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Coal Mining Risk Assessment



Project Name: McDonalds, Birstall Retail Park

Location: Birstall Retail Park, Leeds, WF17 9TB

Client: Glanville Group

Project ID: JN2171

Report Date: 05 November 2026

Report Issue: 1

SUMMARY

The site in Birstall, Leeds comprises a McDonald's restaurant within a retail park.

It is proposed to extend the current McDonald's restaurant with a 'push out' extension along the western elevation.

Geological records indicate the site to be underlain by Made Ground, over Emley Rock, over Pennine Lower Coal Measures.

A review of historical maps was carried out and indicates that the site has a history of agricultural land use, before being developed into the retail park.

Based upon the finding of the Coal Mining Risk Assessment (CMRA) there is the potential for mining related instability at the surface across the majority of the site from historical workings within the Flockton Thin Coal seam.

Previous investigations for previous extensions undertaken in 2016, have confirmed shallow workings (7.5-12m bgl). Prior to the construction work the mine workings were treated with grout, below the proposed front extension to help mitigate the historical mining risk. As such we do not consider additional investigation to be necessary, but would once again recommend remedial work be undertaken prior to the proposed work being undertaken.

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

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

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

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For and on behalf of Southern Testing Laboratories Limited

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A INTRODUCTION

1 Authority

Our authority for carrying out this work is contained in an email from Howard Dowell of Glanville Group Ltd, dated 20th October 2026.

2 Location

The site is located in Birstall Retail Park, accessed off Bankwood Way. The approximate National Grid Reference of the site is SE 23700 27565. The site location is indicated on Figure 1 within Appendix A.

3 Proposed Construction

It is proposed to construct a push out extension as per the AEW Architects dwg 15459_AEW_0472_0004, dated October 2026, within Appendix A.

4 Object

This is a Coal Mining Risk Assessment.

The object of this investigation was to review the historic maps and coal mining legacy, based on desk study information only.

5 Scope

This report presents our desk based Coal Mining Risk Assessment. No intrusive investigation has been carried out for this specific assessment.

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

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

The recommendations contained in this report may not be appropriate to alternative development schemes.

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

B COAL MINING RISK ASSESSMENT

6 Application

We understand that no application has been submitted for the proposed extension, but this report will be provided in support of any future applications.

Southern Testing Laboratories Limited has been commissioned to prepare a desk based coal mining risk assessment report for the proposed extension, in order to provide the council with information on coal mining and an assessment of its impact on land stability.

7 Scope

The purpose of this Coal Mining Risk Assessment Report is to:

- Present a desk-based review of all available information on the coal mining issues which are relevant to the site.
- Use that information to identify and assess the risks to the proposed development from coal mining legacy, including the cumulative impact of issues.
- Set out appropriate mitigation measures to address the coal mining legacy issues affecting the site, including any necessary remedial works and/or demonstrate how coal mining issues have influenced the proposed development.
- Demonstrate to Kirklees Council that the application site is, safe and stable to meet the requirement of national planning policy with regard to development on unstable land.

This report presents our desk–based coal mining risk assessment findings and our interpretation of this data.

8 Sources of information used to inform this report

- British Geological Survey Map 1:50,000 scale sheets No. 77 (Huddersfield)
    - Solid & Drift (2003)
- BGS Geological Map (1999) 1:10,000 SE22NW
- British Geological Survey online mapping.
- British Geological Survey Borehole Records Archive.
- Historic Ordnance Survey mapping of the area.
- A review of the Coal Authority's interactive viewer.
- Consultants Coal Mining Report (ref 51003601380001, October 2026).
- Geological of the Huddersfield District – A brief Explanation of the geology map 77 (BGS).
- Previous Report (STL)

9 Mapped Geology

The British Geological Survey Map No 77 (Huddersfield) indicates that the site geology consists of Made Ground over Emley Rock over Pennine Lower Coal Measures.

9.1 Made Ground

"Fill" and "made ground" are terms, which are used interchangeably to describe material that has been placed by man. It may have been placed in a controlled or uncontrolled manner and if the latter term applies then very great variations in material type, depth and density are likely to occur. Old refuse filling often contains sulphate rich materials, heavy metals and other dangerous chemicals, and may produce methane gas.

Many fills are subject to high and variable amounts of settlement when loaded. Apart from the direct effect on foundations and floor slabs this would cause down drag on piled foundations.

The inherent variability means that areas of noxious materials may be found, although careful sampling procedures may have failed to locate them during prior investigations. It is important that a watchful eye is kept during all site works, so that any unusual materials can be spotted and removed from site or analysed as appropriate.

It is emphasised that there can be great variability in fill depth, sometimes with a vertical interface between fill and natural ground, and this can play havoc with job costings. To safeguard the integrity of a structure it is prudent to probe all foundation excavations with a suitable tool prior to placing foundation concrete. The Perth Penetrometer is a suitable tool but there are many others.

9.2 Emley Rock

Fine-grained flaggy sandstone with mudstone partings.

9.3 Pennine Lower Coal Measures

Interbedded grey mudstone, siltstone and pale grey sandstone, commonly with mudstones containing marine fossils in the lower part, and more numerous and thicker coal seams in the upper part.

9.4 Mapped Geology (1:50,000 Maps)

The British Geological Survey Map No 77 (Huddersfield) indicates that the site geology consists of Made Ground over Emley Rock over the Pennine Lower Coal Measures.

The geological maps show the following Coal Seams to be at shallow depth beneath the site.

- Flockton Thin Coal seam 0.3-1.4m thick
- First Metal Brown Coal Seam 0.0-0.8m thick (also known as Top Fenton Coal)

The Flockton Thin Seam is shown to outcrop to the south/ south-east of the site at the base of the Emley Rock. Below this, and above the Birstall Rock, the First Metal Brown Seam (Top Fenton) is also shown to outcrop. Both seams are likely to lie at shallow depth below the site, and whilst the Flockton Thin is not recorded in the Consultants Mining Report, the Top Fenton (First Metal Brown Seam), is recorded at 34m below the site. A fault is shown a short distance to the north-west, down thrown to the south-west.

10 Detailed Geological Mapping & Interpretation

A review of the 1:10,000 geological map, Birstall (SE22NW), indicates that there is one geological fault present to the west of site, and there are a couple of other faults mapped to the north-east of site.

The 1:10,000 maps show similar features to the 1:50,000 map, although several other *thin Coal* seams are recorded below the Flockton Thin Coal. An opencast site, having worked the Flockton Thick and Thin, is shown a short distance to the north-west. Neither maps show dips within the fault block and, more widely within the district, most fault blocks and broadly horizontal to sub-horizontal, with no steep dips.

Based on the Generalised Vertical Section (GVS) the following sequence could be anticipated below the site.

Strata	Approx Thickness (m)	Approx. Depth to Base
Made Ground	0.6m	Up to 1.6m
Emley Rock	*0.5-7.0m*	*Up to 8.6m*
Flockton Thin	*0.3-0.8m (up to 1.4m)*	*Up to 10m*
Coal Measures	*20-25m*	*30-40m*
First Metal Brown (Top Fenton)	*0.0-0.8m*	*31-40m*
Birstall Rock	*0.0-31m*	*TBC*

11 Historical Borehole Records

A search of historic exploratory hole records both from the online British Geological Survey database [4], revealed multiple entries within the near vicinity of this site. We have summarised the closest three, one of which is very close to site with the other two from a short distance to the east of the site.

BH Reference	Final Depth (mbgl)	Distance from site (m) & Direction	Remarks
SE22NW752 (BH9)	11.25m	5m to the north	0-0.85m residual superficial boulder Clay, over weathered Sandstone to 3.65m, over Sandstone with laminated shale to 10.2m, where broken shale and collapsed ground was encountered to 11m resulting in a loss of drilling flush, over Clay and mudstone.
SE22NW745 (BH2)	8.45m	65m to the east	0-1.45m residual superficial boulder Clay, over weathered Sandstone to 2.15m, over bands of clay and Sandstone with laminated shale to 5.7m where broken ground is noted of sandstone with shale, before being noted as collapsed ground from 6.4-7.55m with fragments of coal, under which is a soft Clay becoming firmer with depth. Drilling flush was lost within the broken sandstone and shale above the collapsed ground.
SE22NW746 (BH3)	9.3m	80m to the east	0-1.6m of residual superficial boulder Clay, over weathered Sandstone to 3.1m, over Sandstone with laminated shale to 8m. From 8-8.6m the ground was noted as broken sandstone and shale, over Collapsed ground from 8.6-9.05m, over Clay initially soft becoming firmer. Drilling flush was lost at 5.8m.

In addition, for a summary of our previous investigation on site dating from 2016 (see section 8 below).

12 Historical Ordnance Survey Maps

Copy extracts of historical Ordnance Survey plans dating from 1852 to 2026 were obtained and are presented in Appendix B. A summary of the salient features is presented below.

In summary, the first map showed the site to be open fields. Two sandstone quarries were present approximately 90m to the west and north-west of the site. A coal pit was present approximately 100m to the south-west and 100m to the north. Geldred Road was present approximately 80m to the west and the Batley Branch railways approximately 100m to the south-west.

By 1893/4, although the site appears unchanged, a track was present close to the northern boundary; a coal pit was noted around 50m to the west and two glasshouses just off the western boundary. Approximately 200m to the north, an old colliery and shaft was noted. Approximately 250m to the south was a larger colliery, which was later named as Howden Clough Colliery.

The 1907 map showed an old shaft within the former coal pit to the west, within 100m, with the glasshouses no longer shown, and a small building present around 60m to the north-west. The Heaton Lodge & Wortley Line was also present, approximately 250m to the east. The previously annotated ‘old colliery’ to the north was now noted as Horse Rigs Colliery.

By the 1922 Horse Rig Colliery appeared abandoned, again, with old shafts noted. The small building to the north of site had expanded and some soil cutting or filling was recorded alongside the road.

The site and surrounding area remained largely unchanged until the 1948/1956 maps, when a building was shown to the north-east of the site, accessed via a track of Geldred Road. The large scale 1956 map appears to show a pit next to Geldred Road. Some up-filling of ground levels was taking place a short distance to the south, possibly associated with spoil from the nearby Howden Cough Colliery, which itself was marked as disused in 1955.

