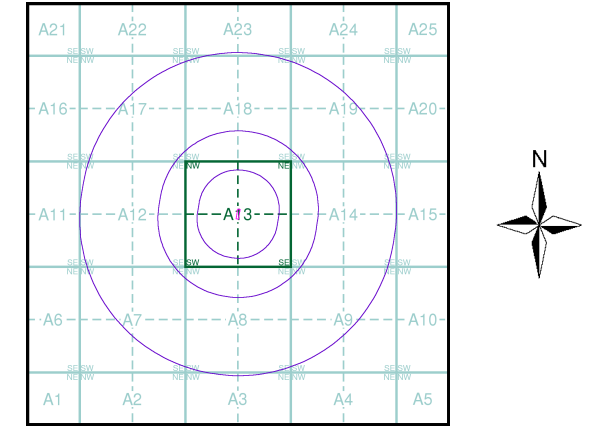
Ordnance Survey Plan
Published 1955 - 1956
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

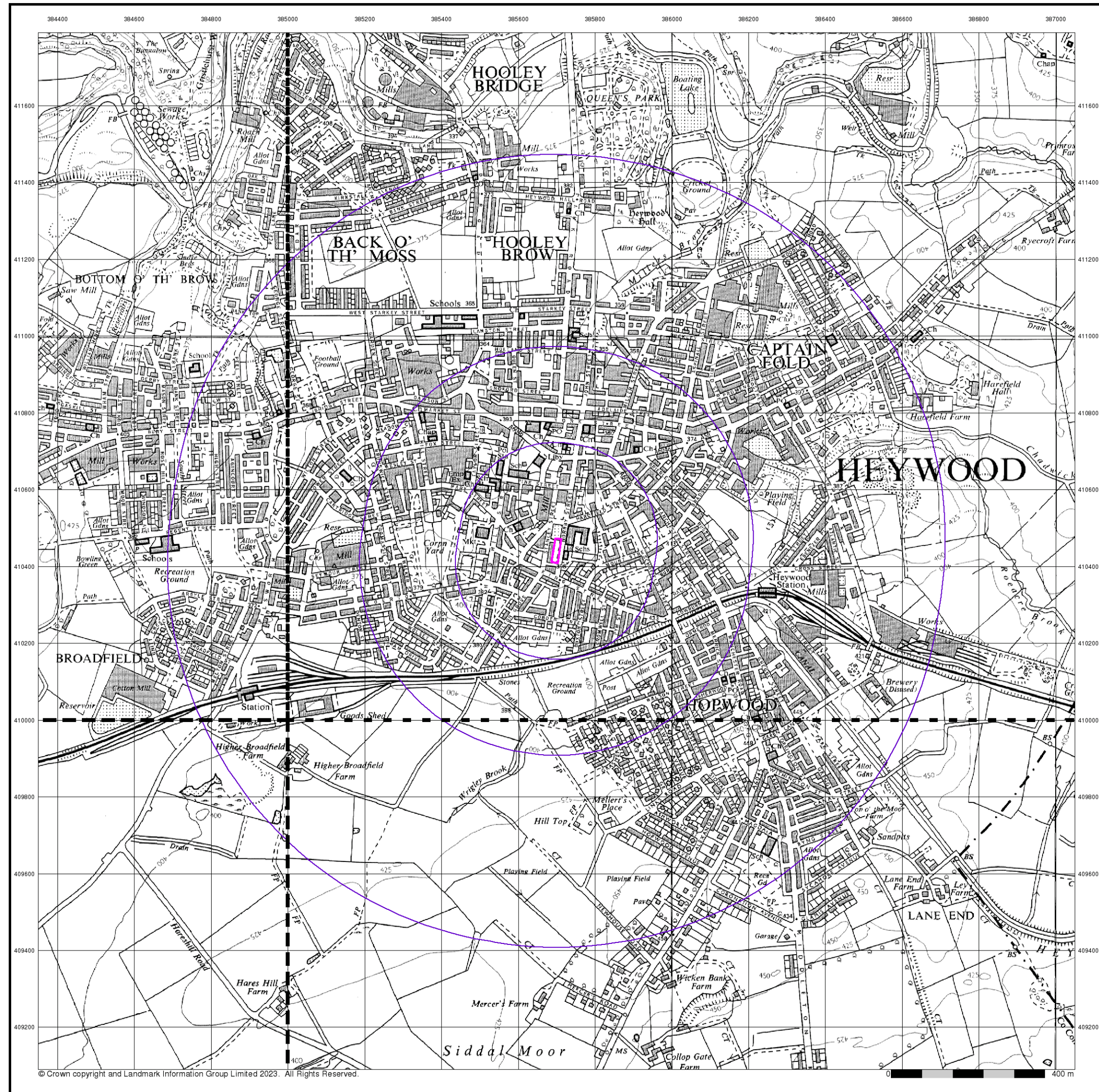
SD81SW	SD81SE
1956	1956
1:10,560	1:10,560
SD80NW	SD80NE
1955	1956
1:10,560	1:10,560

Historical Map - Slice A



Order Details
Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1965 - 1968

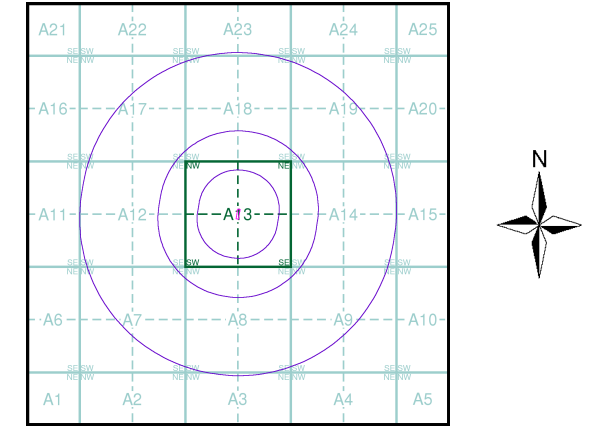
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SW	SD81SE
1967	1968
1:10,560	1:10,560
SD80NW	SD80NE
1965	1965
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

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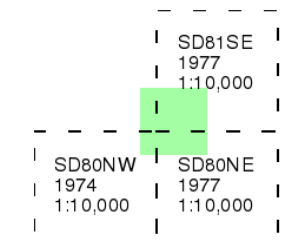
Ordnance Survey Plan

Published 1974 - 1977

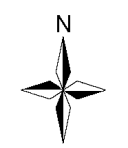
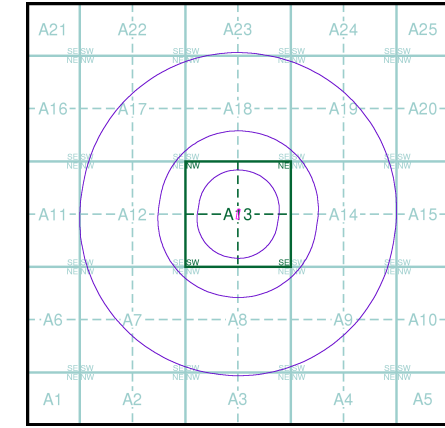
Source map scale - 1:10,000

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: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

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Manchester

Published 1975

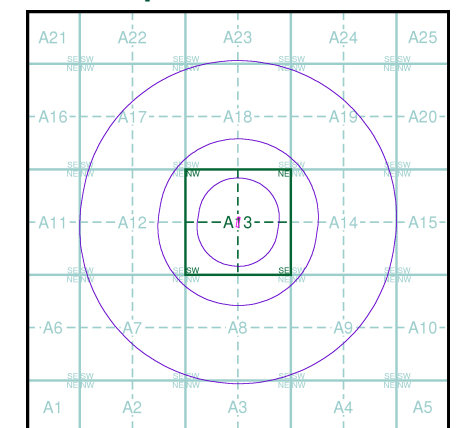
Source map scale - 1:25,000

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

Map Name(s) and Date(s)

SD81	1975	1:25,000
SD80	1975	1:25,000

Russian Map - Slice A



Order Details

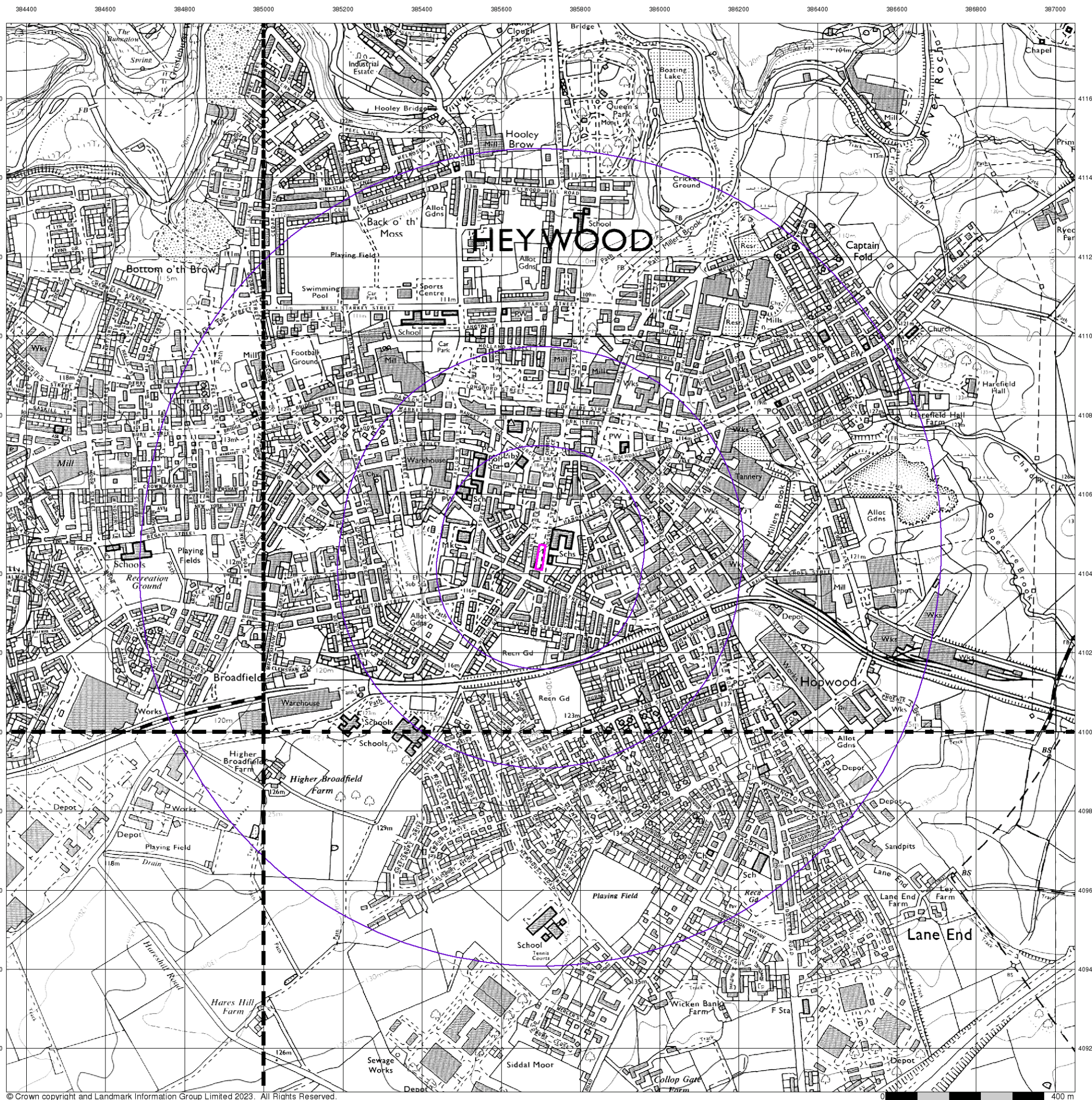
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Customer Ref:	STV6299
National Grid Reference:	385700, 410440
Slice:	A
Site Area (Ha):	0.11
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1983 - 1988

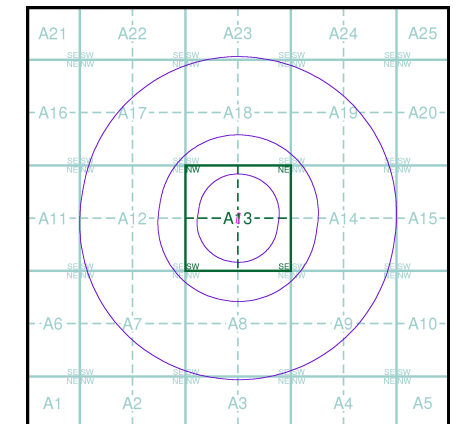
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SW	SD81SE
1984	1988
1:10,000	1:10,000
SD80NW	SD80NE
1983	1984
1:10,000	1:10,000

Historical Map - Slice A



Order Details

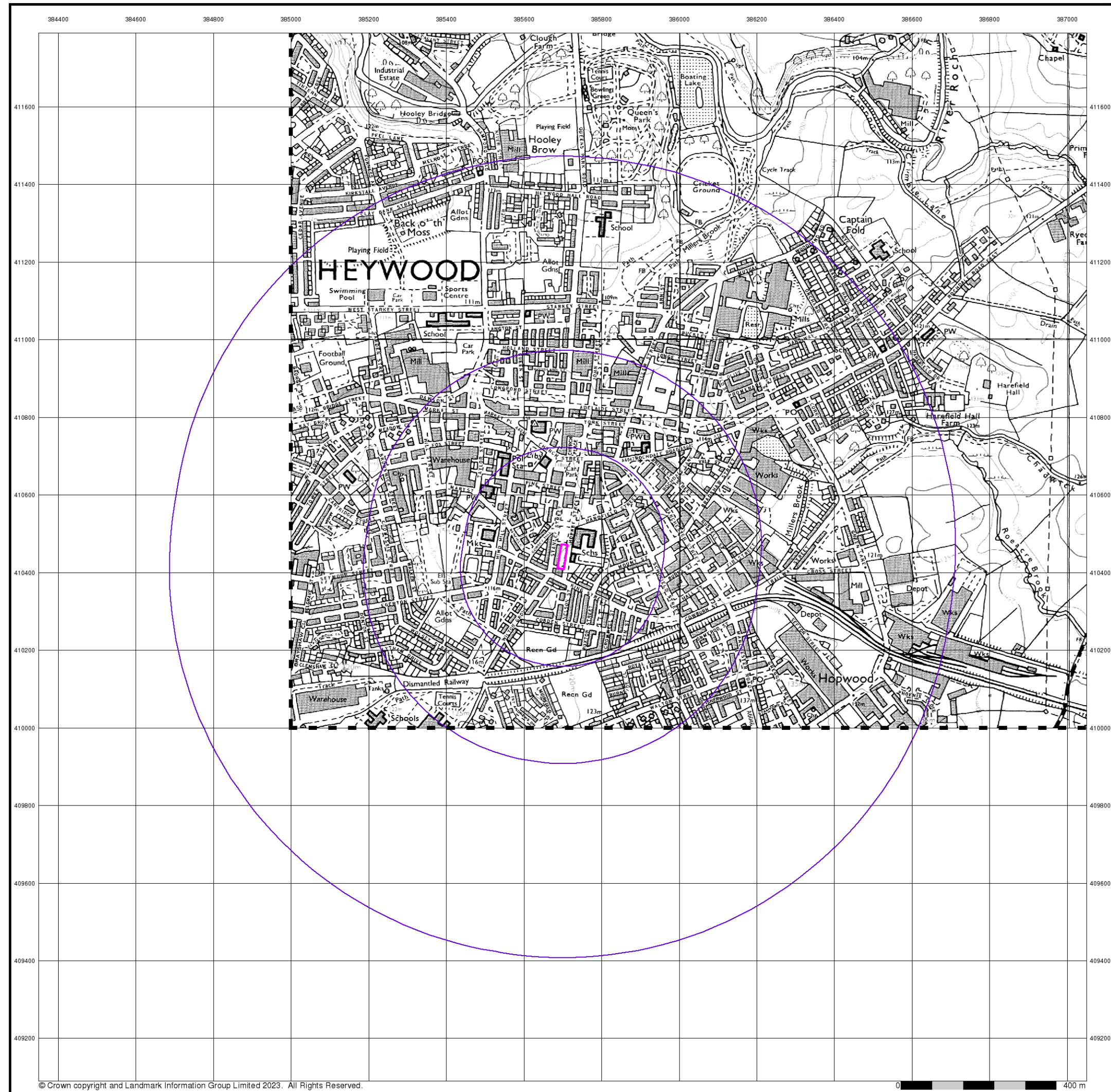
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Customer Ref: STV6299
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Slice: A
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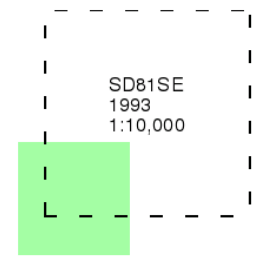
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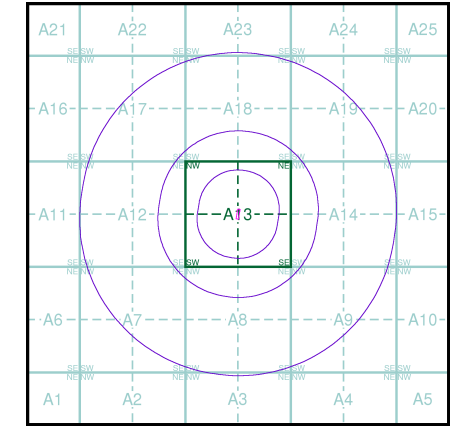
Ordnance Survey Plan
Published 1993
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

