THE ENVIRONMENT PARTNERSHIP



ARCHAEOLOGICAL EVALUATION

FORMER JACKSONS BRICKWORKS, TEN ACRES LANE, MANCHESTER

WRITTEN SCHEME OF INVESTIGATION

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1.0 Introduction

1.1 This Written Scheme of Investigation (WSI) has been commissioned by Vertase FLI in response to a condition of planning permission for works at Former Jacksons Brickworks, Ten Acres Lane, Manchester M40 2SP.

1.2 The planning application, reference 128187/FO/2021, is for site remediation works including the removal of existing vegetation, groundworks and other associated works.

1.3 The development site is located at the Former Jackson Brickworks, Ten Acres Lane, Manchester M40 2SP, centred at approximately National Grid Reference SD 87575 00292 and covers an area of approximately 19.1ha (see Drawing G10279.001). This is referred to throughout this report as the 'development site'.

1.4 The local planning authority is Manchester City Council.

1.5 The pre-commencement condition 15 of the planning permission states:

> *No remediation ground works (excluding the treatment of Japanese Knotweed on the site), shall take place until the applicant or their agents or successors in title has secured the implementation of a programme of archaeological works. The works are to be undertaken in accordance with a Written Scheme of Investigation (WSI) submitted to and approved in writing by Manchester Planning Authority. The WSI shall cover the following:*
>
> *1. A phased programme and methodology of investigation and recording to include:*
>
> *- an archaeological evaluation through trial trenching after removal of vegetation*
>
> *- dependent on the above, furthermore detailed archaeological excavation (subject to a separate WSI)*
>
> *- a survey of the flag stone wall*
>
> *2. A programme for post investigation assessment to include:*
>
> *- production of a final report on the investigation results.*
>
> *3. Deposition of the final report with the Greater Manchester Historic Environment Record.*
>
> *4. A scheme to disseminate the results of the investigations commensurate with their significance.*
>
> *5. Provision for archive deposition of the report and records of the site investigation.*
>
> *6. Nomination of a competent person or persons/organisation to undertake the works set out within the approved WSI.*

Reason- In accordance with NPPF Section 16, Paragraph 205 - To record and advance understanding of heritage assets impacted on by the development and to make information about the heritage interest publicly accessible.

1.6 Consultation with Ian Miller at Greater Manchester Archaeological Advisory Service (GMAAS), as archaeological advisors to Manchester City Council, was undertaken in September 2022 and November 2023 regarding the later, separate planning application for the redevelopment of the site (planning reference 133700/FO/2022). This consultation updated the archaeological advice for the site as a whole to amend the requirement for archaeological trial trench evaluation to archaeological monitoring (watching brief).

1.7 Further consultation with Benjamin Dyson at GMAAS, undertaken in December 2023, has confirmed that an archaeological trial trench evaluation is appropriate and that the trial trenching will concentrate on evaluating the presence of the medieval route of Ten Acres Lane near the western boundary of the development site, and the western and eastern brickworks within the development site (see Drawing G10279.002).

1.8 This WSI sets out the proposed methodology for archaeological evaluation (trial trenching) within the development site. A survey of the flag stone wall mentioned in the planning condition is not included in this WSI. The flag stone wall is located along the canal outside the northern boundary of the development site and will not be impacted by the proposed development.

1.9 This WSI has been prepared by The Environment Partnership (TEP) Ltd, a Registered Organisation (RO) with the Chartered Institute for Archaeologists (CIfA) in accordance with CIfA guidance (CIfA, 2020, 2022 and 2023). It has been authored and approved by a member of CIfA.

1.10 The archaeological evaluation will be undertaken by appropriately qualified archaeologists, referred to as the 'Archaeological Contractor' throughout this report.

Aims and Objectives

1.11 The programme of archaeological works has been designed to evaluate the archaeological remains present within the proposed development site. The aim of the evaluation is to gather sufficient information to establish the extent, condition and date (as far as circumstances permit) of any archaeological features.

1.12 This approach is in accordance with paragraphs 195 and 205 of the National Planning Policy Framework (NPPF, 2023).

1.13 The research objectives of the programme of work will be determined by what, if any, archaeological remains are present within the development footprint. However, subsequent assessment and analysis will be in accordance with relevant objectives outlined in the North West England Regional Research Framework. The objectives could include the following:

- Ind53: What can archaeology tell us about the production and use of consumer products and their typologies from the late 18th to early 20th centuries?

2.0 Policy, Standards and Guidance

National Planning Policy

2.1 The National Planning Policy Framework (NPPF, 2023) has three overarching objectives to achieve its aim of sustainable development. This includes an environmental objective – to contribute to protecting and enhancing our natural, built and historic environment (Chapter 2, paragraph 8).

2.2 Chapter 16 of the NPPF (2023) then goes on to describe provisions specifically relating to conserving and enhancing the historic environment.

2.3 Paragraph 194 advises local planning authorities to require an applicant to describe the significance of any heritage assets affected by their proposal, including any contribution made by their setting. It states that "*the level of detail should be proportionate to the assets' importance and no more than is sufficient to understand the potential impact of the proposal on their significance".* In addition, *"Where a site on which development is proposed includes, or has the potential to include, heritage assets with archaeological interest, local planning authorities should require developers to submit an appropriate desk-based assessment and, where necessary, a field evaluation*".

2.4 Paragraph 205 states that *"local planning authorities … should require developers to record and advance understanding of the significance of any heritage assets to be lost (wholly or in part) in a manner proportionate to their importance and the impact, and to make this evidence (and any archive generated) publicly accessible*". The request for pre-determination works attached to the planning application, and this corresponding WSI, are in accordance with this policy provision of the NPPF.

Local Planning Policy

Manchester Core Strategy 2012 to 2027, adopted July 2012

2.5 The core strategy, adopted in 2012, outlines Manchester City Council's vision for the development of Manchester to 2027. Within the strategy, the policy relevant to the historic environment is Policy EN3 Heritage.

2.6 With Policy EN3 Heritage, Manchester City Council encourages development that complements heritage features and supports the preservation and enhancement of the historic environment, including scheduled monuments, listed buildings, registered parks and gardens, conservations areas and archaeological remains.

Guidance

2.7 The guidance most relevant to this WSI is provided in:

- Chartered Institute for Archaeologists 2023, *Standard for archaeological field evaluation*
- Chartered Institute for Archaeologists 2023, *Universal guidance for archaeological field evaluation*

- Chartered Institute for Archaeologists 2020, *Standard and Guidance for the collection, documentation, conservation and research of archaeological materials*
- Chartered Institute for Archaeologists 2020, *Standard and Guidance for the creation, compilation, transfer and deposition of archaeological archives*
- Historic England 2015, *Management of Research Projects in the Historic Environment (MoRPHE)*

Monitoring

2.8 The implementation of the works outlined in this WSI will be monitored by Ben Dyson, Senior Planning Archaeologist of the Greater Manchester Archaeological Advisory Service (GMAAS) on behalf of Manchester City Council. The Senior Planning Archaeologist will be given suitable notice of the commencement of works on site and be kept up to date with progress during all phases of the archaeological works.

2.9 All archaeological fieldwork will be undertaken by a suitably qualified archaeologist, working under the direction of a full Member of the Chartered Institute for Archaeologists, or equivalently qualified project director.

3.0 Background

Site Geology and Topography

3.1 The solid geology is recorded by the British Geological Survey as Collyhurst Sandstone Formation - Sandstone overlain by superficial deposits of Till, Devensian - Diamicton.

3.2 The site is slightly sloping at an elevation of approximately 88m above Ordnance Datum (aOD) in the north-east and approximately 80m aOD in the south-west.

Archaeological and Historical Background

3.3 The archaeological and historic background has been provided in a historic environment desk-based assessment, which was completed in November 2011 (Hudson, 2011). Data was gathered of all designated and non-designated heritage assets within a 500m study area of the development site. A brief summary is provided here.

Prehistoric

3.4 While it is likely that the area was inhabited from the Mesolithic, the earliest inhabitants known by name were the Brigantes, an Iron Age tribe that held territory in Northern England including the area of Manchester. There are no known heritage assets dating to the Prehistoric periods within the study area.

Roman

3.5 During the Roman period, Manchester was established as a Roman fort called *Mamacium*, constructed along the River Medlock. The fort was connected to a road system, linking *Mamacium* to Chester, Wigan, Ribchester, Ilkley, York and other Roman positions in Northern England. Within the study area, there is evidence of the Roman roads approximately 170m to the south and 410m to the east of the proposed development site.

Early Medieval

3.6 Evidence of the Early Medieval period in the area is limited. The 919AD entry in the Anglo-Saxon Chronicle indicates that King Edward ordered Manchester to be occupied and maintained by the people of Mercia. There are no known heritage assets dating to the Early Medieval period within the study area.

Medieval

3.7 By the Norman Conquest, focus of settlement in the area of Manchester had transferred to the confluence of the rivers Irwell and Irk (Kidd, 2006) but the Roman road network remained essentially unaltered (Morris, 1983). At the time of the Domesday Survey, the proposed development site was located within the Hundred of Salford between Manchester to the west and Ashton-under-Lyne to the east.

Post Medieval and Modern

3.8 In the Post Medieval period, Newton Heath became a major area of industry. Several industrial sites are recorded within the study area, including printing and textile works approximately 150m to the south and a mill and brewery approximately 200m to the north-east. Three Grade II Listed Buildings within the study area also date to the Post Medieval period, including the Church of All Saints (List Entry Number 454821) and its railings and gateways (List Entry Number 454822) 355m to the east of the proposed development site, and the Newton Silk Mill (List Entry Number 388192) 270m to the north-east.

3.9 Four non-designated heritage assets of the Post Medieval period are also recorded within the development site, all related to the brickwork industry. The spatial footprint of the brickmaking industry within the development site expanded in the early parts of the 20th century, as indicated by historic maps.

3.10 According to mapping evidence, there were large pits in the centre of the development site for the extraction of clay to serve the brickworks at the eastern and western ends of the development site. The western brickworks had gone out of use by 1932 and the area converted to sports grounds. The eastern brickworks continued into the late 1970s but are no longer present in historic mapping from the 1980s. The extraction pits in the centre of the development site were included on historic mapping until 2006 and were presumably filled in in the 21st century.

<u>Ground Investigations</u>

3.11 The development site has been subject to a number of ground investigations, most recently in 2022. The trial pit logs indicate that the entire development site has been subject to quarrying and subsequent landfilling, with these deposits comprising clay/gravel with large quantities of red brick/concrete etc. inclusions.

3.12 A trial pit in the area of the western brickworks (TP246 - co-ordinates E387317.38 N400180.60) recorded a layer of red bricks at 0.5m below ground level.

4.0 Methodology of Archaeological Works

Archaeological Trial Trench Evaluation

4.1 At present, the development site comprises 19.1ha of vegetation-covered land. As seen in aerial imagery, several paths traverse the site.

4.2 The archaeological works will comprise the excavation of 7no. trenches within the development site, located in the areas of the former Medieval route of Ten Acres Lane and the former brickworks in the east and west of the development site (see G10279.002).

4.3 The number and placement of the trenches is based on consultation with the Senior Planning Archaeologist and informed by historic mapping. The trench locations and dimensions are shown on Drawing G10279.002 and described in Table 4.1.

Table 4.1 Trench Locations and Dimensions

Trench Number	Investigating	Length (m)	Width (m)	Area (m2)	Start Co-ordinate (X, Y)	End Co-ordinate (X, Y)
T1	Ten Acres Lane	25	1.8	45	387181.8, 400163.9	387202.3, 400178.2
T2	Ten Acres Lane	25	1.8	45	387233.7, 400136.6	387213.2, 400122.3
T3	Western Brickworks - Drying sheds, chimney & heating systems	50	1.8	90	387219.3, 400186.8	387260.6, 400214.9
T4	Western Brickworks - Kiln bank & earliest buildings	60	3.6	216	387237.8, 400163.8	387288.2, 400196.3
T5	Western Brickworks - Potential drying shed	40	1.8	72	387255.8, 400156.9	387289.1, 400179.1
T6	Eastern Brickworks	60	1.8	108	387847.9, 400371.9	387895.9, 400407.8
T7	Eastern Brickworks - earliest buildings	90	3.6	324	387832.2, 400339.3	387913.4, 400378.1

4.4 All field work will be carried out by suitably qualified archaeologists, working under the direction of a full Member of the Chartered Institute for Archaeologists, or equivalently qualified project director. An environmental engineer will also be in attendance due to the presence of landfill materials.

4.5 Should significant remains be identified, the Senior Planning Archaeologist will be informed and consulted. If deemed appropriate, a programme of archaeological strip, map and record (SMR) will be undertaken in selected areas. The SMR will be subject to a separate WSI.

Method of Excavation

4.6 Prior to the archaeological trial trenching, a visual inspection of the areas to be evaluated will be undertaken by the Archaeological Contractor.

4.7 The trial trenches will be set out using a GPS. The trial trenches will be mechanically excavated using an appropriate powered machine fitted with a 1.8m toothless ditching bucket. Under archaeological instruction the topsoil and overburden will be removed down to the first significant archaeological horizon in successive level spits of a maximum 0.1m thickness, or the natural geology, whichever occurs first.

4.8 In the event that the depth of the first significant archaeological horizon or natural geology exceeds 1m, additional safety measures will be required. The measures will either be in the form of shoring that supports the sides of the trench, or else stepping out the sides 1m for every 1m of depth.

4.9 All machine work will be carried out under direct archaeological supervision and the machine will be halted if significant archaeological deposits are encountered. The top of the first significant archaeological horizon can be exposed by the machine but will then be cleaned by hand and inspected for features and then hand excavated. At each soil horizon change, the supervising archaeologist will indicate to the machine driver that each stratum should be stored separately.

4.10 All archaeological remains will be hand excavated in an archaeologically controlled and stratigraphic manner sufficient to meet the aims and objectives of the project. The excavation will record the complete stratigraphic sequence, down to naturally occurring deposits and will investigate and record all inter-relationships between features.

4.11 Where structural remains are identified, they will be left standing and any surrounding material hand-excavated down in spits leaving the structural remains intact for recording. Structural remains or floor surfaces may be removed to allow investigation of underlying features of deposits only after they have been sufficiently recorded and the Senior Planning Archaeologist informed, and approval for their removal confirmed in writing.

4.12 All artefacts will be retained for processing and analysis except for unstratified 21st century material, which can be noted and discarded. Finds will be stored in secure, appropriate conditions.

Method of Recording

4.13 The Archaeological Contractor will make appropriate pre-and post-excavation site records. The archaeological works will be recorded according to the normal principles of stratigraphic excavation. The stratigraphy of each trial trench will be recorded even where no archaeological deposits have been identified. Where no archaeological features are present representative sections will be recorded and illustrated in the report

4.14 All finds and features will be accurately located and planned accurately at appropriate scales. Structural remains will be excavated in sufficient detail to establish their construction sequence and any phases of repairs or extensions. All stratigraphic associations are to be recorded. Where possible, structural remains will be related to former buildings visible on historic mapping.

4.15 Discrete features will be half-sectioned, or fully excavated if features are part of recognisable structures, contain deposits or artefacts of particular value, or likely to hold significant artefact or environmental assemblages. 10% of each linear feature should, where possible, be excavated plus terminals and intersections, with slots measuring at least 1m in width wherever possible. Intersections will be investigated to establish strategic relationships.

4.16 Sections will be drawn at a scale of 1:10 or 1:20, as appropriate. All records will be undertaken using pro forma record sheets.

4.17 Environmental bulk samples (usually 40 litres) will be taken where the deposit is likely to contain significant environmental assemblage. Representative sections of linear and curvilinear features will be sample excavated away from intersections or other features or deposits, to obtain unmixed samples of material.

4.18 Sampling strategies will be in accordance with the Archaeological Contractor fieldwork manual and described in their method statement as well as the requirements of GMAAS.

Photography

4.19 All site photographs will be taken using a digital SLR camera with a sensor of a minimum of 12 megapixels. Each image will be supplied as both a JPEG and a TIFF versions (version 6 file of not less than 25Mbs). The Archaeological Contractor will also include metadata embedded in the TIFF file, which will include the following: the commonly used name for the site being photographed, the relevant centred OS grid coordinates for the site to at least six figures, the relevant township name, the date of photograph, the subject of the photograph, the direction of shot and the name of the organisation taking the photograph.

4.20 All photography will be undertaken in accordance with Historic England guidance, *Digital Image Capture and File Storage: Guidelines for Best Practice*, 2015.

4.21 All site photography must:

- be taken in colour.
- include a north arrow.

- include a legible information board displaying the site code or accession number and the principal context number.
- include a suitable scale bar.

Use of Metal Detectors on Site

4.22 The site will be scanned during machine excavation to attempt to obtain a sample of artefacts from the top and sub–soils. The exposed site and, spoil heaps will also be scanned for both ferrous and non-ferrous metal artefacts using a metal detector capable of making this discrimination, operated by an experienced metal detector user (if necessary, operating under the supervision of the contracting archaeologist). Modern artefacts are to be noted but not retained (19th-century material and earlier will be retained).

4.23 The make and model of the instrument used will be given in the methodology section of the Archaeology Contractor's report and metal detected finds identified in the relevant section.

Unexpectedly Significant or Complex Discoveries

4.24 Should the works encounter unexpectedly significant or complex discoveries made that warrant, in the professional judgement of the archaeologist on site, more detailed recording than is appropriate within the terms of the WSI, then TEP will contact the Manchester City Council with the relevant information to enable them to resolve the matter with the client.

4.25 Should archaeological remains of possible national archaeological significance be observed, fieldwork will cease on the relevant part of the site until these remains have been inspected by GMAAS, and the Historic England Inspector of Ancient Monuments for North West England.

General

Finds

4.26 On completion of the fieldwork, any samples taken will be processed and any finds will be cleaned, identified, assessed/analysed, dated (if possible), marked (if appropriate) and properly packed and stored in accordance with the requirements of national guidelines and best practice.

4.27 All finds or environmental samples recovered during the archaeological works will be assessed and reported on by internal and external specialists of the Archaeological Contractor.

4.28 All finds will be treated in accordance with current best practice as set out in CIfA and Historic England guidance.

Human Remains

4.29 If human remains are encountered during the excavation, they will be left in situ and the Senior Planning Archaeologist, and the coroner notified. If it is deemed appropriate to excavate human remains, this will be done in accordance with appropriate Historic England and Chartered Institute for Archaeologists guidance (e.g., *CIfA Updated Guidelines to the Standards for Recording Human Remains*, 2017). Excavation, removal from site, analysis and final placing will all be subject to the requirements of the appropriate Ministry of Justice licence and any local environmental health regulations.

Treasure

4.30 If any artefacts are encountered that would constitute 'treasure' as defined by The Treasure Act, 1996 and the Treasure (Designation)(Amendment) Order 2023, they will be reported to the local Coroner and relevant Finds Liaison Officer. Any artefacts deemed to be Treasure should be excavated on the day they are discovered and removed to a secure site. If this is impractical, then appropriate security provided until full excavation and removal can occur.

Palaeoenvironmental sampling and analysis

4.31 The palaeoenvironmental assessment aims to identify areas within the development site where conditions are such that deposits suitable for the study of past environments are preserved. These most commonly occur in the form of subsurface peat layers but are also taken to include all waterlogged deposits. The identification of any suitable areas for sampling will take place during the archaeological evaluation.

4.32 Should any such deposits exist within the area of impact, samples will be taken by a suitably qualified specialist sub-contractor. The samples would be assessed for their potential by internal or external specialists of the Archaeological Contractor, and suitable techniques applied to sub-sample from select cores to determine the preservation and taxonomic diversity within the samples. This is likely to include assessing for one or more of the following:

- Pollen (focussing on organic units)
- Diatoms (focussing upon lithological transitions within and at the base of the Holocene sediment stack)
- Foraminifera (focussing on mineral strata and in particular on transitions)
- Plant macro-remains (focussing on organic units)

4.33 Having assessed the potential for analysis a project design will be produced that will provide a detailed proposal for analysis (including, for example, C14 dating, loss-on-ignition to measure organic carbon content, humification and mass specific magnetic susceptibility) of any present selected samples.

4.34 If necessary and appropriate the advice of the Historic England Science Advisor for North West England will be sought.

Programme

4.35 It is anticipated that the works will happen in accordance with the following programme:

- January 2024 - submit WSI for approval by Manchester City Council
- TBC - undertake archaeological works
- +4 weeks - report
- +8 weeks - deposit archive

Organisation and Key Personnel

4.36 TEP is a Registered Organisation with the CIfA. The heritage team is under overall management of **Jason Clarke BSc MA MCIfA, Associate Director - Heritage (TEP).**

4.37 The archaeological works will be undertaken by an appropriately qualified, CIfA Registered Organisation, Archaeological Contractor.

4.38 A projected timetable for work on site, including machine hire time and staff structure and numbers, and for all post excavation work, including staff numbers and specialist sub-contractors will be provided by the Archaeological Contractor in the form of a separate RAMS document.

5.0 Reporting

5.1 In accordance with the principles of *Management of Research Projects in the Historic Environment (MoRPHE)* (Historic England 2015) and the *Management of Archaeological Projects, 2nd Ed (MAP2)* (English Heritage 1991), a programme of assessment and reporting will be undertaken, following completion of the archaeological evaluation fieldwork.

5.2 In the event of negative, or non-complex findings, a report will be produced detailing the results of the fieldwork within four weeks of the end of the fieldwork and archived within six months. The report will include:

- a front cover to include the NGR, and HER reference number,
- a concise, non-technical summary of the results,
- the circumstances of the project and the dates on which the fieldwork was undertaken,
- description of the methodology, including the sources consulted,
- a very brief summary of the historical background of the study area,
- a statement, where appropriate, of the archaeological implications of the impact,
- tabulations of data in relation to site phasing and contexts,
- a copy of this project design, and indications of any agreed departure from that design,
- a complete bibliography of sources from which data has been derived, and a list of any further sources identified but not consulted,
- a site location plan related to the national grid,
- appropriate plans showing the location and position of features located,
- plans and sections showing the positions of deposits and finds,
- illustrative photographs as appropriate,
- coordinates (NGR) of relevant sites if archaeological remains have been discovered.

5.3 In the event of archaeologically significant finds, the results of fieldwork combined with subsequent archaeological evaluation and mitigation will also be published in a relevant and appropriate journal, or other publicly disseminated publication, as appropriate.

5.4 Section drawings will be provided in all evaluation trenches which contain archaeological features (at a minimum scale of 1:20). These will include heights O.D. Plans (at a minimum scale of 1:50), and O.D. spot heights for all principal strata and any features. Drawings of one long section of trenches without archaeological deposits will also be provided.

5.5 Artefact analysis will include the production of a descriptive catalogue, quantification by context and discussion/interpretation if warranted, with finds critical for dating and interpretation illustrated.

5.6 Environmental analysis will include identification of the remains, quantification by context, discussion/interpretation if warranted, and a description of the processing methodology. Radiocarbon results will be presented in full (laboratory sample number, conventional radiocarbon age, delta C13 value, calibration programme). Copies of the laboratory-issued dating certificates will be included as an appendix to the report.

5.7 Pottery reports will refer to the appropriate type series.

6.0 Archive

6.1 A digital copy of the report will be submitted to the Greater Manchester Historic Environment Record (GMHER). If required, a copy of the report provided as a PDF on disk, and as hard copies, will also be submitted to the GMHER.