The site and surrounding area remained largely unchanged until the mid-1970's, by which time the two railways had been dismantled and the M62 junction had been built. By the early 1990's, the surrounding retail area was under construction, with Woodhead road and Bankwood Road present forming the eastern site boundary, together with the cinema and car park occupying the land just to the east. Development continued to the north and south of the site, with the existing restaurant first shown on site on the 1993 map, fairly late on in the wider scheme, which appears largely complete by the mid 1990's.

The retail park in the northern section, including the subject site, has not changed much whilst to the south-east parts of the 1990's development has been demolished.

13 The Coal Authority's Interactive Map Viewer

The Coal Authorities interactive viewer shows the following.

Coal Authority Category	Yes/No
Mine Entry close to site	Yes: 2 records approximately 50m northeast.
Development High Risk Area	Yes within a high development risk area
Surface Mining (past and current)	No
Past shallow coal mine workings	No
Probable shallow coal mine workings	Yes
Coal Outcrop on site	No
Coal Outcrop close to site	Yes
Coal Mining Reporting Area	Yes

14 Consultants Coal Mining Report

The full report (ref 51003601380001), is included within Appendix C, a summary is present below.

Mining Activity & Geology	
Past underground mining record	Yes: **See section 15 below.**
Probable unrecorded shallow workings	Yes
Spine Roadways at shallow depth	No spine roads recorded at shallow depth.
Mine Entry	Two mine shafts recorded within 50m of site. North-west of site.
Abandoned mine plan catalogue numbers	2978, S5110, S2510, 6186, 7875, S2772, OM11395, S2779 and 12671
Outcrops	None Recorded on site.
Geological faults, fissures and breaklines	No faults fissures or breaklines recorded by the Remediation Authority.
Opencast mines (within 500m)	Numerous unlicensed opencast mines recorded within 500m. Both north-west and south-east of site. See Summary of findings Map in Appendix B.
Coal Authority Managed Tips within 500m	None recorded within 500m.
Investigation or Remedial Activity	
Site investigation	The Remediation Authority hold records of one SI 45m south of site.
Remediated sites	None recorded within 50m* by the Remediation Authority.
Coal mining subsidence	The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.
Mine gas	None recorded within 500m.
Mine water treatment schemes	None recorded within 500m.
Licencing & Future Mining Activity	
Future underground mining	None recorded.
Coal mining licencing	None recorded within 200m.
Court orders	None recorded.
Section 46 notices	No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.
Withdrawal of support notices.	The property is not in an area where a notice has been given under section 41 of the Coal Industry act 1994, cancelling the entitlement to withdraw support.
Payments to owners of former copyhold land	The property is not in an area where a relevant notice has been published under the Coal Industry act 1975/Coal Industry Act 1994.

*Grouting plans have been identified for the McDonalds site.

15 Recorded Underground Coal Mining

Seam	Depth (m)	Direction to working	Extraction thickness (cm)	Year last mined
Top Fenton*	34m	North-East	60	1905
Middleton Main	80m	Beneath site	122	1875

**Also known as the First Metal Brown Coal seam*

16 Identification & Assessment of Site Specific Coal Mining

The table below summarises the potential risks associated with coal mining legacy for the proposed development on site, identified from the various sources listed above.

16.1 Risk Assessment

Coal Mining Issues	Potential Risk	Risk Assessment
Underground coal mining (recorded at shallow depths)	Yes	The Consultants Mining Report, has record of workings within the Top Fenton (First Brown Main), at 34m depth. In addition, the investigation undertaken in 2016 records workings within the Flockton Thin Coal at depths of between 7.5-12m bgl.
Underground coal mining (probable at shallow depths)	Yes	See above. None recorded by the Coal Authority, however previous works have encountered shallow workings within the Flockton Thin Coal.
Mine entries (shafts and adits)	No	The closest recorded is approximately 50m from the site. A low risk of unrecorded entries does however remain.
Coal mining geology (fissures)	No	Not recorded on Coal Authority data.
Record of past mine gas emissions or potential	No	Not recorded on Coal Authority data.
Recorded coal mining surface hazard	No	Not recorded on Coal Authority data.
Surface mining (opencast workings)	No	No opencast mining has been recorded on site.

17 Previous Investigation

A brief summary of the previous work undertaken by ourselves for the site is provided below.

17.1 Southern Testing Laboratories Limited: Phase 1, Phase 2 & Mining Risk Assessment (2016) – McDoanlds, Birstall (JN0798)

The report included the redline boundary of the McDonalds restaurant and was focused around a northern elevation extension.

The investigation comprised of a foundation exposure and three Rotary cored boreholes (14.5m, 14.7m and 28m deep), using water flush techniques. Gas monitoring was also undertaken as part of the assessment.

The ground conditions comprised made ground to depths of 0.5m bgl, over initially weathered becoming weak to moderately strong Sandstone to depths of 3.0-4.2m bgl, over the Pennine Lower coal measures (Interbedded Siltstone and Sandstone) with a void/coal workings encountered between 9.15 and 12m above a dark coal bearing Clay to 12.6m, then back into interbedded Siltstone and Sandstone.

The investigation confirmed that the Flockton Thin Coal seam appears to have been mined at shallow depth (7.5-12m) below site.

The report found a minimum rock head thickness of 8.0m with a maximum coal working thickness of 1.1m. This ratio (1:8) was less that the accepted 1:10 required. As such, they presented a hazard unless they are treated due to floor heave, crushing of pillars, roof collapse and long term migration of voids to the surface. Remedial measures were required, largely involving consolidation of the unstable areas by means of drilling and the pressure injection of grout to infill the remaining voids.

The report also made the following conclusions:

- No Groundwater was encountered
- For the proposed structure, the report provided recommendations for Raft foundation with an allowable bearing pressure of 80KN/m^2. This was based on the void/workings being fully grounded and tested.
- The Design Sulphate Class DS-1 and ACEC class AC-1 was recommended for the concrete specification.
- With regard to contamination testing undertaken, there was no evidence of significant contamination.
- The gas monitoring program concluded ground gas levels did not present a significant risk to the development and therefore CS-1 conditions applied. Radon protective measures were also not required.

18 Mine Workings Treatment: Forkers Ltd

As part of the previous site development in 2016, and recommendations from the CMRA and site investigation work, we understand that remediation of the coal workings below the site was undertaken by Forkers Ltd. The treatment work reportedly comprised drilling to the base of the coal seam (approximately 12m) and injecting a cementatious grout to fill the majority of any remaining voids. Our understanding is that the treatment work only focused on the proposed front bay extension. We have not seen a copy of the Forkers Ltd.

See drawing 4150759-2000 R (Appendix A), dated March 2016 for proposals.

18.1 Discussion & Conclusions

The site is located in an area of known previous mining activity. Previous investigations in 2016 confirmed the presence of abandoned mine workings at a shallow depth below the site (7.5-12m). As such, prior to site redevelopment in 2016, a mine treatment exercise was undertaken, grouting the proposed area for the front bay extension.

On the basis of the earlier investigation work, additional fieldwork at this time is not considered necessary. However, we would again recommend treatment of the mine working below the proposed extension, as a minimum, with considerations given the remainder of the structure, see drawing 15459_AEW_0472_0050, dated 08/10/26 (Appendix A) for proposals.

REFERENCES

[1] Environment Agency, “Updated technical background to the CLEA model,” 2009.

[2] Contaminated Land: Applications in Real Environments (CL:AIRE), “Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination,” 2014.

[3] CIRIA, “C665 Assessing risks posed by hazardous ground gases to buildings,” 2007.

[4] British Geological Survey (BGS), “Borehole Scans,” [Online]. Available: http://www.bgs.ac.uk/data/boreholescans/home.html.

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[6] Public Health England, “UK Radon Maps,” [Online]. Available: http://www.ukradon.org/information/ukmaps.

[7] British Geological Survey (BGS), “Hydrogeology Maps of the UK,” [Online]. Available: http://www.bgs.ac.uk/research/groundwater/datainfo/hydromaps/hydro_maps_scanviewer.html.

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[9] British Geological Survey (BGS), “Geology of Britain Viewer,” [Online]. Available: http://www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html.

[10] BSI Standards, “Eurocode 7 Geotechnical Design,” 2013.

[11] CIRIA, “C681 Unexploded Ordnanace (UXO) A guide for the construction industry,” 2009.

[12] Building Research Establishment (BRE), “BR211 Radon Guidance on protective measures for new buildings,” 2015.