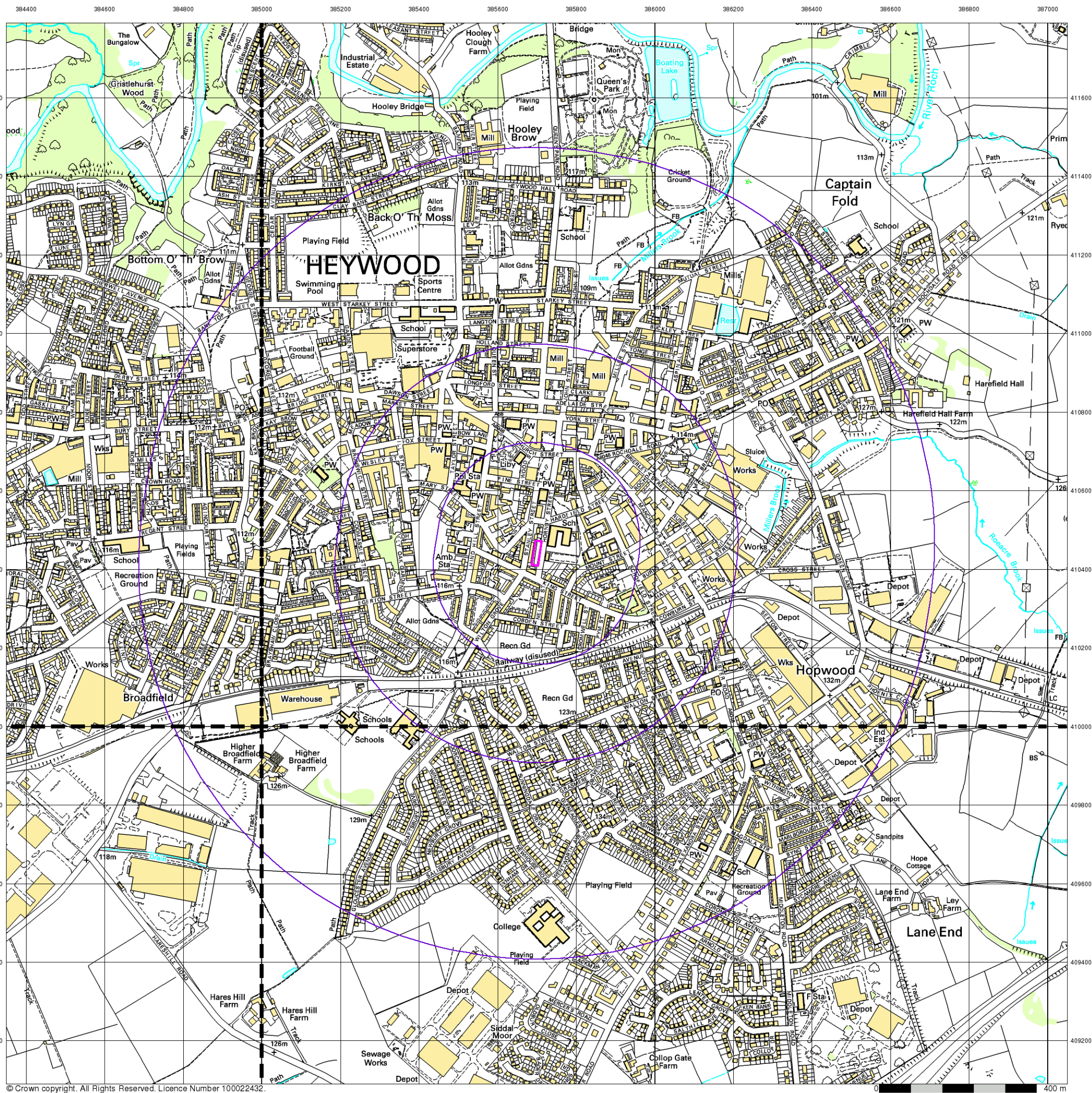


Historical Map - Slice A



Order Details
Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

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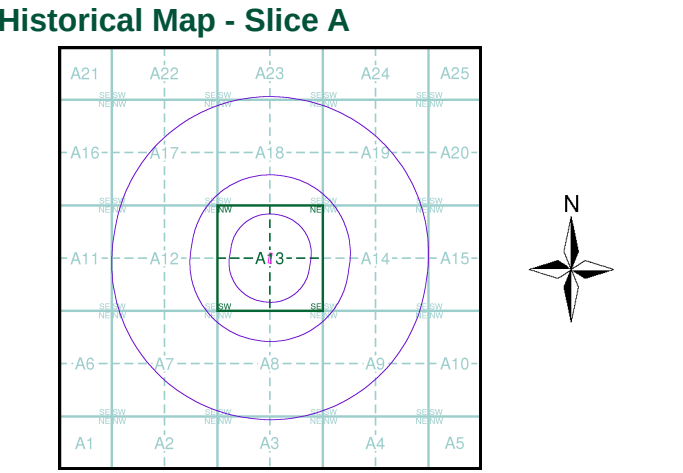
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10k Raster Mapping
Published 1999
Source map scale - 1:10,000

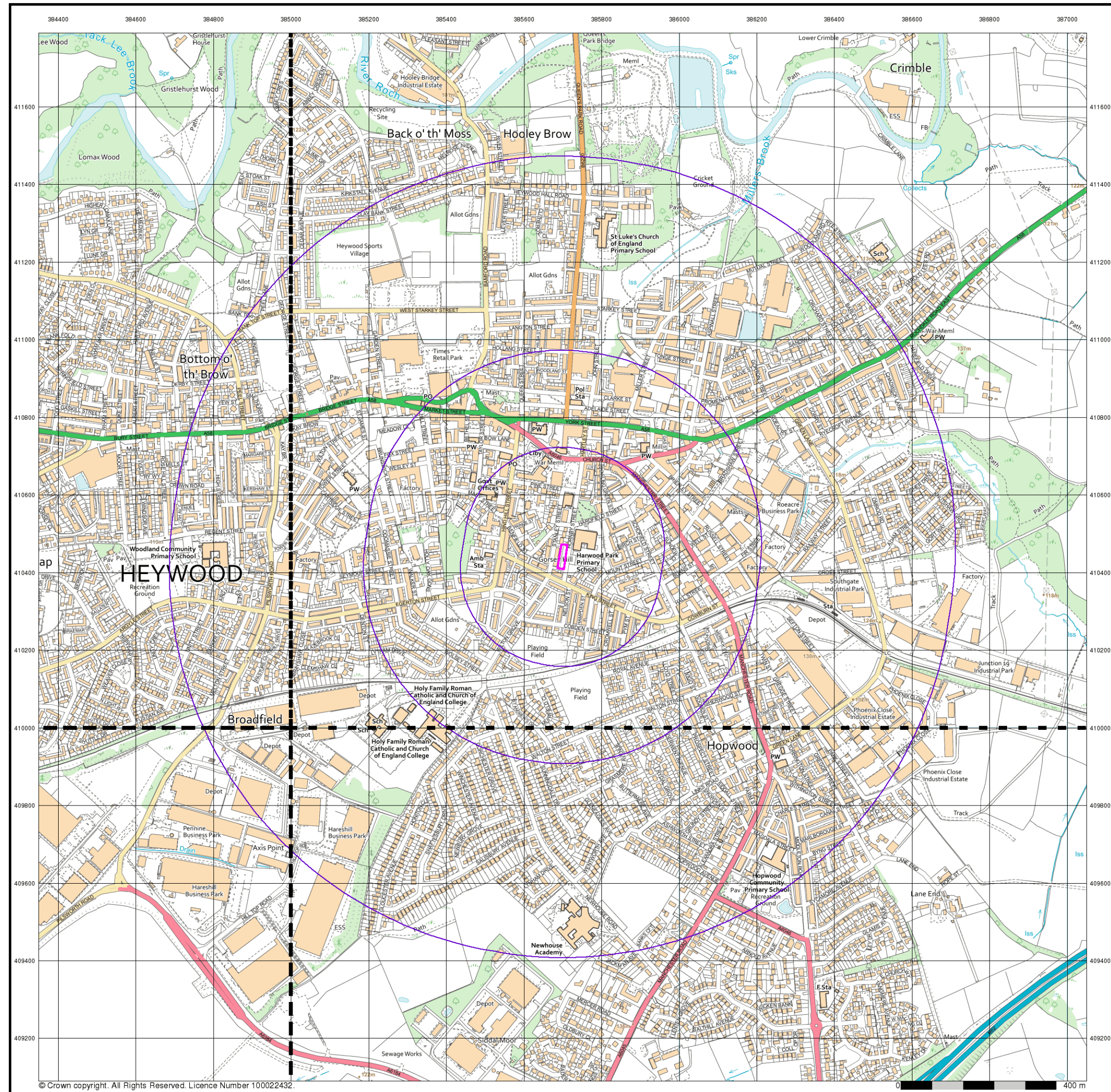
The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks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

Map Name(s) and Date(s)			
SD81SW	SD81SE	1	
1999	1999		
1:10,000	1:10,000		
SD80NW	SD80NE		
1999	1999		
1:10,000	1:10,000		



Order Details
Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details
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VectorMap Local

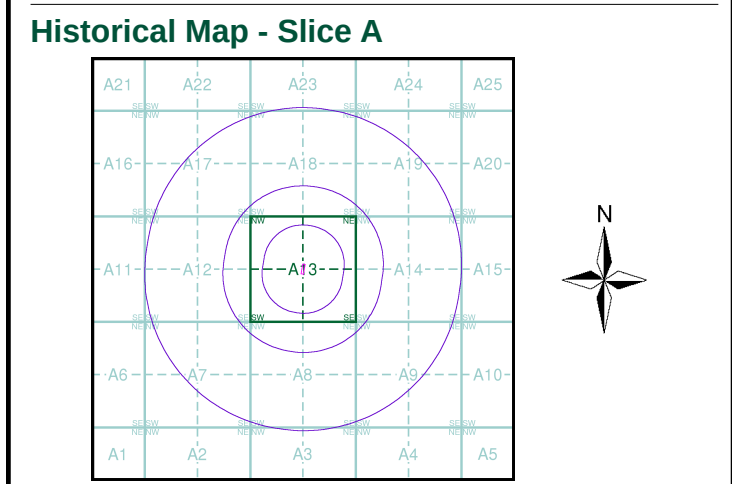
Published 2023

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SW	SD81SE
2023	2023
Variable	Variable
SD80NW	SD80NE
2023	2023
Variable	Variable



Order Details

Order Number: 325164398_1_1

Customer Ref: STV6299

National Grid Reference: 385700, 410440

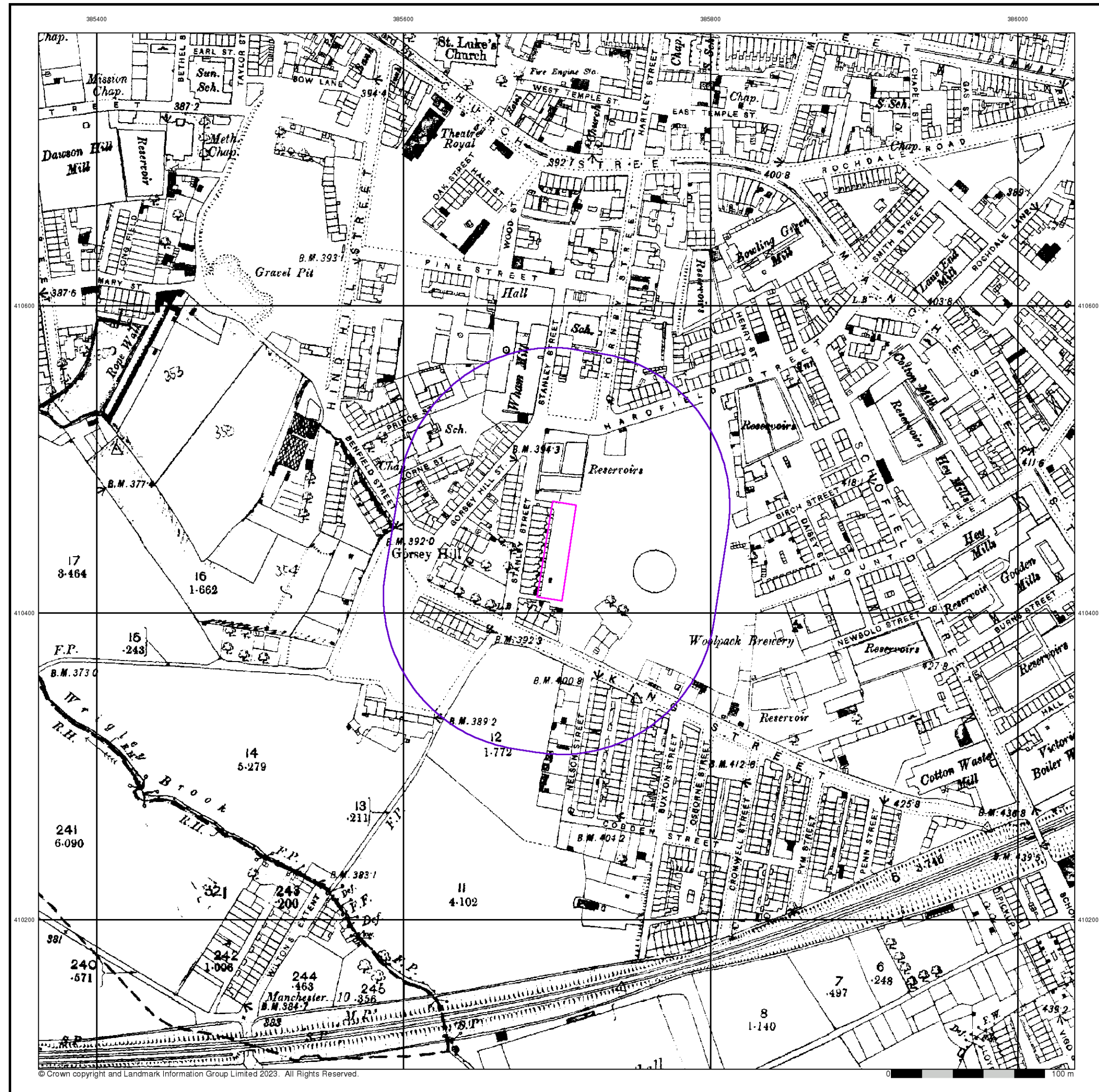
Slice: A

Site Area (Ha): 0.11

Search Buffer (m): 1000

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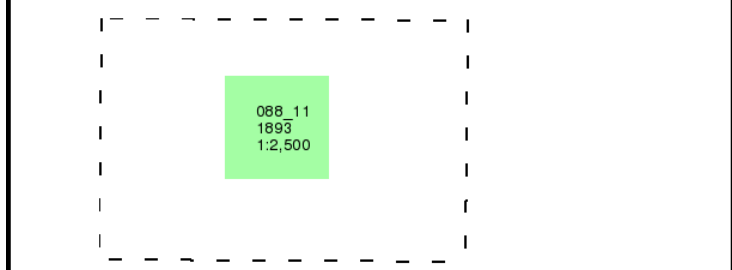
Lancashire And Furness

Published 1893

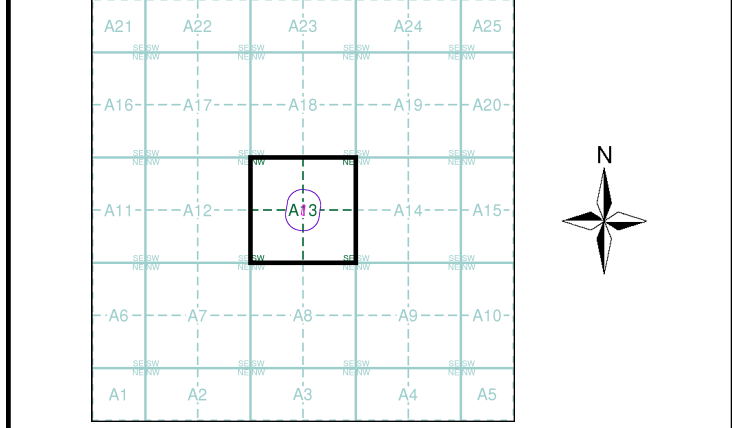
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

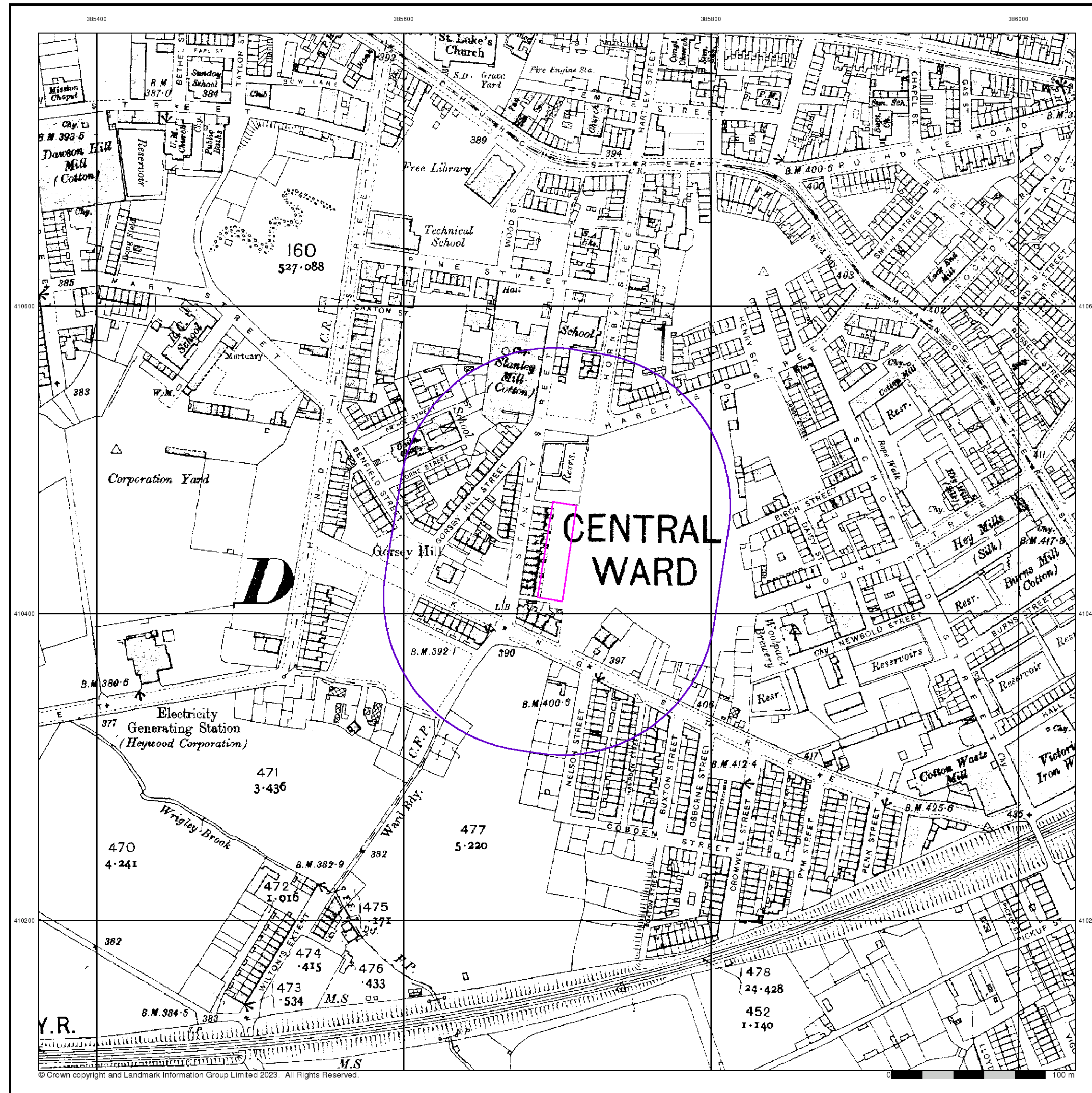


Historical Map - Segment A13



Order Details	
Order Number:	325164398_1_1
Customer Ref:	STV6299
National Grid Reference:	385700, 410440
Slice:	A
Site Area (Ha):	0.11
Search Buffer (m):	100

Site Details
Hornby Street, Heywood



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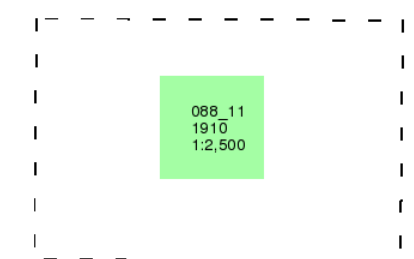
Lancashire And Furness