6.2 An archive of the results of the archaeological work will be produced, in accordance with current English Heritage guidelines (*Management of Archaeological Projects, Appendix 3, 2nd edition, 1991*) and Chartered Institute for Archaeologists *Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives* (CIfA, 2020). The archive will contain any site matrices, and summary reports of the artefact record, context records, and any other records or materials recovered.

6.3 A suitable collecting repository will be contacted in advance of the works starting in order to request an accession number and to seek advice of the arrangements to be made for deposition of the project archive and any associated charges.

6.4 The original record archive of projects (paper, magnetic and plastic media), and a full copy of the record archive (microform or microfiche), together with the material archive (artefacts, ecofacts, and samples) will be deposited with the relevant local archive. Following the completion of the work, the digital archive will be deposited with the Archaeological Data Service (ADS).

6.5 Details of the work will be entered on the OASIS database at https://oasis.ac.uk/. OASIS is the online system for reporting archaeological investigations and linking research outputs and archives. Reports uploaded to OASIS will become available to the public through the ADS.

6.6 Results of the project, even if negative, will be submitted for publication in appropriate academic journals. A 300-word summary statement of results will be submitted to Post Medieval Archaeology's annual roundup of fieldwork.

7.0 Health and Safety

7.1 The archaeologists on site will naturally operate with due regard for Health and Safety regulations. Where archaeological work is carried out at the same time as the work of other contractors, regard should also be taken of any reasonable additional constraints that these contractors may impose.

7.2 All work on site would be undertaken strictly in accordance with the project health and safety plan and task specific risk assessments. All companies working on the project will adhere to the client's required quality, health, safety and environment controls.

7.3 Access routes to working areas would be specified by the client and access would only be permitted to those routes and the area of the fieldwork.

7.4 All site staff, including subcontractors and visitors, will prove that they have attended a site induction and have the necessary competencies (e.g., CITB training for machine operators and CSCS cards) and any other necessary health and safety qualifications.

7.5 The archaeologists will maintain a record of site attendance for each day that they attend site for the archaeological works.

7.6 All site staff personnel will wear PPE consisting of gloves, goggles, hardhat, steel toe-capped boots with mid-sole protection and high visibility vest or jacket at all times. All equipment must be 'fit for purpose' and be maintained in a sound working condition that complies with all relevant Health and Safety regulations and recommendations, including:

- Coronavirus (COVID 19) Government Guidance for Working Safely
- Health & Safety at Work Act 1974 and
- Management of Health & Safety at Work Regulations 1999.

7.7 The Archaeological Contractor will have their own Health and Safety policies compiled using national guidelines, which conform to all relevant Health and Safety legislation and best practice. The RAMS provided by the Archaeological Contractor will include a specific section covering Coronavirus (COVID 19) for working safely.

References

Data Sources

Archaeological Data Services: http://archaeologydataservice.ac.uk/archsearch

British Geological Survey, Geology of Britain Viewer: https://www.bgs.ac.uk/map-viewers/geology-of-britain-viewer/

Greater Manchester Historic Environment Record

National Heritage List: https://historicengland.org.uk/listing/the-list/

National Library of Scotland, Map Images: https://maps.nls.uk/index.html

National Monuments Record: http://www.heritagegateway.org.uk/gateway/

North West England Regional Research Framework

Legislation and Policy

Ancient Monuments and Archaeological Areas Act, 1979

Manchester Core Strategy 2012 to 2027, adopted July 2012

National Planning Policy Framework, 2023

Planning (Listed Buildings and Conservation Areas) Act, 1990

The Treasure Act, 1996

Treasure (Designation)(Amendment) Order, 2023

Best Practice and Guidance

CIfA (2020) *Standard and guidance for the collection, documentation, conservation and research of archaeological materials*. Reading: Chartered Institute for Archaeologists.

CIfA (2020) *Standard and guidance for the creation, compilation, transfer and deposition of archaeological archives*. Reading: Chartered Institute for Archaeologists.

CIfA (2022) *Code of conduct: professional ethics in archaeology*. Reading: Chartered Institute for Archaeologists.

CIfA (2023) *Standard for archaeological field evaluation*. Reading: Chartered Institute for Archaeologists.

CIfA (2023) *Universal guidance for archaeological field evaluation*. Reading: Chartered Institute for Archaeologists.

English Heritage (1991) *The Management of Archaeological Projects, 2nd edition*. London: English Heritage.

English Heritage (2011) *Environmental Archaeology, A Guide to the Theory and Practice of Methods, from Sampling and Recovery to Post-excavation (second edition)*. Swindon: Historic England.

Historic England (2015) *Management of Research Projects in the Historic Environment: The MoRPHE Project Managers' Guide*. Swindon: Historic England.

Historic England (2015) *Digital Image Capture and File Storage: Guidelines for Best Practice*. Swindon: Historic England.

Planning Practice Guidance: Historic Environment, July 2019: https://www.gov.uk/guidance/conserving-and-enhancing-the-historic-environment

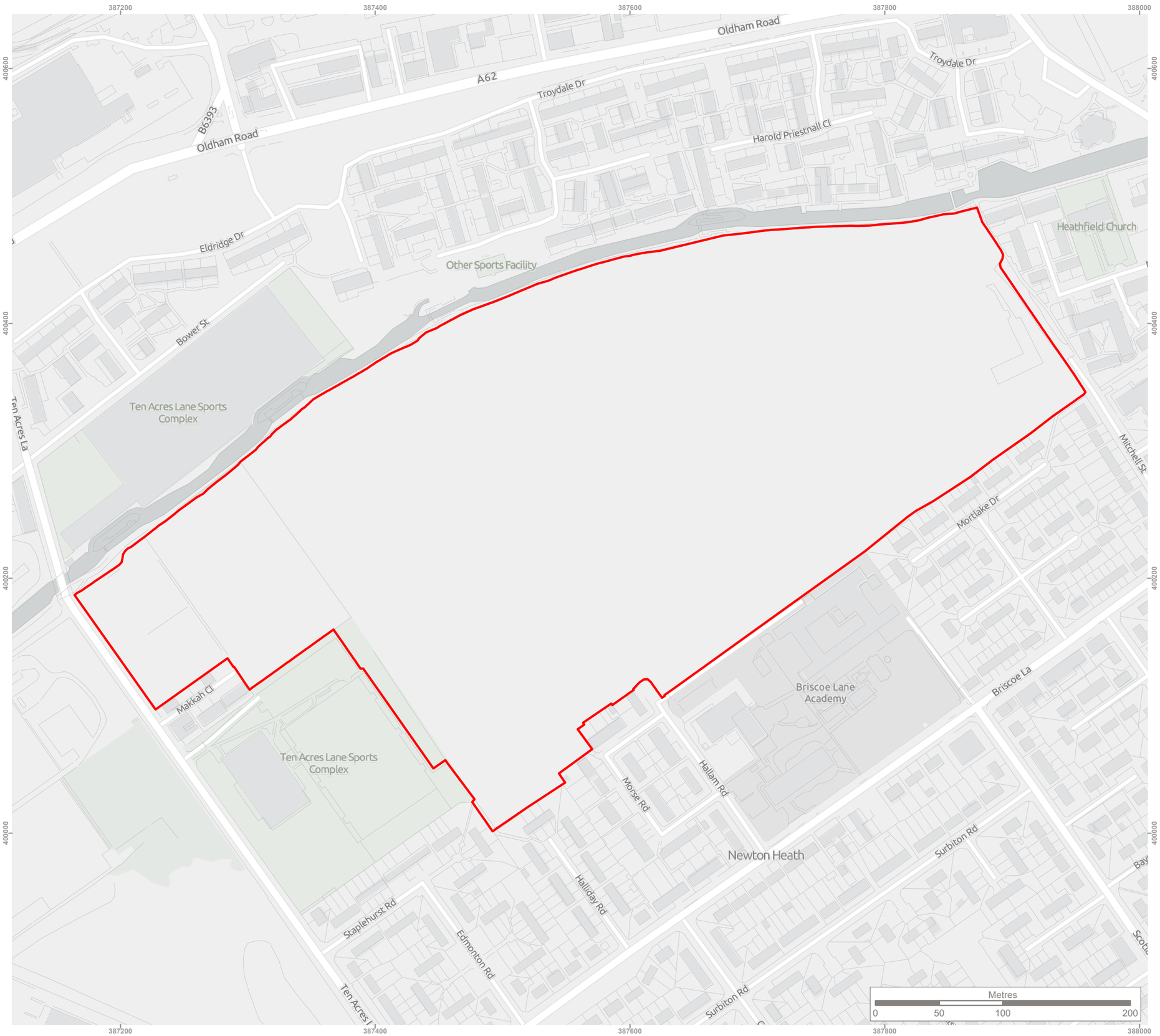
Other sources

Hudson, K. (2011) *Archaeological Desk Based Assessment: Ten Acres Lane, Newton Heath, Manchester*. Unpublished ARUP grey literature report, ref. 211585.

Kidd, A. (2006) *Manchester: A History*. Lancaster: Carnegie.

Morris, M. (1983) 'Volume 1: Medieval Manchester', in P. Holdworth (ed.) *The Archaeology of Greater Manchester*. GMAU.

APPENDIX A: Supporting Drawings



KEY

Site boundary

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Rev	Description	Drawn	Approved	Date

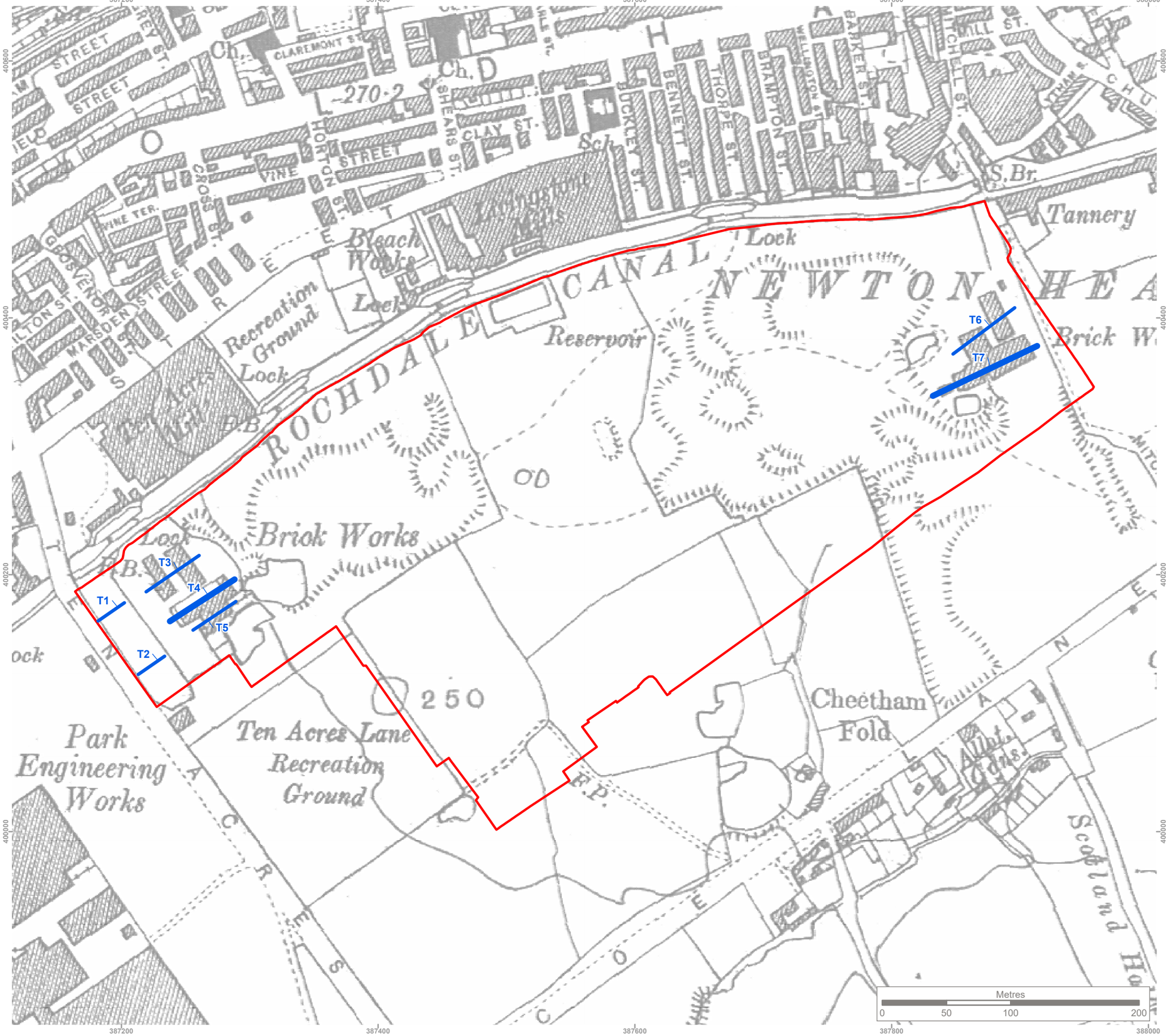
THE ENVIRONMENT PARTNERSHIP
The Reynard Suite - First Floor Offices,
Bowden Inn Farm, Market Harborough, LE16 7SA
Tel 01858 353120 e-mail tep@tep.uk.com www.tep.uk.com

Project
Former Jackson Brickworks, Manchester

Title
Site Location Plan

Drawing Number
G10279.001

Drawn	Checked	Approved	Scale	Date
IJ	AR	SD	1:3,000 @ A3	18/12/2023



KEY

Site boundary

Trench

1.8m wide

3.6m wide

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Rev	Description	Drawn	Approved	Date

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The Reynard Suite - First Floor Offices,
Bowden Inn Farm, Market Harborough, LE16 7SA
Tel 01858 353120 e-mail tep@tep.uk.com www.tep.uk.com

Project
Former Jackson Brickworks, Manchester

Title
Trench Location Plan

Drawing Number
G10279.002

Drawn	Checked	Approved	Scale	Date
IJ	AR	SD	1:3,000 @ A3	18/12/2023

APPENDIX B: Ordnance Survey Historic Mapping

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

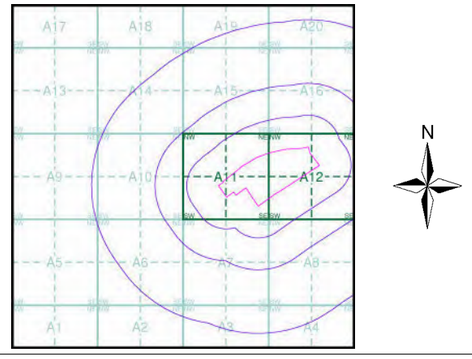
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1909 - 1910	7
Cheshire	1:10,560	1911	8
Lancashire And Furness	1:10,560	1923	9
Lancashire And Furness	1:10,560	1932 - 1933	10
Cheshire	1:10,560	1938	11
Lancashire And Furness	1:10,560	1938	12
Ordnance Survey Plan	1:10,000	1956	13
Ordnance Survey Plan	1:10,000	1966 - 1968	14
Manchester	1:25,000	1975	15
Ordnance Survey Plan	1:10,000	1978	16
Ordnance Survey Plan	1:10,000	1981 - 1982	17
Ordnance Survey Plan	1:10,000	1987	18
Ordnance Survey Plan	1:10,000	1990 - 1993	19
10K Raster Mapping	1:10,000	1999	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2020	22

Historical Map - Slice A



Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

Site at 387600, 400310

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

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

243,8 — Values for prominent elevations

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

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

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

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

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

Key to Numbers on Mapping

SD80_Manchester

No.	Description
24	Depot (Railway)
75	Factory (Locomotives And Railway Carriage Repairs)
136	Foundry (Cast Iron)
233	Factory (Textiles)

SJ89_Manchester

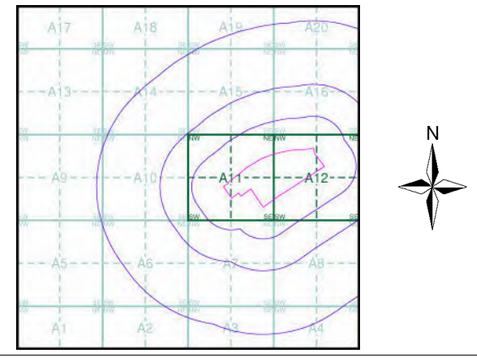
No.	Description
61	Factory (Gas)
83	Factory (Machinery)

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1909 - 1910	7
Cheshire	1:10,560	1911	8
Lancashire And Furness	1:10,560	1923	9
Lancashire And Furness	1:10,560	1932 - 1933	10
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Ordnance Survey Plan	1:10,000	1956	13
Ordnance Survey Plan	1:10,000	1966 - 1968	14
Manchester	1:25,000	1975	15
Ordnance Survey Plan	1:10,000	1978	16
Ordnance Survey Plan	1:10,000	1981 - 1982	17
Ordnance Survey Plan	1:10,000	1987	18
Ordnance Survey Plan	1:10,000	1990 - 1993	19
10K Raster Mapping	1:10,000	1999	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2020	22

Russian Map - Slice A



Order Details

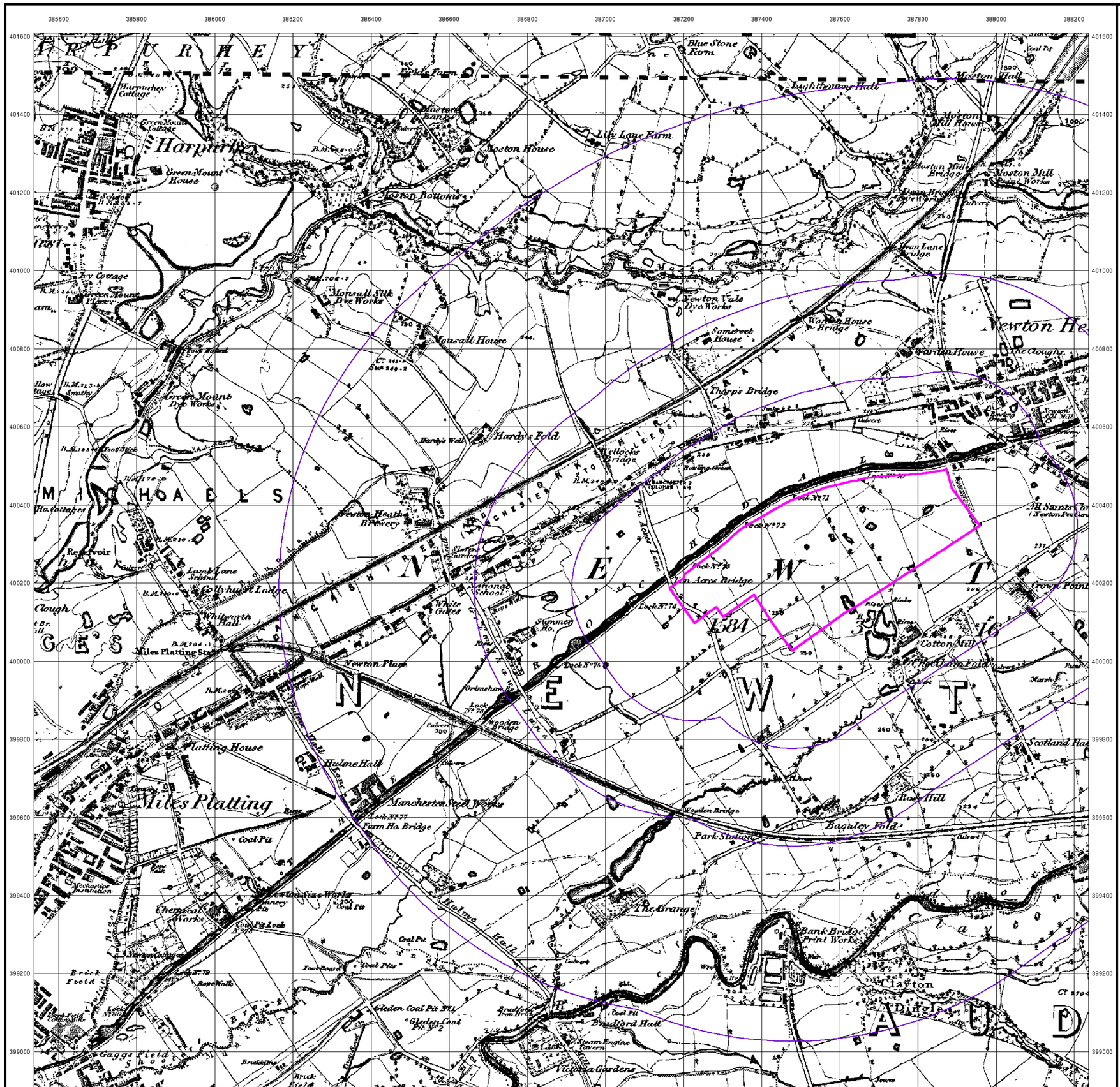
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Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

Site at 387600, 400310

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Lancashire And Furness

Published 1848

Source map scale - 1:10,560

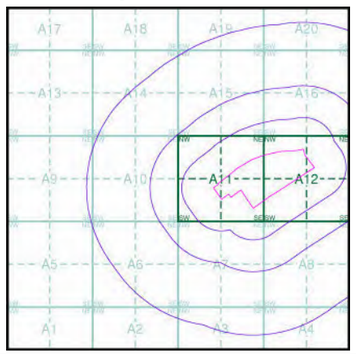
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Map Name(s) and Date(s)