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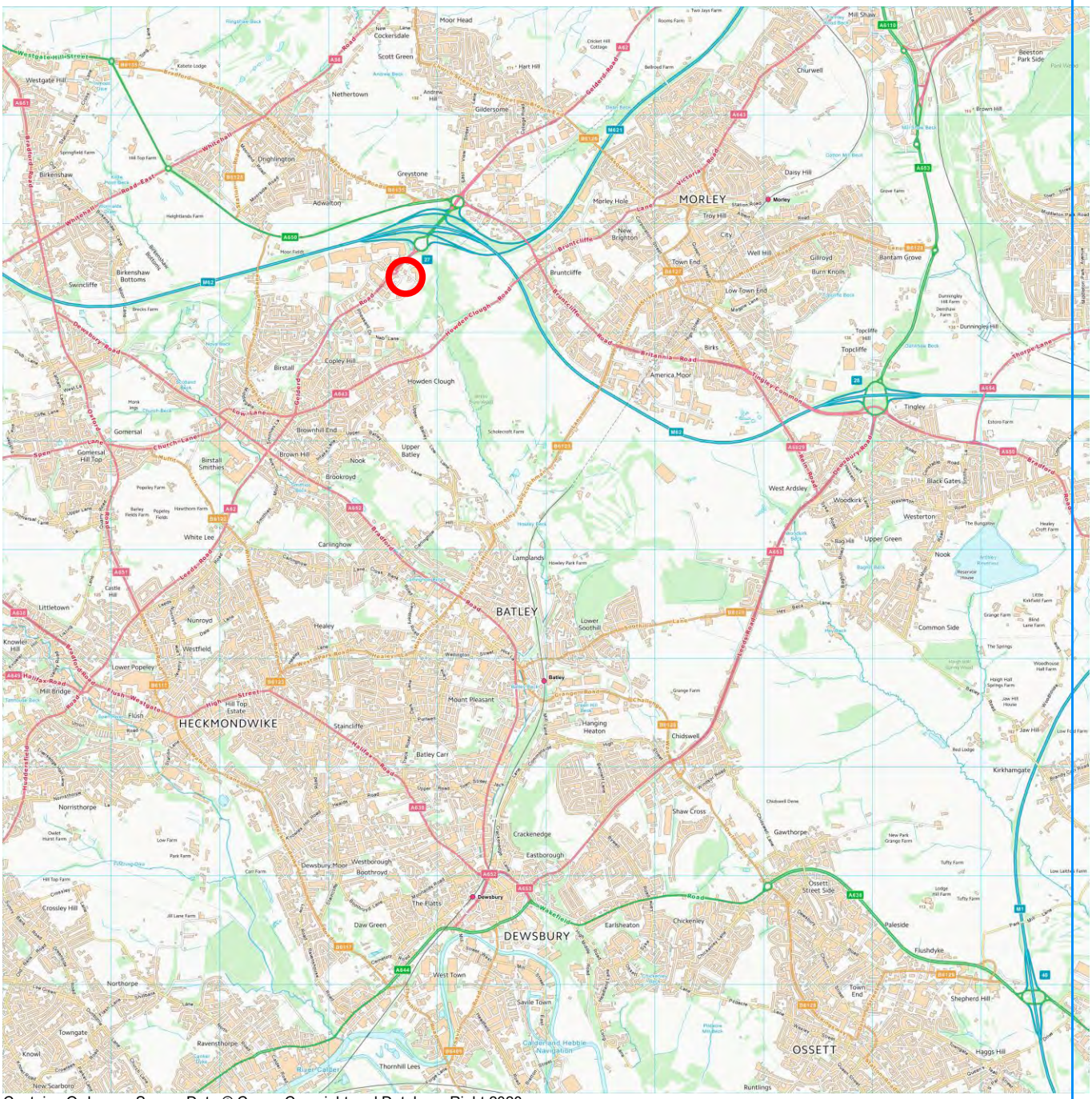


APPENDIX A

Site Plans

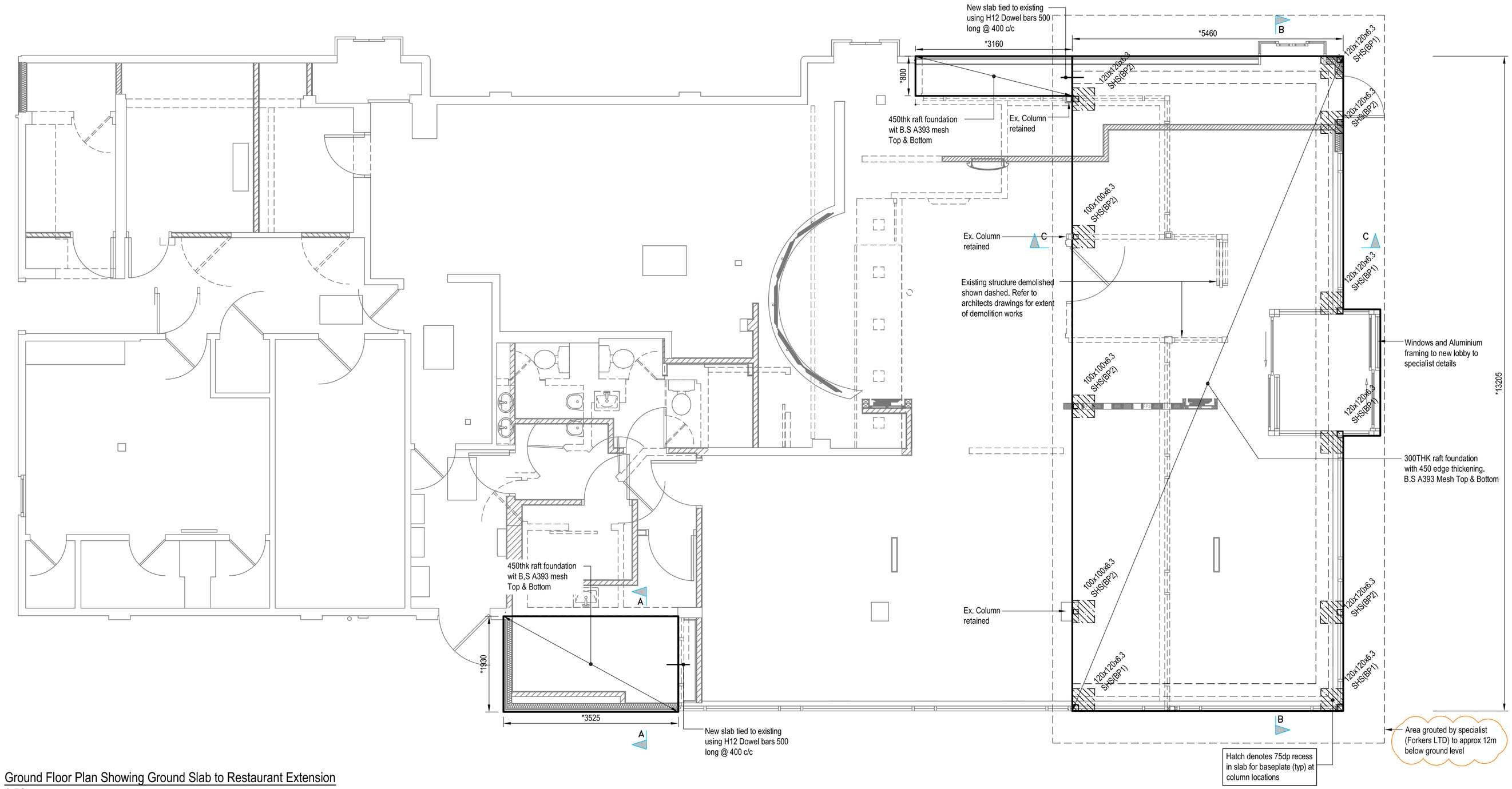


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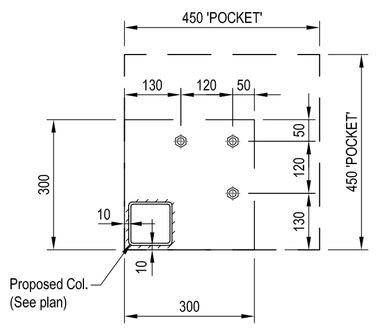
Contains Ordnance Survey Data © Crown Copyright and Database Right 2020

Site:	Birstall, McDonalds	Project ID	JN2171
Figure 1	Site Location Plan	Date:	22/10/2026



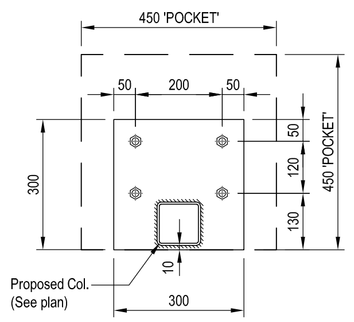
Ground Floor Plan Showing Ground Slab to Restaurant Extension
1:50

15THK BASE PLATE WITH 6mm FW.
FIXING TO BE M16 RESIN ANCHORS OR SIMILAR APPROVED FIXED TO MANUFACTURERS RECOMMENDATIONS.



Base Plate Type (BP1) - 5No. Req'd
1:10
(Note orientation on plan)

15THK BASE PLATE WITH 6mm FW.
FIXING TO BE M16 RESIN ANCHORS OR SIMILAR APPROVED FIXED TO MANUFACTURERS RECOMMENDATIONS.



Base Plate Type (BP2) - 6No. Req'd
1:10
(Note orientation on plan)

NOTES

1. This drawing must not be scaled; work to figured dimensions only.
2. Drawing to be read in conjunction with all relevant architects drawings and specifications.
3. Unless noted concrete to be minimum grade C25/30; Design Sulphate Class DS-1 ACEC Class AC-1; Design Chemical Class DC-1/0.
4. Maximum aggregate size 20mm.
5. Nett allowable bearing pressure 150kN/m²
6. Trenchfill foundation taken down to siltstone.
7. Below slab excavate to remove loose made ground and replace with Type 1 granular material thoroughly compacted in layers not exceeding 200mm thick.
8. 50mm concrete blinding to be provided beneath all insitu reinforced concrete elements.
9. 40mm concrete cover to be provided to all reinforcement
10. Proprietary chair bars and spacers to be used to adequately support and maintain correct concrete cover to reinforcement throughout.
11. All new steelwork is to be blast cleaned to SA2½ and then painted with zinc phosphate primer (2no. coats to give minimum dry film thickness of 75 microns)
12. All steelwork grade s275.
13. All welds to be 6mm FW.
14. All dimensions are indicative and are to be confirmed with the architect and/or measured on site prior to ordering materials or fabrication.
15. Design floor load 3.0kN/m²

CDM NOTES

1. The location and depth of any services in the ground below the new extension are presently unknown. In the absence of firm information the contractor shall enquire of the statutory undertakers the position and depth of their equipment.
   The contractor shall in any case undertake a CAT scan to locate any services on site.
2. Prior to any demolition or opening up works to the existing building the contractor shall identify and isolate or otherwise make safe any existing services.
3. Drain runs and levels to be identified on site and advised prior to construction.
4. There is no site investigation report available for this site.