Published 1910

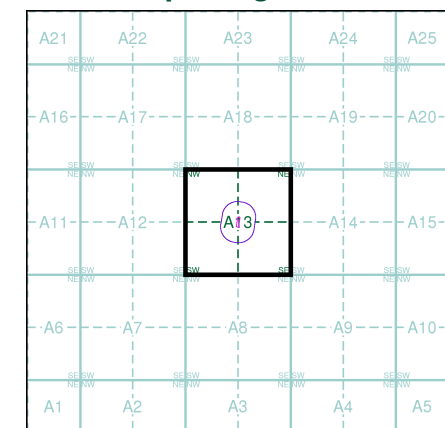
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

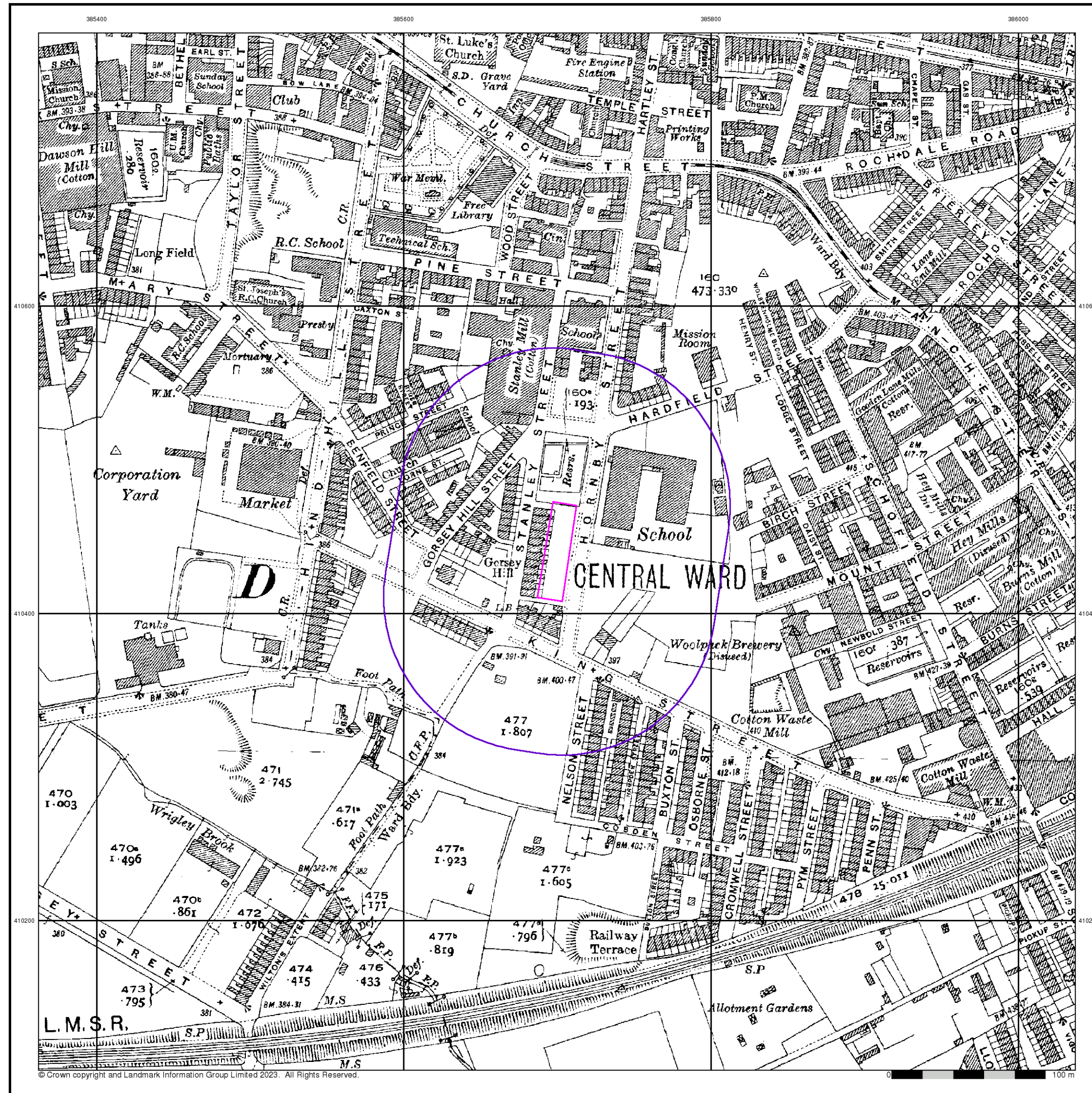
Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 100

Site Details

Hornby Street, Heywood

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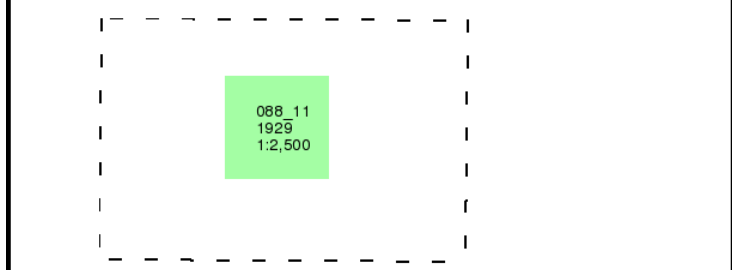
Lancashire And Furness

Published 1929

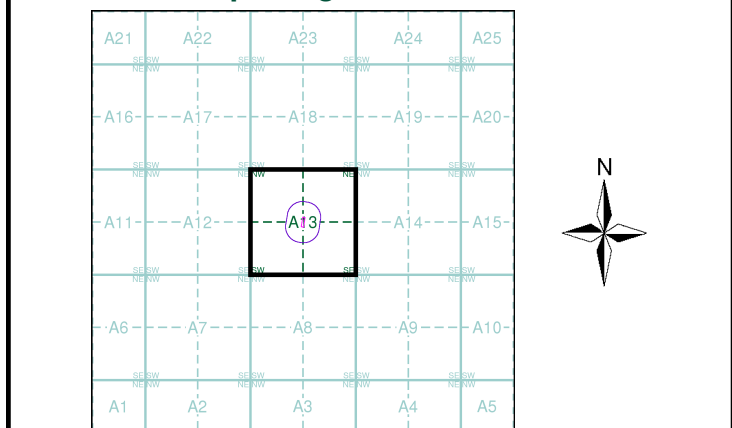
Source map scale - 1:2,500

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



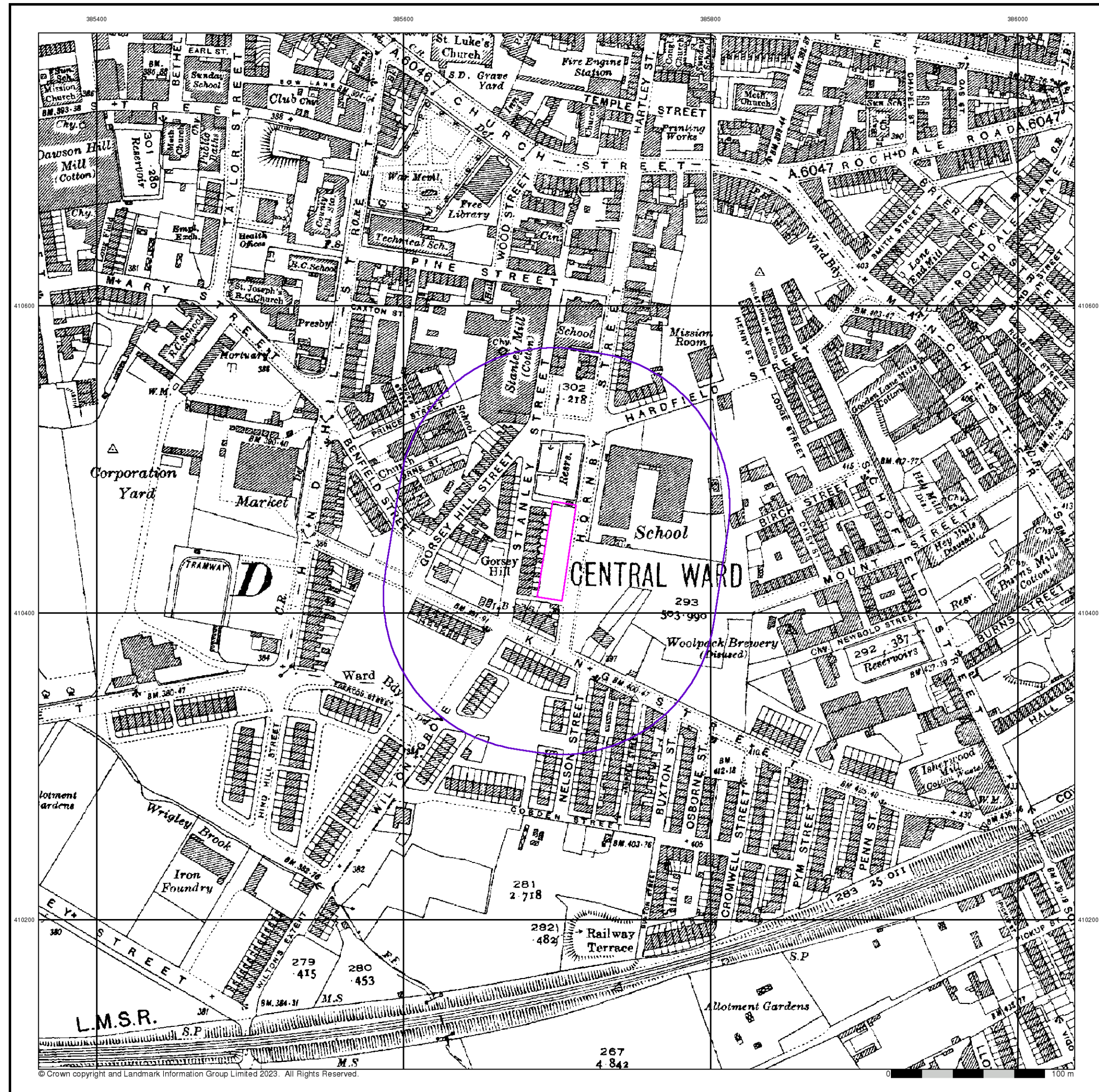
Order Details	
Order Number:	325164398_1_1
Customer Ref:	STV6299
National Grid Reference:	385700, 410440
Slice:	A
Site Area (Ha):	0.11
Search Buffer (m):	100

Site Details
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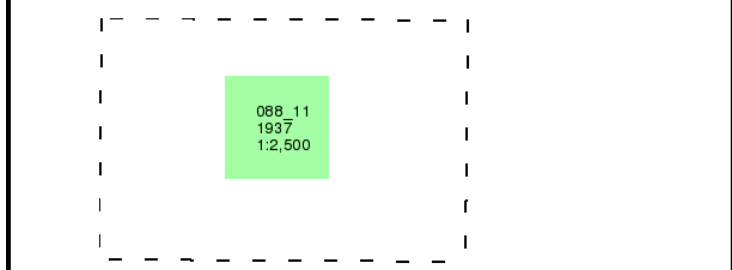
Lancashire And Furness

Published 1937

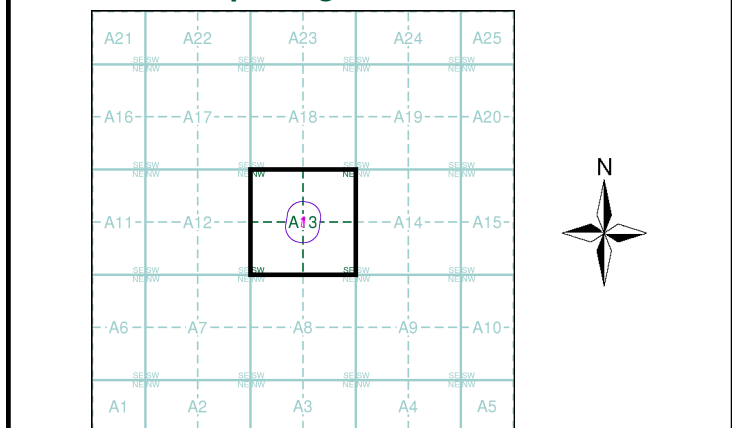
Source map scale - 1:2,500

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)

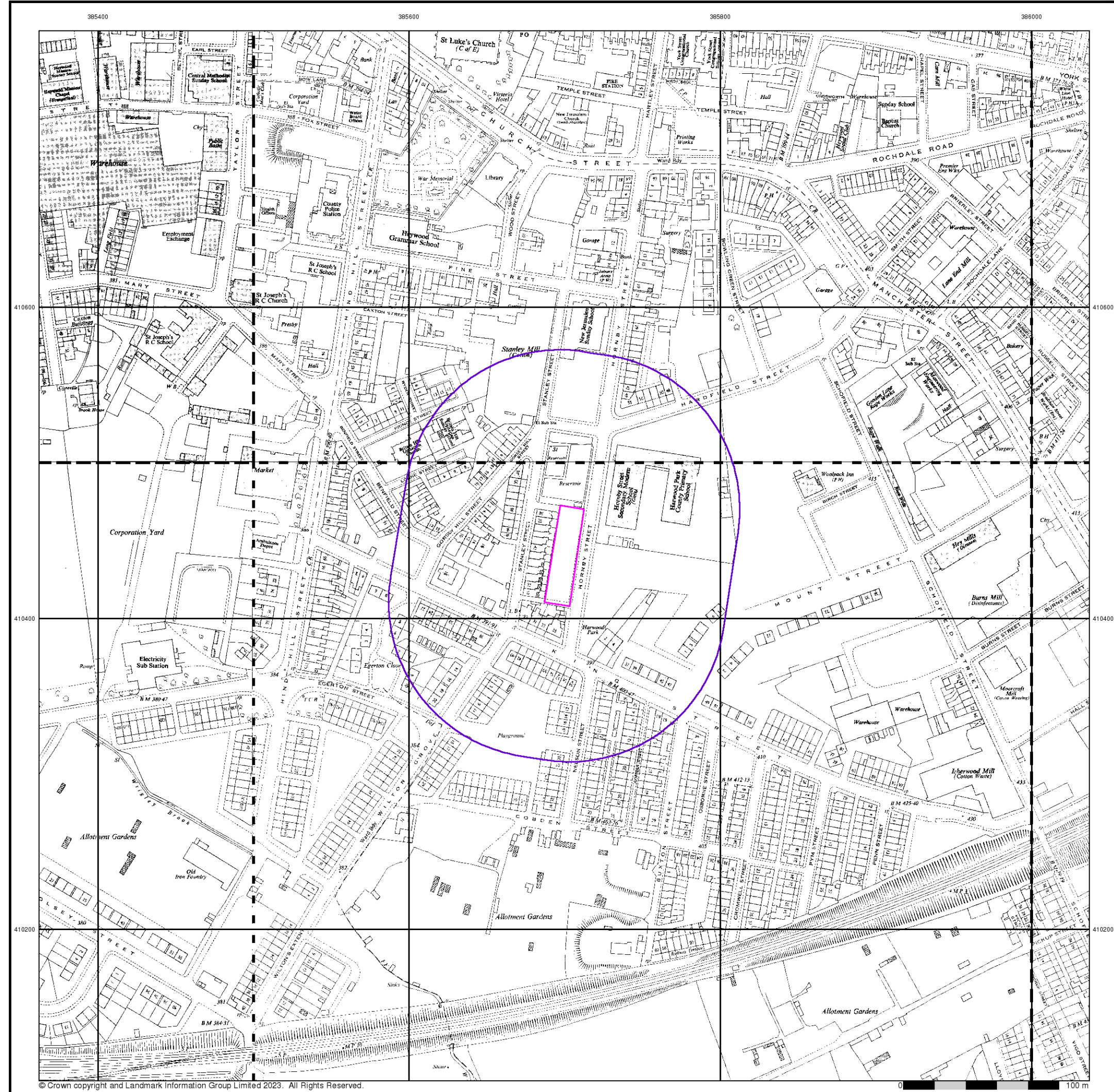


Historical Map - Segment A13



Order Details	
Order Number:	325164398_1_1
Customer Ref:	STV6299
National Grid Reference:	385700, 410440
Slice:	A
Site Area (Ha):	0.11
Search Buffer (m):	100

Site Details
Hornby Street, Heywood

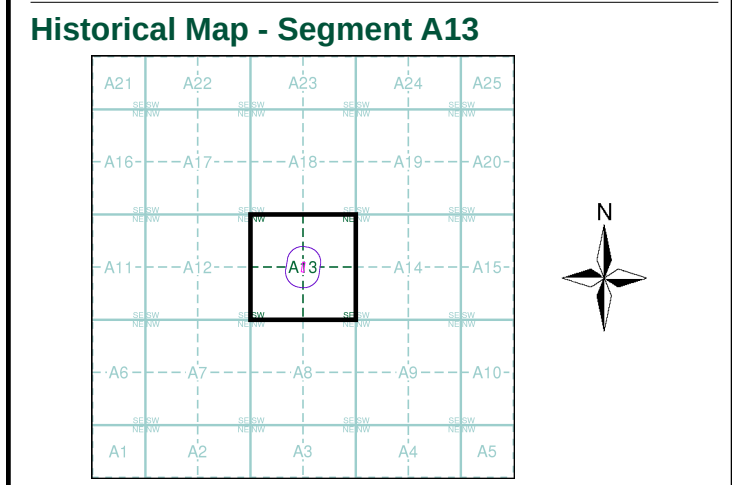


Ordnance Survey Plan
Published 1956 - 1957
Source map scale - 1:1,250

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

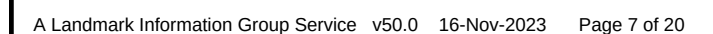
Map Name(s) and Date(s)