09600
1848
1:10,560

10400
1848
1:10,560

Historical Map - Slice A



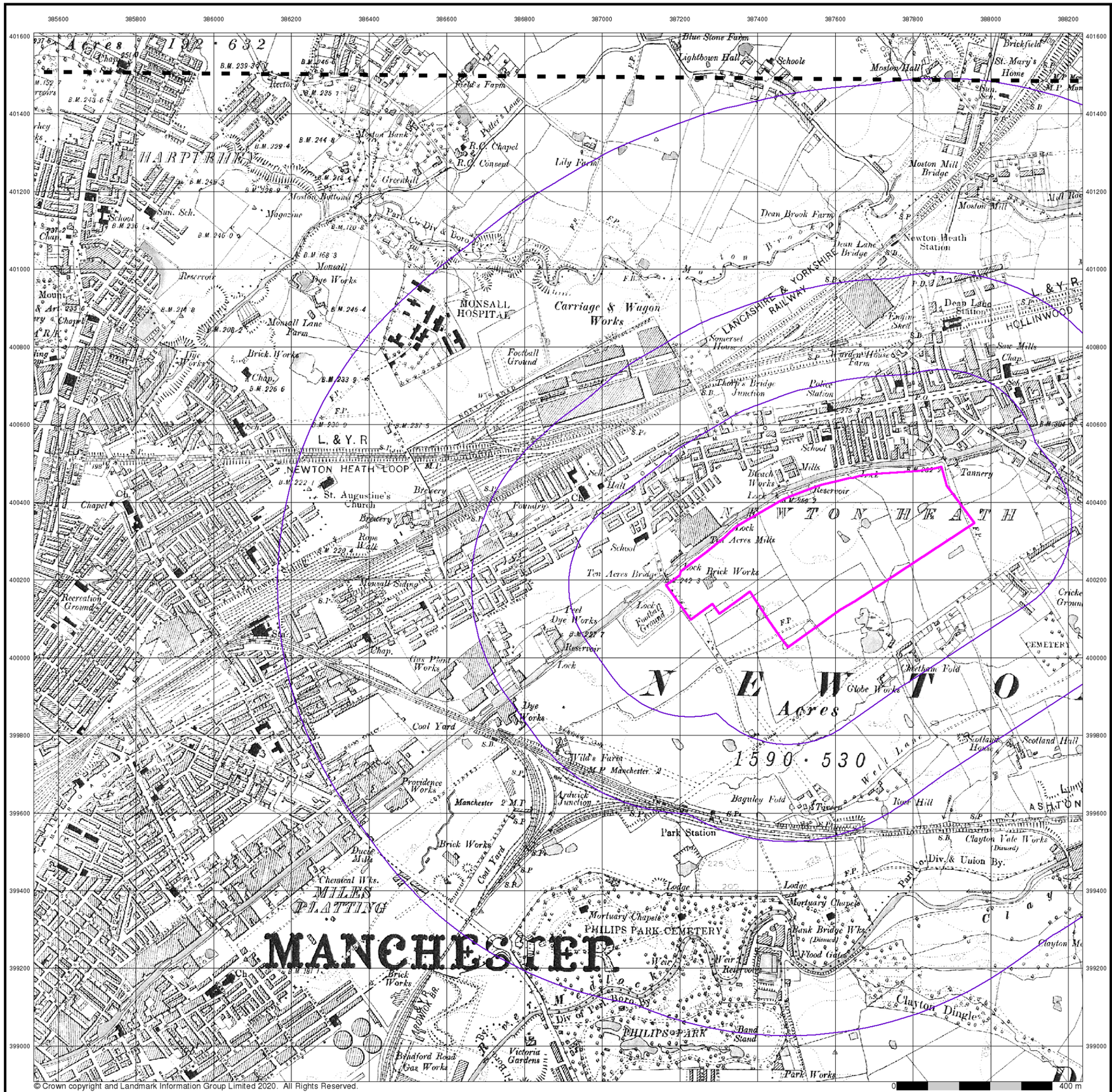
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Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

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Lancashire And Furness

Published 1894

Source map scale - 1:10,560

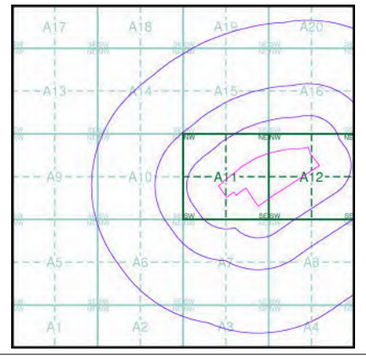
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Map Name(s) and Date(s)

096SE
1894
1:10,560

104NE
1894
1:10,560

Historical Map - Slice A



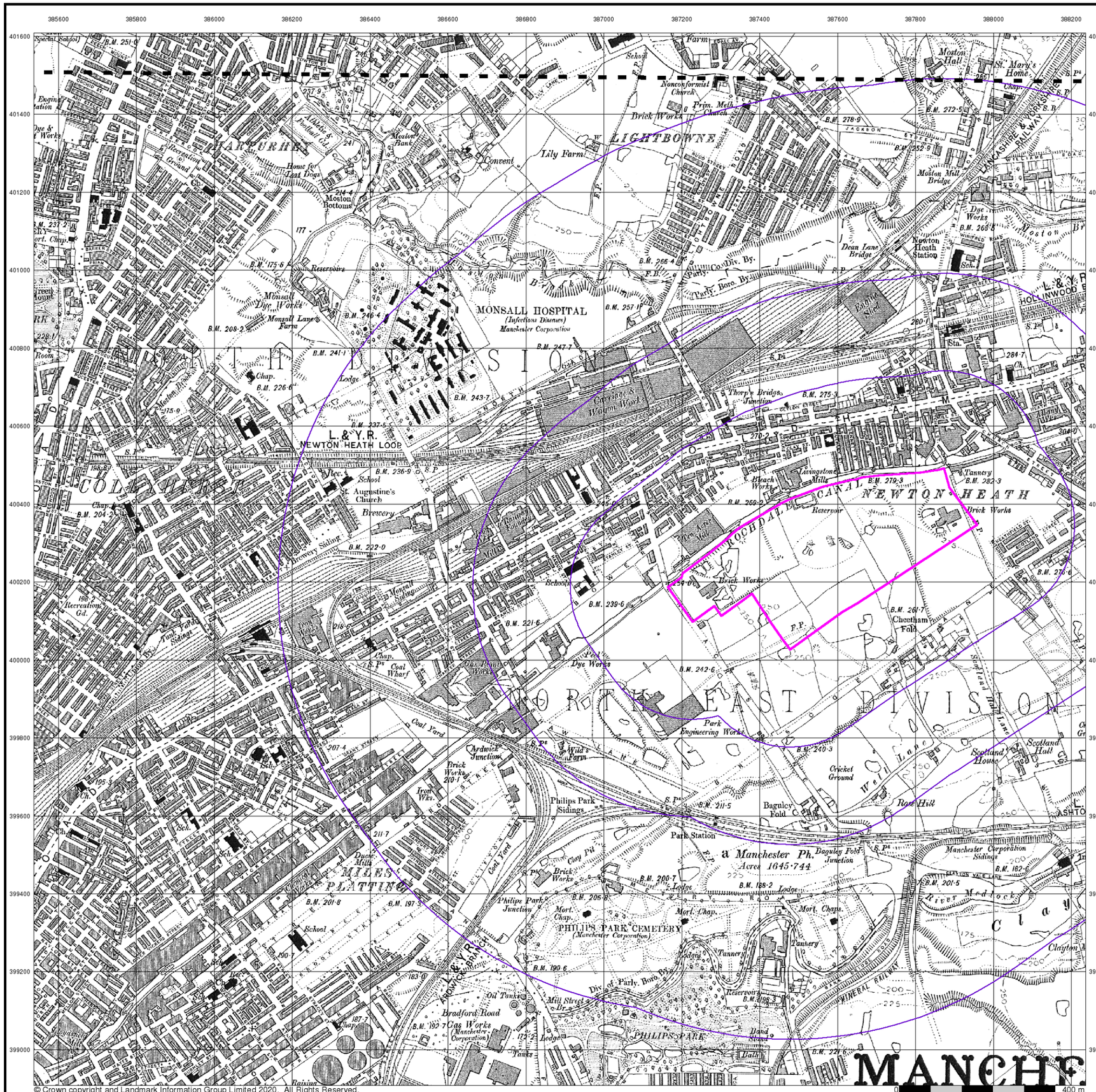
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Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

Site at 387600, 400310

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Lancashire And Furness

Published 1909 - 1910

Source map scale - 1:10,560

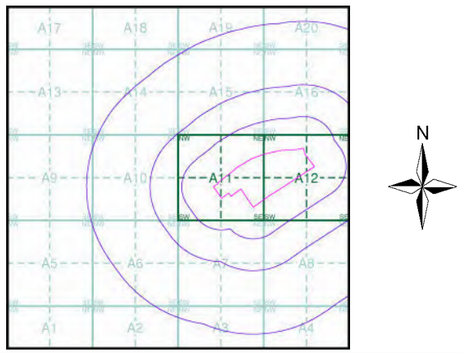
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

096SE
1910
1:10,560

104NE
1909
1:10,560

Historical Map - Slice A



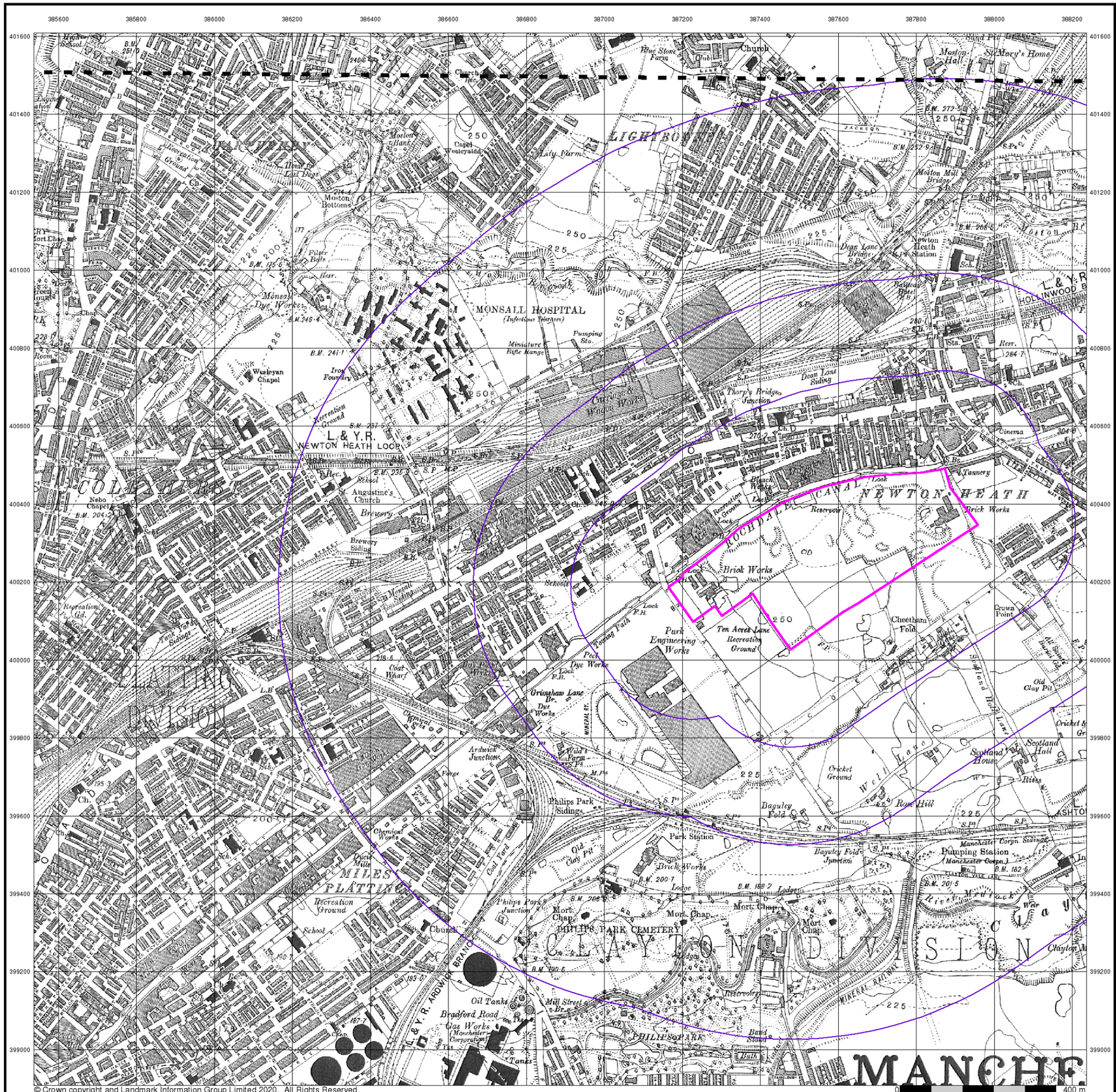
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Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

Site at 387600, 400310

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Lancashire And Furness

Published 1923

Source map scale - 1:10,560

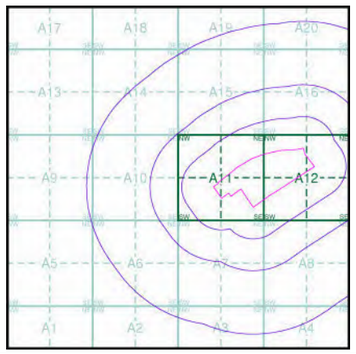
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

096SE
1923
1:10,560

104NE
1923
1:10,560

Historical Map - Slice A



Order Details

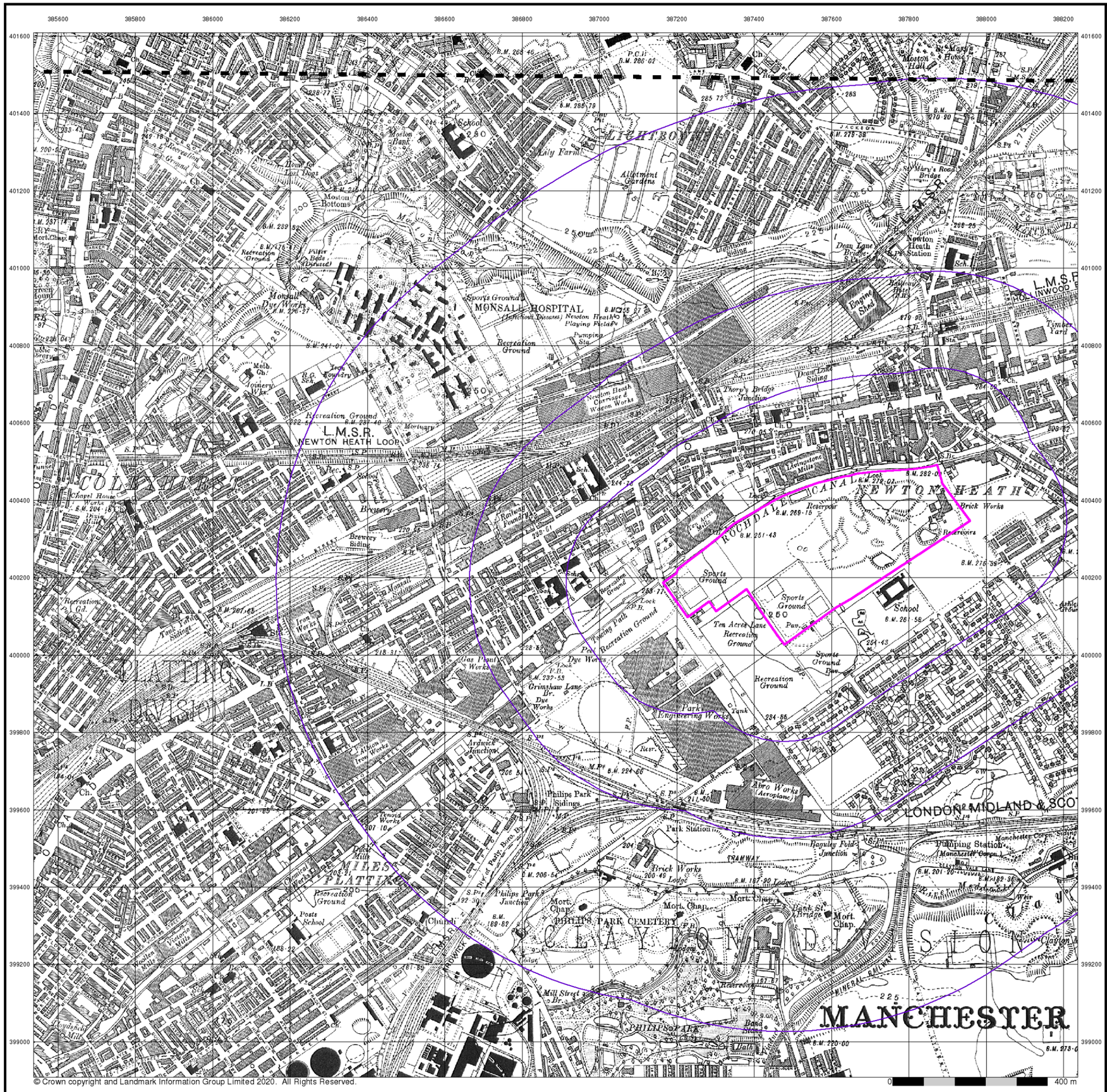
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Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

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Lancashire And Furness

Published 1932 - 1933

Source map scale - 1:10,560

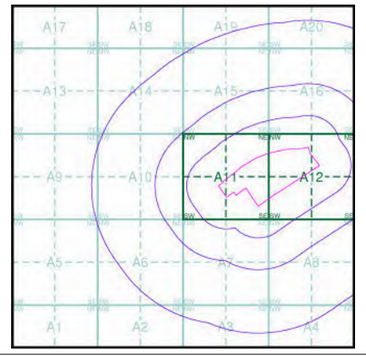
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

096SE
1933
1:10,560

104NE
1932
1:10,560

Historical Map - Slice A



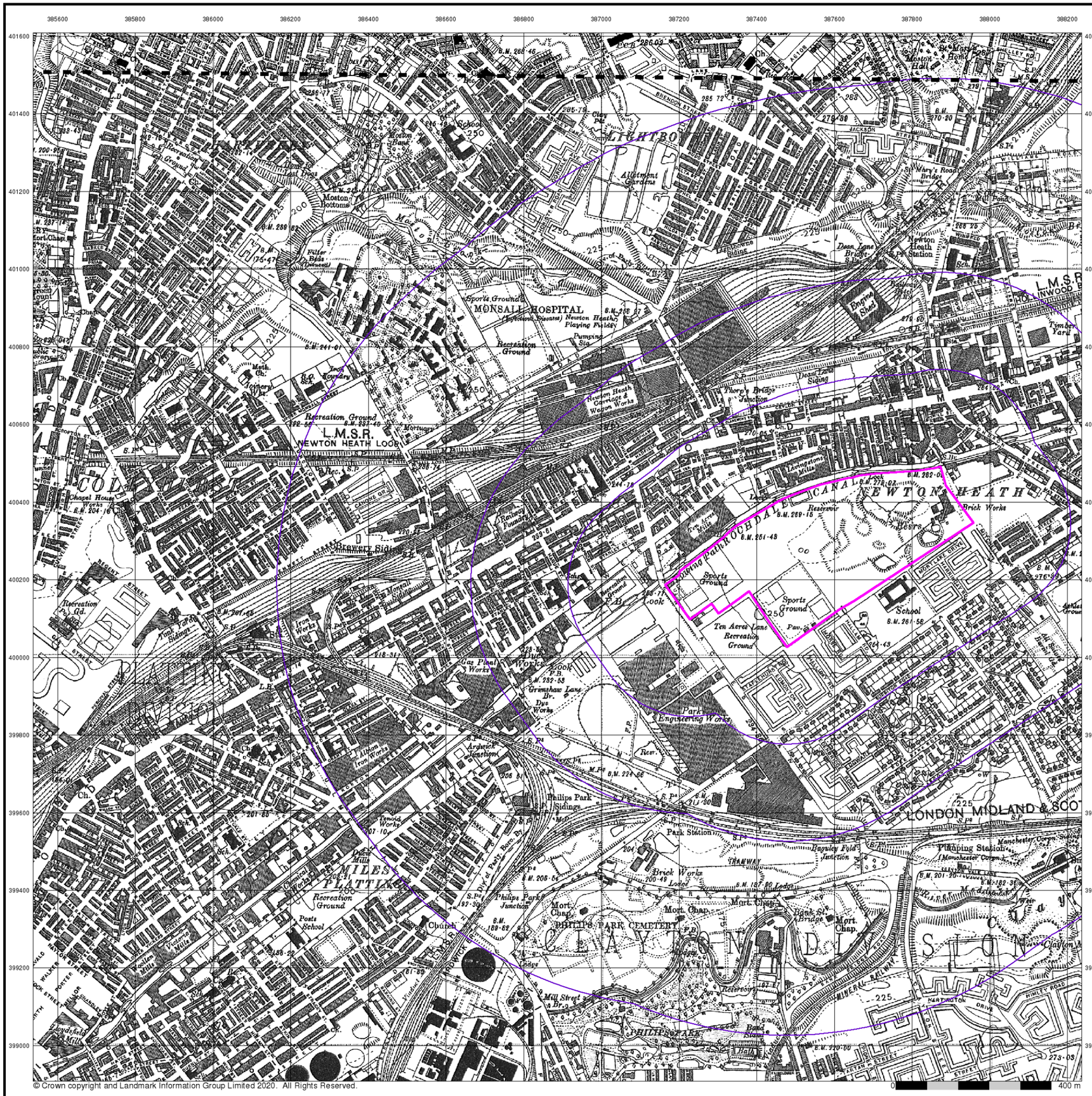
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Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

Site at 387600, 400310

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Lancashire And Furness

Published 1938

Source map scale - 1:10,560

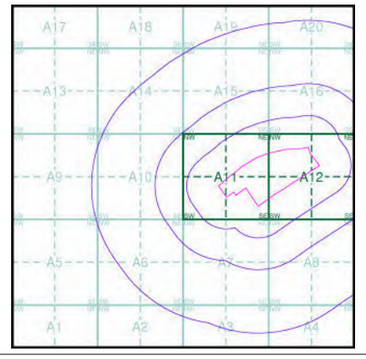
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

096SE
1938
1:10,560

104NE
1938
1:10,560

Historical Map - Slice A



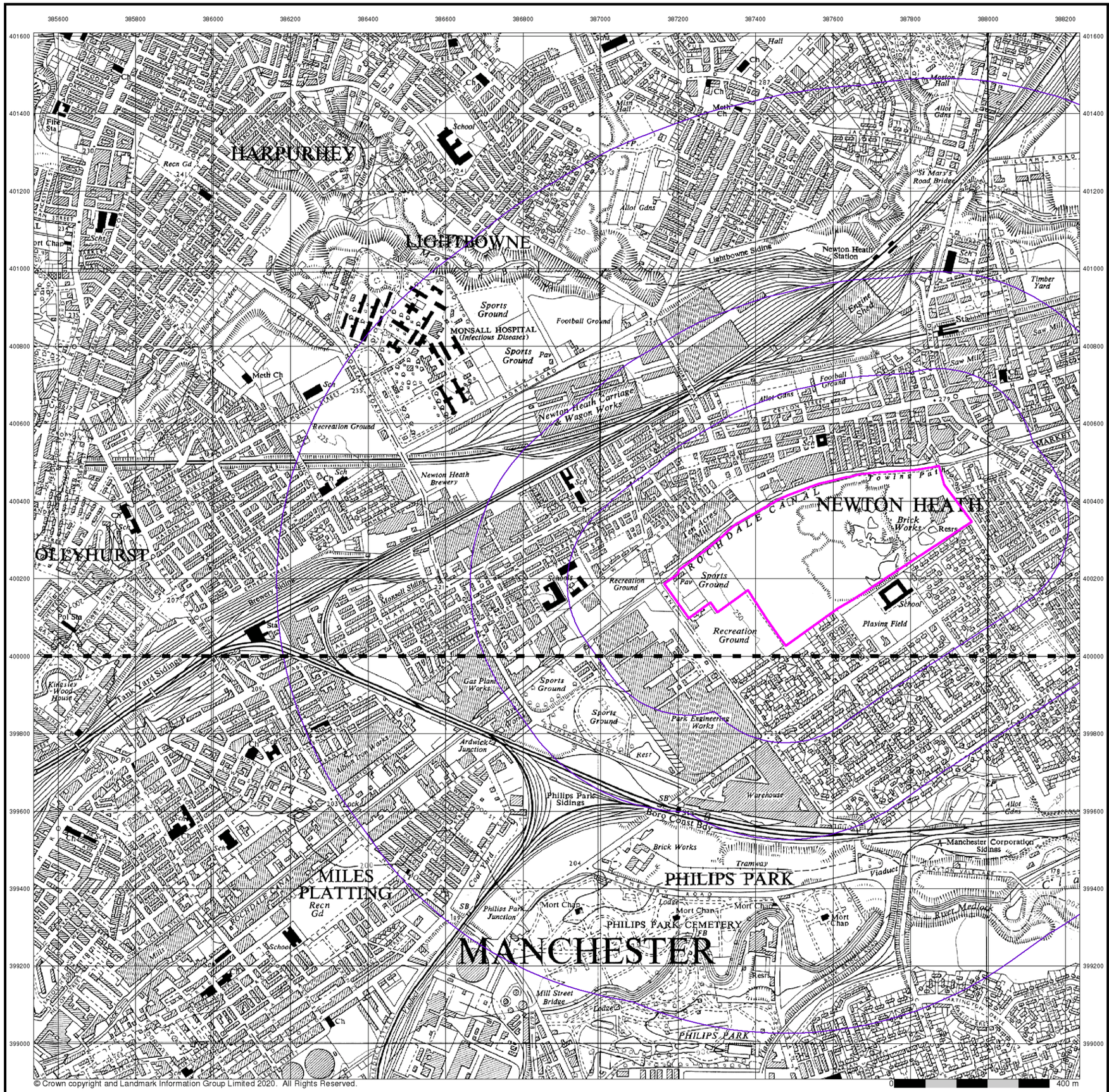
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