* ALL SETTING OUT DIMENSIONS DENOTED TO BE CHECKED AND CONFIRMED WITH ARCHITECT/ SITE DIMENSIONS PRIOR TO COMMENCEMENT OF WORK ON SITE

EXISTING COLUMN POSITIONS AND EXISTING ROOF STEELWORK DETAILS TBC ON SITE

SLAB SETTING OUT T.B.C BY ARCHITECT PRIOR TO COMMENCEMENT OF WORKS ON SITE

FOUNDATION DESIGN DETAIL SUBJECT TO INVESTIGATION

Rev.	Description	Date	Chkd
R	Record Issue	02.10.17 J.B	HD
P1	First Issue	21.03.16 J.W	HD

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Client : McDonald's RESTAURANT

Project : McDonald's
Leeds, Birstall
(ST 0472)

Title : General Arrangement
Proposed Ground Floor
& Column Layout

Project Engineer :	H.D	Scale :	As Shown @A1
Project Director :	N.P	Date :	March 2016
Status :	Record		

Drawing No. 4150759-2000 Rev R

N

0 0.5 1.0 1.5 2.0 2.5m

Scale 1:50

ESSENTIAL INGREDIENTS 2.0 FURNITURE LEGEND

TABLES

ESSENTIAL INGREDIENTS 2.0 TABLES FINISHES AVAILABLE IN:

Table Tops: Lamitech: ONTARIO OAK 1540 MT, ANTIQUE WHITE 2100 MT
Powder Coated Pedestal in RAL 7022

TABLE T1 600x600mm/750mm H — T-01
TABLE T2 800/1000mms/750mm H — T-02
TABLE T3 1000x600mm/750mm H — T-03

T2 Available with Anchorage - TAC

HIGH & LOW COMMUNAL TABLE:
LOW TABLE - 750mm H **HIGH TABLE** - 950mm H
Table Tops: Lamitech: ONTARIO OAK 1540 MT, SALT + PEPPER 4117 MT with green edge strip. Powder Coated Pedestal in RAL 7022

Available in Sizes below:
2100x550mm 1400x550mm

L COMMUNAL 2150x650 — WALKWAY 1400 / WALKWAY 2100
H COMMUNAL 2100x650 — WALKWAY 1400 / WALKWAY 2100

HIGH LOOKOUT TABLE:
2200x400mm x 950mm H - ONTARIO OAK 1540 MT
Powder coated steel legs and Modesty Panels in RAL 7022

HIGH LOOKOUT

HIGH KIT UP TABLE:
6 Seater: 1800 x 650 x 950mm H
Table Top: ONTARIO OAK 1540 MT with green edge strip.
Powder coated steel legs in RAL 7022

HIGH TABLE 1440x650

ROUND TABLE:
2 Seater: 550mm Ø x 750mm H, MAGIC Table 1500mm Ø x 750mm H
Table Top: ONTARIO OAK 1540 MT, ANTIQUE WHITE 2100 MT
Powder coated steel legs in RAL 7022

RTL-MAGIC

LEMON TABLE:
5 Seater: 900mm x 900mm x 750mm H
Table Top: ONTARIO OAK 1540 MT, ANTIQUE WHITE 2100 MT
Powder coated steel legs in RAL 7022

T-08 T-08

LOW & HIGH CHAIRS FINISHES AVAILABLE IN:
460mm W x 560mm D x 1020/860mm H

CH1 — LOW CHAIR: Wood / Salt + Pepper Laminate with Grey frame.
CH2 — HIGH CHAIR: Wood / Salt + Pepper Laminate with Grey frame.
CH3 — LOW CHAIR: Laminate with Brown vinyl seat pad & Grey frame.
CH4 — HIGH CHAIR: Laminate with Brown vinyl seat pad & Grey frame.

BENCH / BANQUETTE SEATING:
Sizes 1800mm / 1200mm / 1125mm & 1575mm
Upholstered seat pad in Tan/Brown Vinyl or Chateau powder coated steel legs.

SEATING

B-765 B-1375 B-1375
B-1075 B-1225 B-1375

CORNER BENCH:
To be used with Lemon Table.

LOW & HIGH STOOLS:
LOW - Ø 350mm x 460mm H
Black vinyl seat pad with Salt + Pepper vinyl stool body
HIGH - Ø 350mm x 650mm H
Tan vinyl seat pad & Black vinyl stool with green trim
Powder Coated steel legs in RAL 7022. Foot rest 210mm H

LS HS

ARMCHAIR:
Upholstered seat pad and backrest in Green / Tan vinyl with powder coated steel legs.

AC-01 AC-02

PARTITIONS

SCREEN DIVIDER
Sizes 960mm x 2700mm H - site specific
Matte powder coated frame RAL 7022 with clear acrylic with self-adhesive film

PARTY ROOM/ FAMILY FUN CORNER SCREEN DIVIDER
Sizes 1200mm x 2700mm H – site specific TBC
Matte powder coated frame RAL 7022 with clear acrylic with self-adhesive film- Icons graphics

WINDOW SHUTTER
Sizes 960mm x 2700mm H / 1620mm H - site specific
Matte powder coated frame RAL 7022 with printed mesh

Marketing Elements	2022_V6
	Digital price board - 32" DRB-P32
	Digital window poster (instore) - 46" Exterior facing - DWP EXP46 Enterior facing - DWP INP46
	Order ready board- 32" ORB-L32
	PROMO BOARDS 2 x 49" portait screens
	Doubled side self order kiosk (SOK)
	Single sided self order kiosk (SOK)
	Aircharge Mobile phone charging solution
	Tablet table. 700mm screen in scheme specific laminate finish required if power/data cant be accessed through floor.

Colour Reference
Equipment to be removed
New equipment/furniture (or indicated by coloured hatch)
Existing/furniture equipment
Relocated/furniture equipment
Future/optional equipment
New construction
Existing structure to be removed
Existing 30 minute fire rated wall
Existing 60 minute fire rated wall
Proposed 30 minute fire rated wall
Proposed 60 minute fire rated wall

NB. Grout to mine workings by specialist

450 raft A393 T&B. Dowels into existing slab.

Existing col

Existing col

Existing cols here

2no. 120x4 SHS

2no. 120x4 SHS

2no 180x90 PFC

2no 180x90 PFC

2no. 100x5 SHS

Patch repaired floor & WR wall finishes throughout Kitchen

New external wall to match existing

2No. new banks of McDelivery lockers & POS 2

New NEXT cash at presenter & POS 17

Design TBC by McDonalds

New ready on arrival shelving

Relocated column. Subject to S.E confirmation

New Galley Beverage Cell:
- New ABS & mixology station
- 3No. relocated coffee machines & hot choc
- Relocated shake machine, McFlurry freezer, ice machine, BIC & multideck chiller
- Future proof ice machine space
- New single hand wash sink

Relocated stack of 3No. high chairs

New hand wash sink

Silver RBC equipment

stud wall

Relocated columns. Subject to S.E confirmation

New/relocated Kitchen equipment - H+K to advise

Relocated columns. Subject to S.E confirmation

Relocated OAT wall

Relocated column. Subject to S.E confirmation

2No. new servery tables - H+K to advise

New full height glazed screen with gradient

New stud wall with 1No. new portrait 50" screen - see elevations for details

Extension 6.8m²

9805
7305 Extension

940 Extension

Thawing

Kitchen

Fridge 6.2m²

Freezer 7.6m²

Office 6.8m²

Corridor 13.6m²

Cleaner's Cupboard 1.2m²

Crew Room 17.9m²

Dry Store 14.2m²

Crew Change 1.4m²

Crew WC 2.8m²

Crew WC 1.5m²

WC Lobby 6.9m²

Male WC 8.3m²

Accessible WC 3.5m²

Female WC 9.6m²

MULTIPLEX

ARCA COLA

Servery Table

Cash At Presenter

Beverage Cart

1 x 50" Digital Screen

Dining Area 95.6m²

2304 Glazed Screen

Lockers

RWP

ORB

New booth seats, tables & low stools. New sockets

New benches, tables & chairs

New price menu board

New NEXT service counter & ORB installed at hight level

New maxi recycling unit

Rehanded entrance glazing & sliding doors

Relocated column. Subject to S.E confirmation

2No. relocated double SOKs

New benches, tables & chairs. New glazed screens

Existing glazing redecorated in RAL 7022 internally & externally

New Crew Room furniture and new wall finish to one wall

New flooring to Crew Room & Crew WCs

New boxed out wall

Relocated chicken VATs & grills as per DWG comments

Only works to Customer WCs & WC Lobby - Acid wash to floor & wall tiles

New bespoke curve bench, benches, tables, chairs & low stools

New boxed out wall with PAM installed at high level & recessed HMU with blade

New low communal tables & low stools

New boxed out columns & RWP

New glazed screen & mini condiment unit

All new window shutters

New bespoke curve bench, benches, tables, chairs & low stools

Floor Plan

Scale 1:50

Proposed GA Plan

Glanville
Proposed Structure
13/10/26.
Britspace E195 mk 1.

NEXT + Reimage
E.I 2.0

NOTES

- All dimensions and levels are to be checked on site.
- Any discrepancies are to be reported to the architect before any work commences.
- Whilst information on this sheet is issued to scale, scaling directly from this drawing may result in inaccuracies. For precise measurements, refer to the stated dimensions or contact the Architect.
- This drawing shall not be reproduced without express written permission from AEW.
- Title overlay drawings and ownership boundaries are produced using all reasonable endeavours. AEW cannot be responsible for the accuracy or scale discrepancy of base plans supplied to them.
- All works are to be undertaken in accordance with Building Regulations and the latest British Standards.
- All proprietary materials and products are to be used strictly in accordance with the manufacturers recommendations.