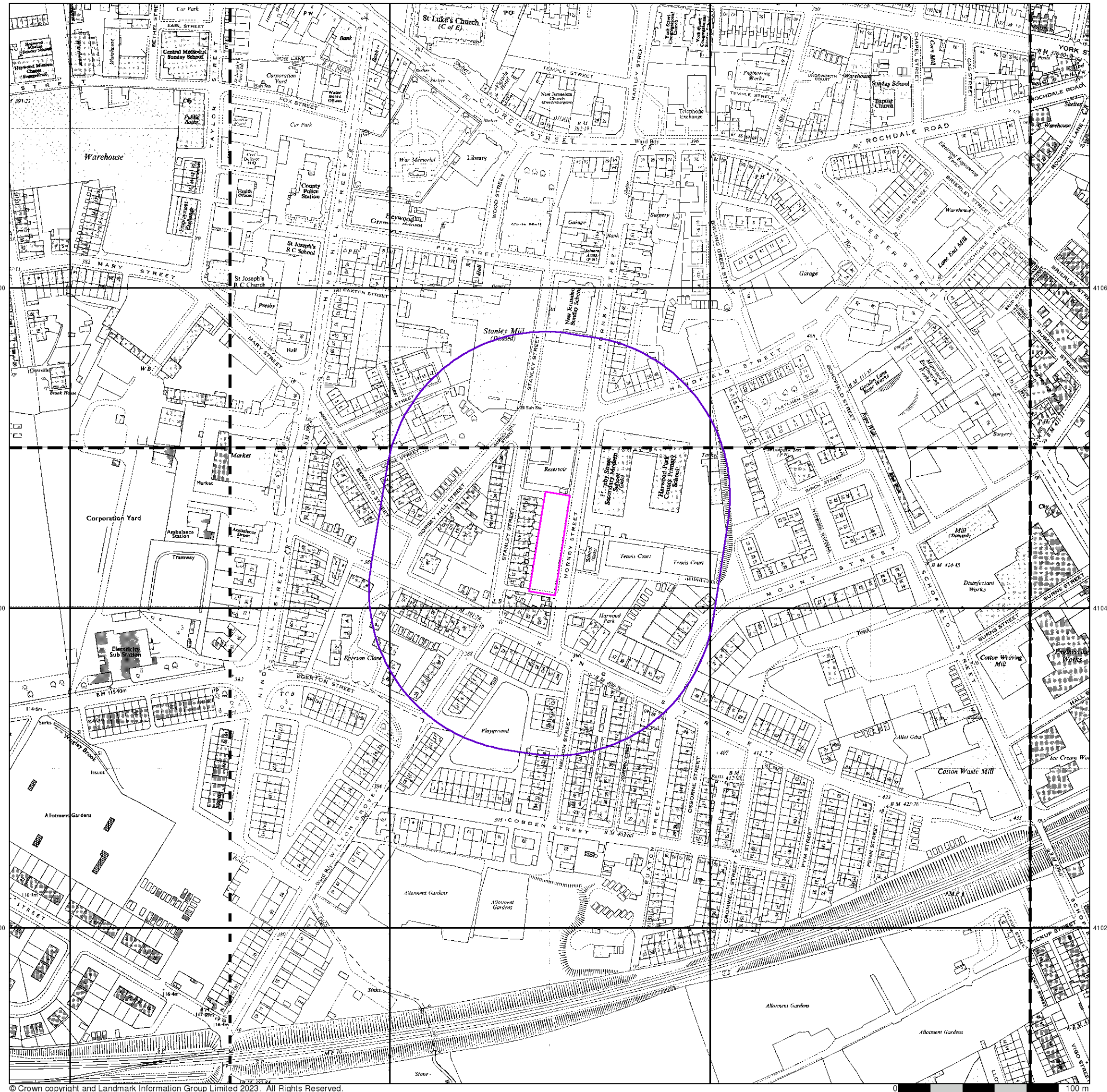
SD8510NW 1956 1:1,250	SD8510NE 1956 1:1,250	SD8610NW 1957 1:1,250
SD8510SW 1956 1:1,250	SD8510SE 1956 1:1,250	SD8610SW 1957 1:1,250



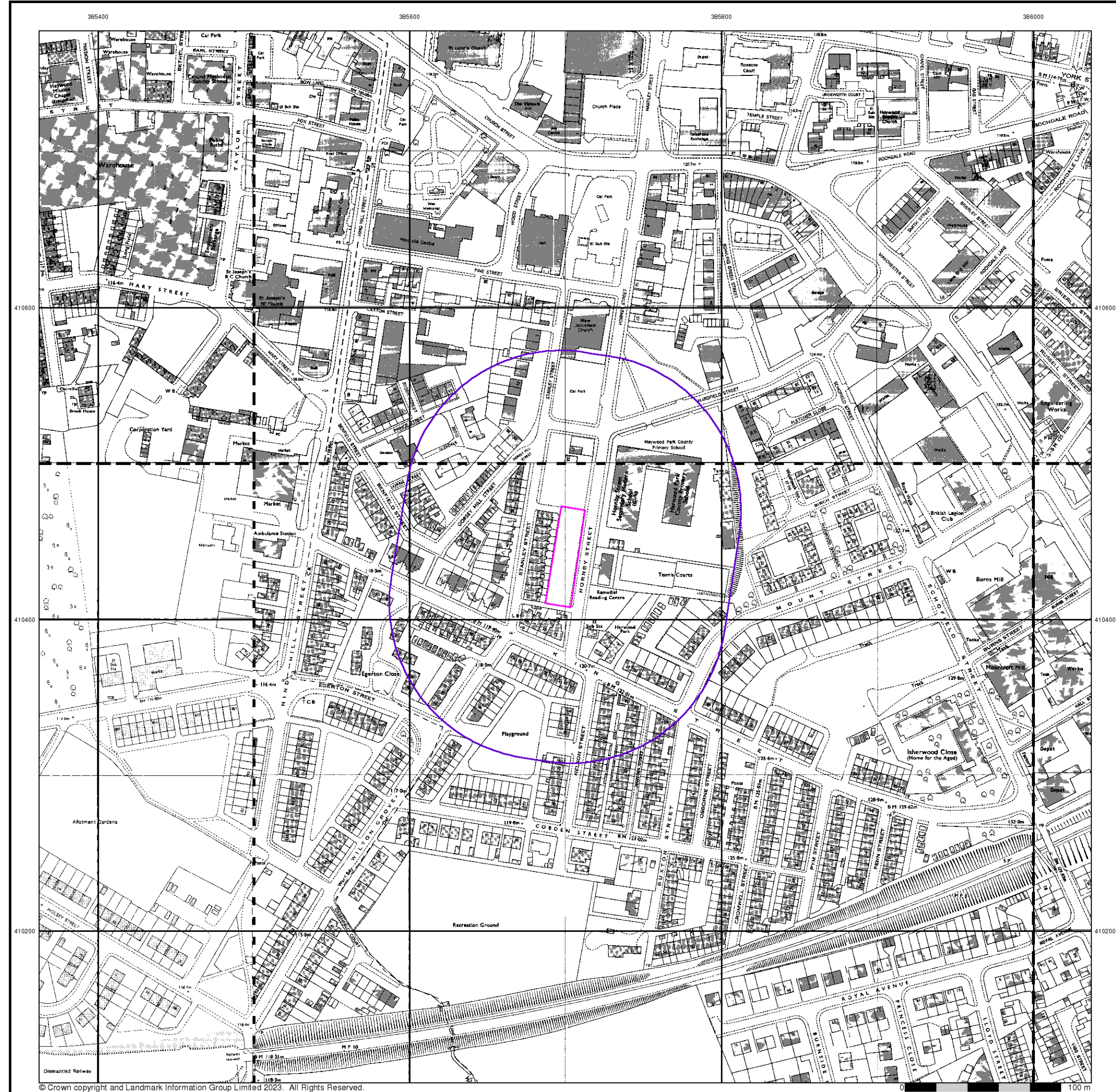
Order Details
Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 100

Site Details
Hornby Street, Heywood









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Ordnance Survey Plan

Published 1973 - 1991

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)

SD8510NW 1973 1:1,250	SD8510NE 1989 1:1,250	SD8610NW 1974 1:1,250
SD8510SW 1991 1:1,250	SD8510SE 1974 1:1,250	SD8610SW 1986 1:1,250

Historical Map - Segment A13

Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 100

Site Details

Hornby Street, Heywood

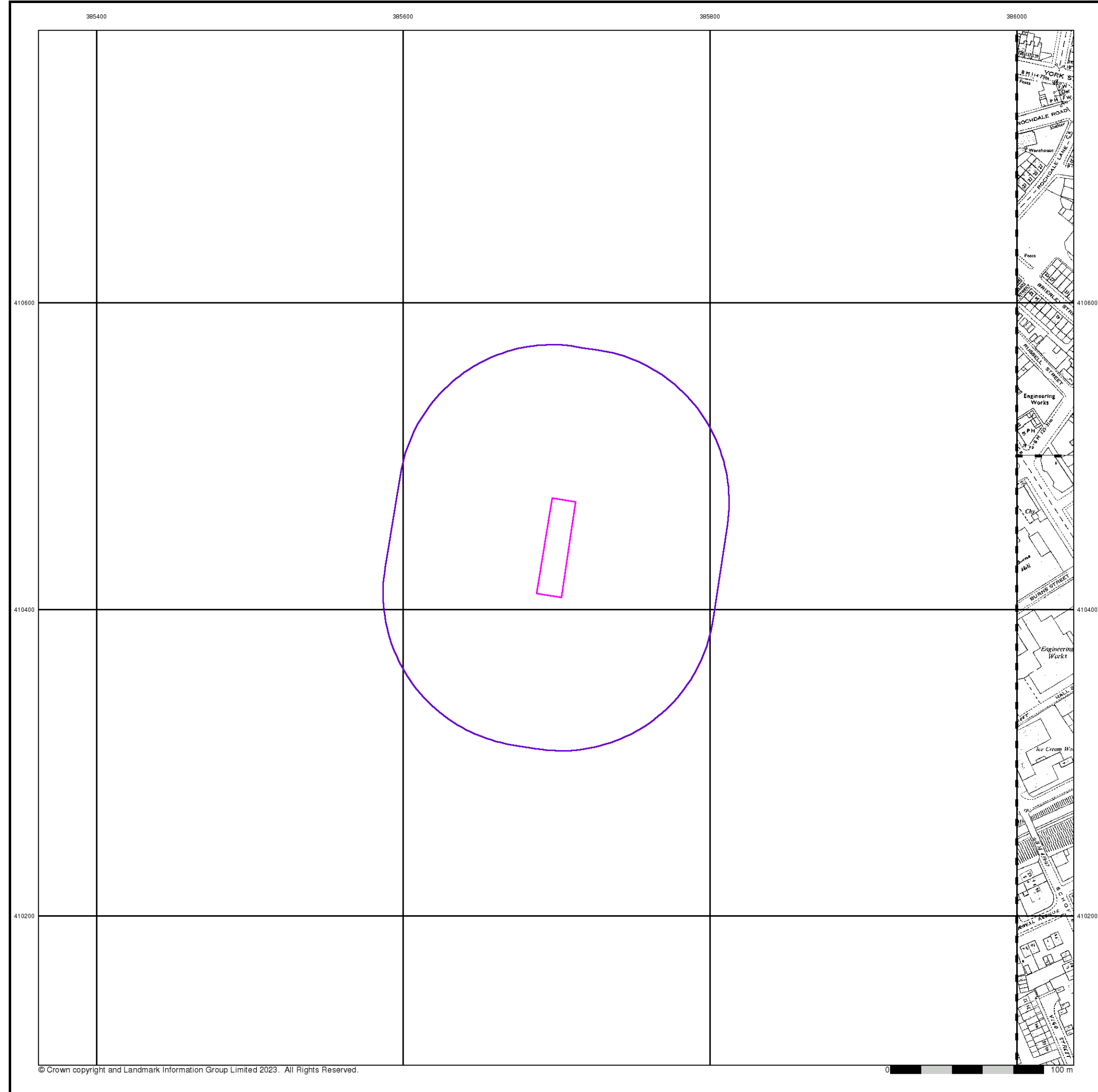
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Supply of Unpublished Survey Information

Published 1975

Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8610NW
1975
1:1,250

SD8610SW
1975
1:1,250

Historical Map - Segment A13

A21A22A23A24A25

A16A17A18A19A20

A11A12A13A14A15

A6A7A8A9A10

A1A2A3A4A5

Order Details

Order Number:	325164398_1_1
Customer Ref:	STV6299
National Grid Reference:	385700, 410440
Slice:	A
Site Area (Ha):	0.11
Search Buffer (m):	100

Site Details

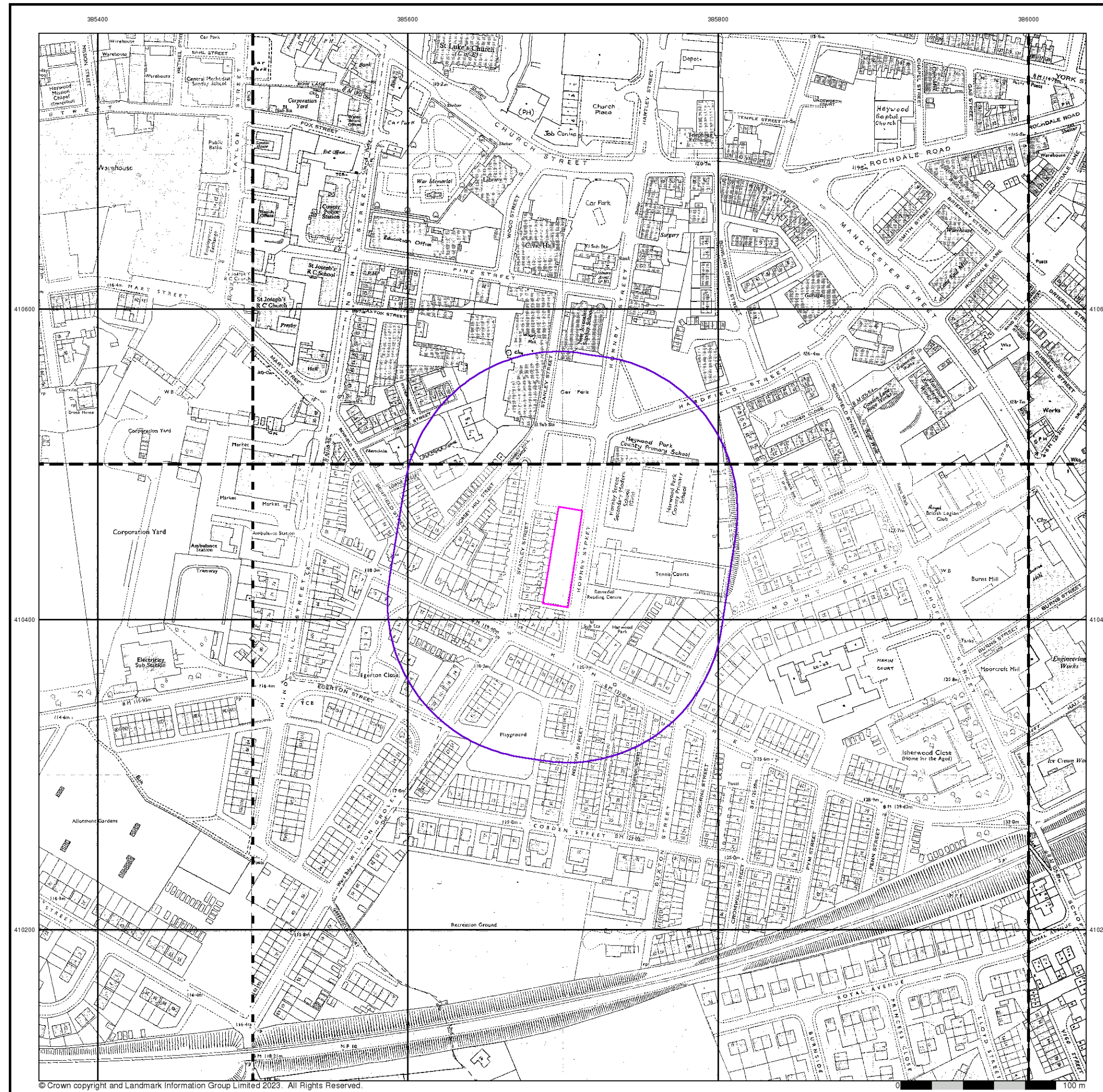
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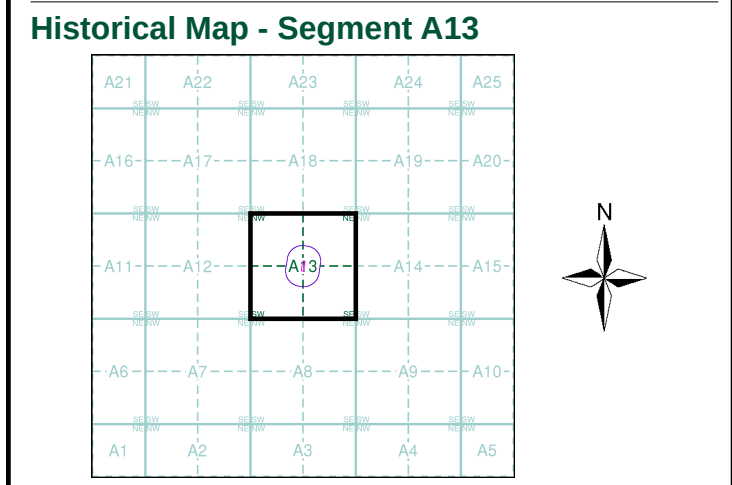


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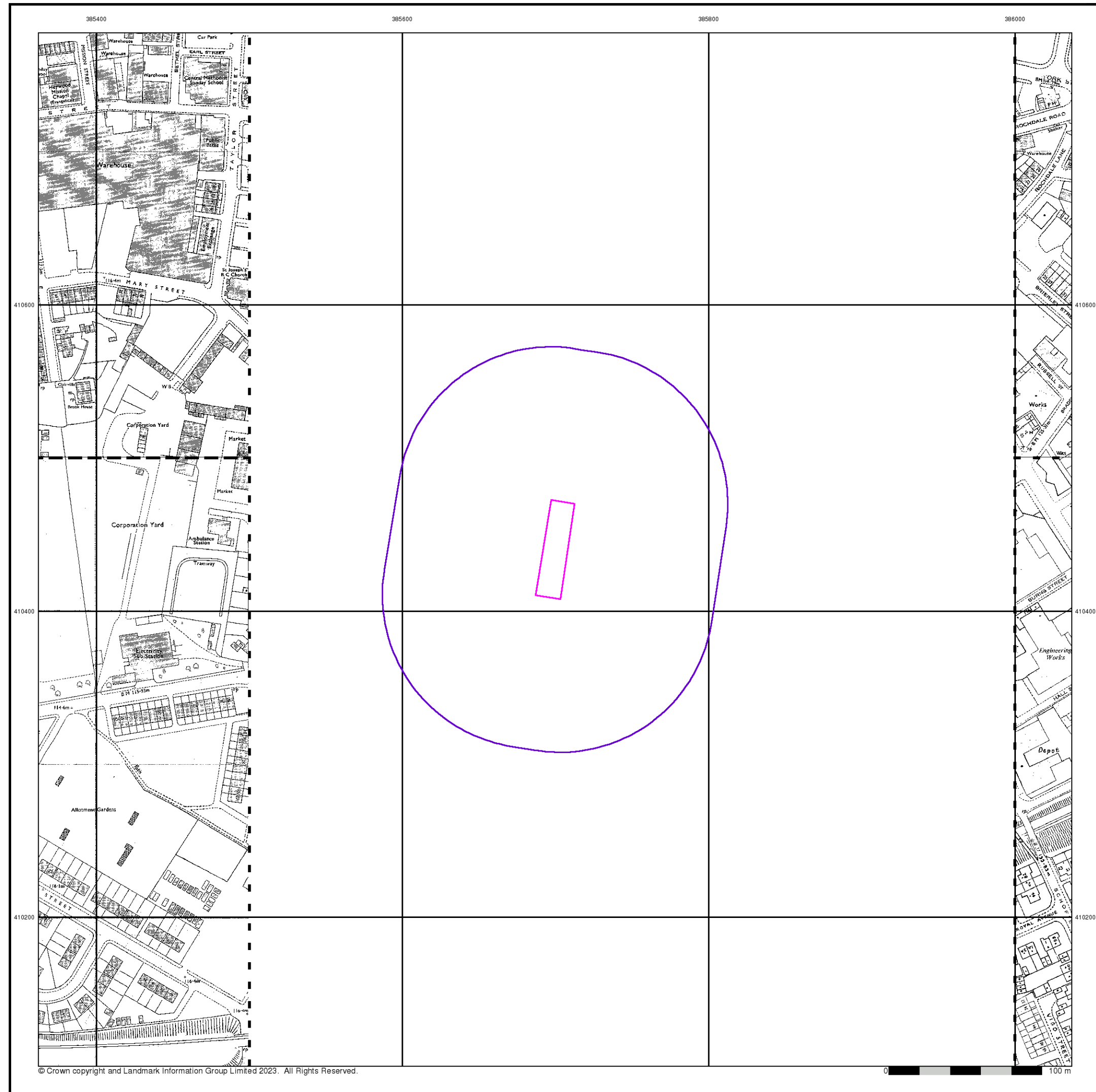
Additional SIMs
Published 1977 - 1985
Source map scale - 1:1,250
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD8510NW 1984 1:1,250	SD8510NE 1981 1:1,250	SD8610NW 1985 1:1,250
SD8510SW 1984 1:1,250	SD8510SE 1978 1:1,250	SD8610SW 1977 1:1,250