Site at 387600, 400310

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wardell armstrong

Ordnance Survey Plan

Published 1956

Source map scale - 1:10,000

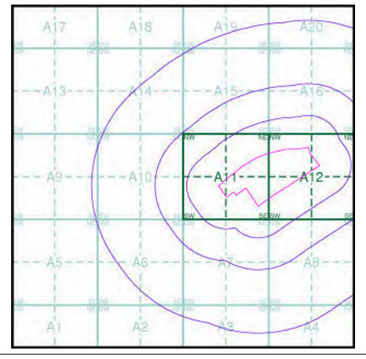
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

SD80SE
1956
1:10,560

SJ89NE
1956
1:10,560

Historical Map - Slice A



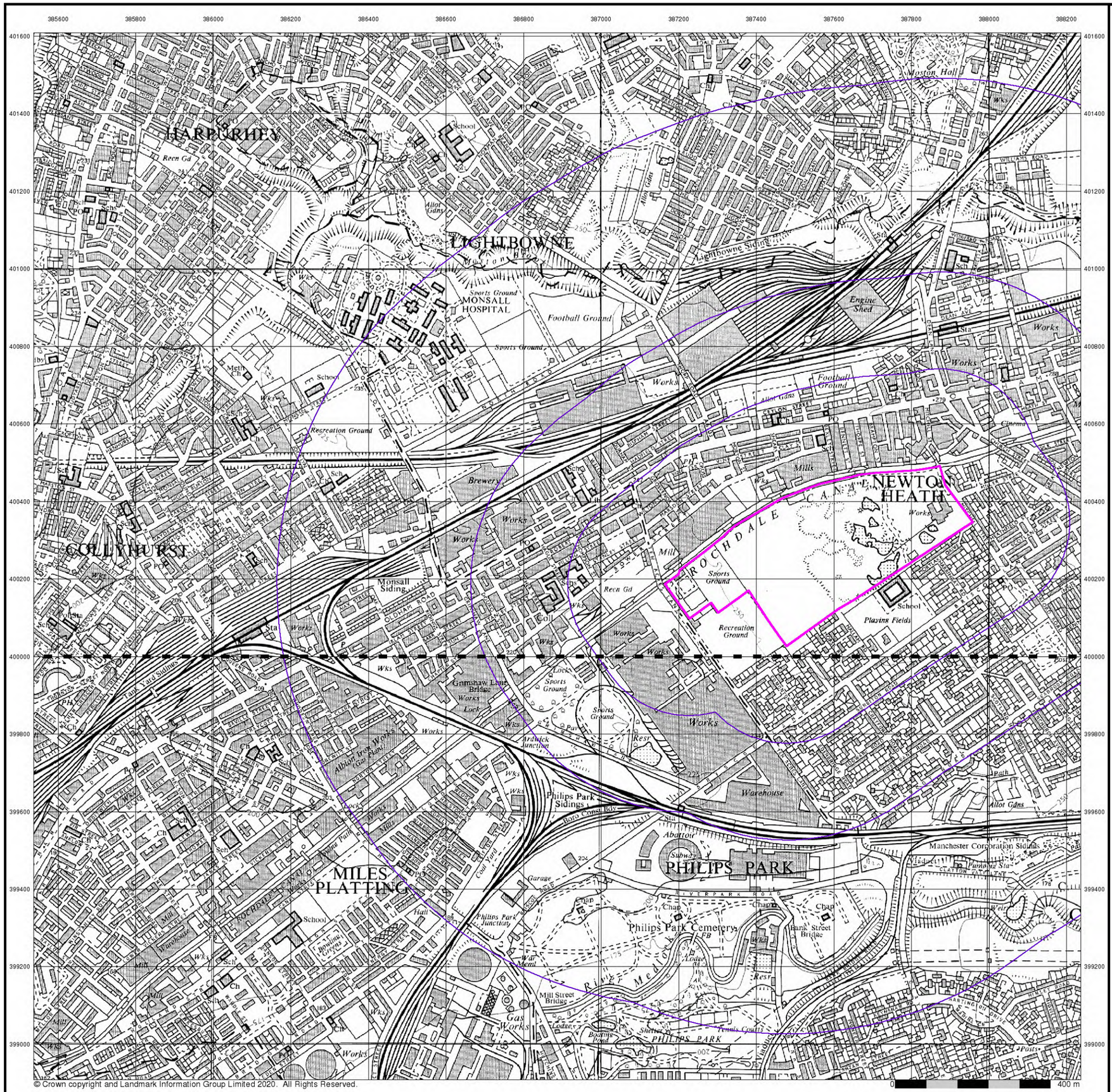
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1966 - 1968

Source map scale - 1:10,000

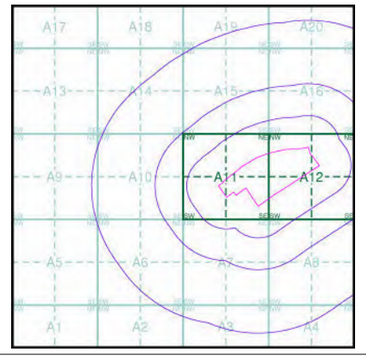
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

SD80SE
1966
1:10,560

SJ89NE
1968
1:10,560

Historical Map - Slice A



Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

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Manchester

Published 1975

Source map scale - 1:25,000

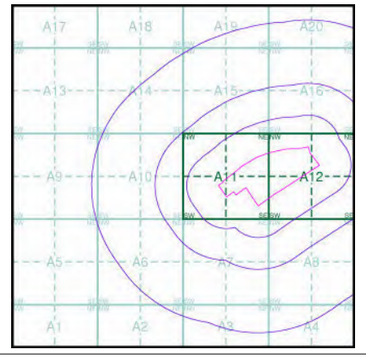
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed 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)

SD80
1975
1:25,000

SJ89
1975
1:25,000

Russian Map - Slice A



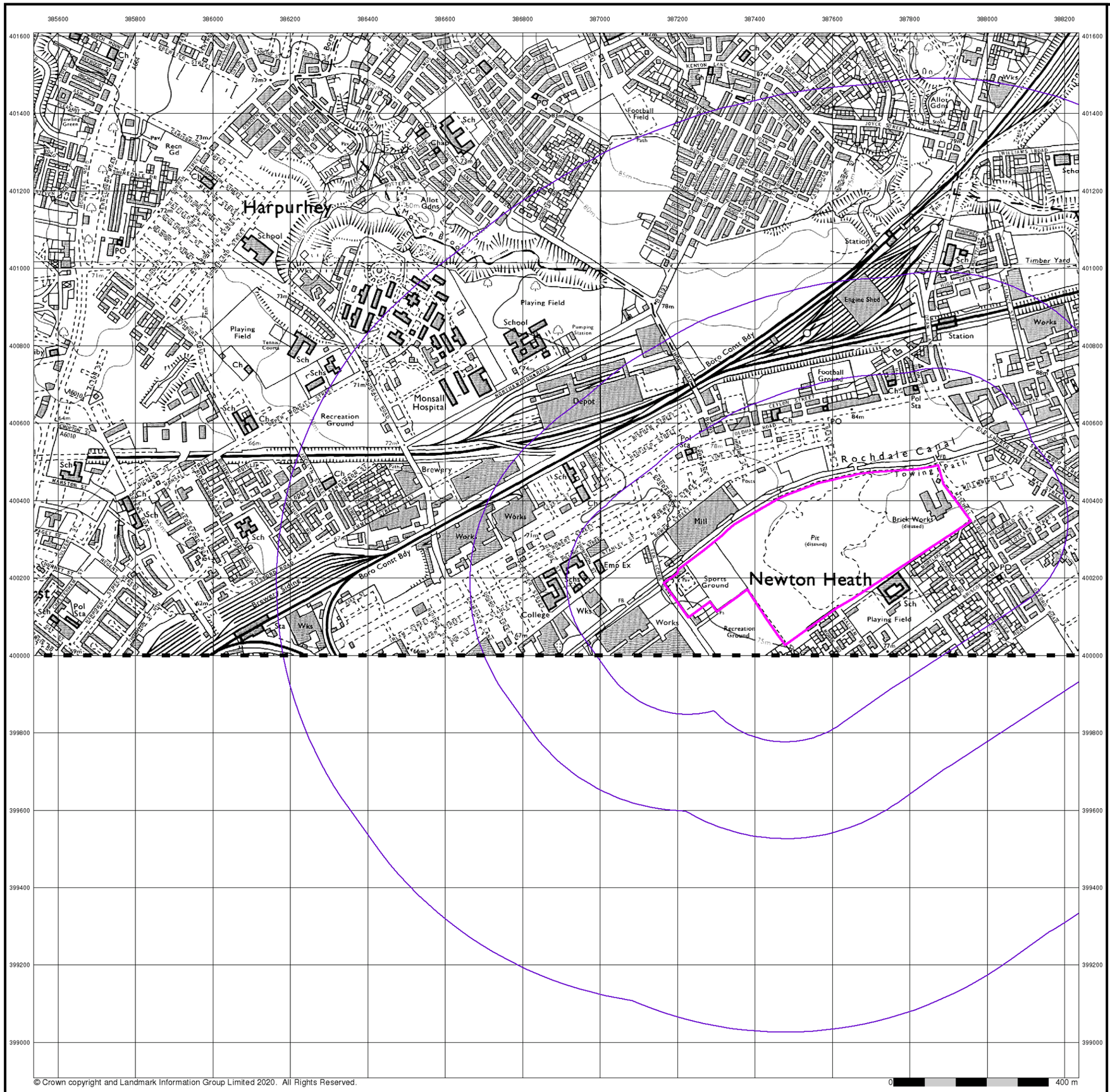
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
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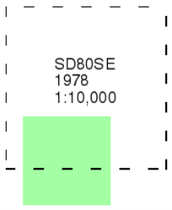
Ordnance Survey Plan

Published 1978

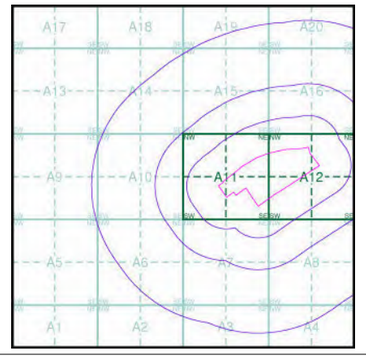
Source map scale - 1:10,000

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



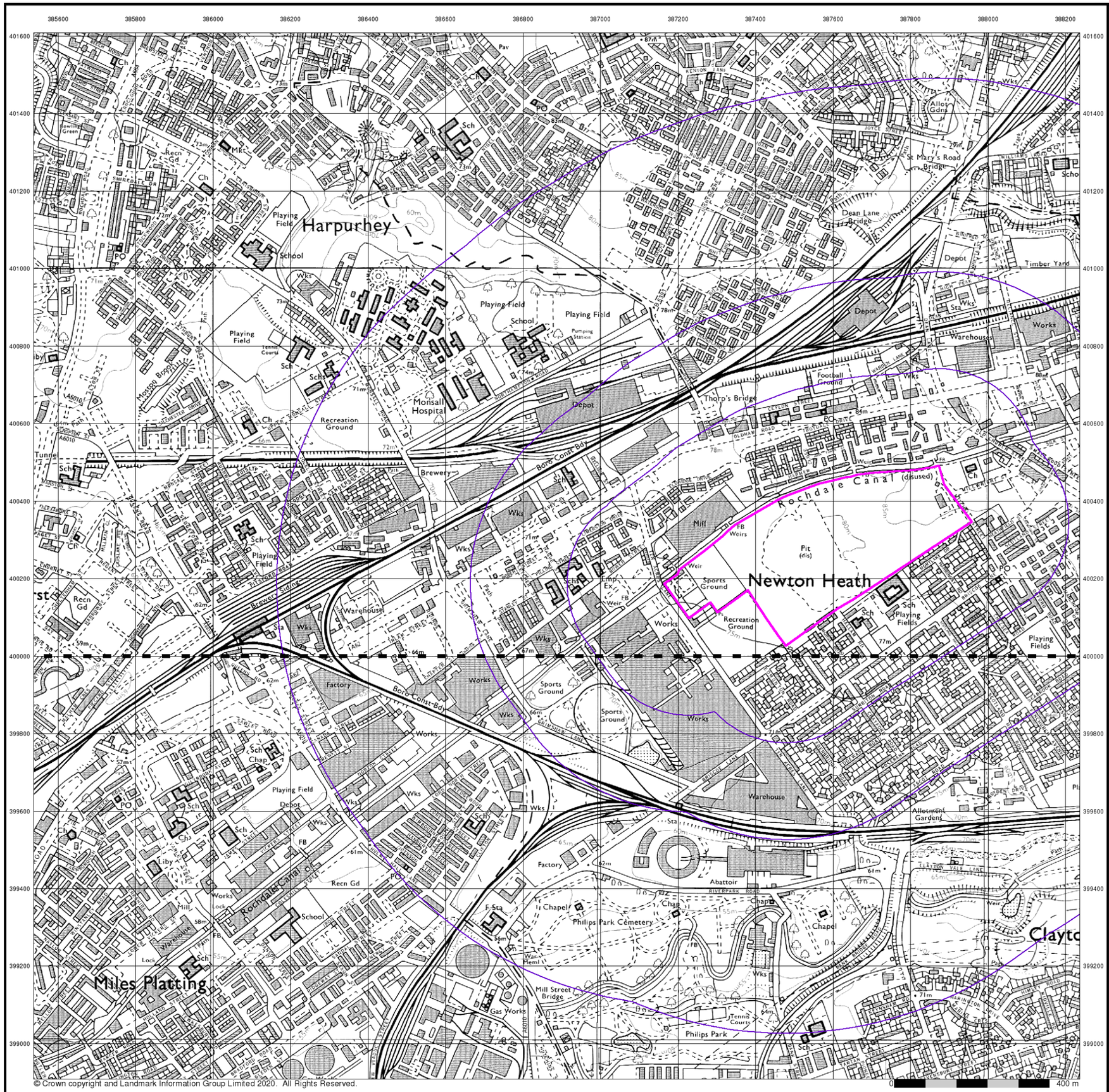
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1981 - 1982

Source map scale - 1:10,000

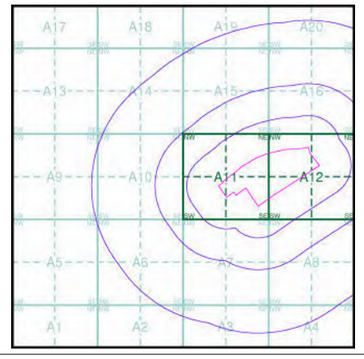
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

SD80SE
1982
1:10,000

SJ89NE
1981
1:10,000

Historical Map - Slice A



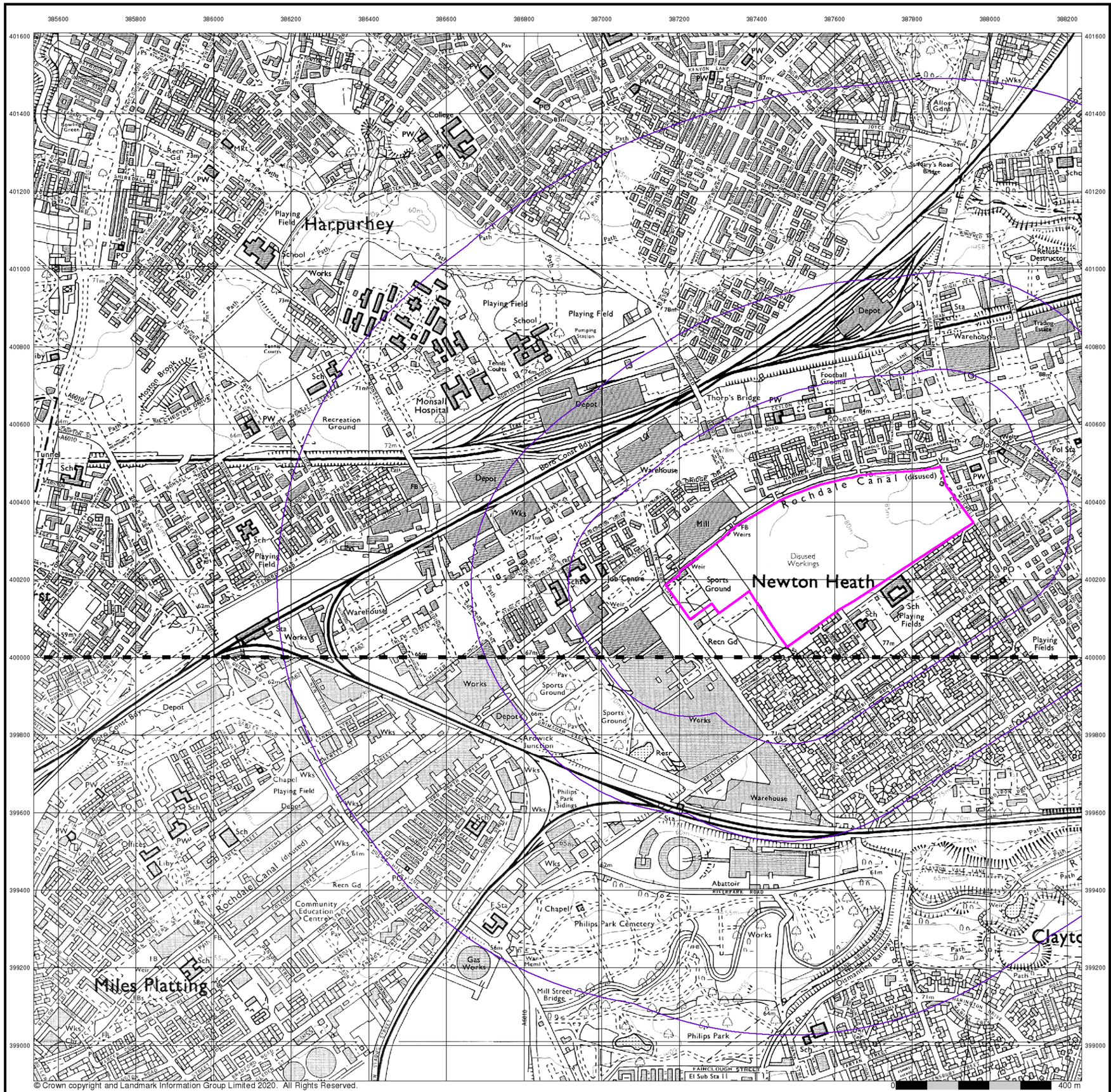
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1990 - 1993

Source map scale - 1:10,000

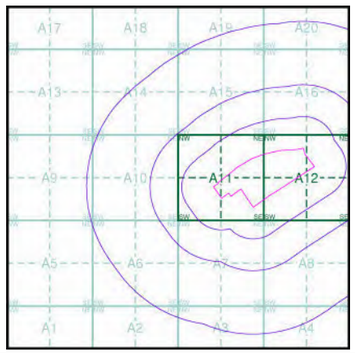
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

SD80SE
1990
1:10,000

SJ89NE
1993
1:10,000

Historical Map - Slice A



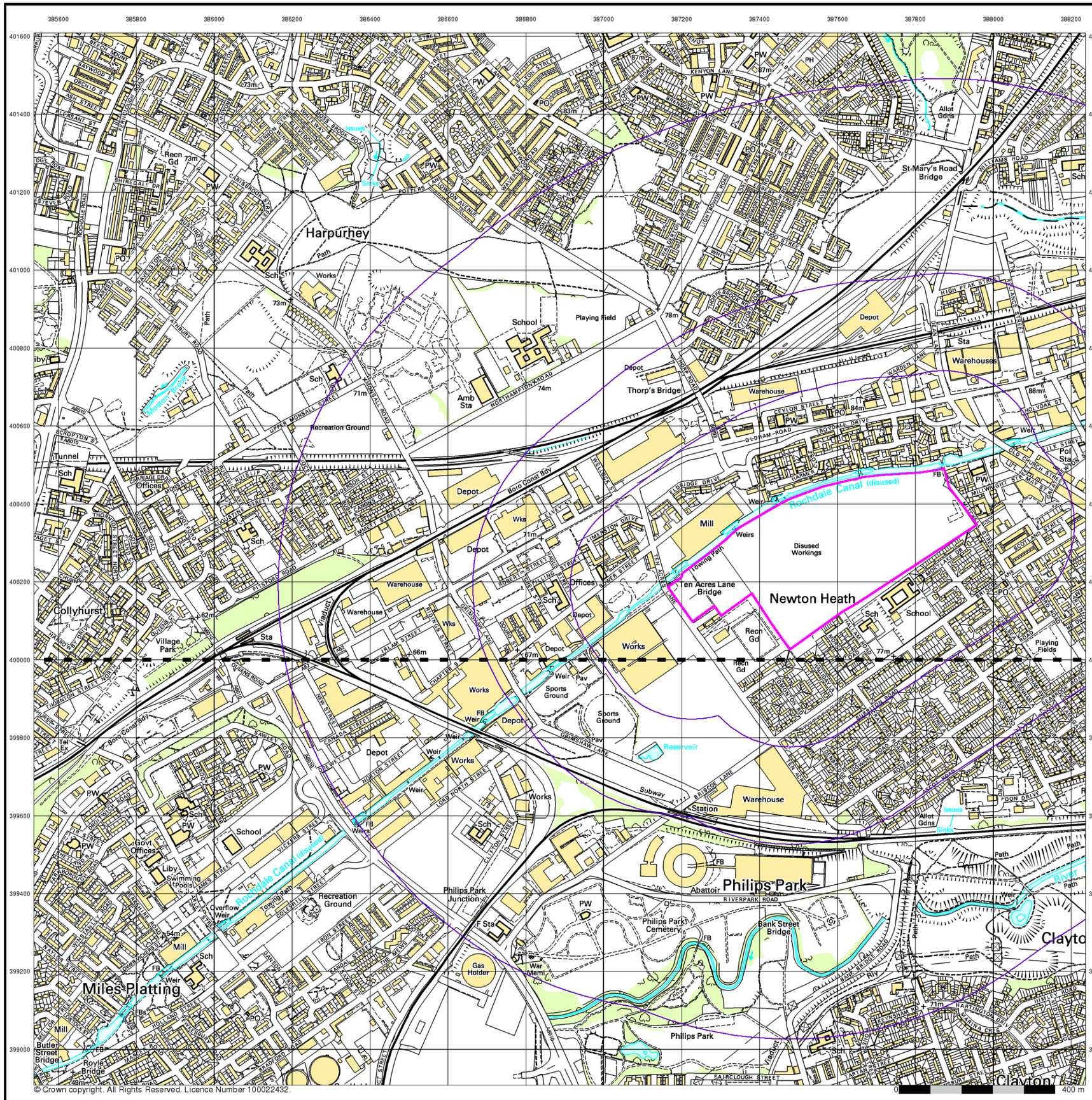
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