Project Notes

- All drawings to be read in conjunction with all other drawings as noted on issue sheet.
- Drawing based on ASK drawing No.: 1155-0050_T
- Existing H+K kitchen shown, drawing reference DIN-3801 UK472 Birstall FS MFY Proposed RevE

Schedule of Accommodation		
	Existing	Proposed
Total Covers	96	82
W.C. Provisions		
Accessible	1 doc M pack	1 doc M pack
Female	3 WCs	3 WCs
Male	2 WCs 3 Urinals	2 WCs 3 Urinals
Areas		
Dining Area (m²)	110.2m²	95.6m²
W.C. Area (m²)	21.4m²	21.4m²
Crew Room Area (m²)	17.9m²	17.9m²

DESIGN WORKING GROUP
APPROVED
25/09/2026

REV	Date	Drawn by:	Checked by:
-	08/10/2026	JP	CA

Initial Issue

Purpose of Issue: **For Information**

drawing stage: **Stage 1**

client: **McDonald's Restaurants Ltd**

project: **Centre 27 Business Park, Gledard Road, Leeds, WF17 9TB**

store: **0472**

drawing title: **Proposed GA Plan**

date: **08/10/2026** drawn: **JP**

scale@A1: **1:50** checked: **CA**

Rev -

Job No **15459_AEW_0472_0050**

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0161 214 4370
www.aewarchitects.com

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APPENDIX B

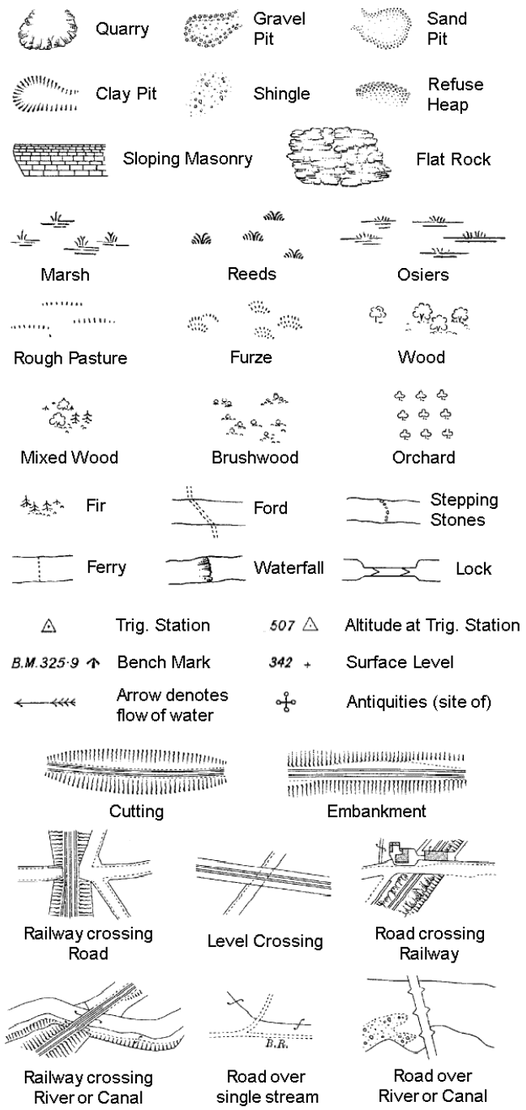
Historical Mapping



B

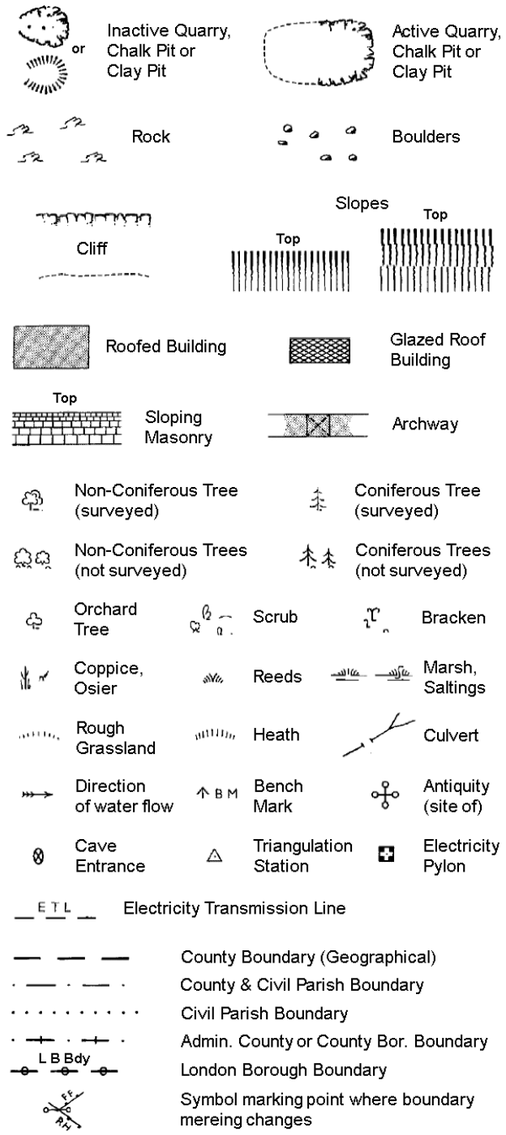
Historical Mapping Legends

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



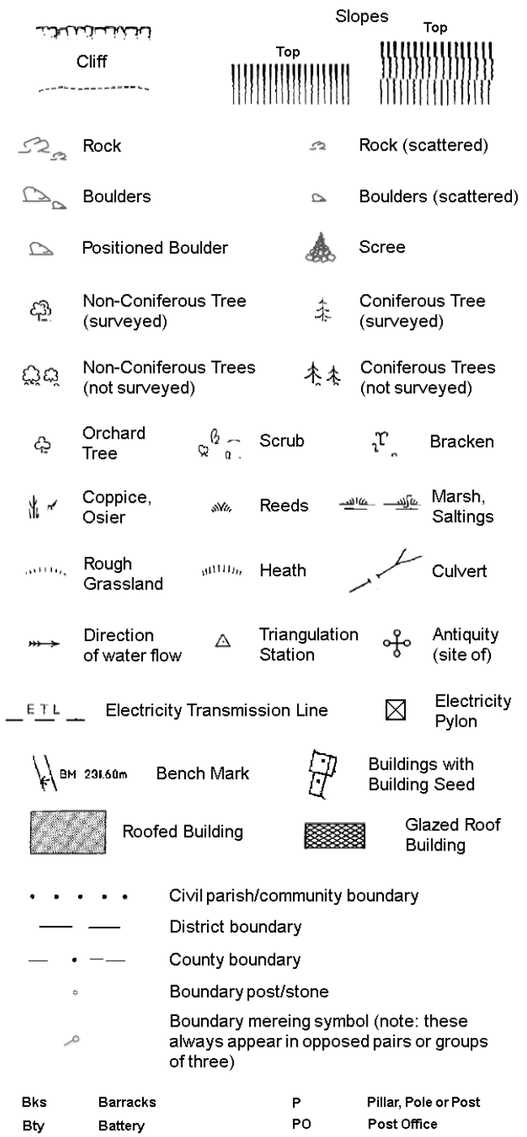
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



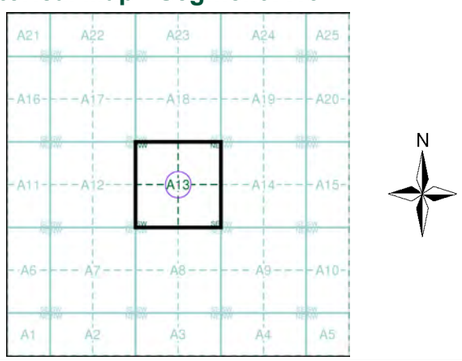
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1893	2
Yorkshire	1:2,500	1907	3
Yorkshire	1:2,500	1922	4
Yorkshire	1:2,500	1938	5
Ordnance Survey Plan	1:2,500	1956	6
Additional SIMs	1:2,500	1956 - 1987	7
Ordnance Survey Plan	1:1,250	1971	8
Supply of Unpublished Survey Information	1:2,500	1973 - 1974	9
Ordnance Survey Plan	1:2,500	1974 - 1976	10
Supply of Unpublished Survey Information	1:2,500	1974	11
Supply of Unpublished Survey Information	1:2,500	1974	12
Additional SIMs	1:2,500	1976 - 1988	13
Additional SIMs	1:2,500	1985 - 1990	14
Additional SIMs	1:1,250	1987 - 1992	15
Additional SIMs	1:1,250	1988	16
Additional SIMs	1:2,500	1989	17
Additional SIMs	1:1,250	1991	18
Ordnance Survey Plan	1:1,250	1992	19
Large-Scale National Grid Data	1:2,500	1993	20
Large-Scale National Grid Data	1:1,250	1993	21
Large-Scale National Grid Data	1:1,250	1994 - 1995	22
Large-Scale National Grid Data	1:1,250	1996	23
Historical Aerial Photography	1:2,500	1999	24