Order Details
Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 100
Site Details
Hornby Street, Heywood



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Additional SIMs

Published 1983 - 1991

Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8510NW 1986 1:1,250	SD8610NW 1991 1:1,250
SD8510SW 1985 1:1,250	SD8610SW 1983 1:1,250

Historical Map - Segment A13

Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 100

Site Details

Hornby Street, Heywood

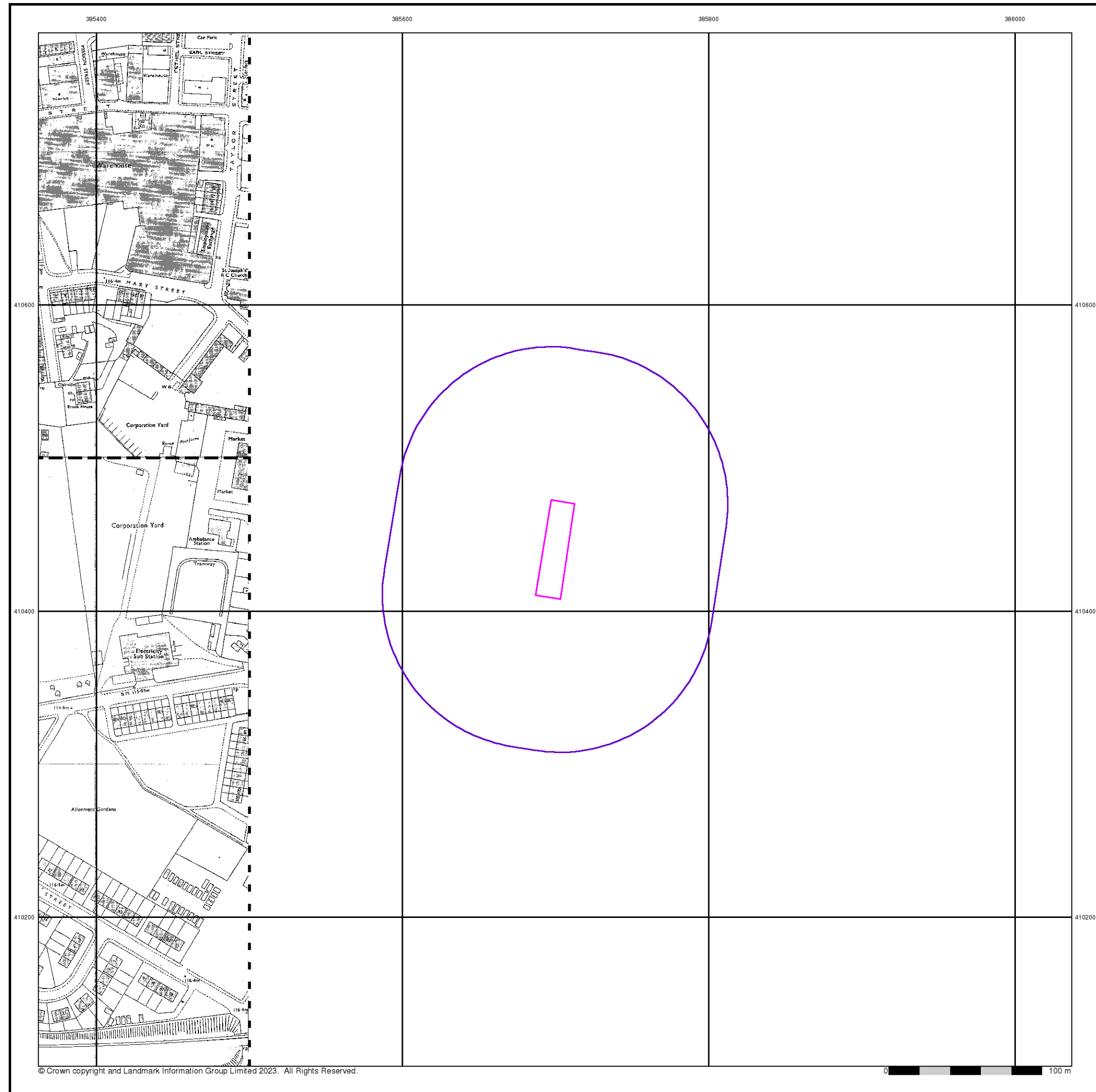
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Additional SIMs

Published 1988 - 1990

Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8510NW	1990	1:1,250
SD8510SW	1988	1:1,250

Historical Map - Segment A13

Order Details

Order Number:	325164398_1_1
Customer Ref:	STV6299
National Grid Reference:	385700, 410440
Slice:	A
Site Area (Ha):	0.11
Search Buffer (m):	100

Site Details

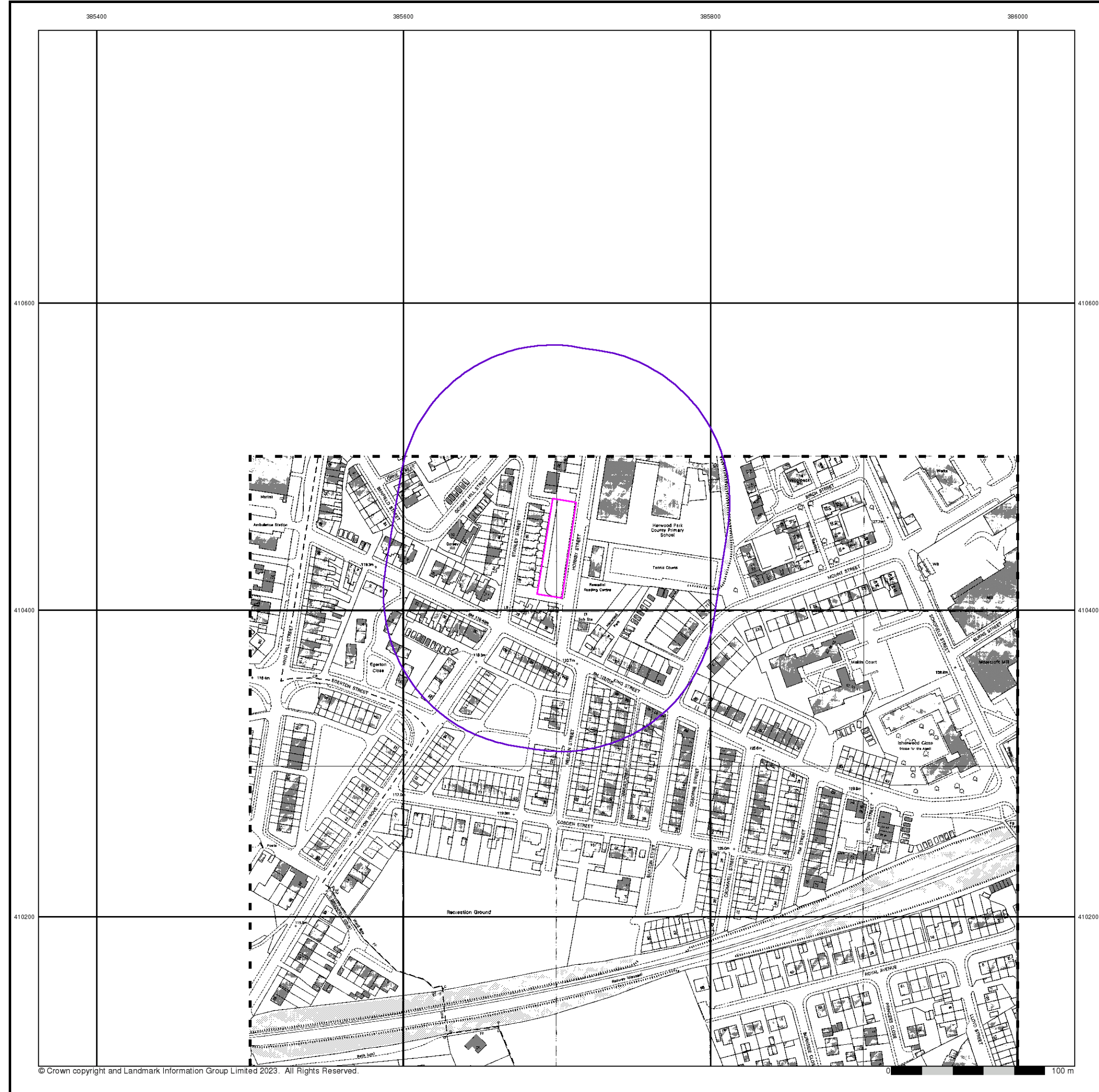
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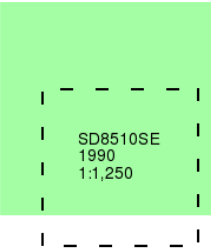
A Landmark Information Group Service v50.0 16-Nov-2023 Page 14 of 20



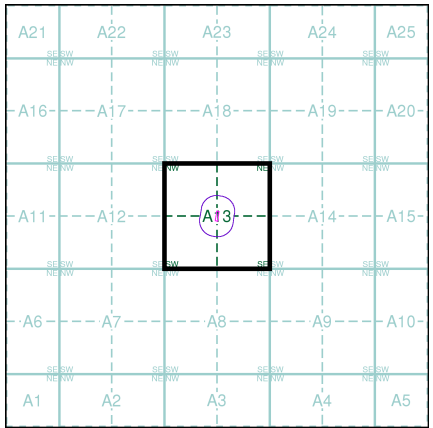
Ordnance Survey Plan
Published 1990
Source map scale - 1:1,250

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)

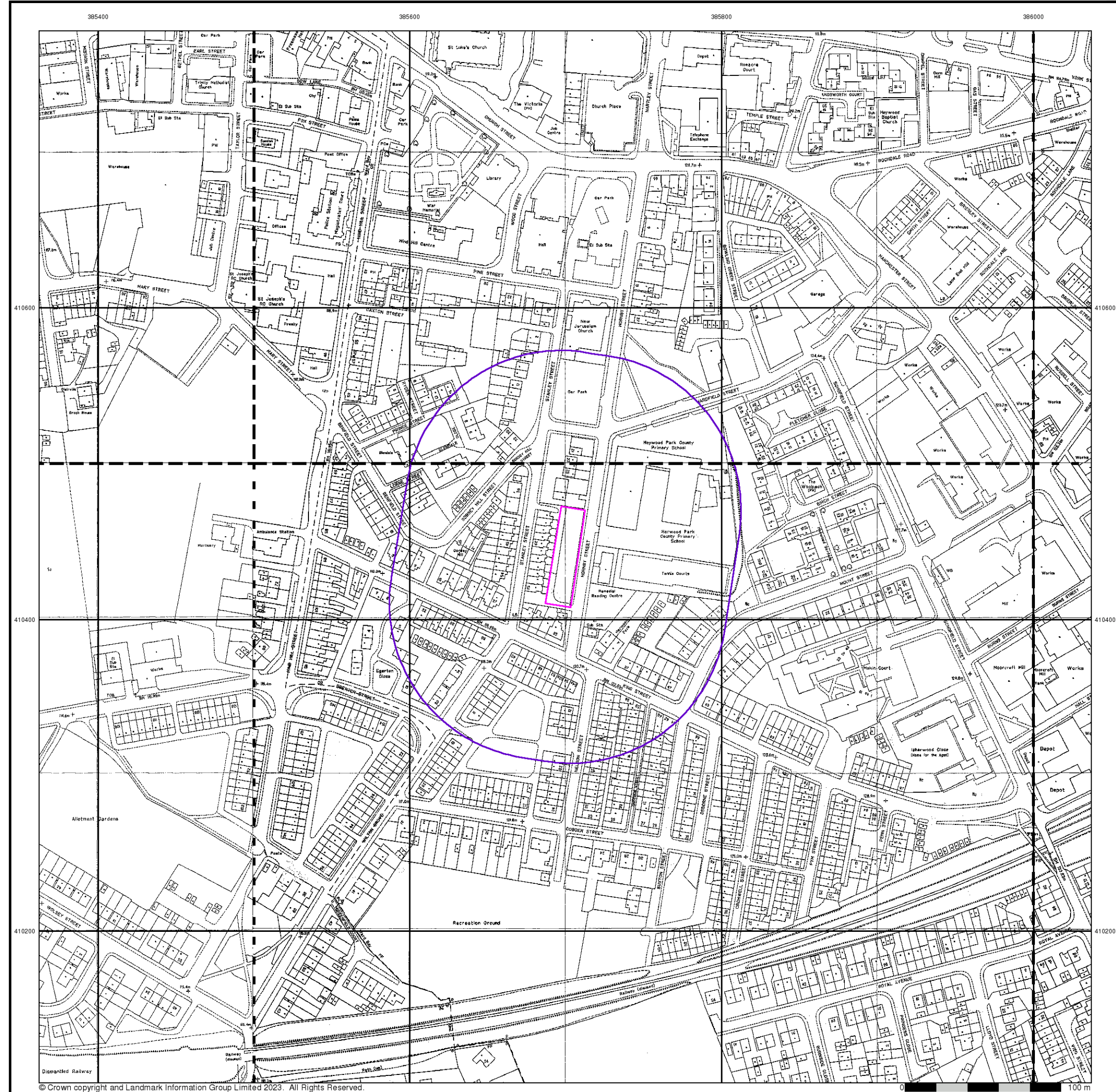


Historical Map - Segment A13



Order Details
Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 100

Site Details
Hornby Street, Heywood



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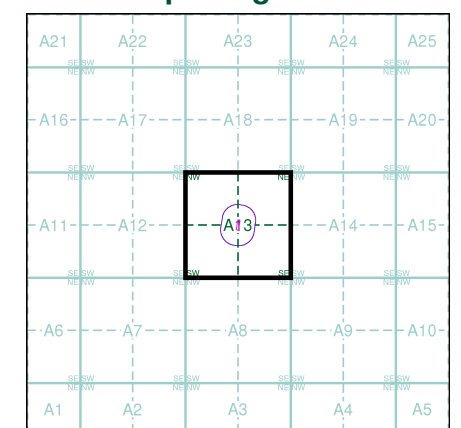
Large-Scale National Grid Data Published 1992 Source map scale - 1:1,250

'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)

SD8510NW 1992 1:1,250	SD8510NE 1992 1:1,250	SD8610NW 1992 1:1,250
SD8510SW 1992 1:1,250	SD8510SE 1992 1:1,250	SD8610SW 1992 1:1,250

Historical Map - Segment A13



Order Details

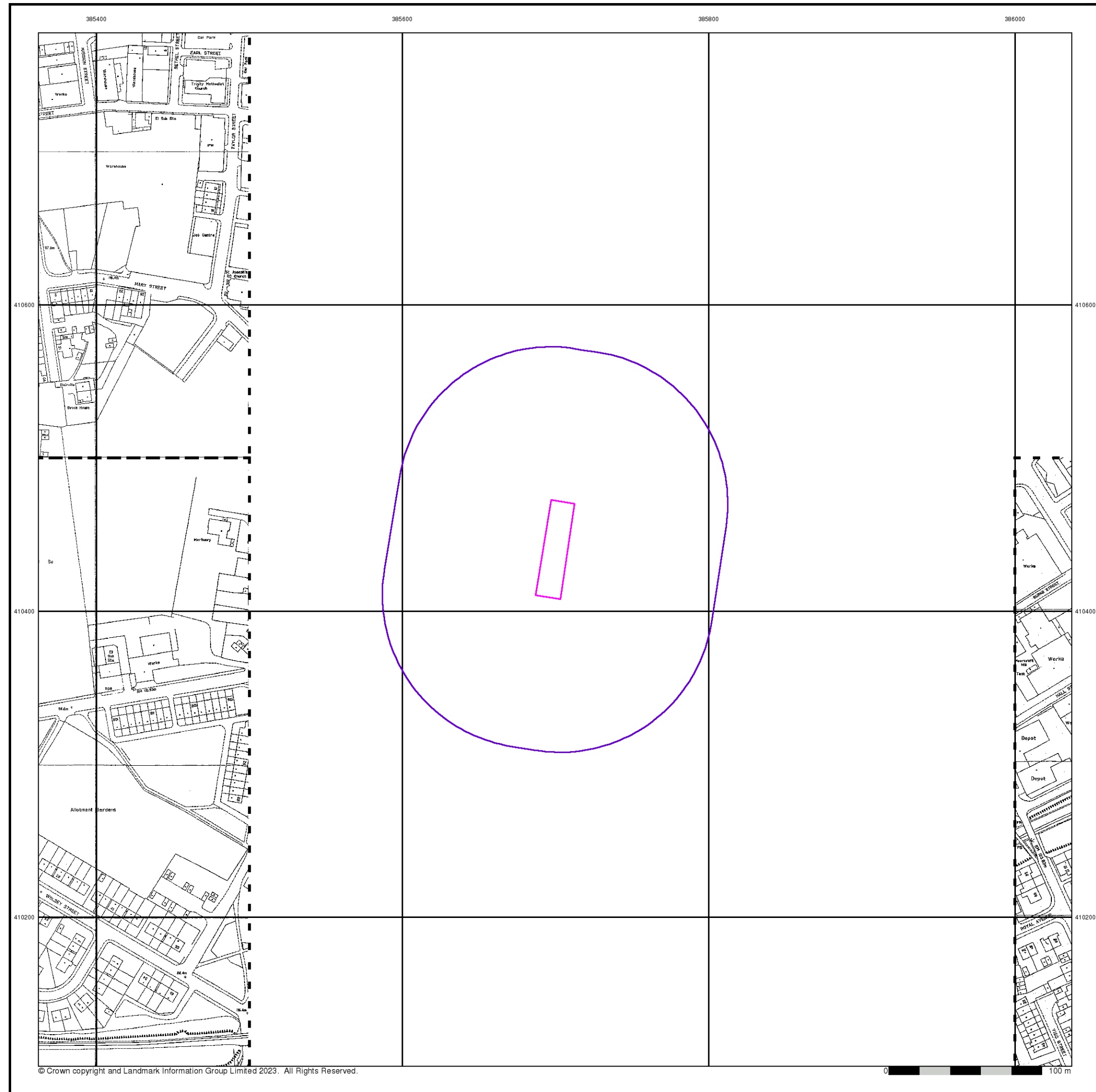
Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1994 - 1995

Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8510NW 1995 1:1,250		
SD8510SW 1994 1:1,250		SD8610SW 1994 1:1,250

Historical Map - Segment A13

Order Details

Order Number:	325164398_1_1
Customer Ref:	STV6299
National Grid Reference:	385700, 410440
Slice:	A
Site Area (Ha):	0.11
Search Buffer (m):	100