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10k Raster Mapping

Published 1999

Source map scale - 1:10,000

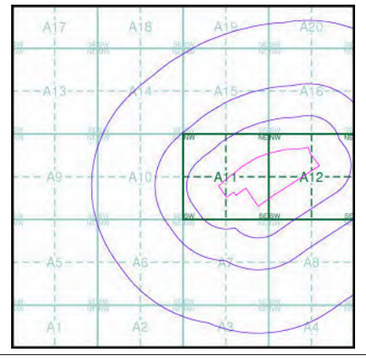
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)

SD80SE
1999
1:10,000

SJ89NE
1999
1:10,000

Historical Map - Slice A



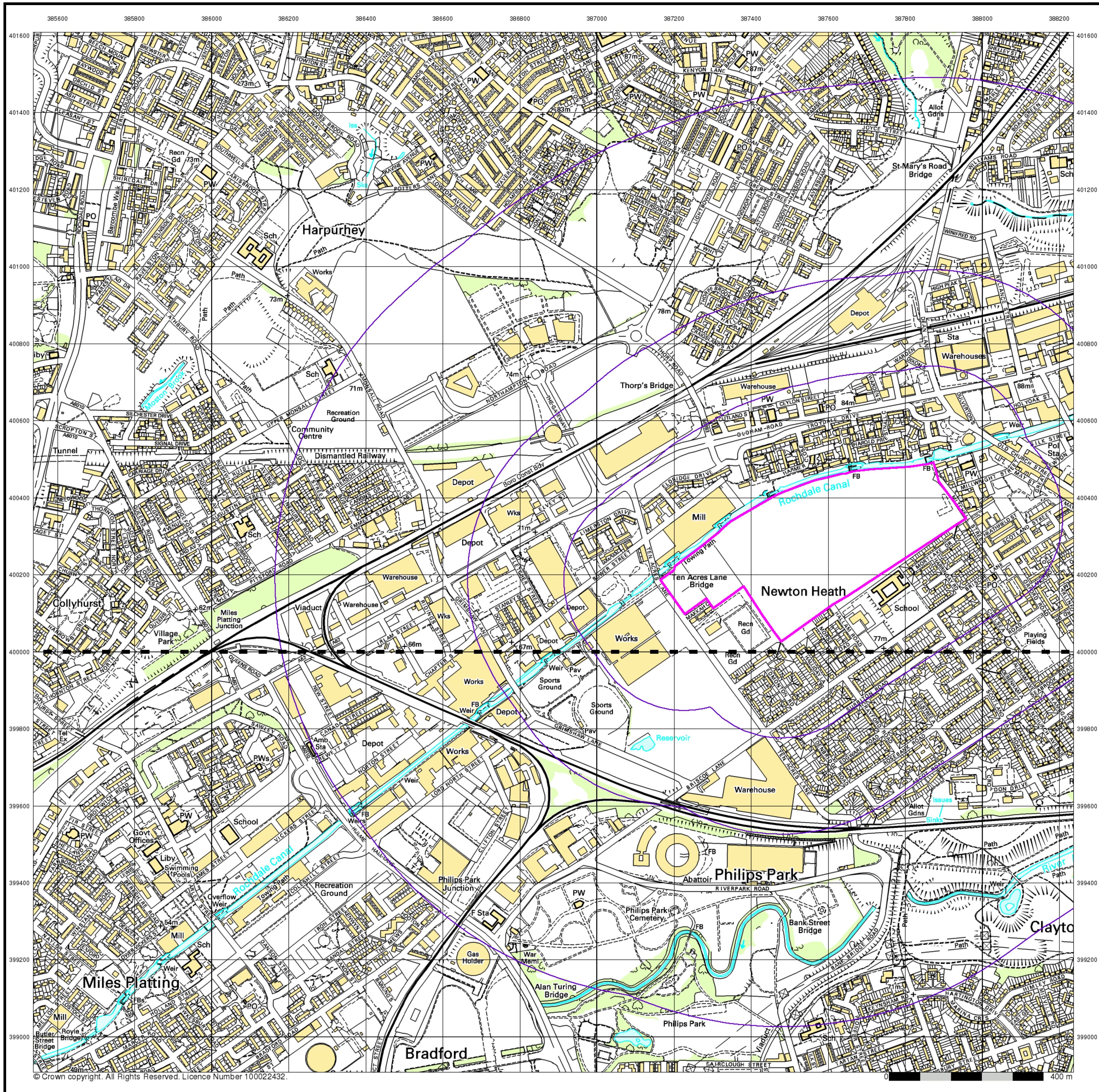
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

Site at 387600, 400310

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10k Raster Mapping

Published 2006

Source map scale - 1:10,000

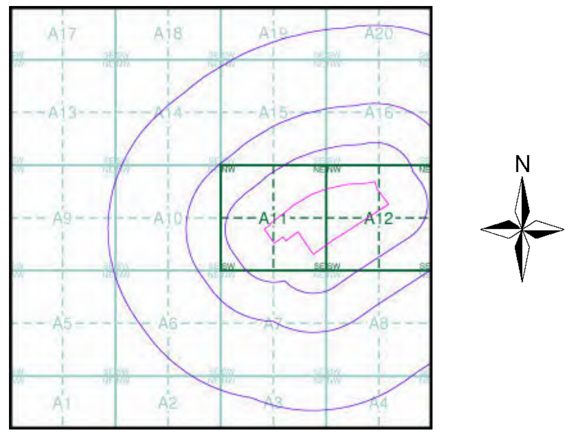
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks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

Map Name(s) and Date(s)

SD80SE
2006
1:10,000

SJ89NE
2006
1:10,000

Historical Map - Slice A



Order Details

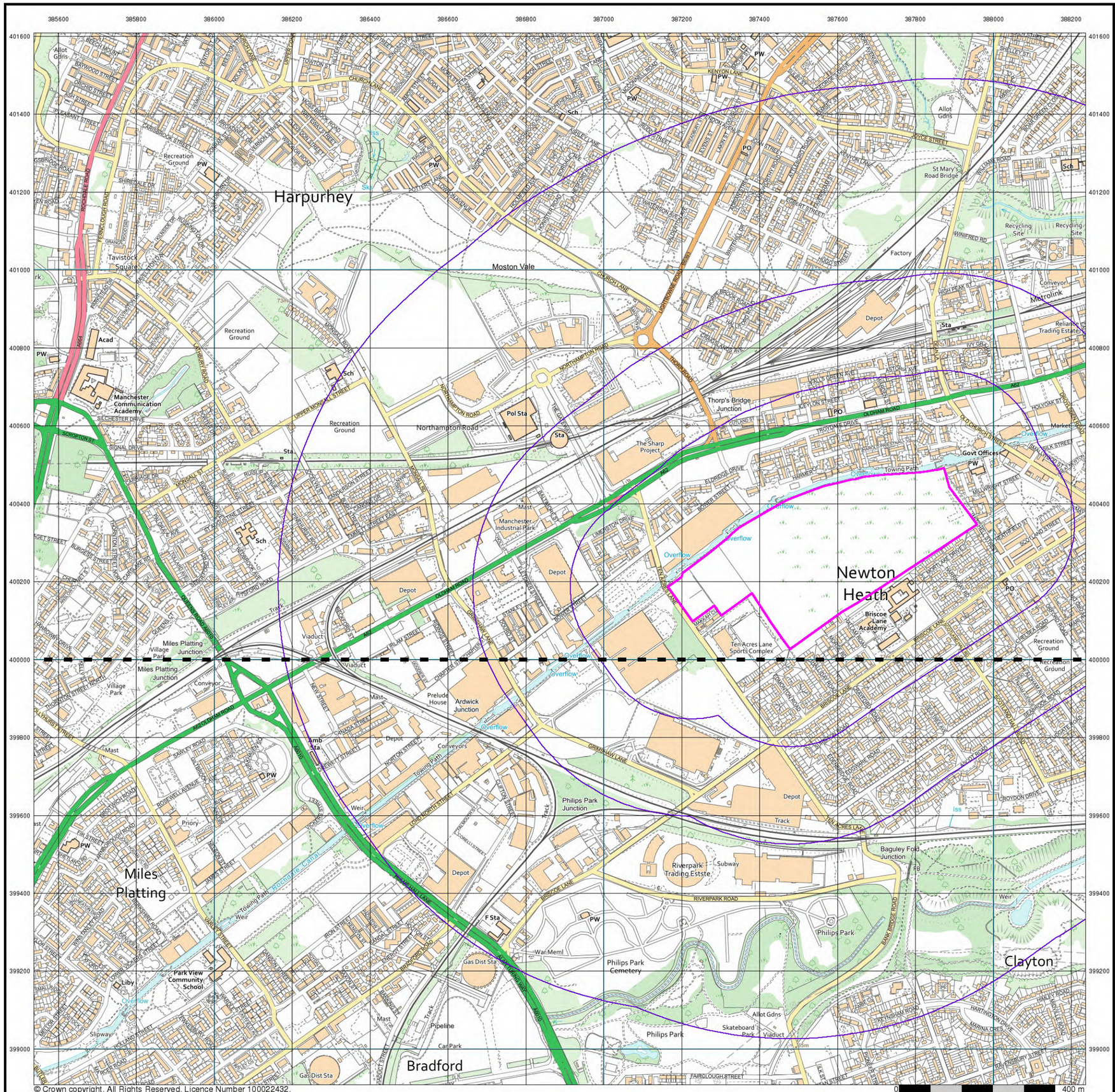
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Slice: A
Site Area (Ha): 18.51
Search Buffer (m): 1000

Site Details

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0 400 m

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VectorMap Local

Published 2020

Source map scale - 1:10,000

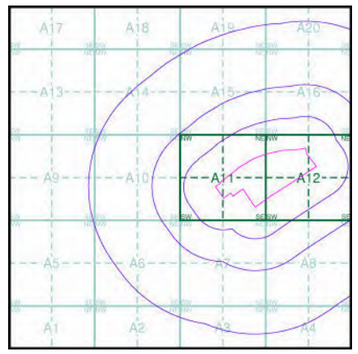
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap 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)

SD80SE
2020
Variable

SJ89NE
2020
Variable

Historical Map - Slice A



Order Details

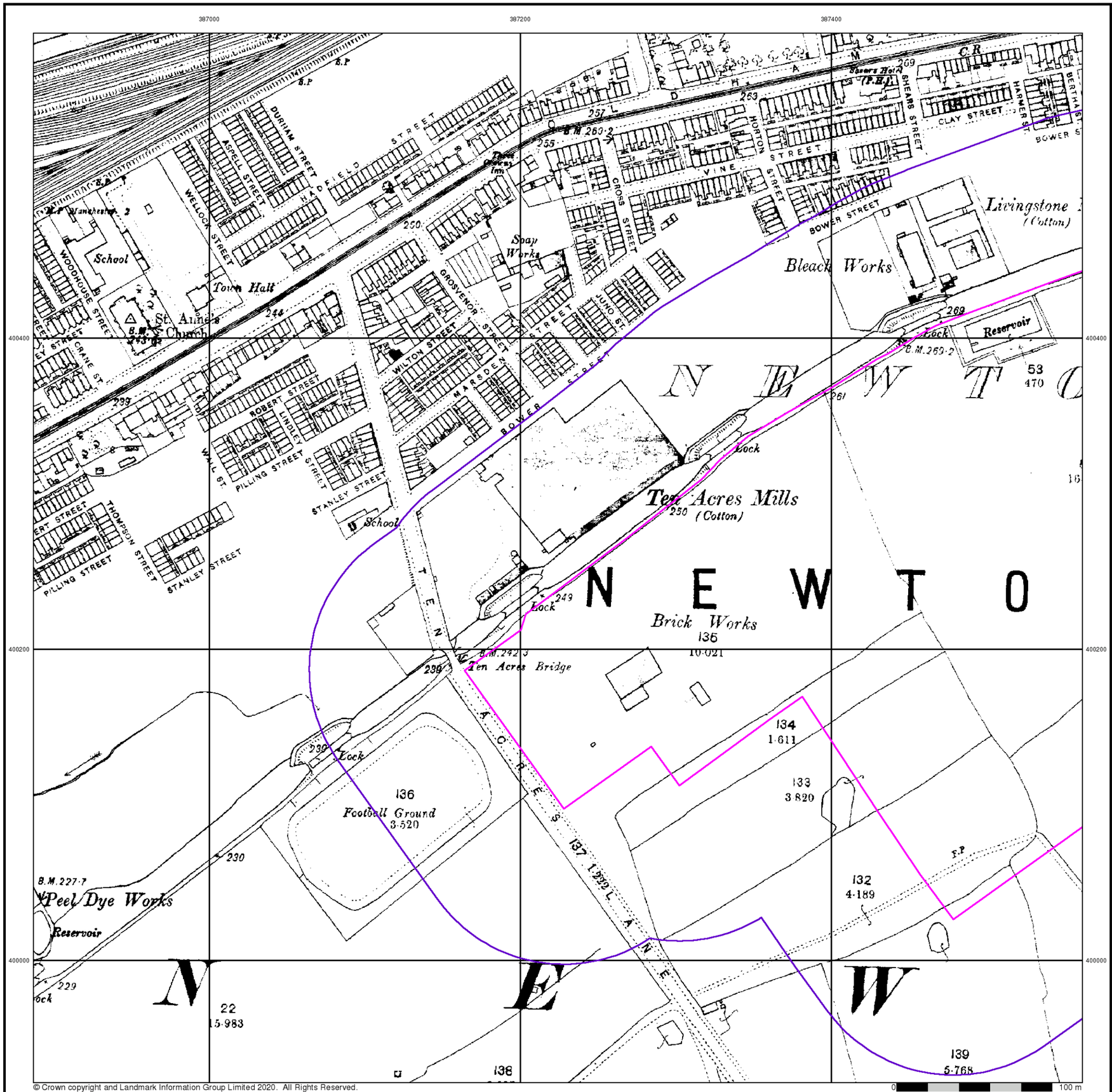
Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	1000

Site Details

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0 100 m

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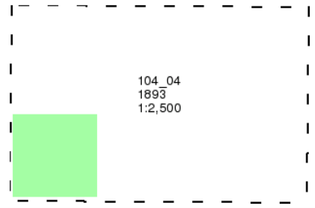
Lancashire And Furness

Published 1893

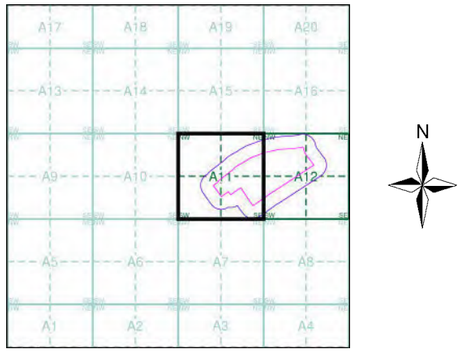
Source map scale - 1:2,500

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 A11



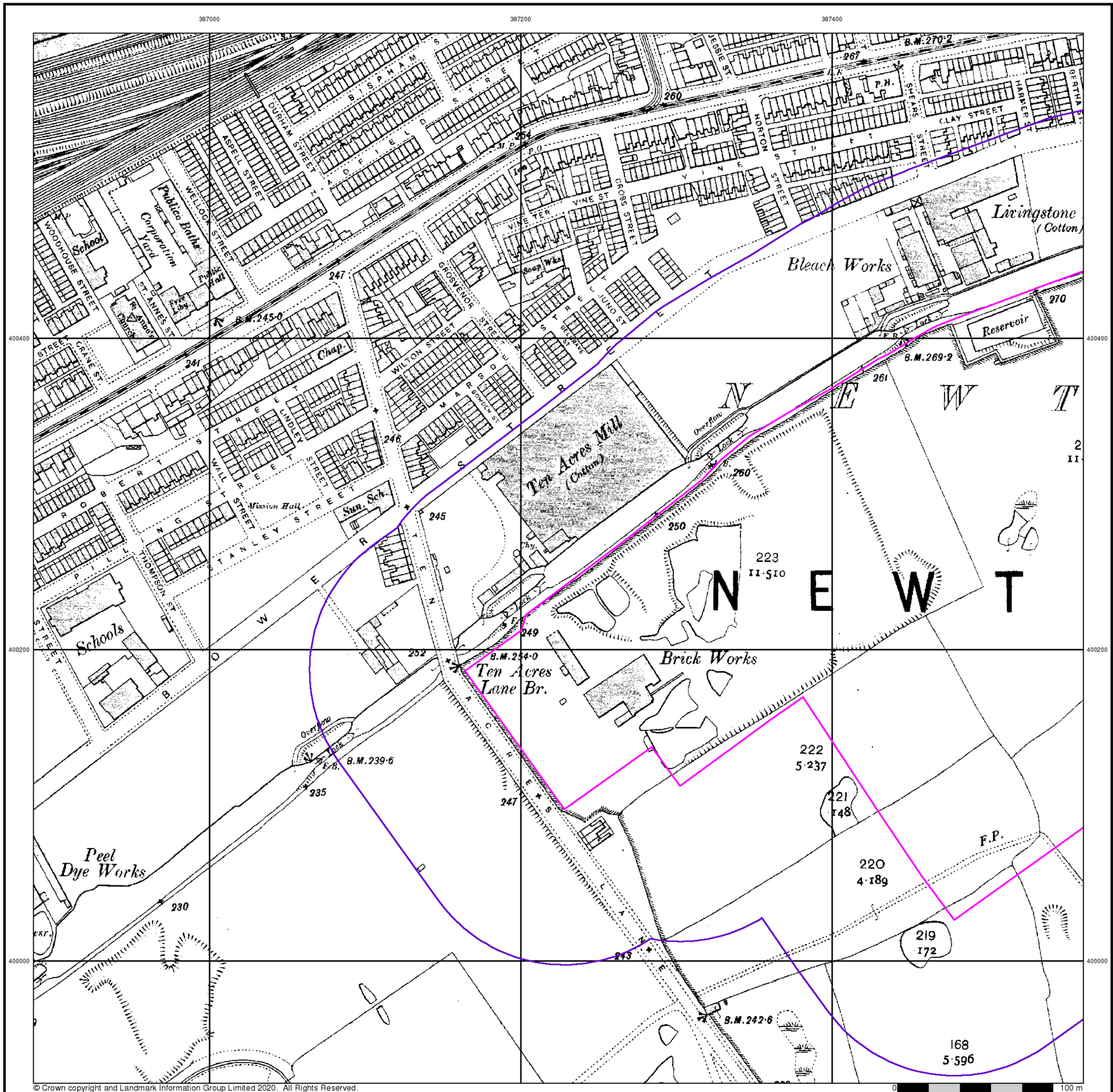
Order Details

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Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

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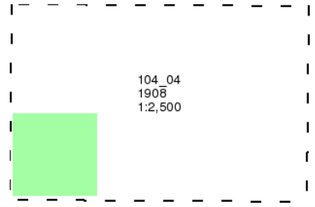
Lancashire And Furness

Published 1908

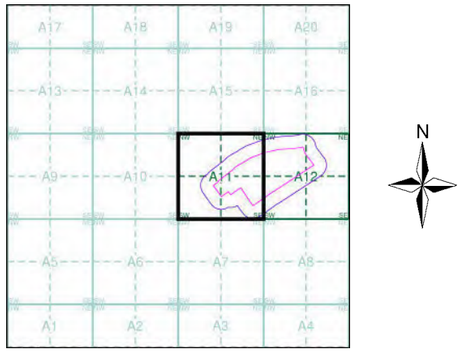
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



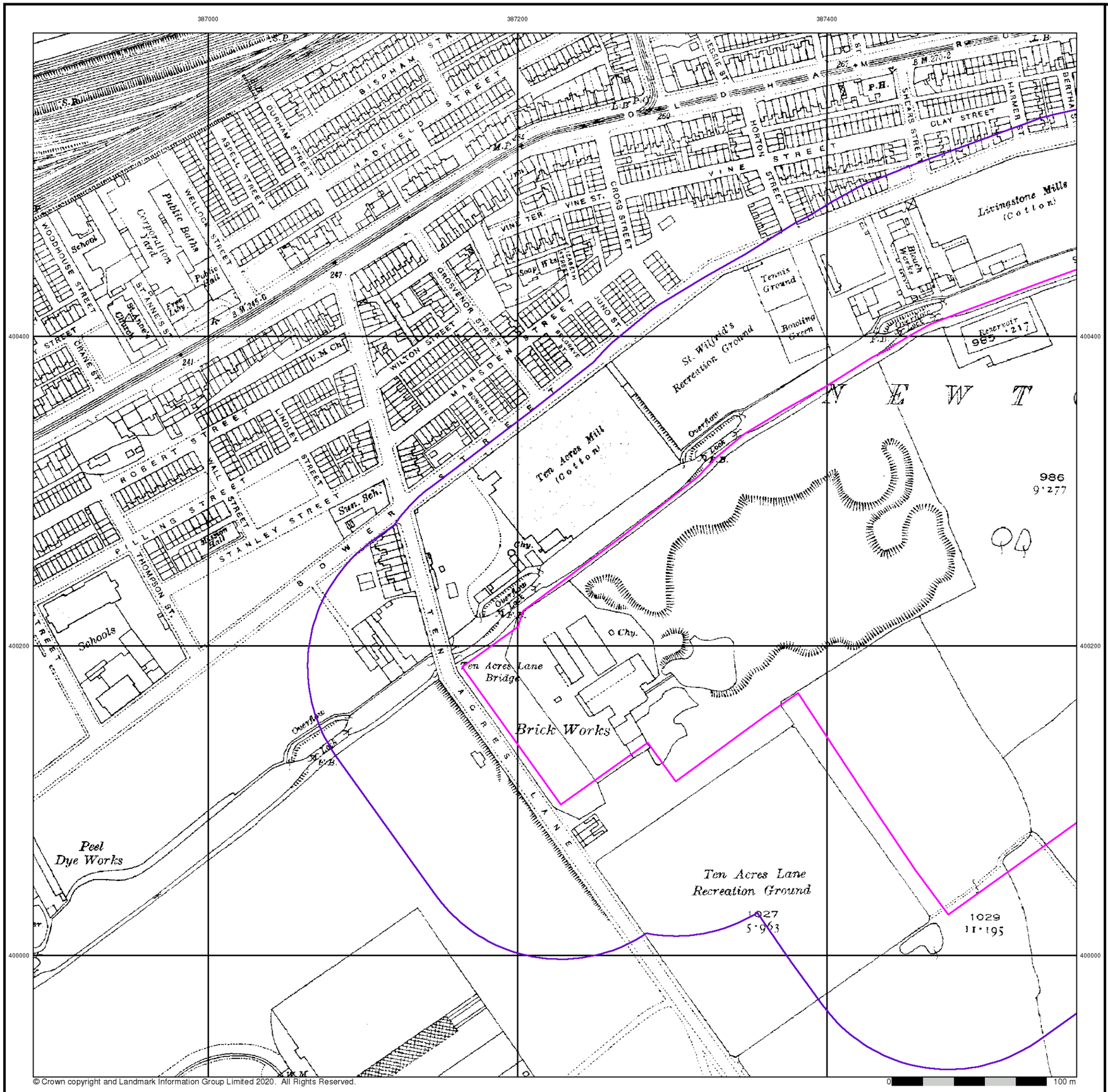
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
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Slice:	A
Site Area (Ha):	18.51
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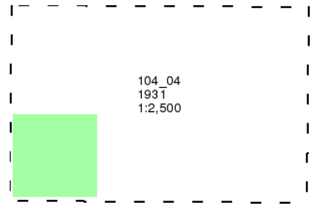
Lancashire And Furness