Historical Map - Segment A13

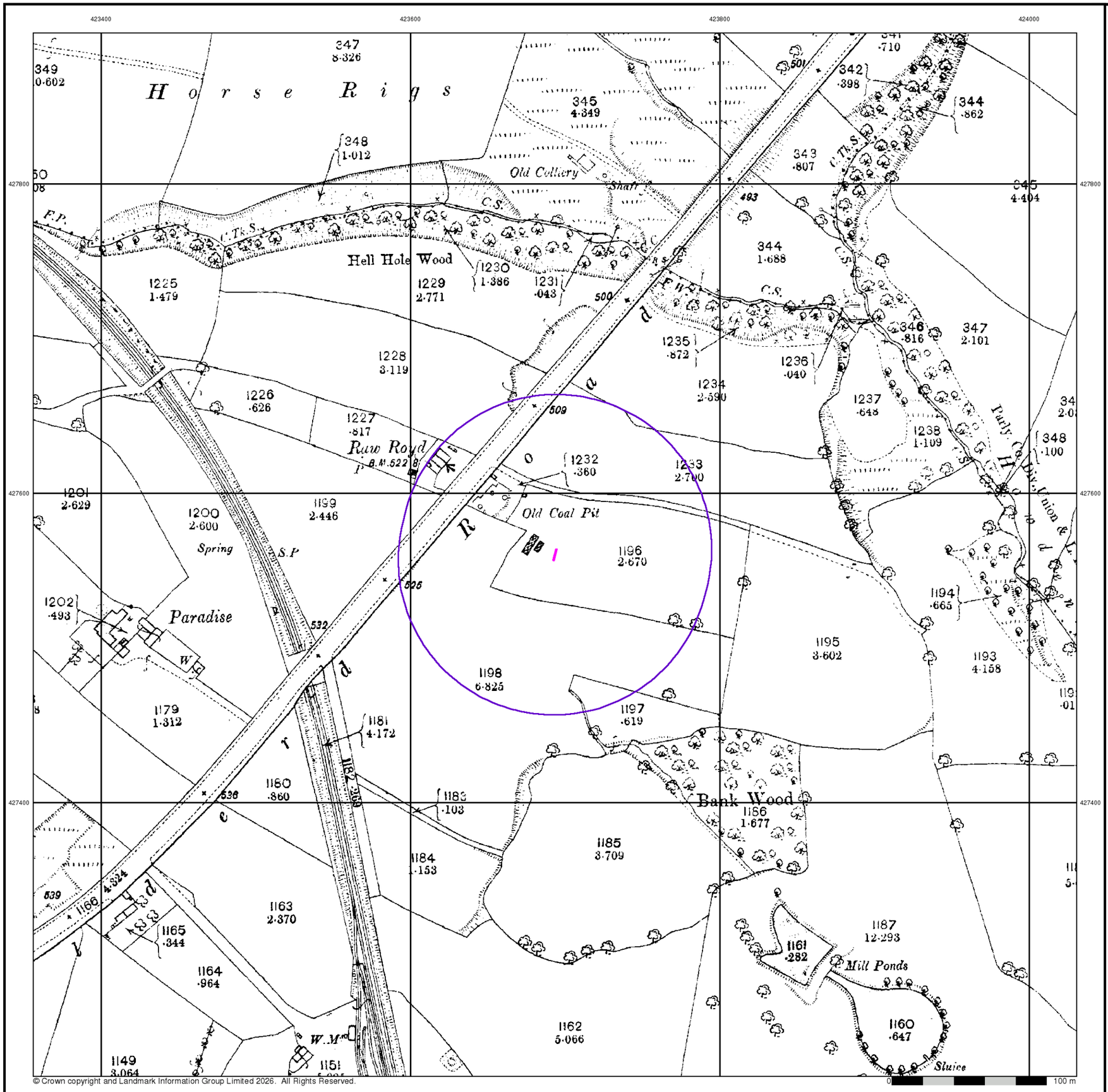


Order Details

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National Grid Reference: 423690, 427560
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

McDonalds Restaurants Ltd, Centre 27 Business Park, Bankwood Way, Birstall, Batley, WF17 9TB



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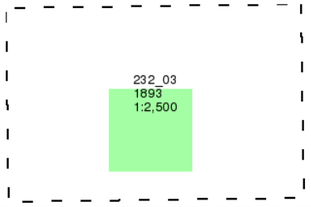
Yorkshire

Published 1893

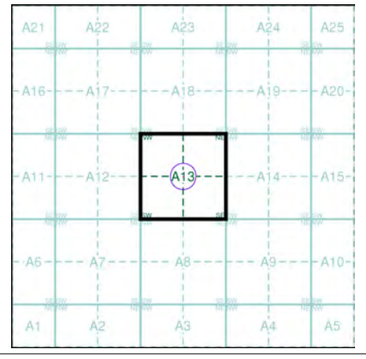
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



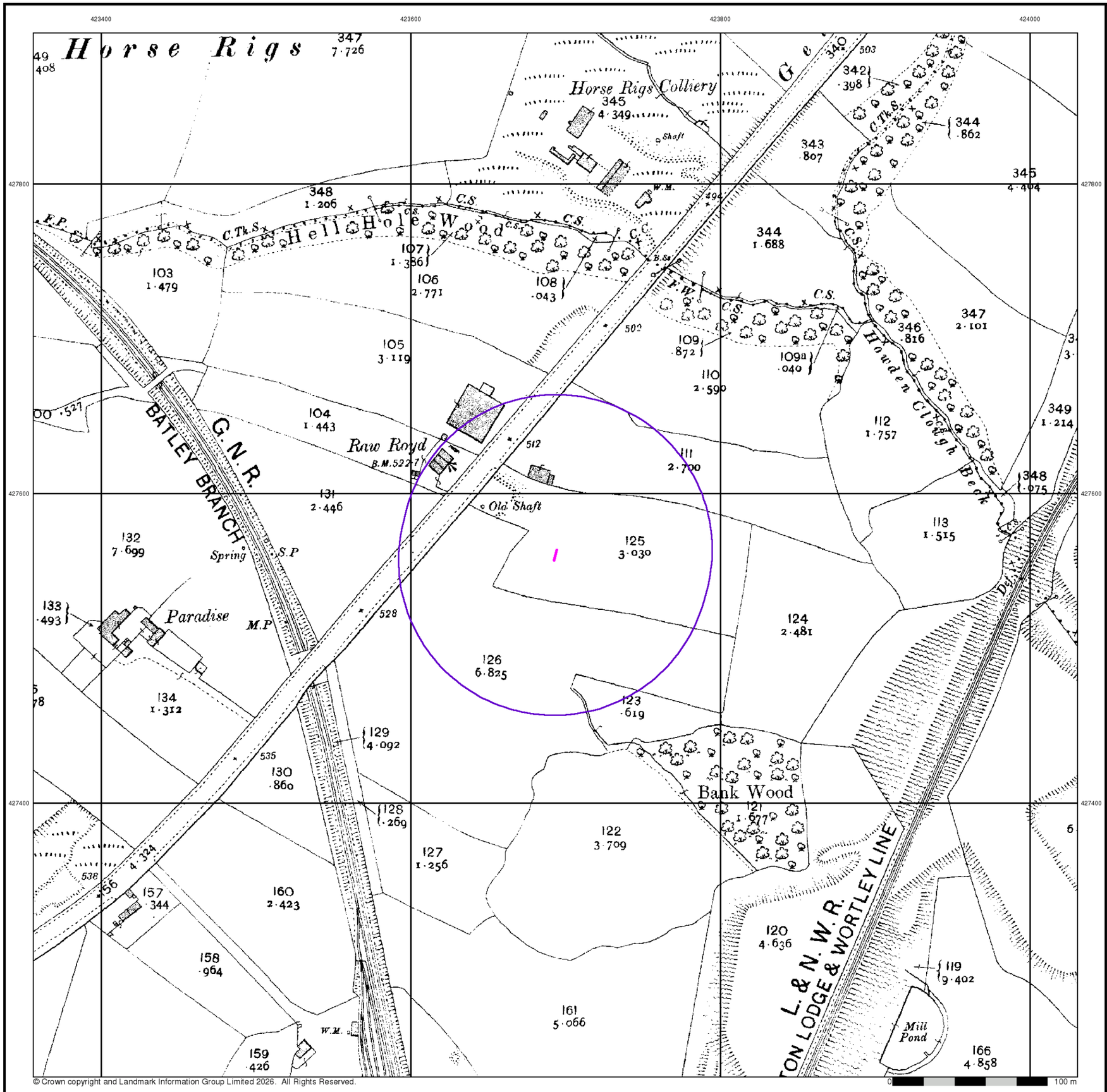
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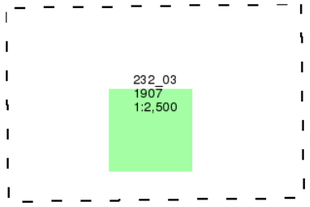
Yorkshire

Published 1907

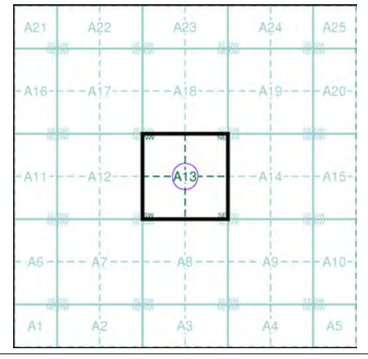
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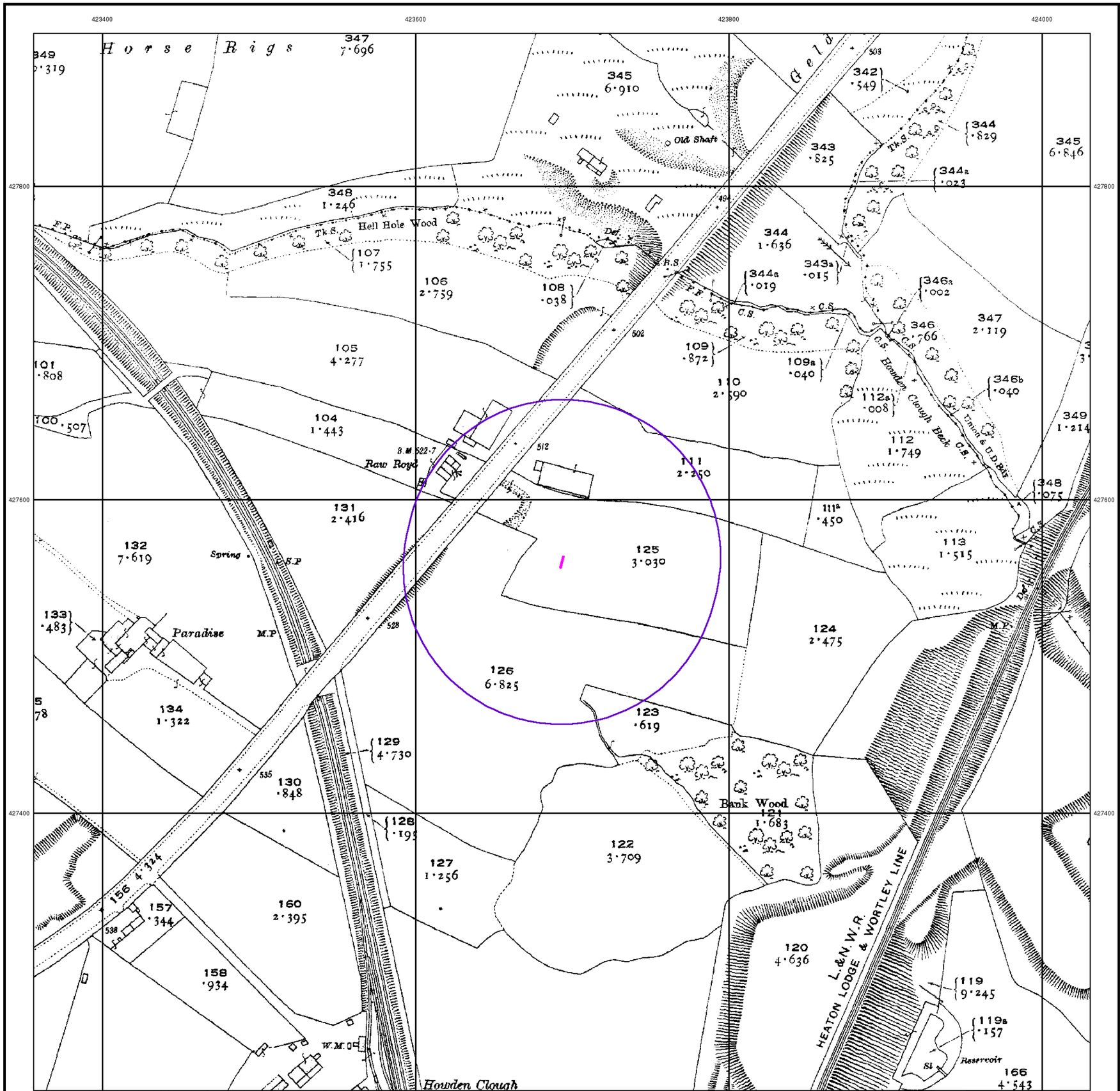
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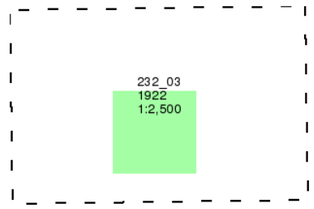
Yorkshire