Site Details

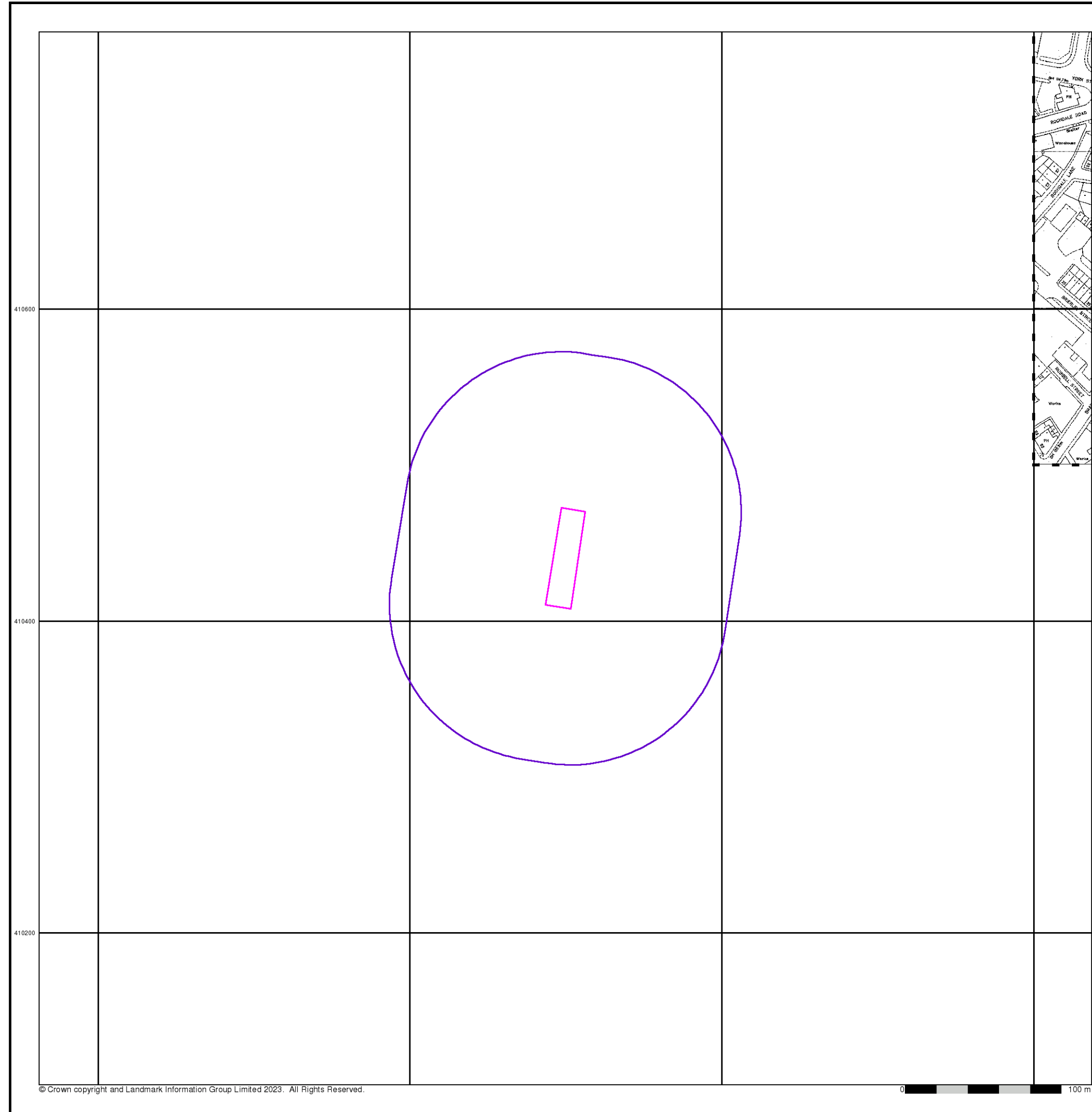
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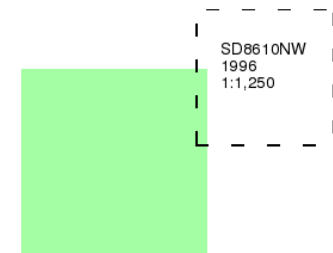
Large-Scale National Grid Data

Published 1996

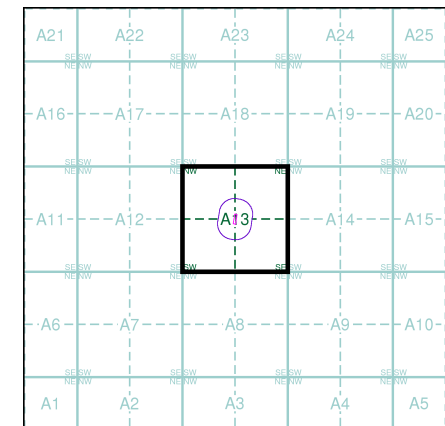
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 100

Site Details

Hornby Street, Heywood

385400

385600

385800

386000

410600

410600

410400

410400

410200

410200



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0 100 m

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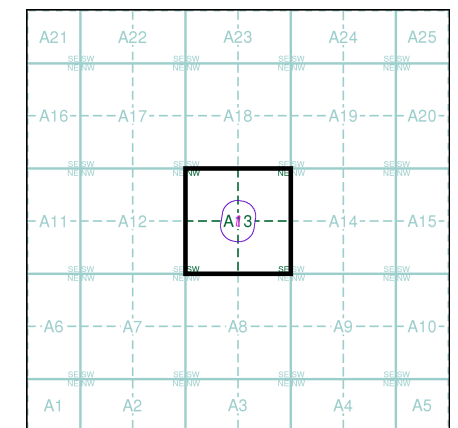
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Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

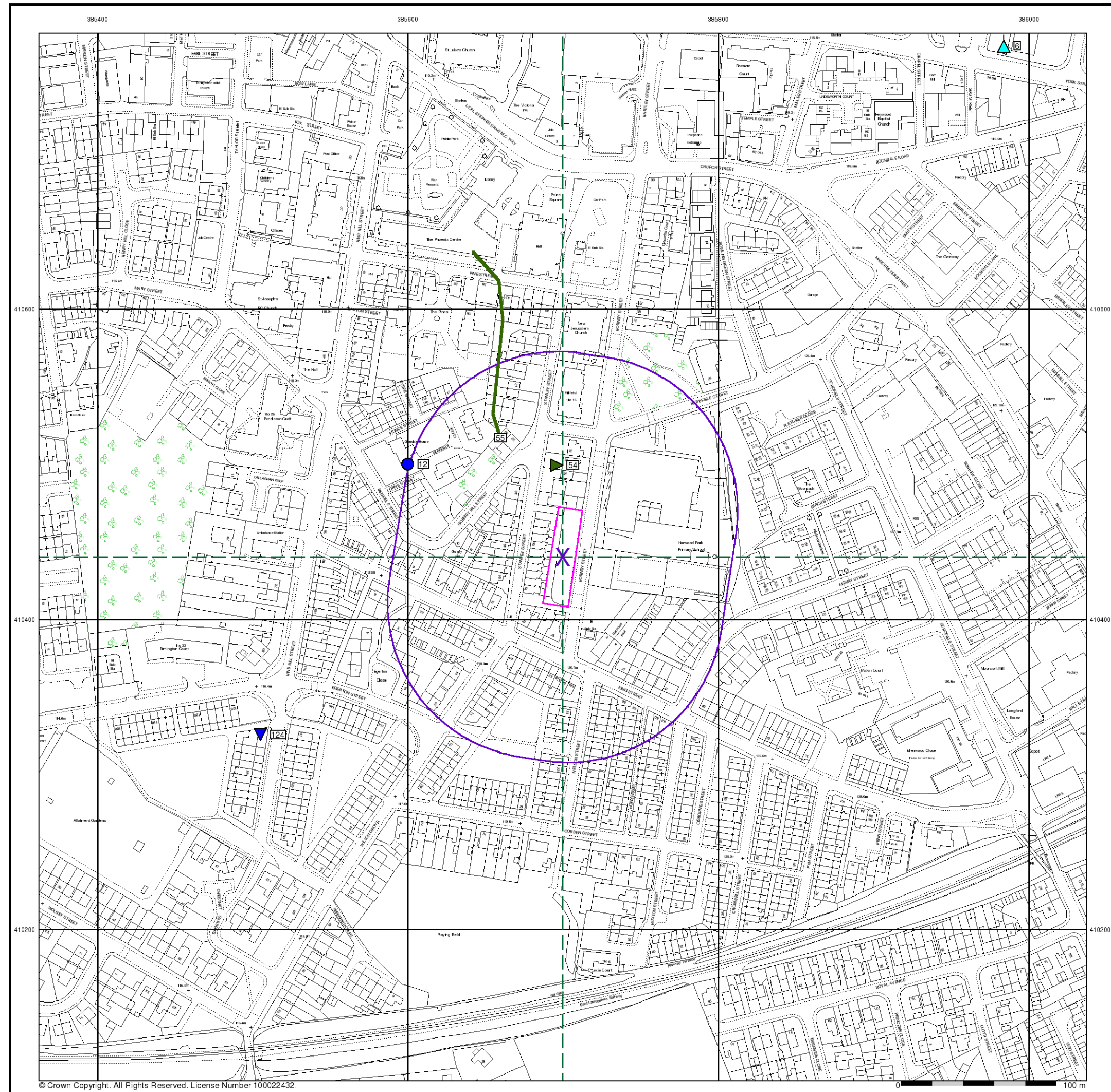
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Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 100

Site Details

Hornby Street, Heywood

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General

Specified Site

Specified Buffer(s)

Bearing Reference Point

Map ID

Several of Types 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 Enforcement

Local Authority Pollution Prevention and Control Enforcement

Pollution Incident to Controlled Waters

Prosecution Relating to Authorised Processes

Prosecution Relating to Controlled Waters

Registered Radioactive Substance

River Network or Water Feature

River Quality Sampling Point

Substantiated Pollution Incident Register

Water Abstraction

Water Industry Act Referral

Hazardous Substances

COMAH Site

Explosive Site

NIHHS Site

Planning Hazardous Substance Consent

Planning Hazardous Substance Enforcement

BGS Recorded Mineral Site

Waste

BGS Recorded Landfill Site (Location)

EA Historic Landfill (Buffered Point)

EA Historic Landfill (Polygon)

Integrated Pollution Control Registered Waste Site

Licensed Waste Management Facility (Landfill Boundary)

Licensed Waste Management Facility (Location)

Local Authority Recorded Landfill Site (Location)

Local Authority Recorded Landfill Site

Potentially Infilled Land (Non-water)

Potentially Infilled Land (Non-water)

Potentially Infilled Land (Non-water)

Potentially Infilled Land (Water)

Potentially Infilled Land (Water)

Potentially Infilled Land (Water)

Registered Landfill Site

Registered Landfill Site (Location)

Registered Landfill Site (Point Buffered to 100m)

Registered Landfill Site (Point Buffered to 250m)

Registered Waste Transfer Site (Location)

Registered Waste Transfer Site

Registered Waste Treatment or Disposal Site (Location)

Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A13

Order Details

Order Number:

325164398_1_1

Customer Ref:

STV6299

National Grid Reference:

385700, 410440

Slice:

A

Site Area (Ha):

0.11

Plot Buffer (m):

100

Site Details

Hornby Street, Heywood

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0844 844 9951

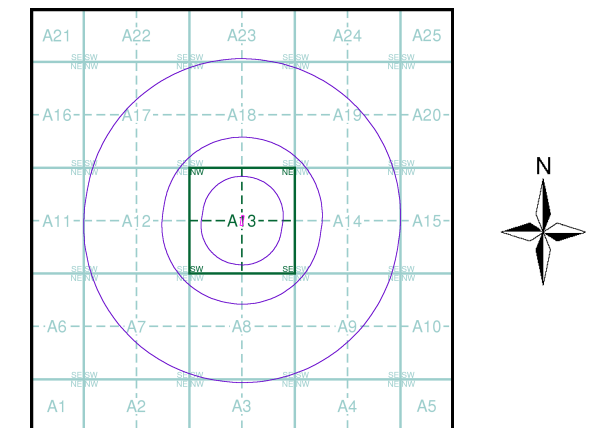
Web:

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Site Sensitivity Map - Slice A

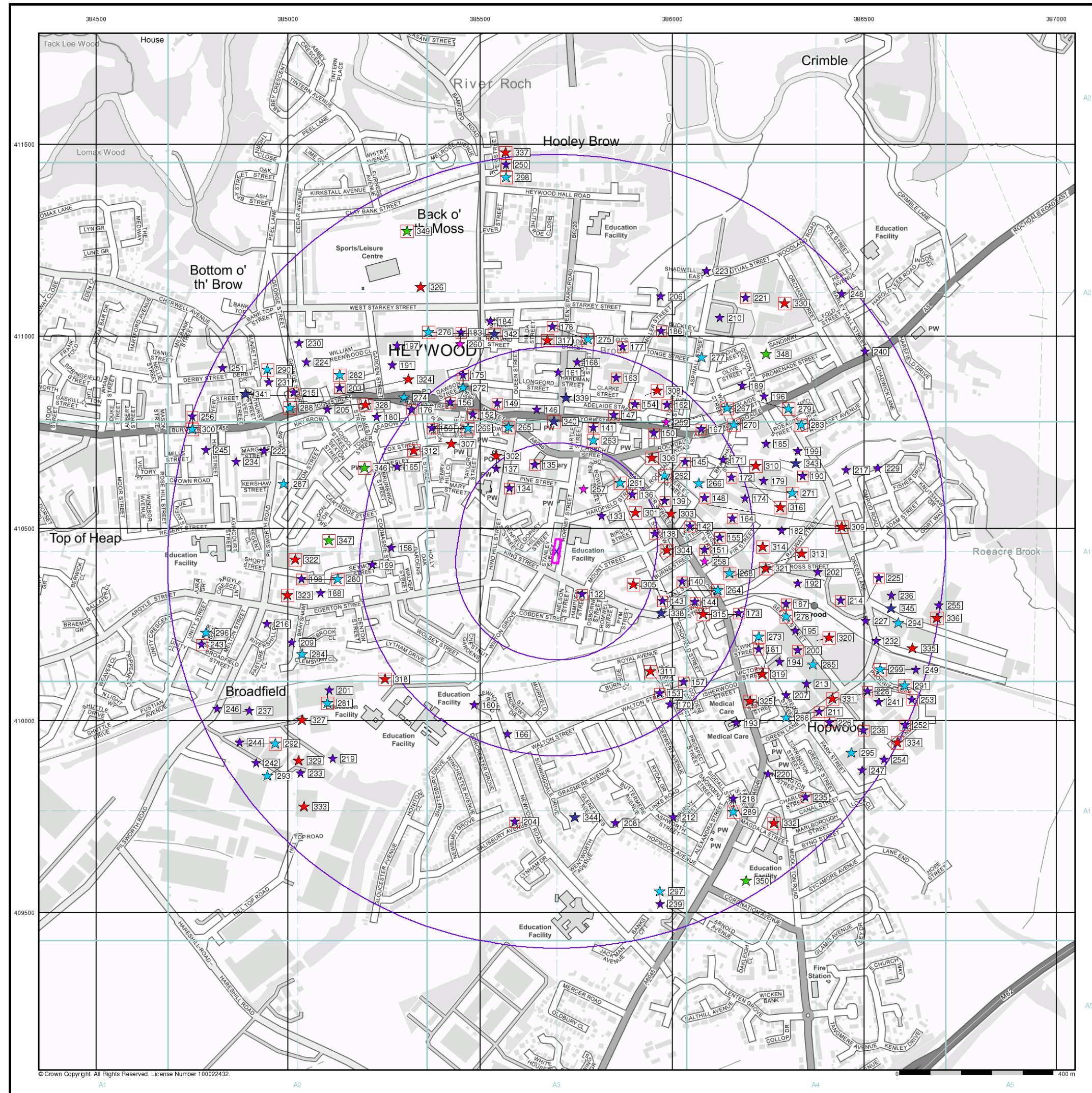


Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Hornby Street, Heywood



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Industrial Land Use Map

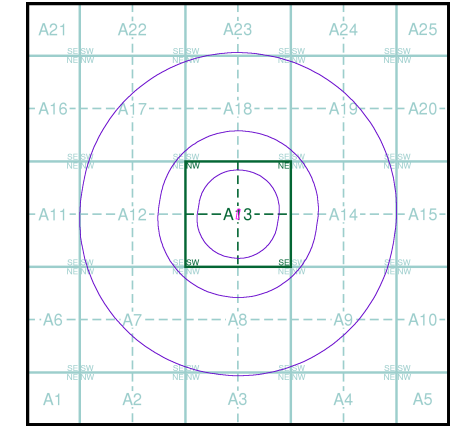
General

- 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

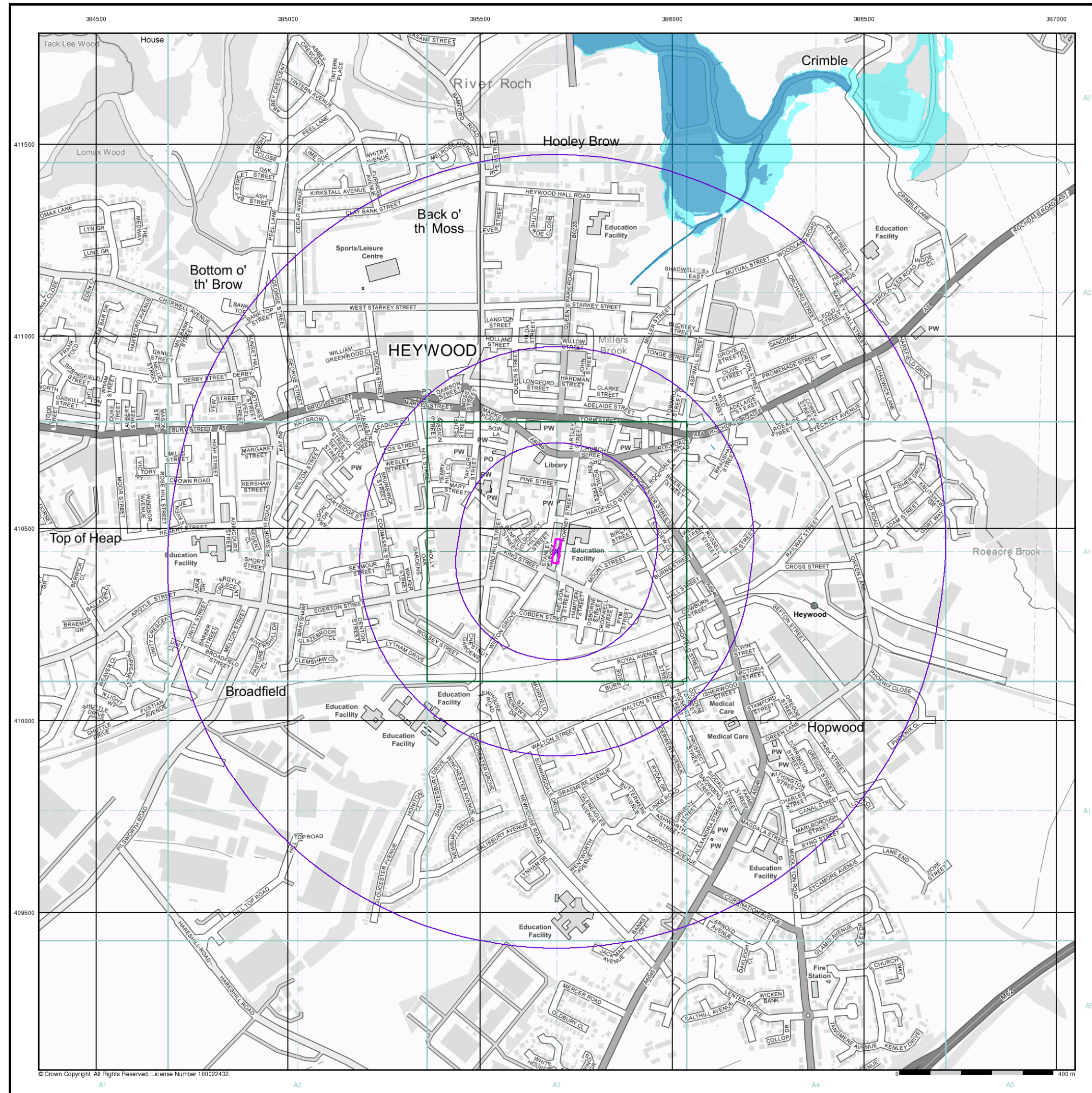


Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Hornby Street, Heywood



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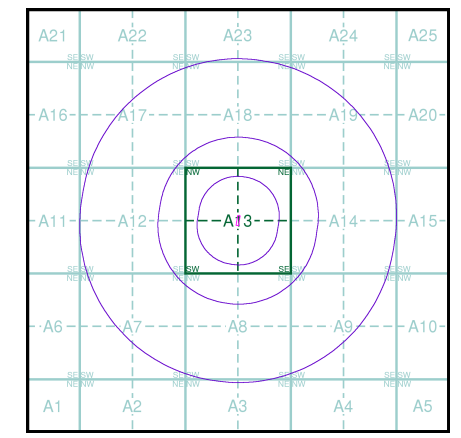
General