Published 1931

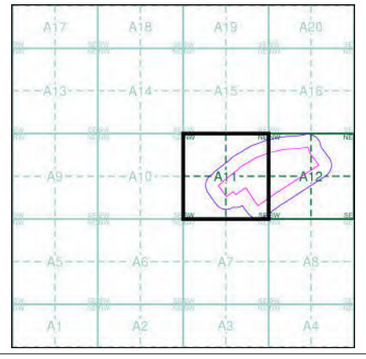
Source map scale - 1:2,500

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 A11



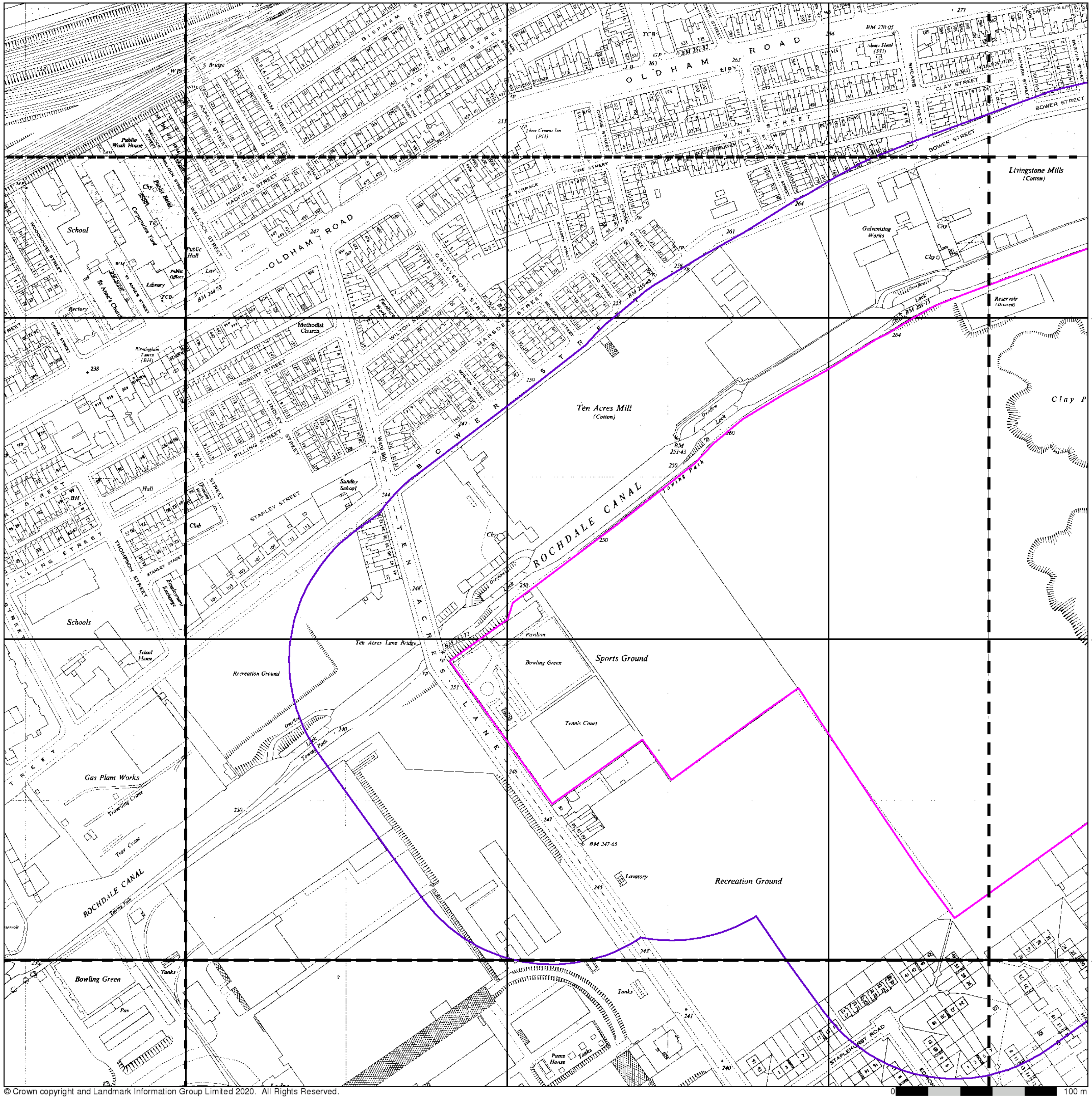
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

Site at 387600, 400310

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Ordnance Survey Plan

Published 1948 - 1951

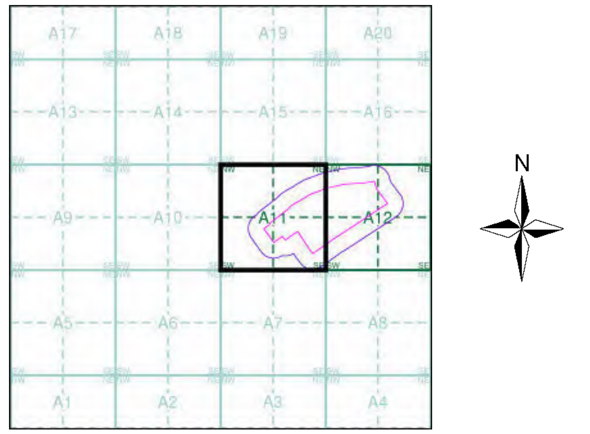
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8600NE 1948 1:1,250	SD8700NW 1951 1:1,250	SD8700NE 1951 1:1,250
SD8600SE 1949 1:1,250	SD8700SW 1951 1:1,250	SD8700SE 1951 1:1,250
SJ8699NE 1949 1:1,250	SJ8799NW 1949 1:1,250	SJ8799NE 1949 1:1,250

Historical Map - Segment A11



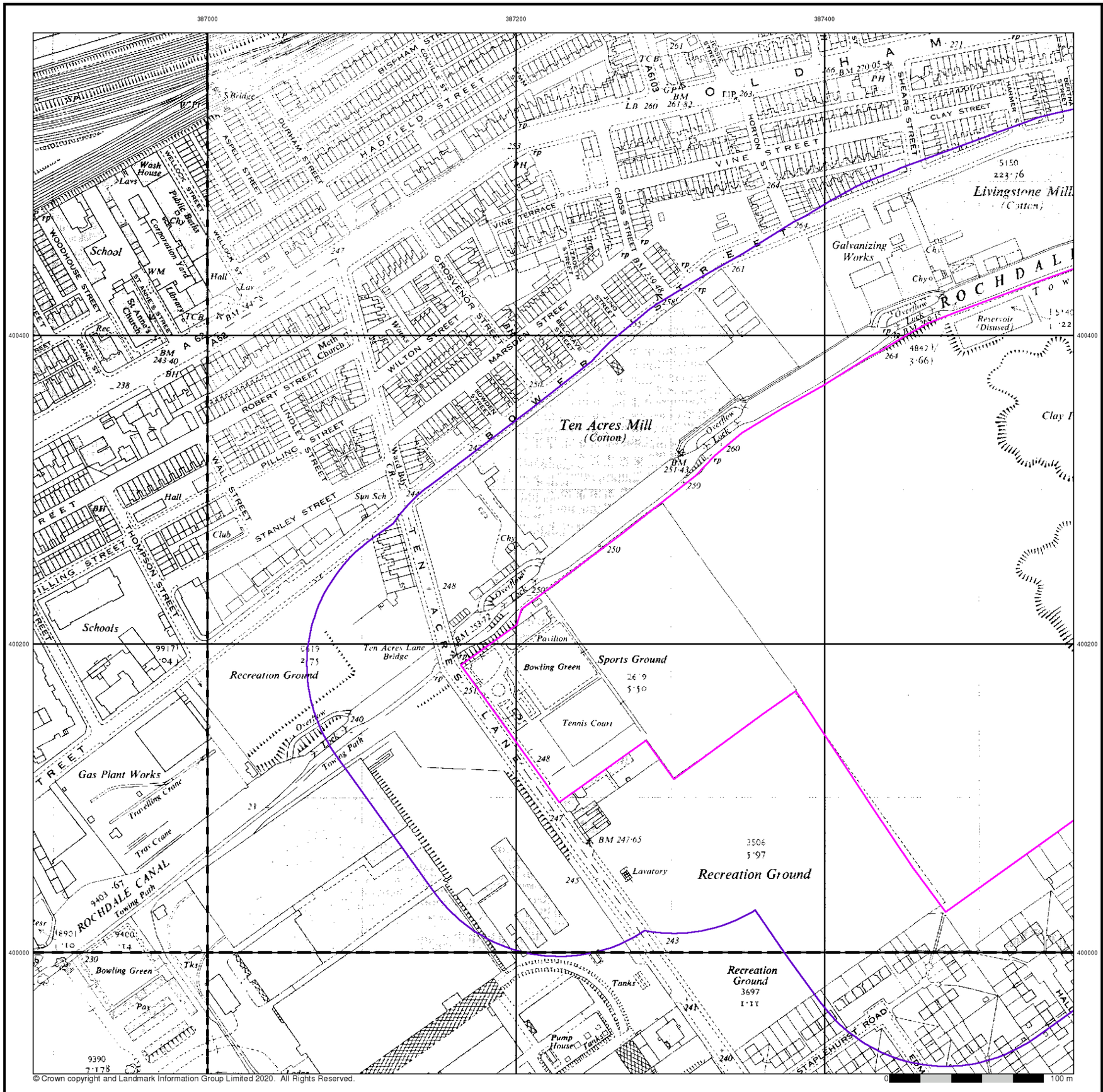
Order Details

Order Number: 267713911_1_1
Customer Ref: Ten Acres
National Grid Reference: 387320, 400240
Slice: A
Site Area (Ha): 18.51
Search Buffer (m): 100

Site Details

Site at 387600, 400310

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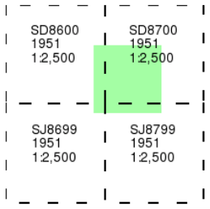
Ordnance Survey Plan

Published 1951

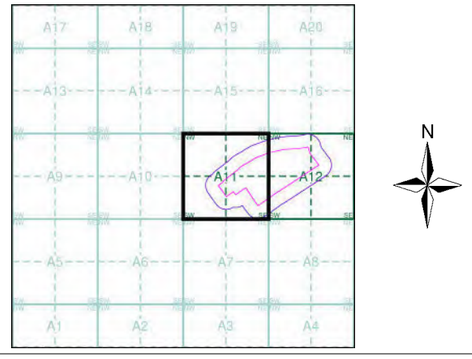
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A11



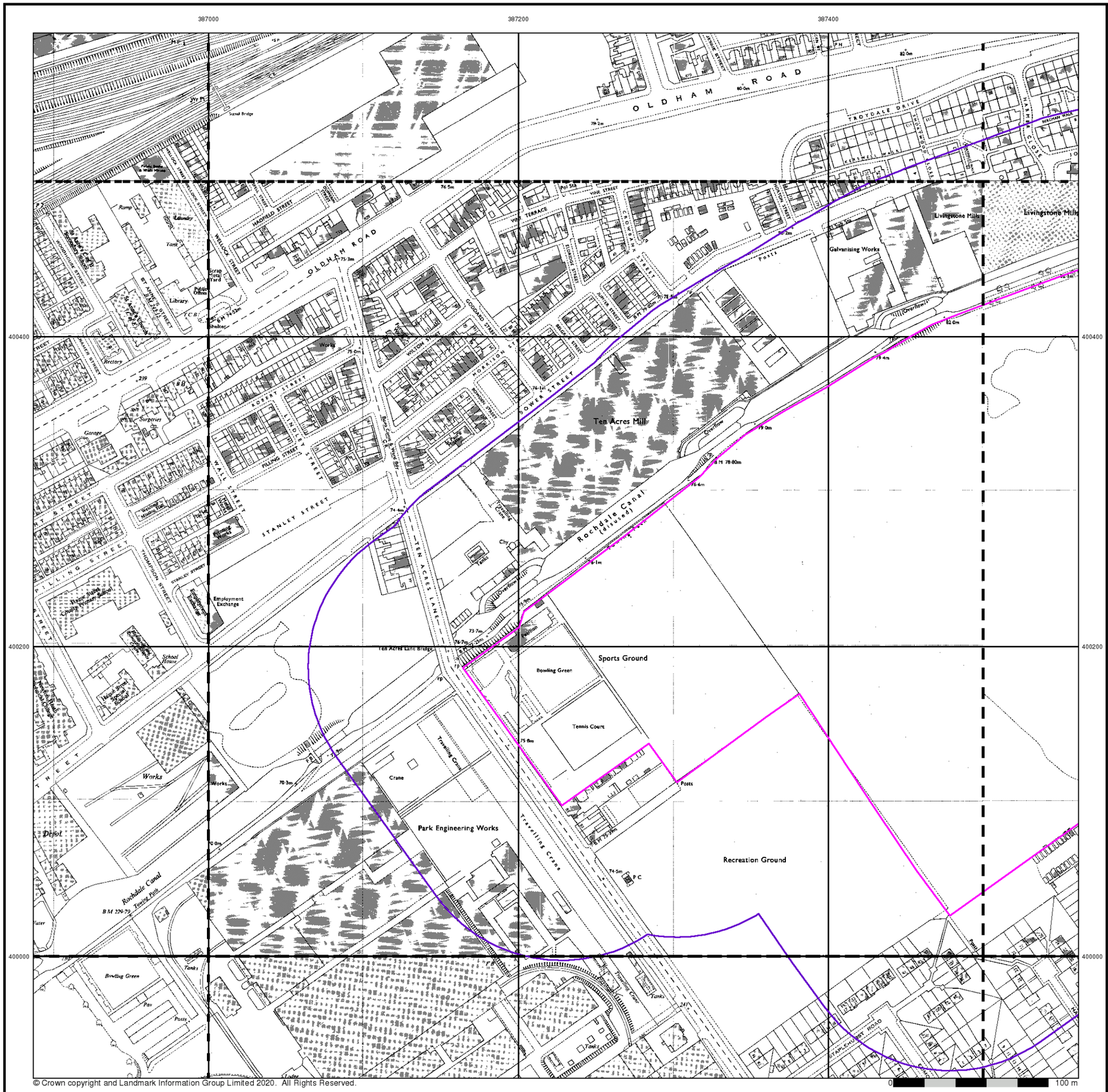
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

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Ordnance Survey Plan

Published 1953 - 1980

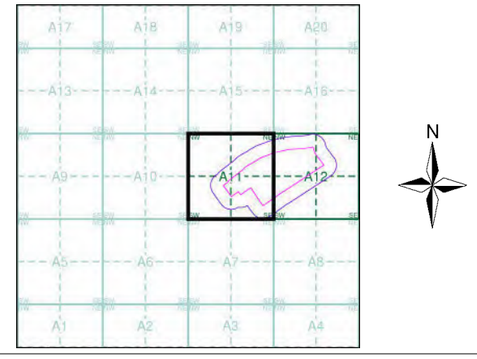
Source map scale - 1:1,250

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)

SD8600NE 1970 1:1,250	SD8700NW 1980 1:1,250	SD8700NE 1980 1:1,250
SD8600SE 1961 1:1,250	SD8700SW 1971 1:1,250	SD8700SE 1973 1:1,250
SJ8699NE 1953 1:1,250	SJ8799NW 1966 1:1,250	SJ8799NE 1966 1:1,250

Historical Map - Segment A11



Order Details

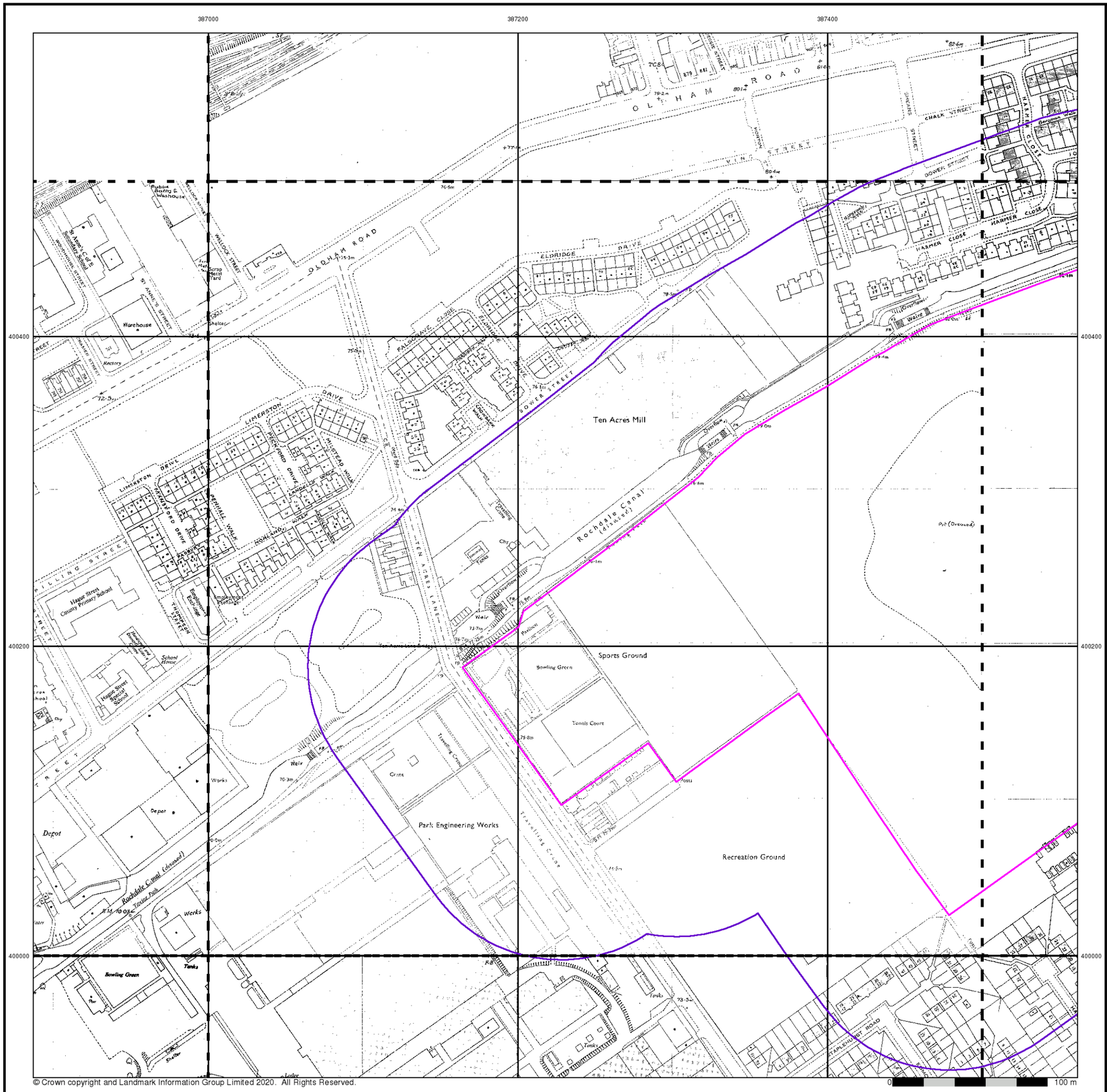
Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

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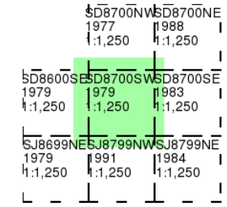
Additional SIMs

Published 1977 - 1991

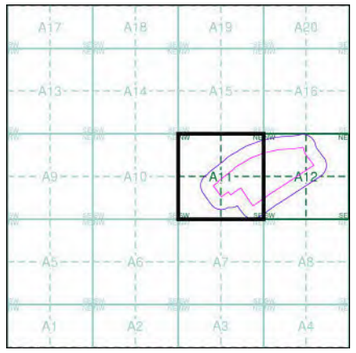
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A11



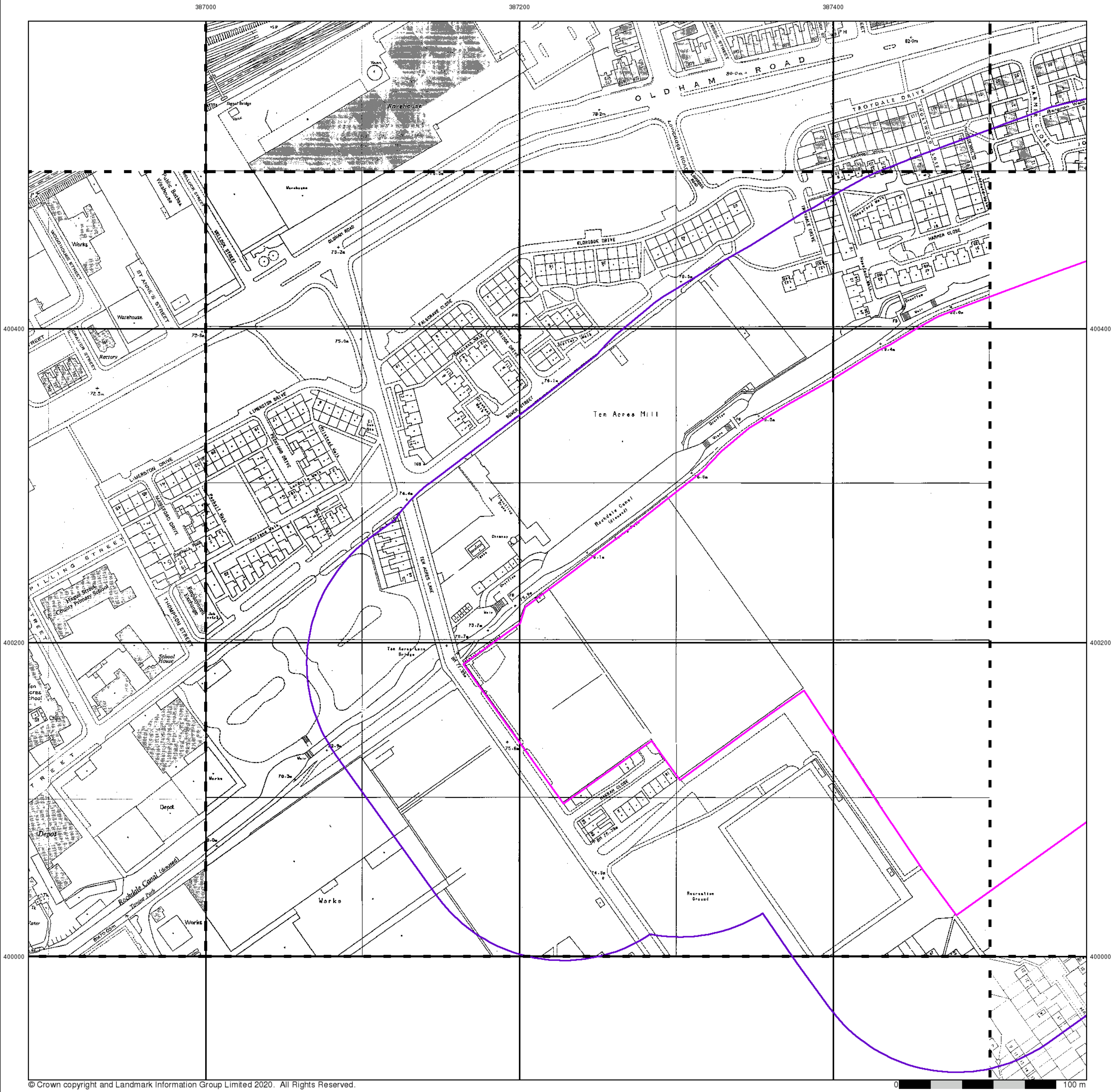
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