Published 1922

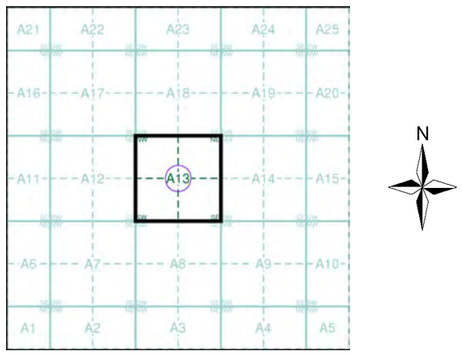
Source map scale - 1:2,500

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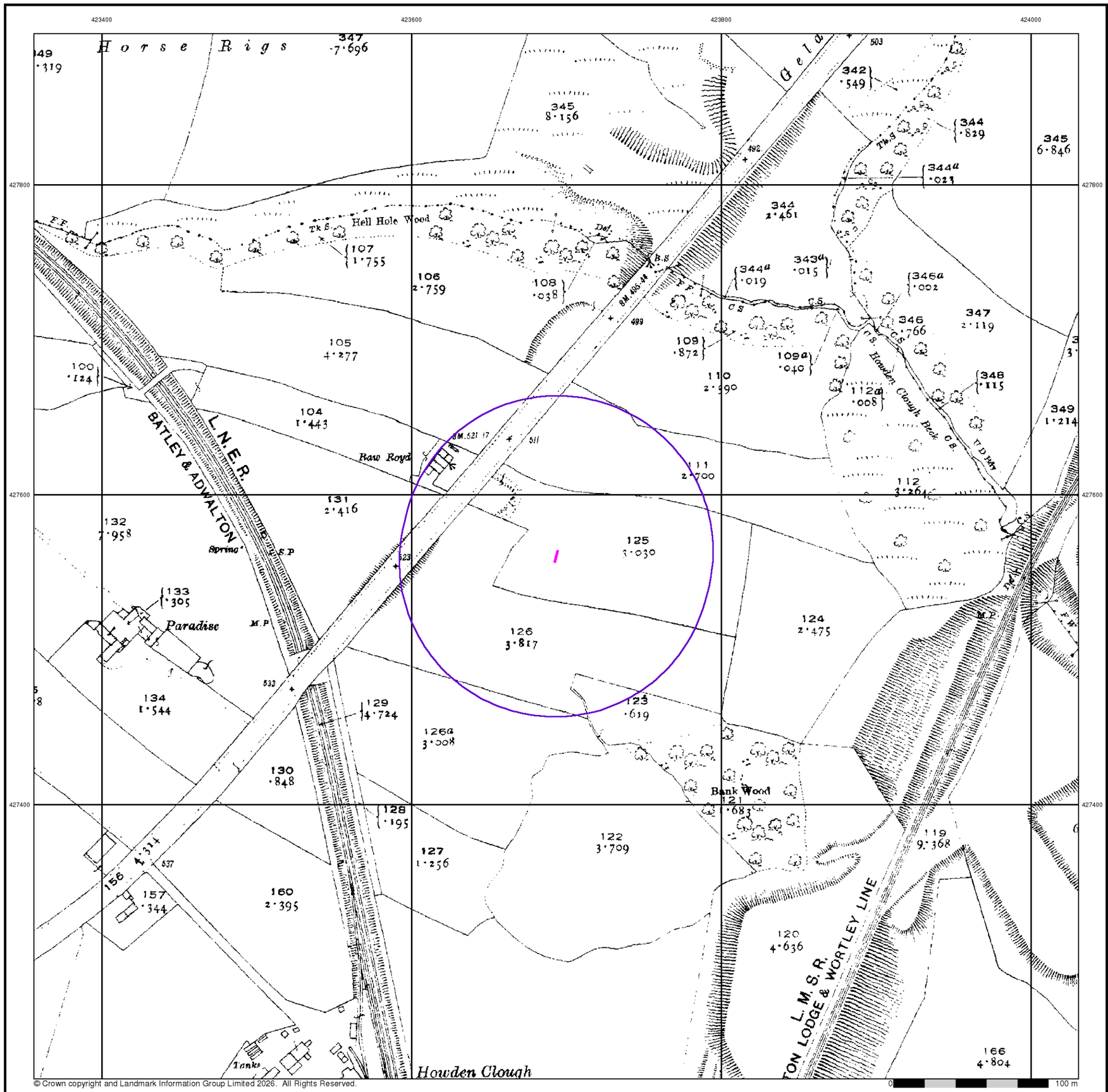
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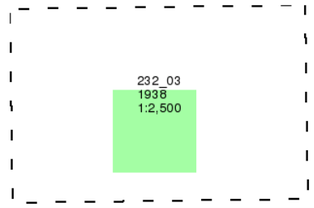
Yorkshire

Published 1938

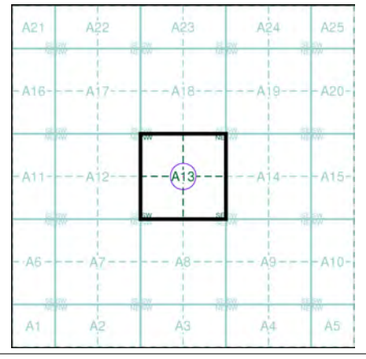
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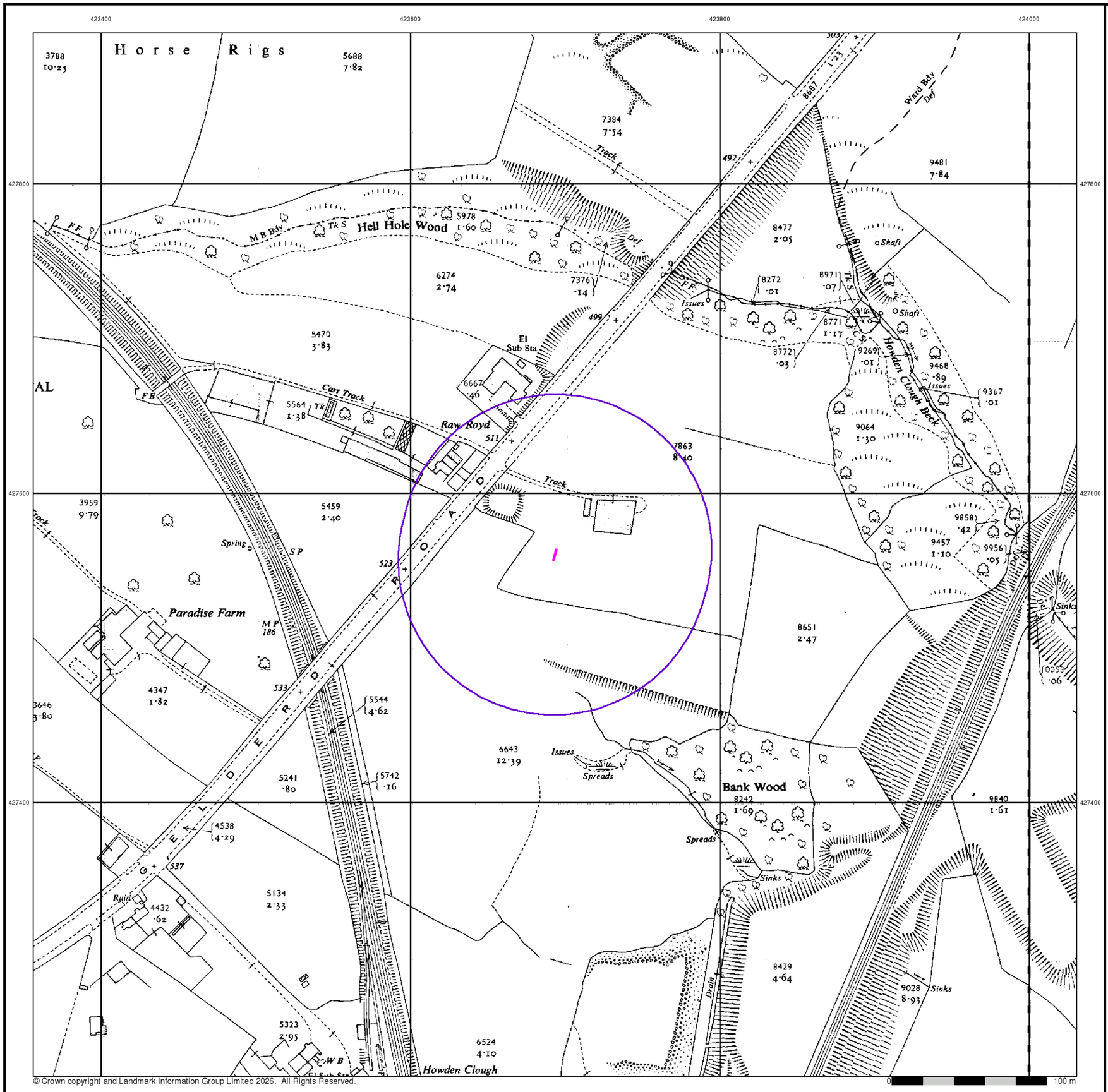
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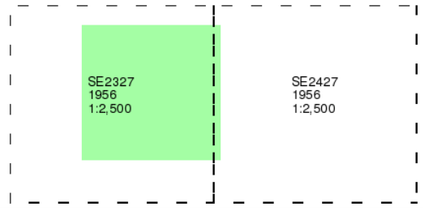
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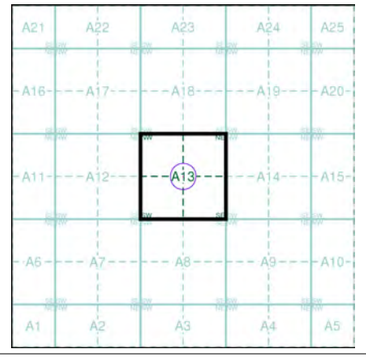
Ordnance Survey Plan
Published 1956
Source map scale - 1:2,500