- 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

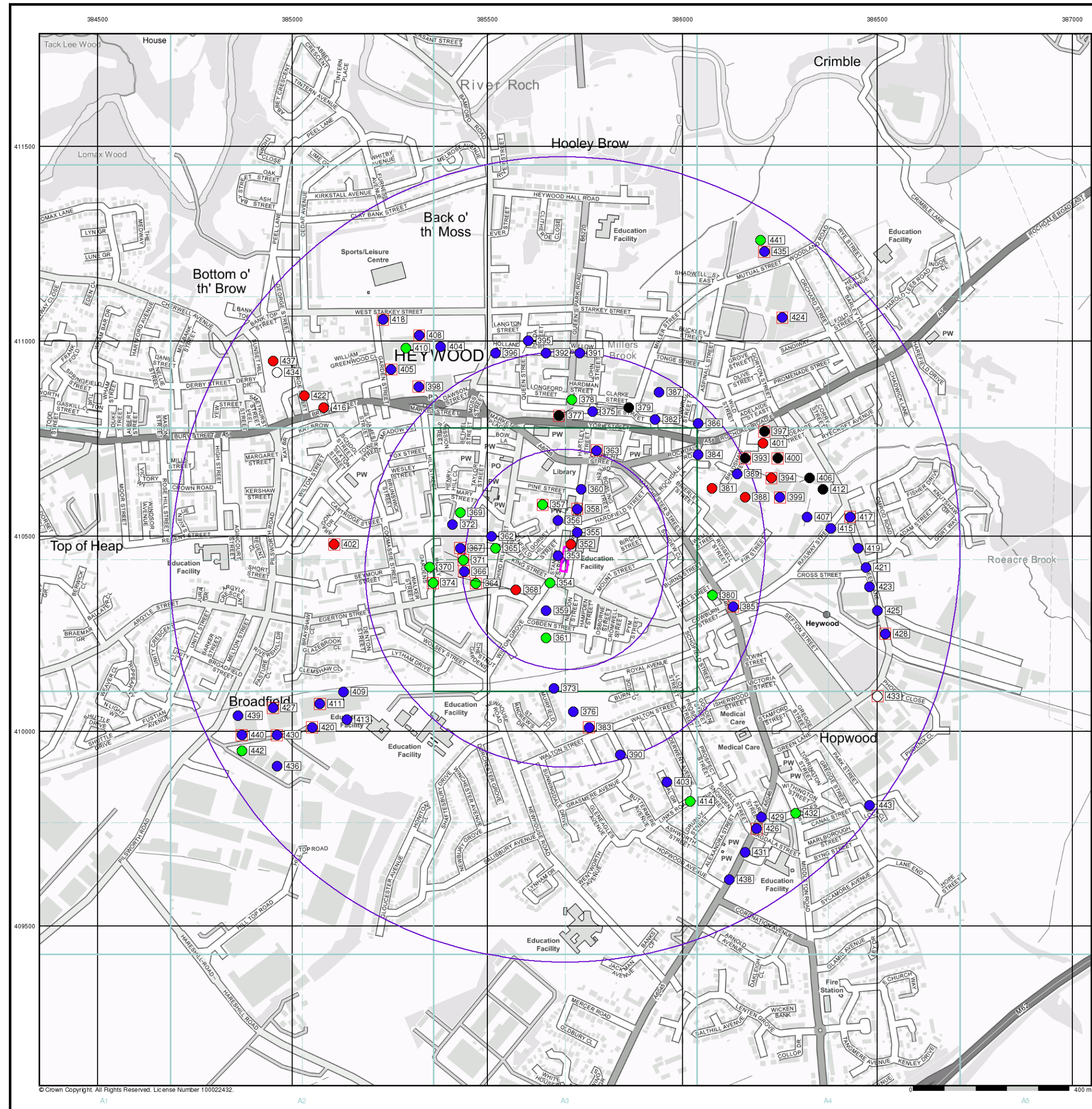


Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Hornby Street, Heywood



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General

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

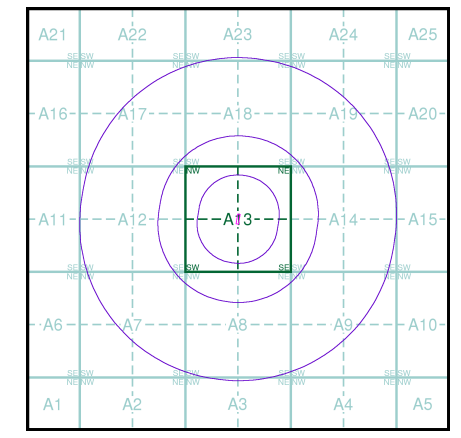
Agency and Hydrological (Boreholes)

- 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

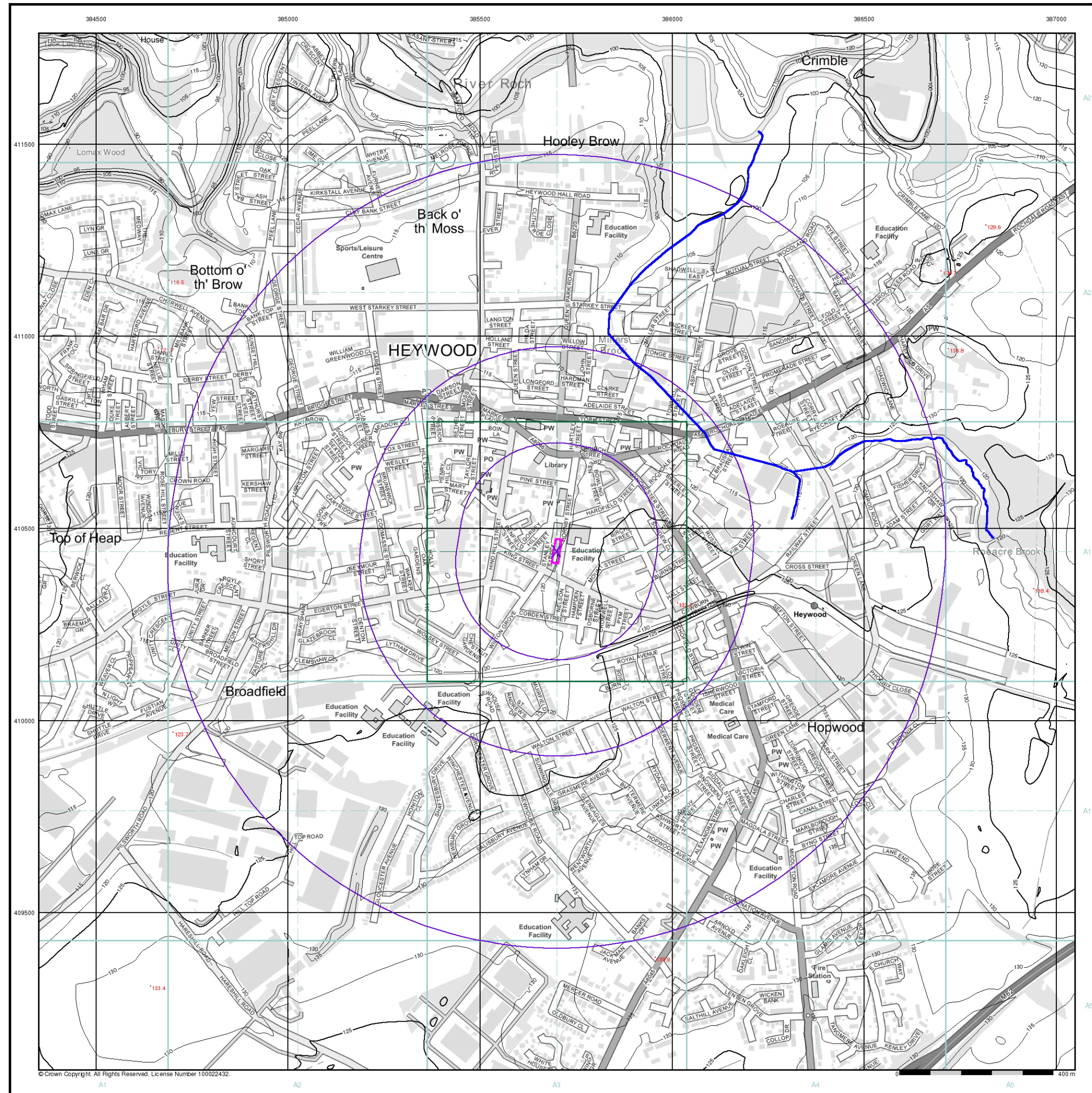


Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Hornby Street, Heywood



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General

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

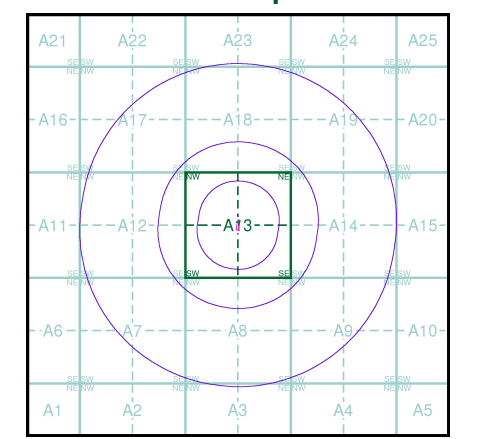
OS Water Network Data

- | | |
|--------------|-------------------------|
| 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

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Site Details

Hornby Street, Heywood

Landmark
INFORMATION GROUP

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



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General

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

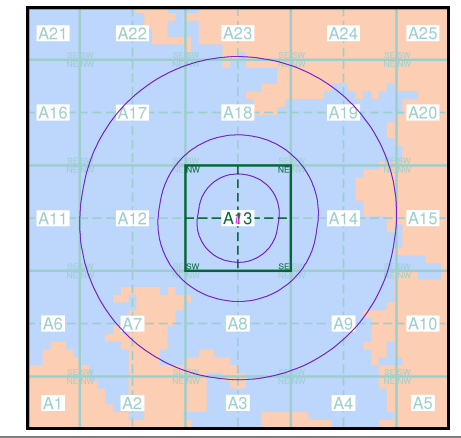
Risk of Flooding from Surface Water

- 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

EAN/RW Suitability Map - Slice A



Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
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Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

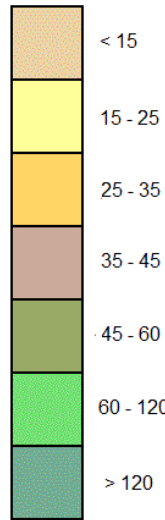
Hornby Street, Heywood

General

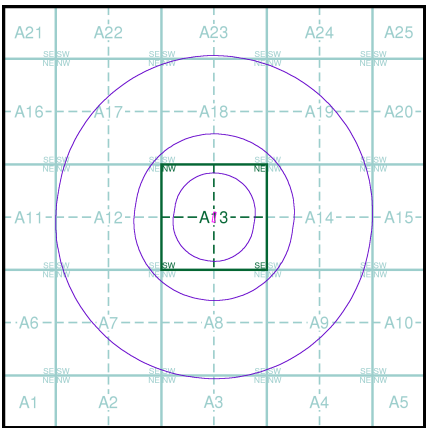
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

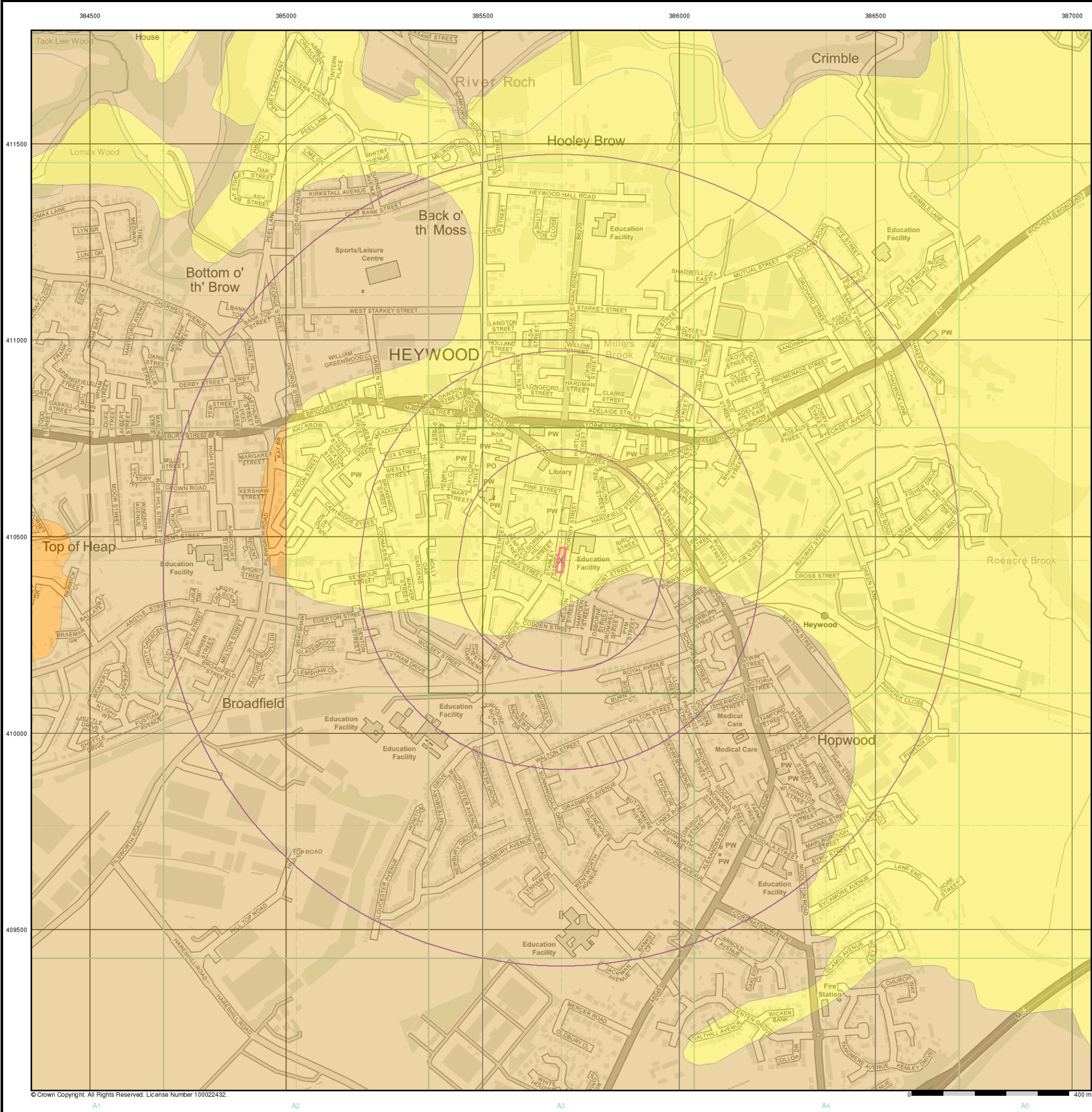


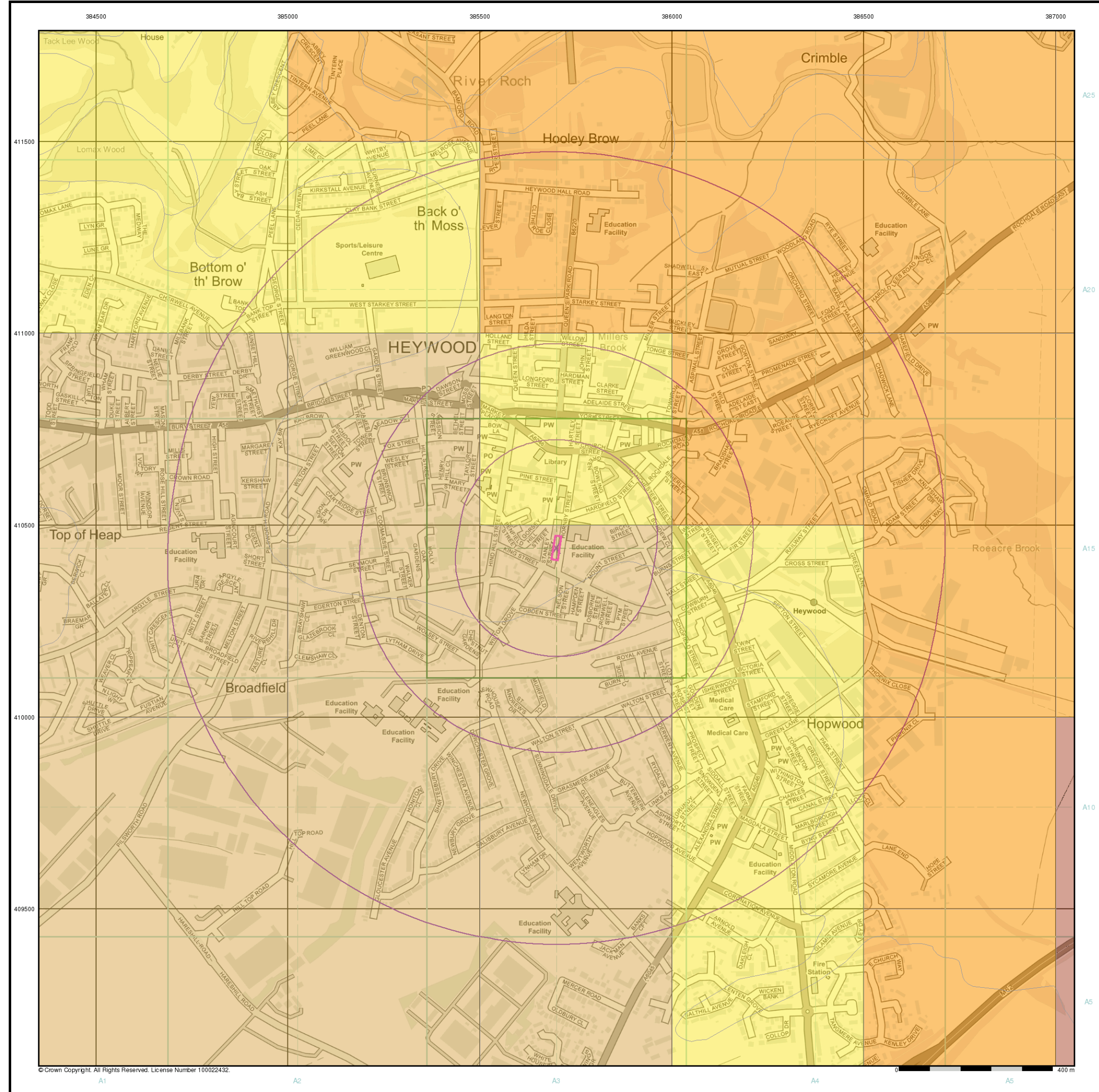
Order Details

Order Details: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Hornby Street, Heywood