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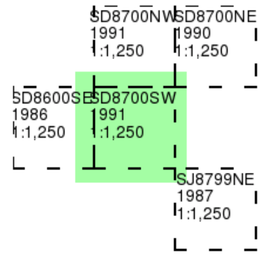
Additional SIMs

Published 1986 - 1991

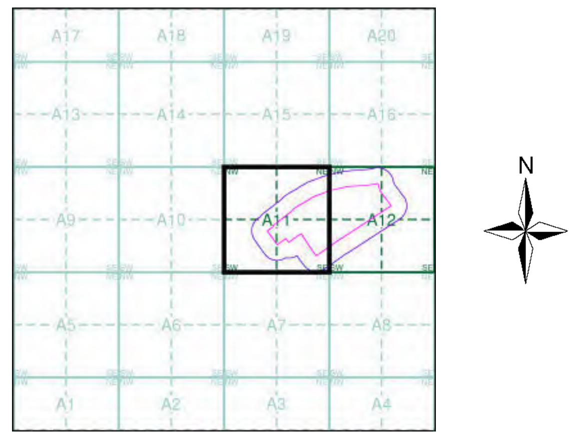
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A11



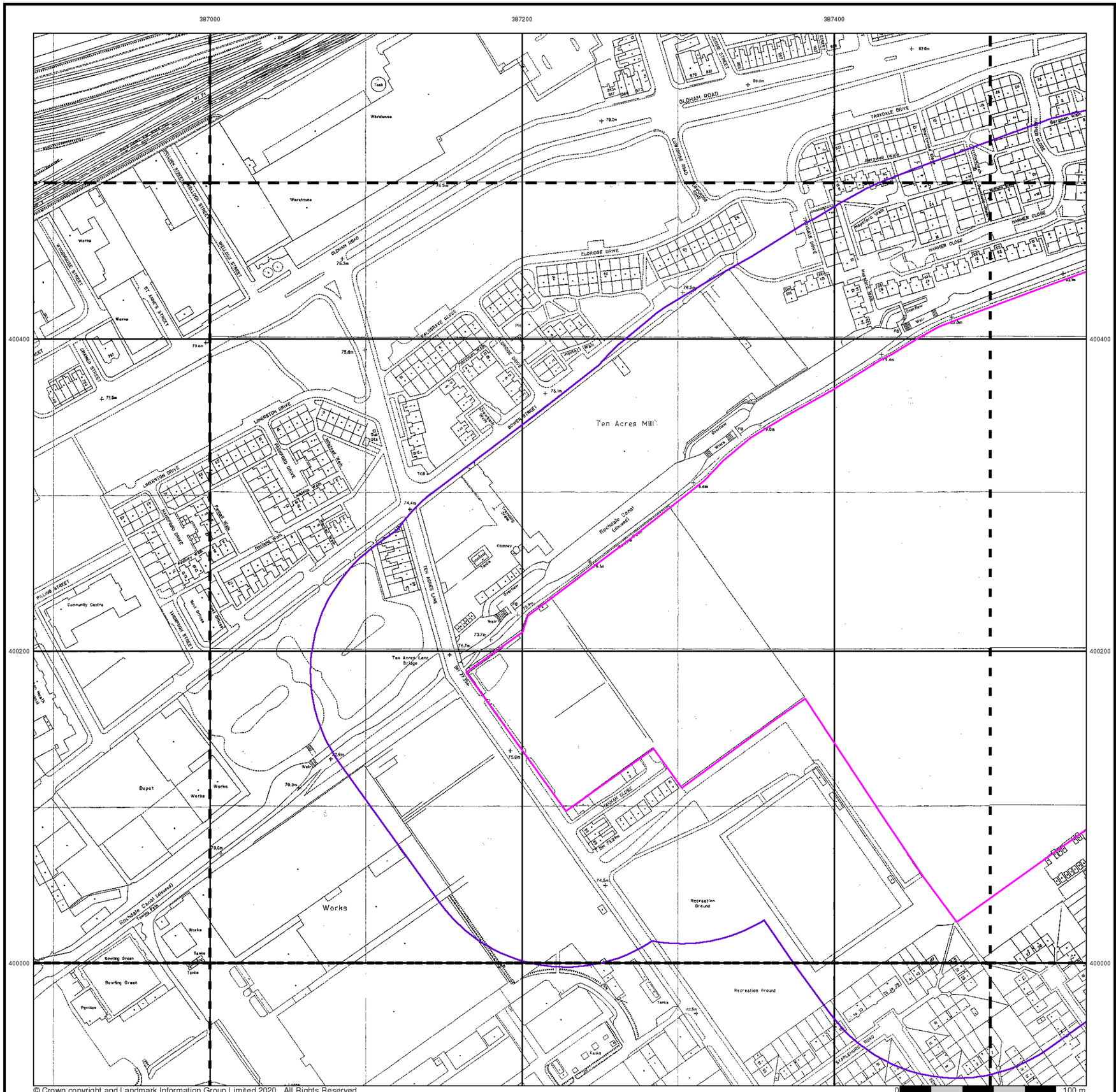
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

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Large-Scale National Grid Data

Published 1992

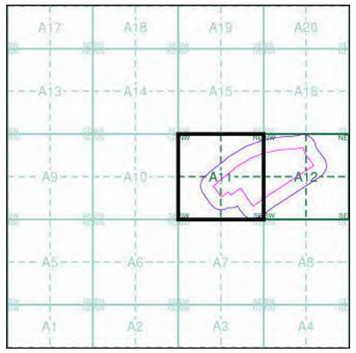
Source map scale - 1:1,250

'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)

SD8600NE 1992 1:1,250	SD8700NW 1992 1:1,250	SD8700NE 1992 1:1,250
SD8600SE 1992 1:1,250	SD8700SW 1992 1:1,250	SD8700SE 1992 1:1,250
SJ8699NE 1992 1:1,250	SJ8799NW 1992 1:1,250	SJ8799NE 1992 1:1,250

Historical Map - Segment A11



Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

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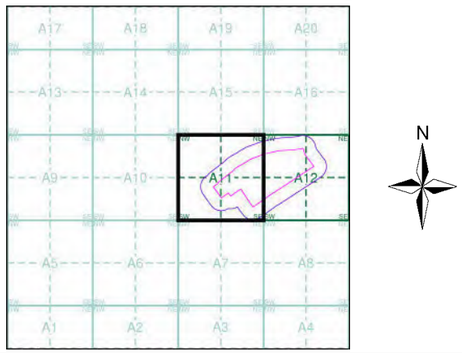


Historical Aerial Photography

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 A11



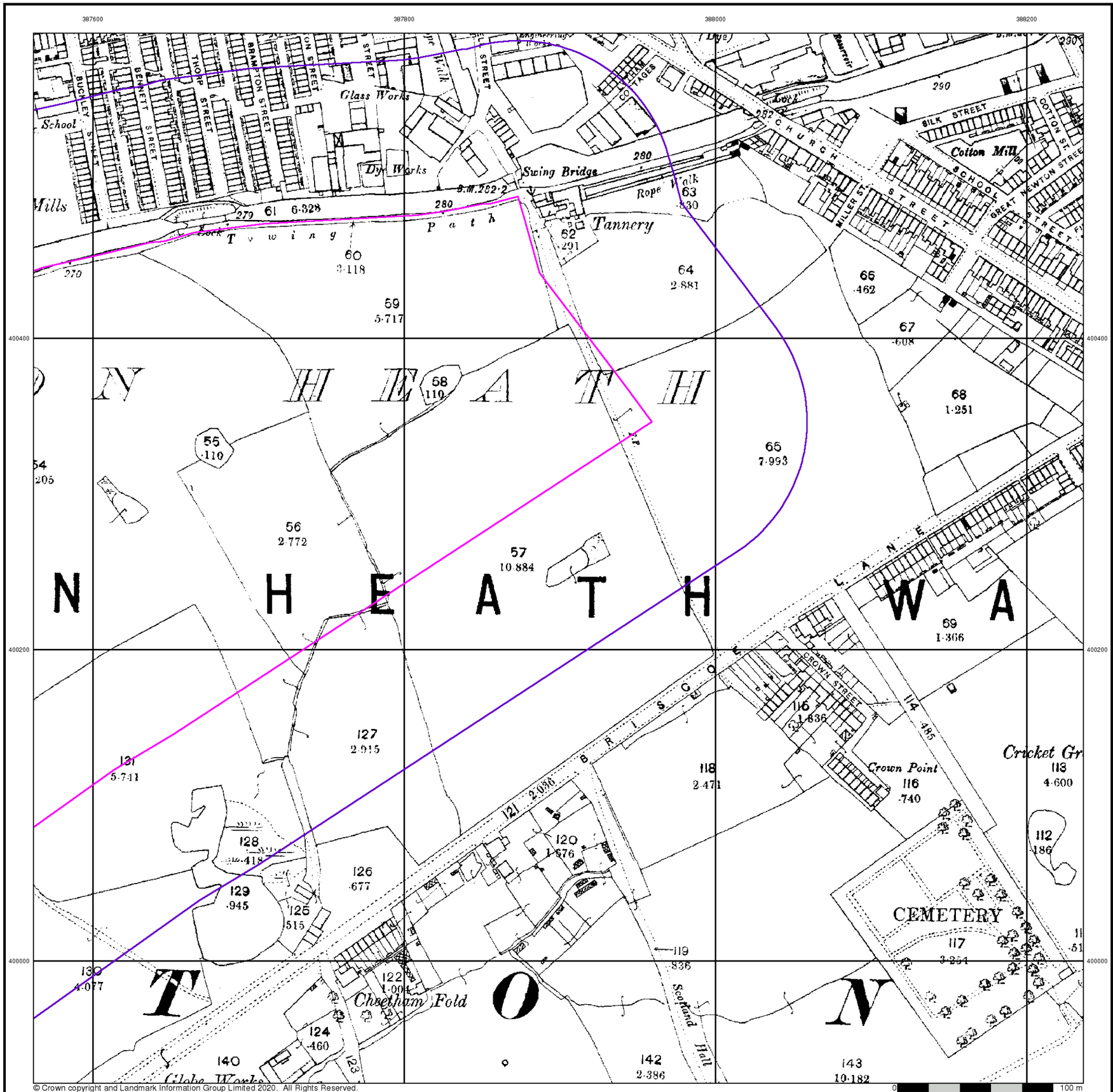
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

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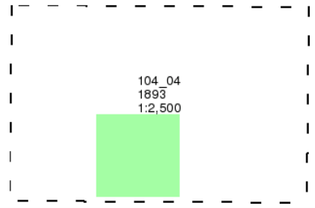
Lancashire And Furness

Published 1893

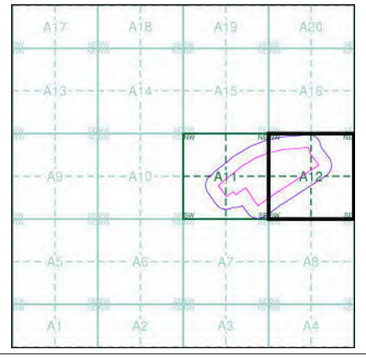
Source map scale - 1:2,500

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 A12



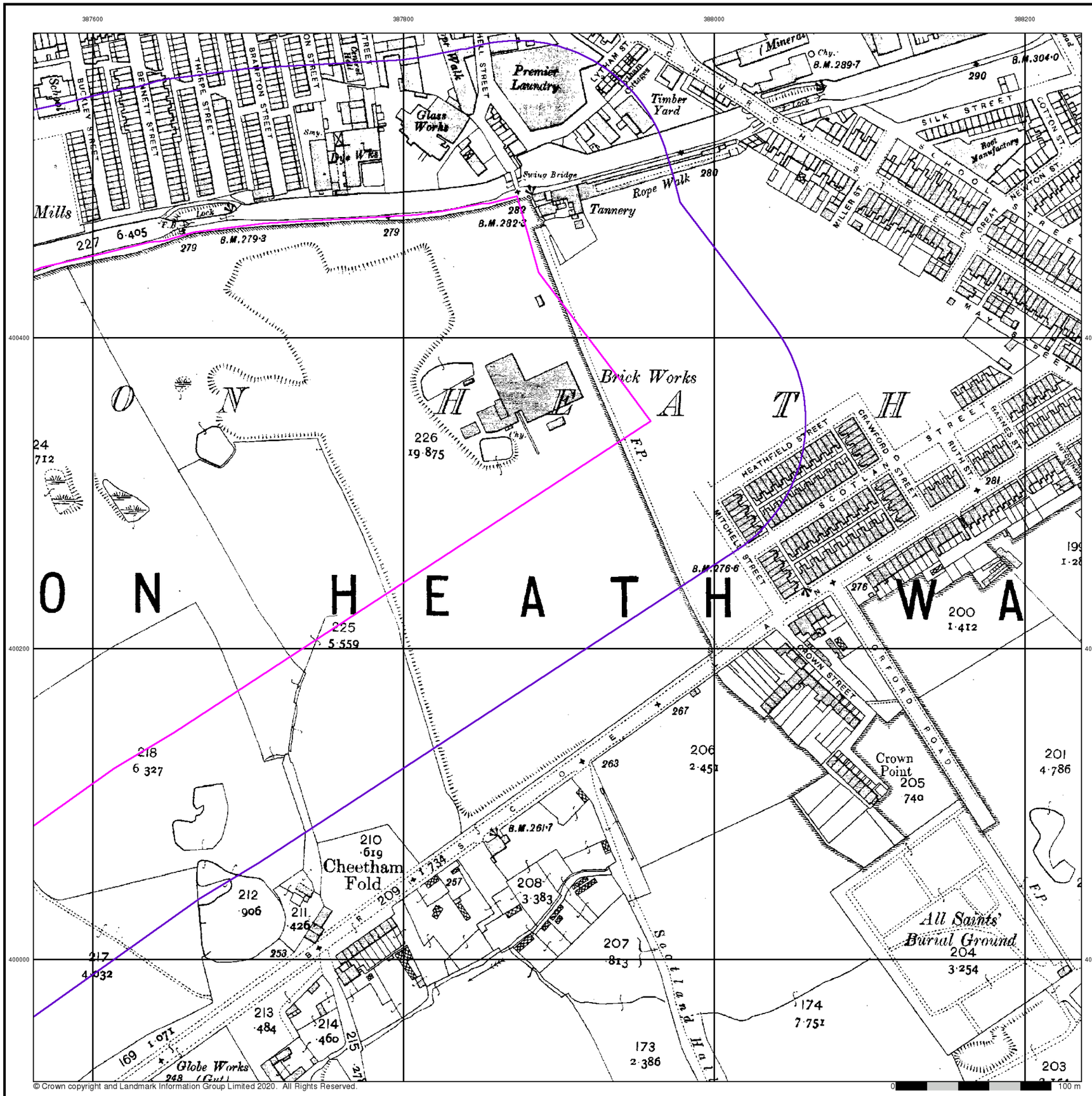
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

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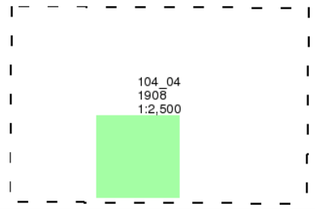
Lancashire And Furness

Published 1908

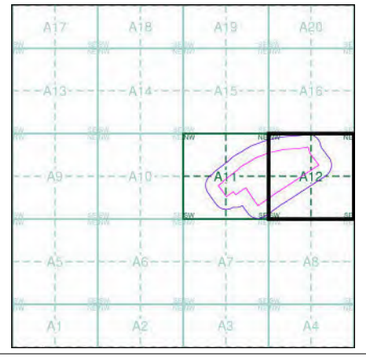
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A12



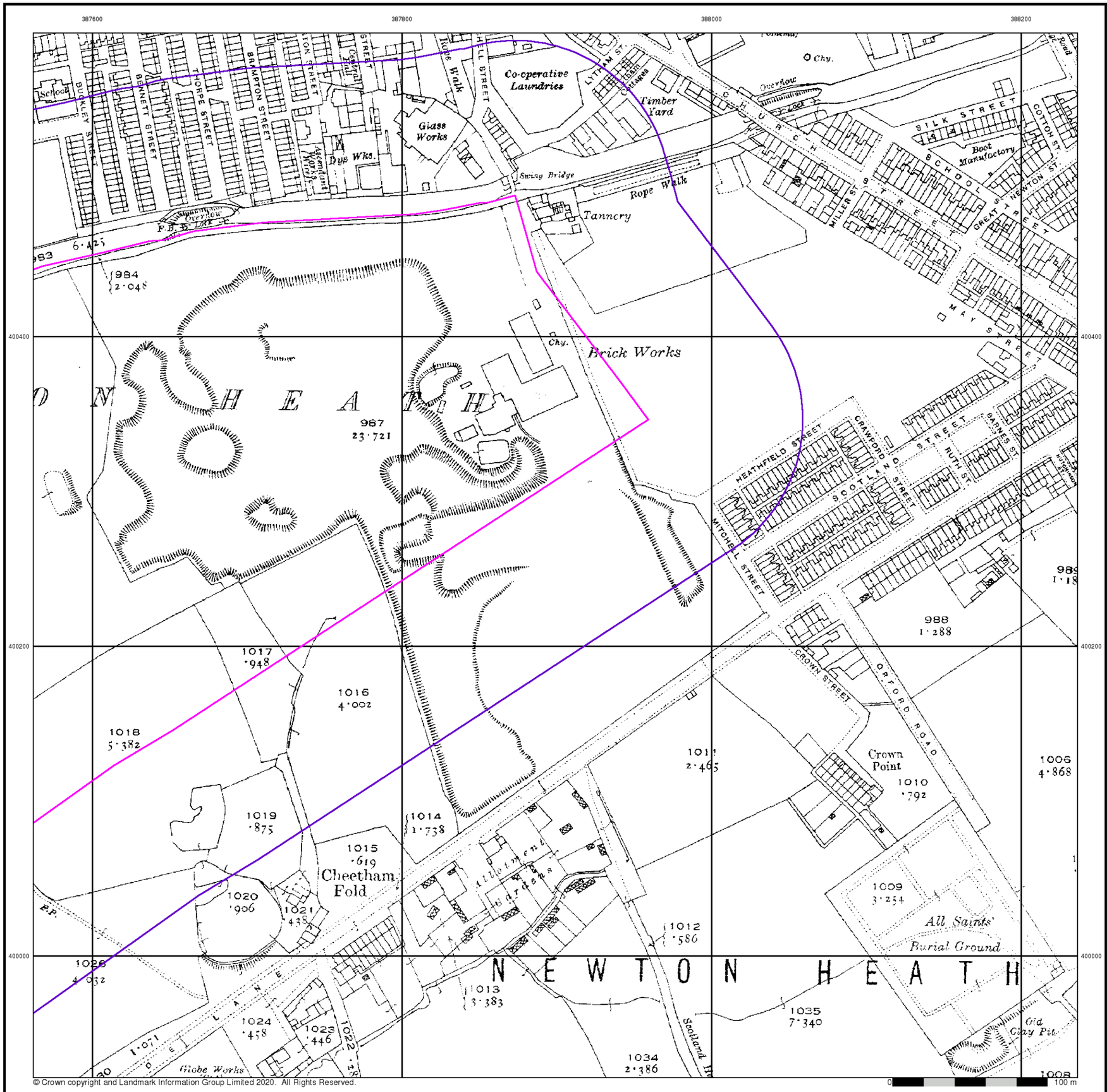
Order Details

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Customer Ref:	Ten Acres
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Slice:	A
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Search Buffer (m):	100

Site Details

Site at 387600, 400310

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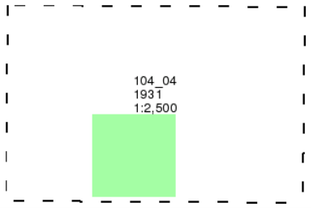
Lancashire And Furness

Published 1931

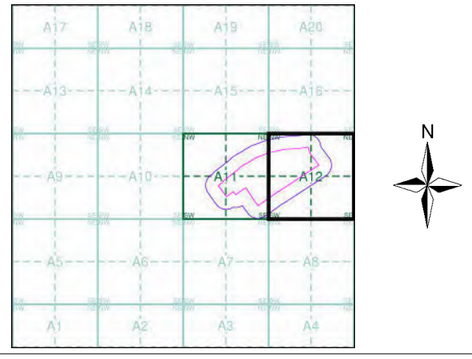
Source map scale - 1:2,500

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 A12



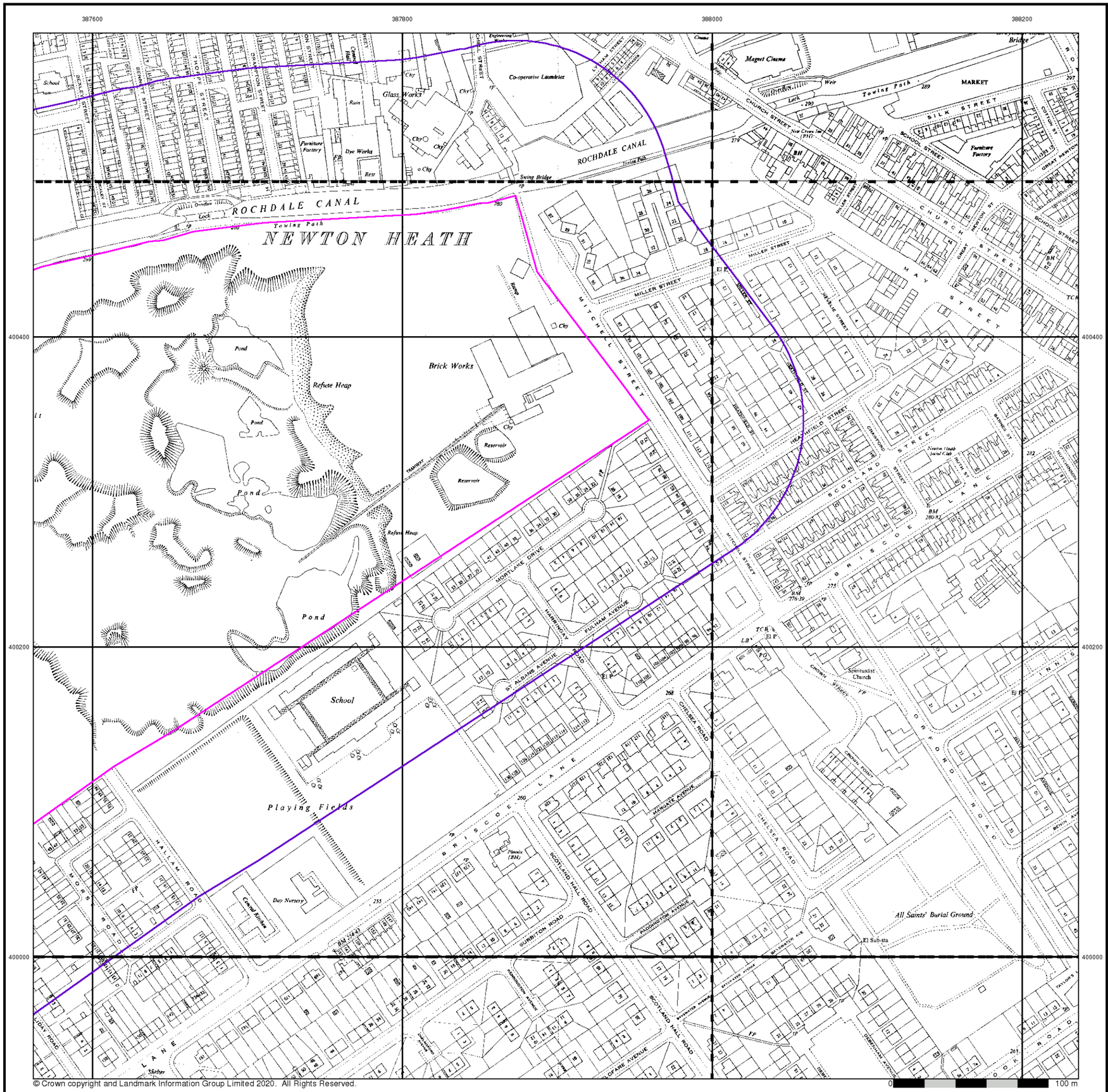
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

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Ordnance Survey Plan

Published 1949 - 1951

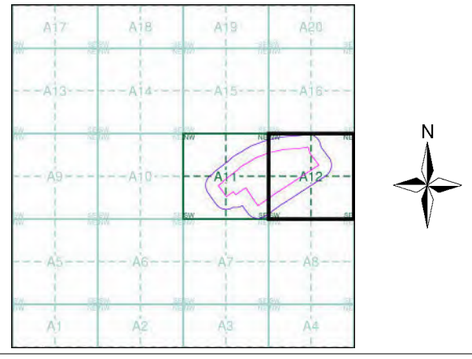
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8700NE 1951 1:1,250
SD8800NW 1951 1:1,250
SD8700SE 1951 1:1,250
SD8800SW 1951 1:1,250
SJ8799NE 1949 1:1,250
SJ8899NW 1951 1:1,250

Historical Map - Segment A12



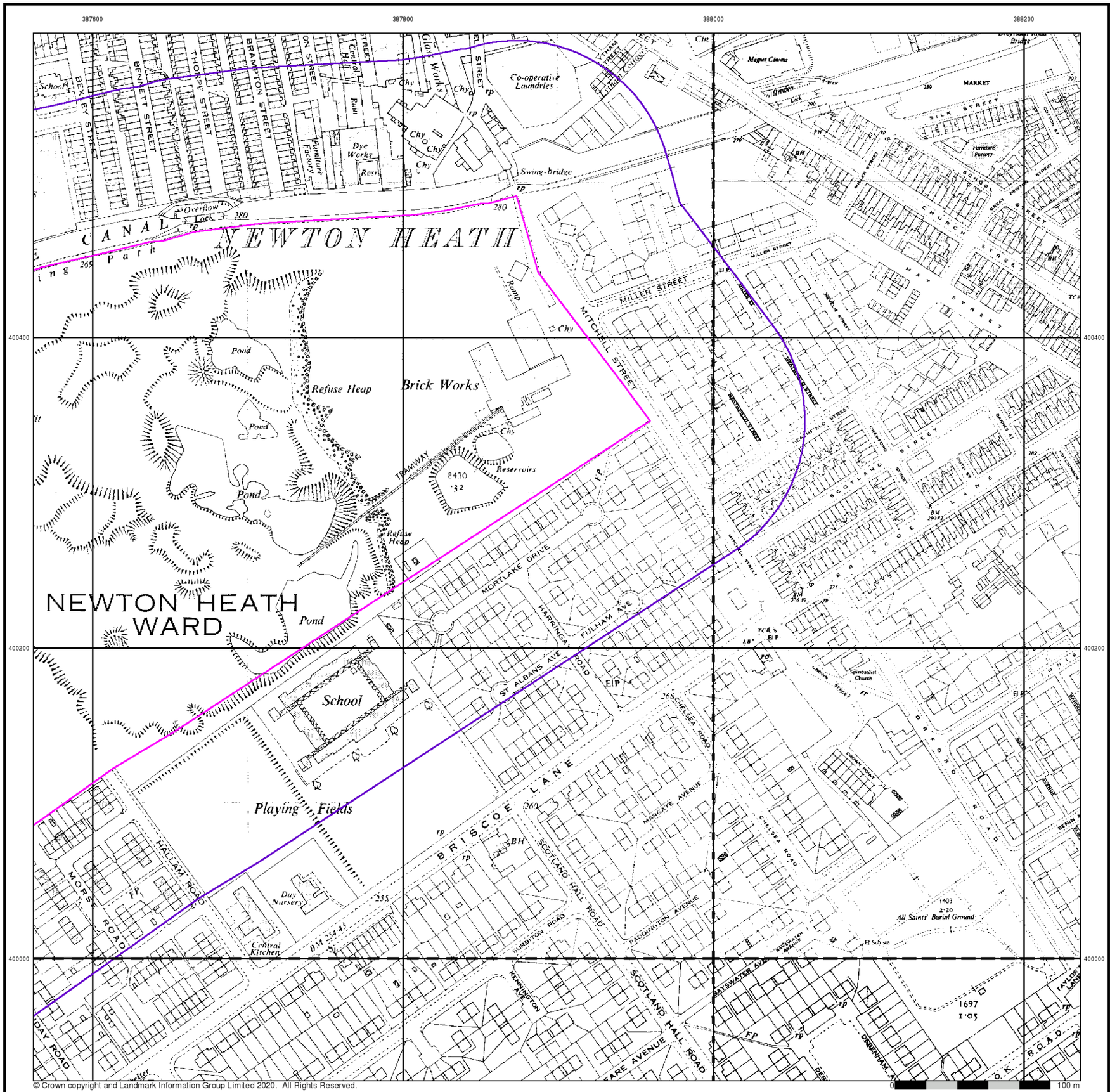
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

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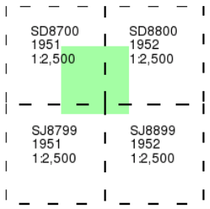
Ordnance Survey Plan

Published 1951 - 1952

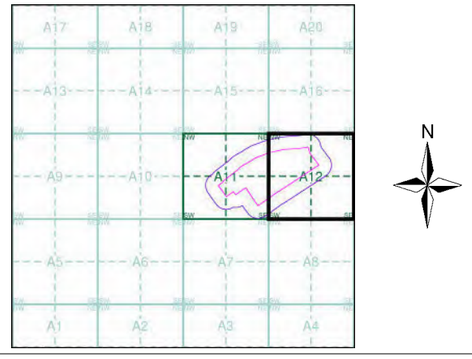
Source map scale - 1:2,500

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 A12



Order Details

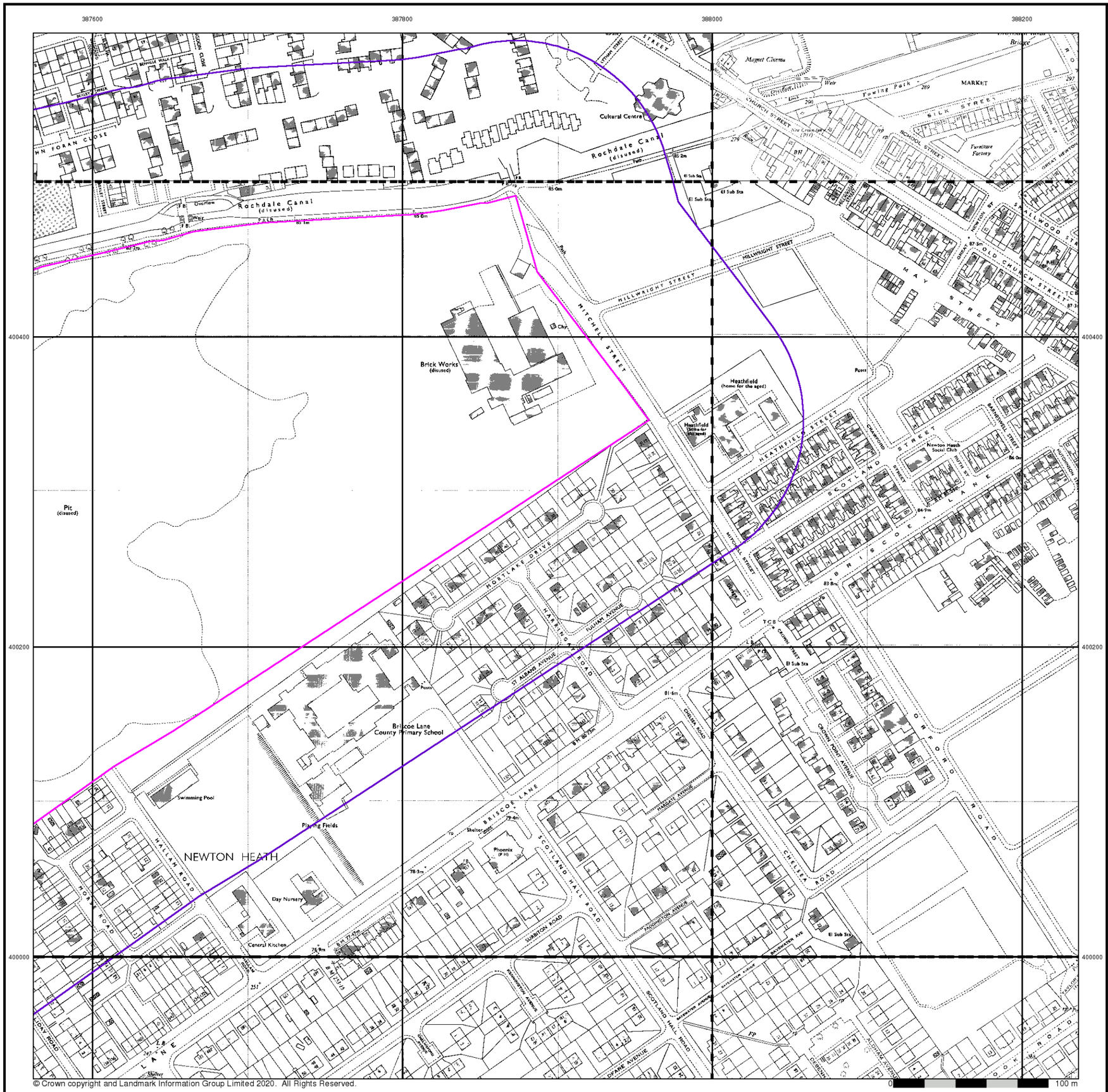
Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

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Ordnance Survey Plan

Published 1953 - 1980

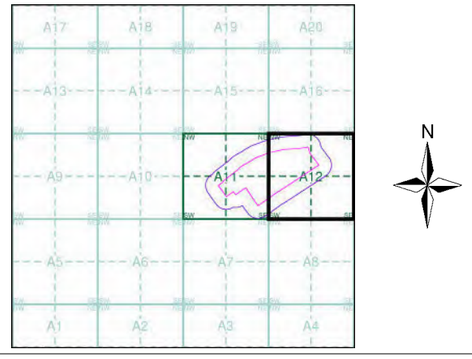
Source map scale - 1:1,250

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)

SD8700NE 1980 1:1,250
SD8800NW 953 1:1,250
SD8700SE 973 1:1,250
SD8800SW 972 1:1,250
SJ8799NE 1966 1:1,250
SJ8899NW 960 1:1,250

Historical Map - Segment A12



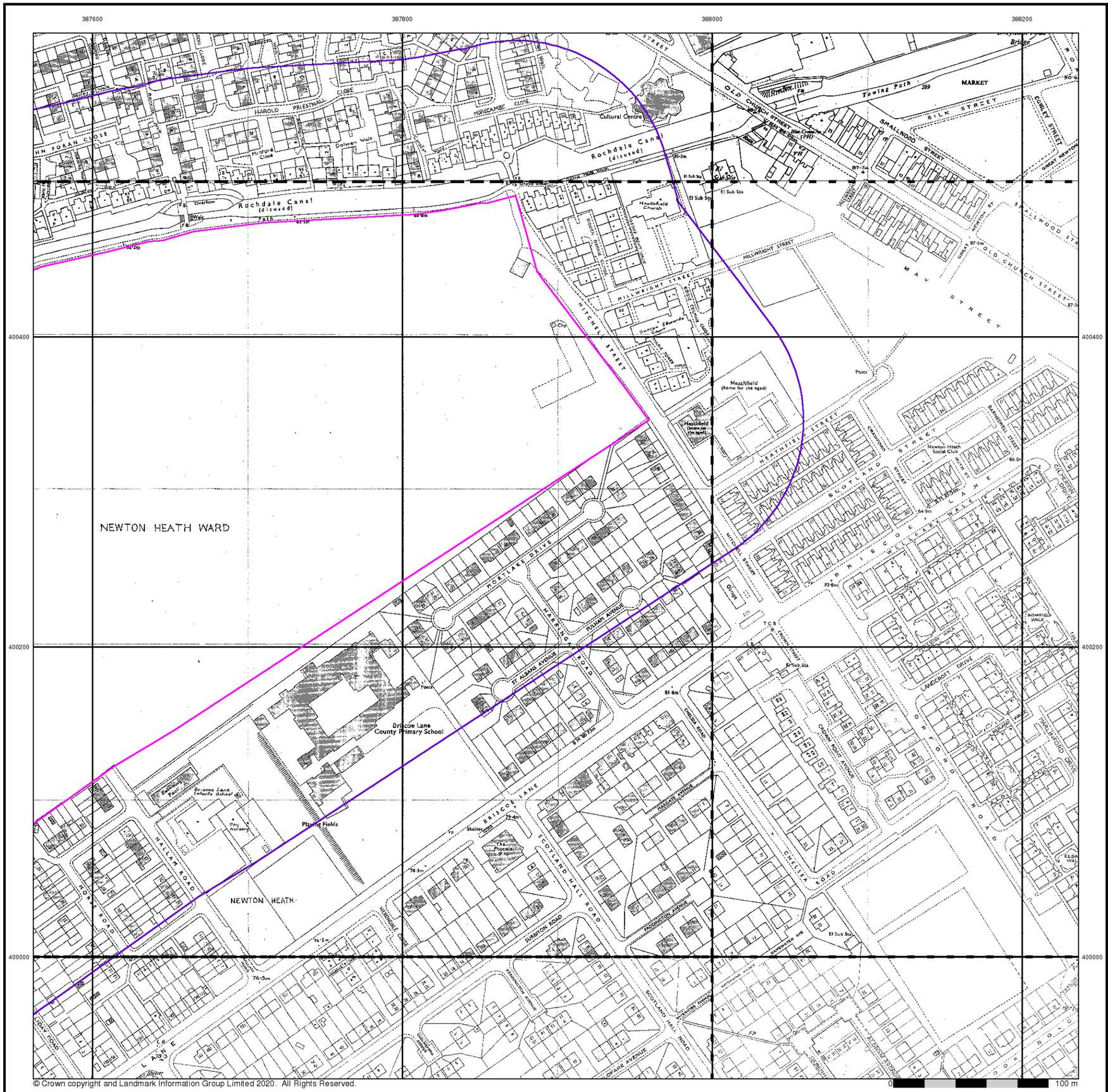
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

Site at 387600, 400310

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



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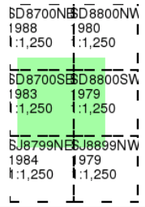
Additional SIMs

Published 1979 - 1988

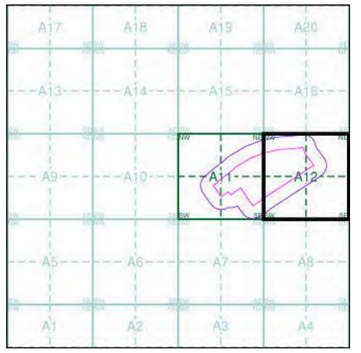
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A12



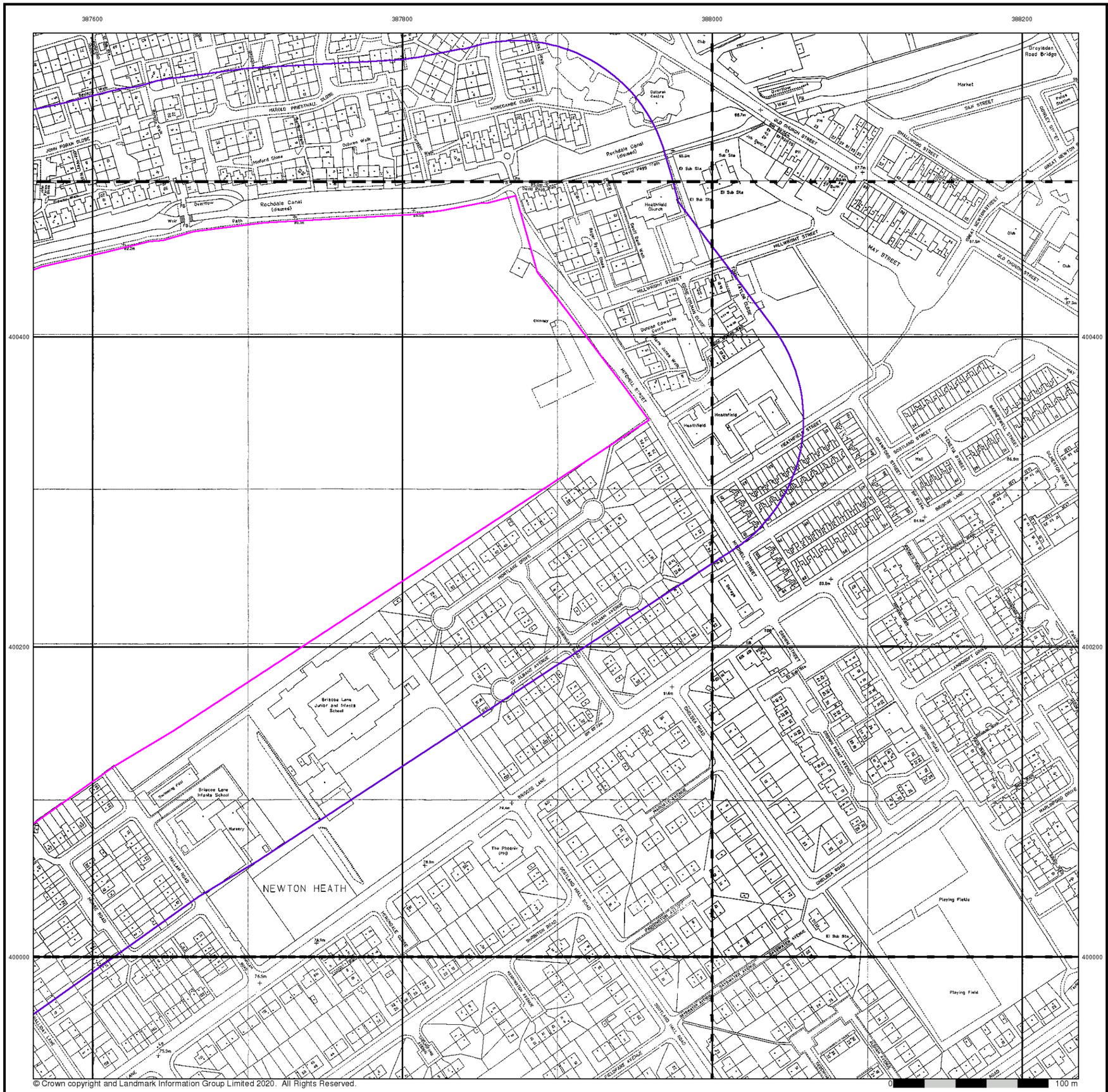
Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

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Large-Scale National Grid Data

Published 1992

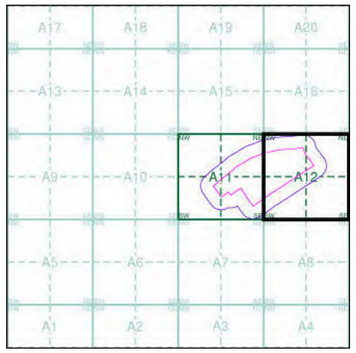
Source map scale - 1:1,250

'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)

SD8700NE 1992 1:1,250	SD8800NW 1992 1:1,250
SD8700SE 1992 1:1,250	SD8800SW 1992 1:1,250
SJ8799NE 1992 1:1,250	SJ8899NW 1992 1:1,250

Historical Map - Segment A12



Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

Site at 387600, 400310

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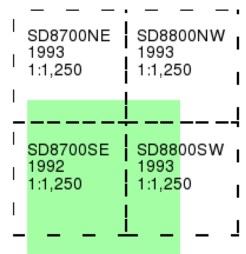
Large-Scale National Grid Data

Published 1992 - 1993

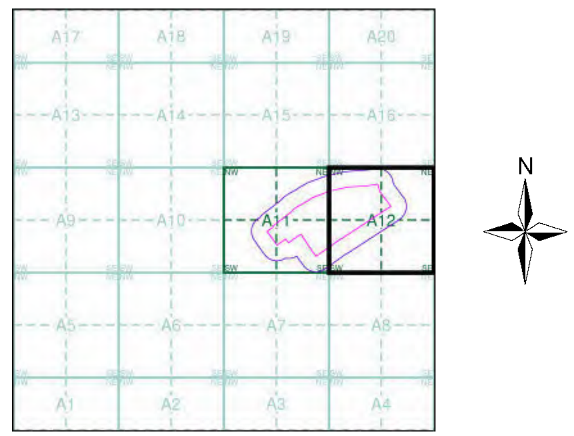
Source map scale - 1:1,250

'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 A12



Order Details

Order Number: 267713911_1_1
Customer Ref: Ten Acres
National Grid Reference: 387320, 400240
Slice: A
Site Area (Ha): 18.51
Search Buffer (m): 100

Site Details

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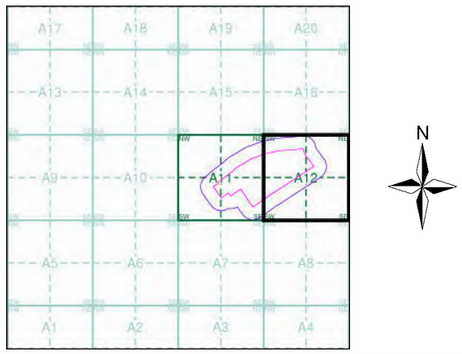


Historical Aerial Photography

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 A12



Order Details

Order Number:	267713911_1_1
Customer Ref:	Ten Acres
National Grid Reference:	387320, 400240
Slice:	A
Site Area (Ha):	18.51
Search Buffer (m):	100

Site Details

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