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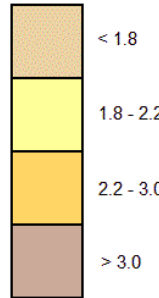
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General

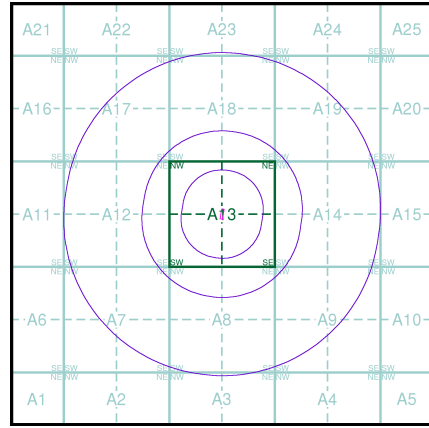
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
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Site Details

Hornby Street, Heywood

Landmark
INFORMATION GROUP

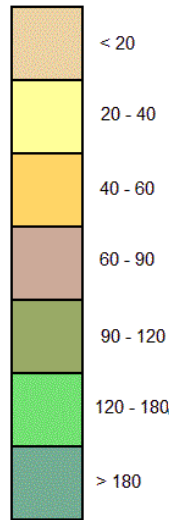
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

General

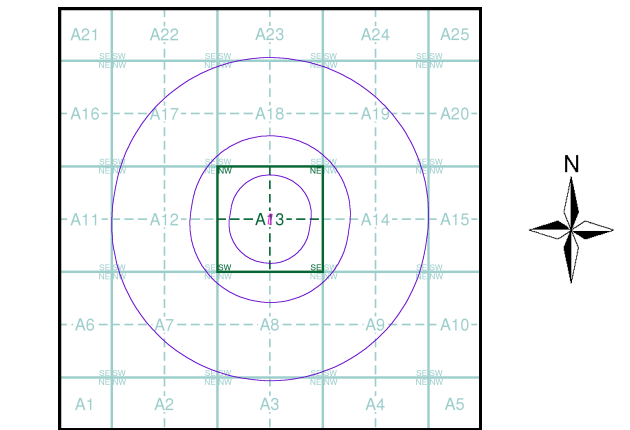
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

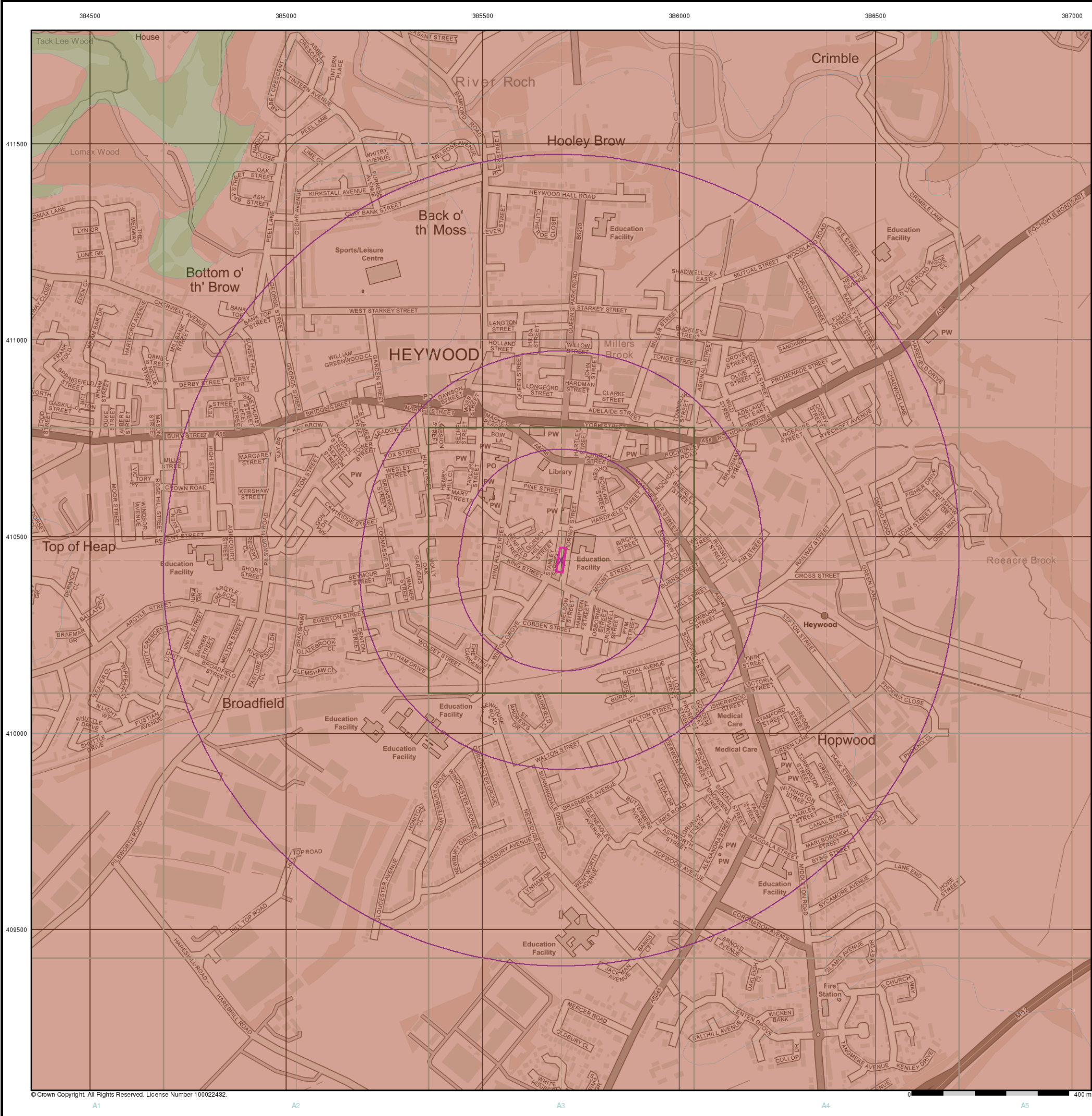


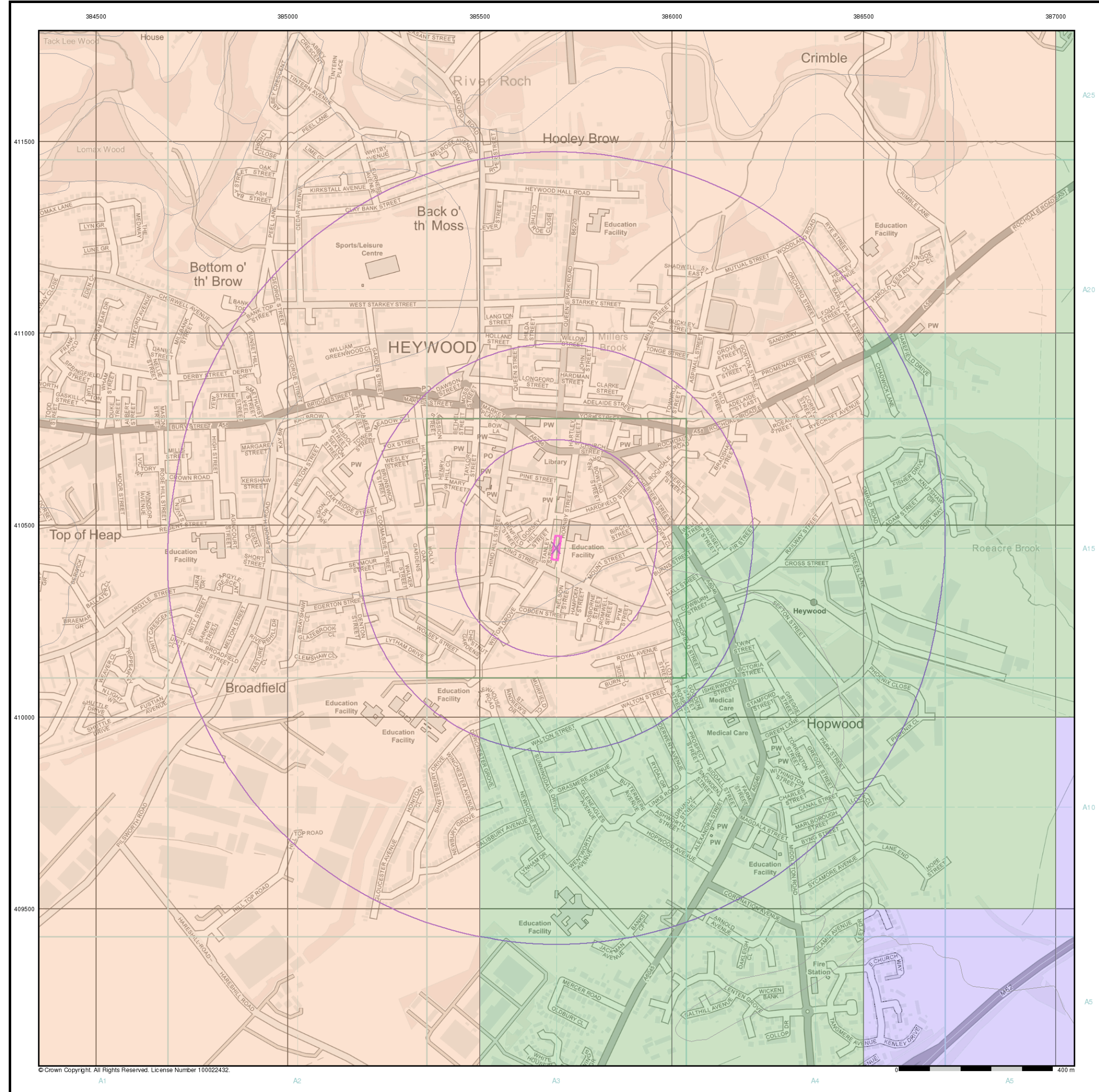
Order Details

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Customer Ref: STV6299
National Grid Reference: 385700, 410440
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Site Details

Hornby Street, Heywood



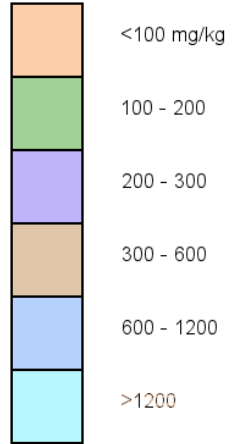


General

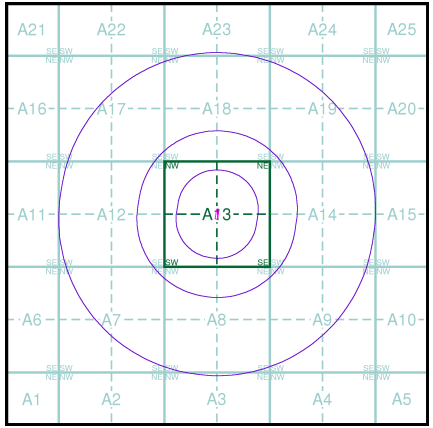
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 325164398_1_1
Customer Ref: STV6299
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Search Buffer (m): 1000

Site Details

Hornby Street, Heywood



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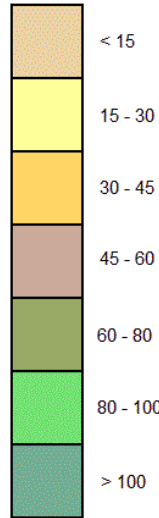
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General

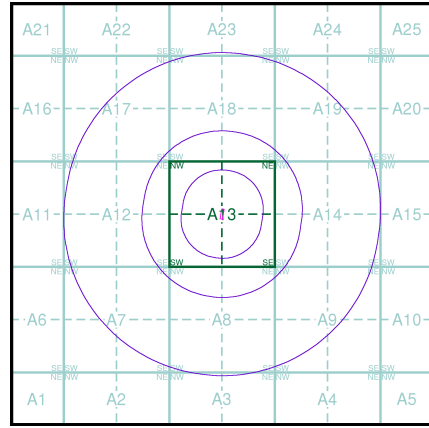
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 325164398_1_1
Customer Ref: STV6299
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Slice: A
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Search Buffer (m): 1000

Site Details

Hornby Street, Heywood

Landmark
INFORMATION GROUP

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

Lancashire And Furness

Published 1851

Source map scale - 1:1,056

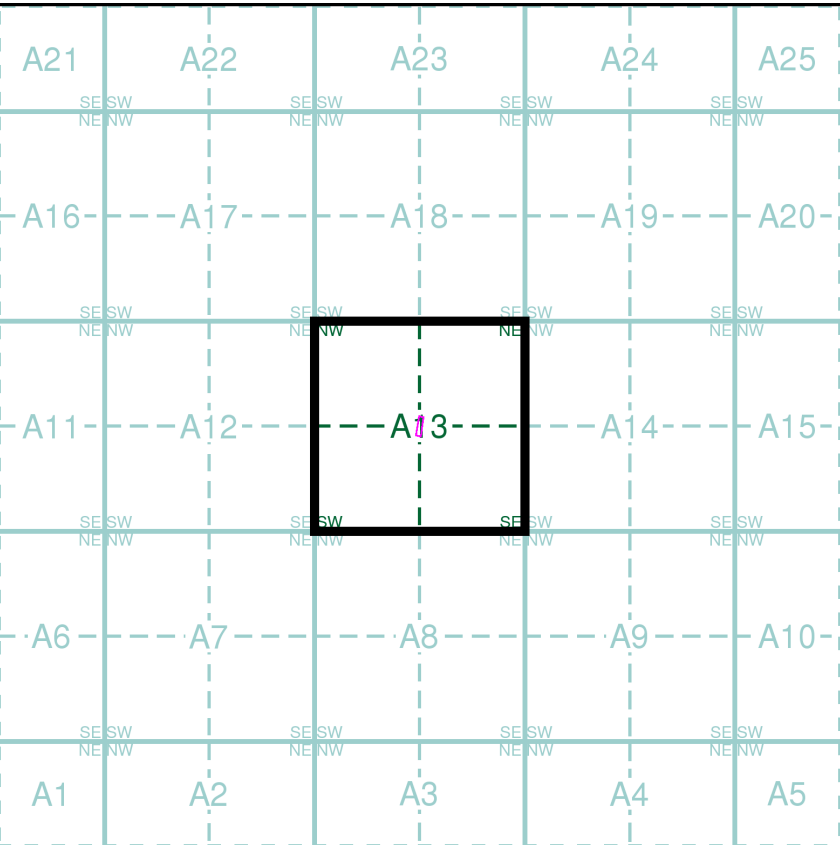
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the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

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

Map Name(s) and Date(s)

000_00_001	000_00_002
1851	1851
1:1,056	1:1,056
000_00_201	000_00_003
1851	1851
1:1,056	1:1,056

Historical Town Plan - Segment A13



Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
National Grid Reference: 385700, 410440
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 0

Site Details

Hornby Street, Heywood

Lancashire And Furness

Published 1891

Source map scale - 1:500

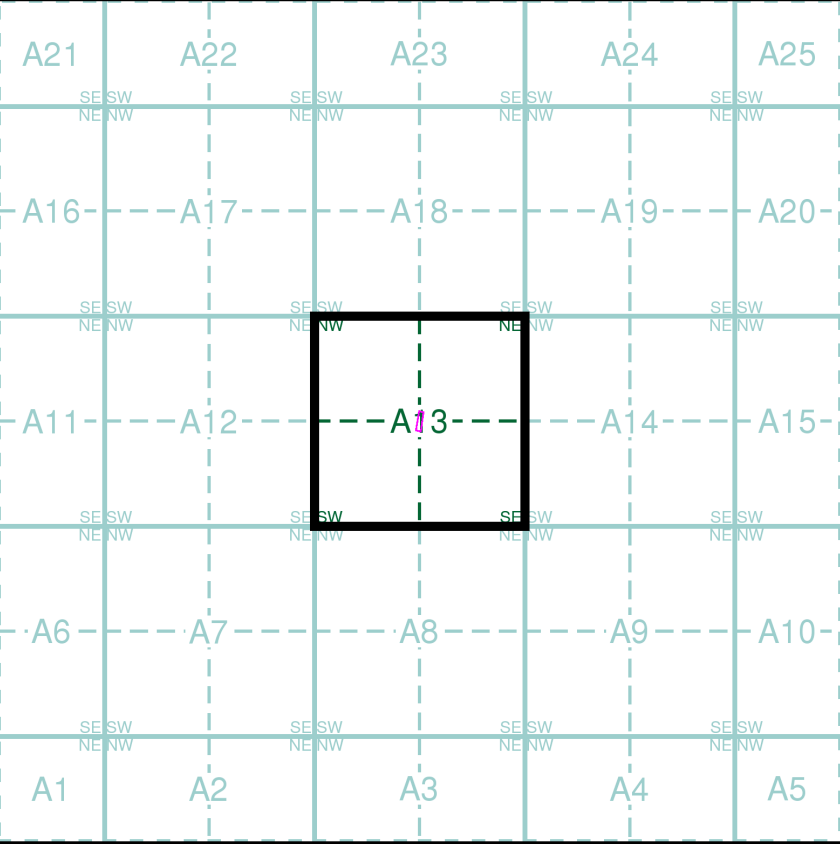
The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped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

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

Map Name(s) and Date(s)

088_11_007	088_11_008	088_11_009
1891	1891	1891
1:500	1:500	1:500
088_11_012	088_11_013	088_11_014
1891	1891	1891
1:500	1:500	1:500
	088_11_019	
	1891	
	1:500	

Historical Town Plan - Segment A13



Order Details

Order Number: 325164398_1_1
Customer Ref: STV6299
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Site Details

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