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Historical Map - Segment A13



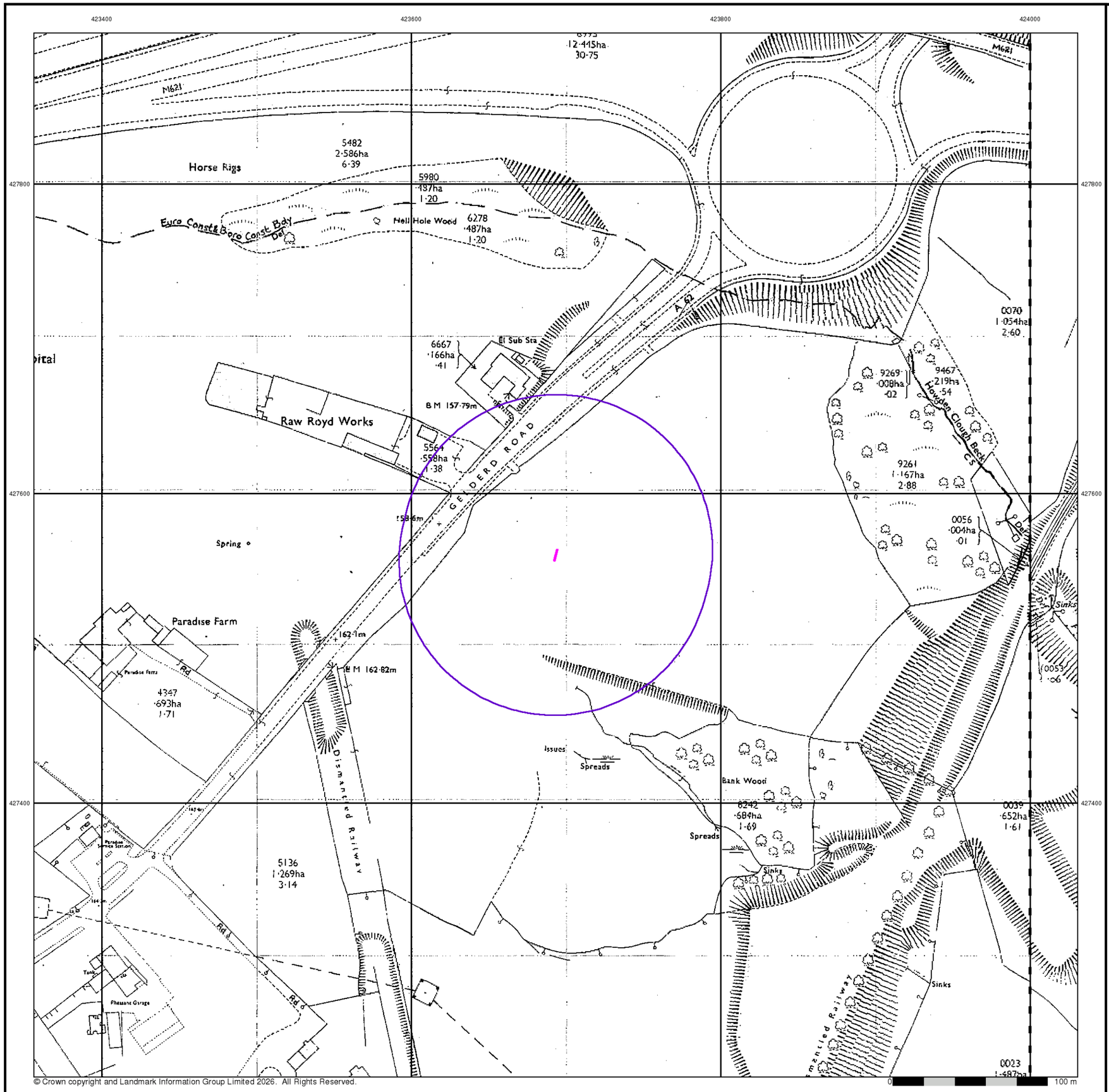
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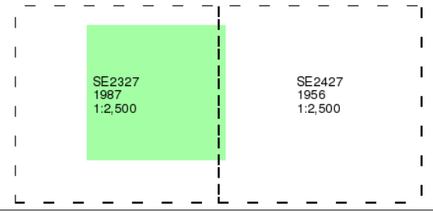
Additional SIMs

Published 1956 - 1987

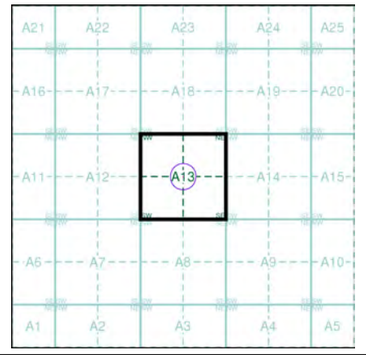
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13

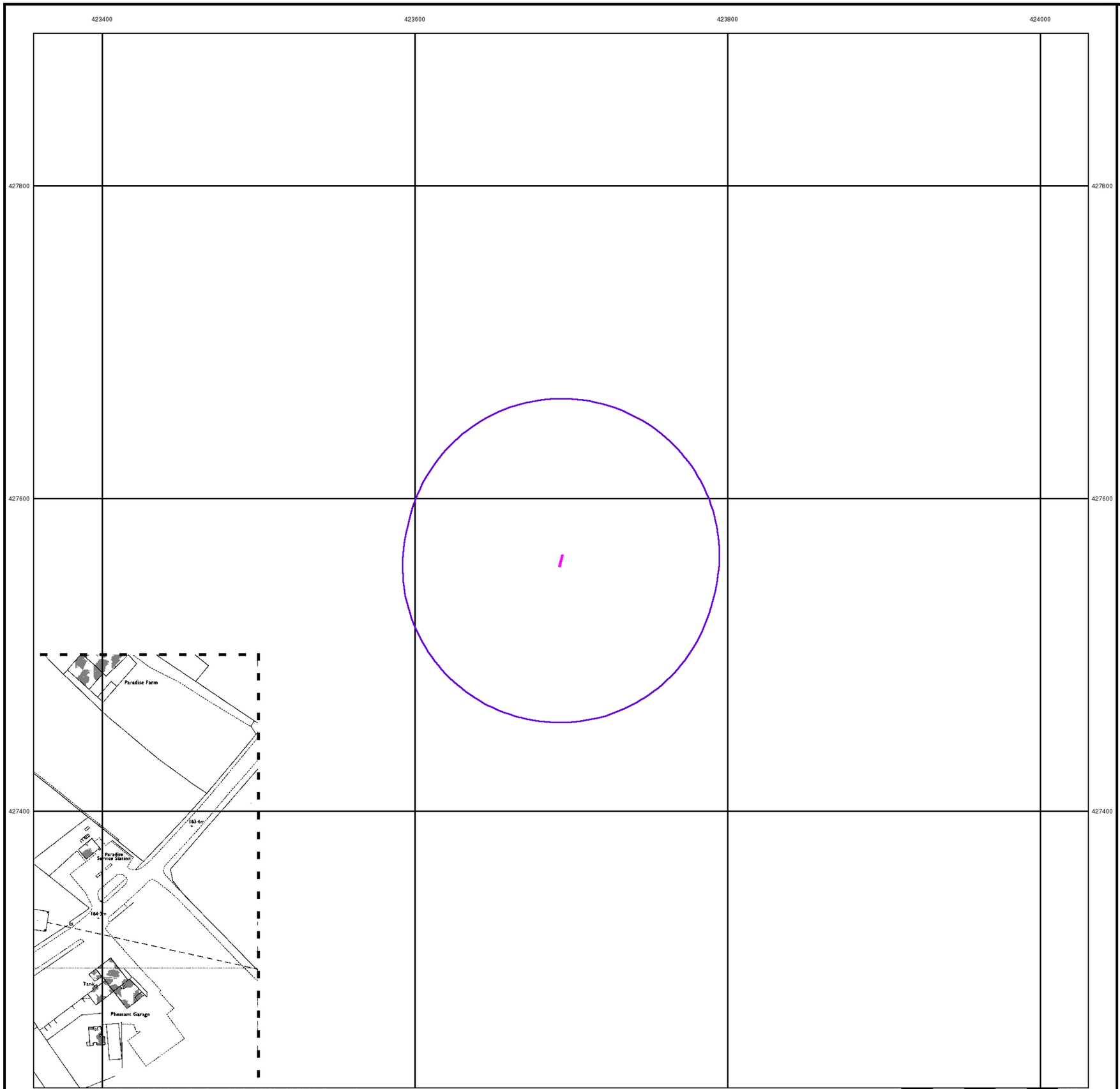


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Site Area (Ha):	0.01
Search Buffer (m):	100

Site Details

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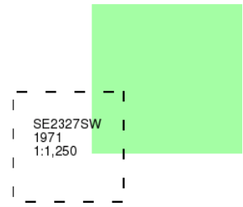
Ordnance Survey Plan

Published 1971

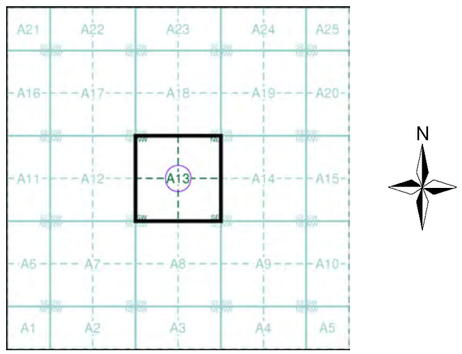
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



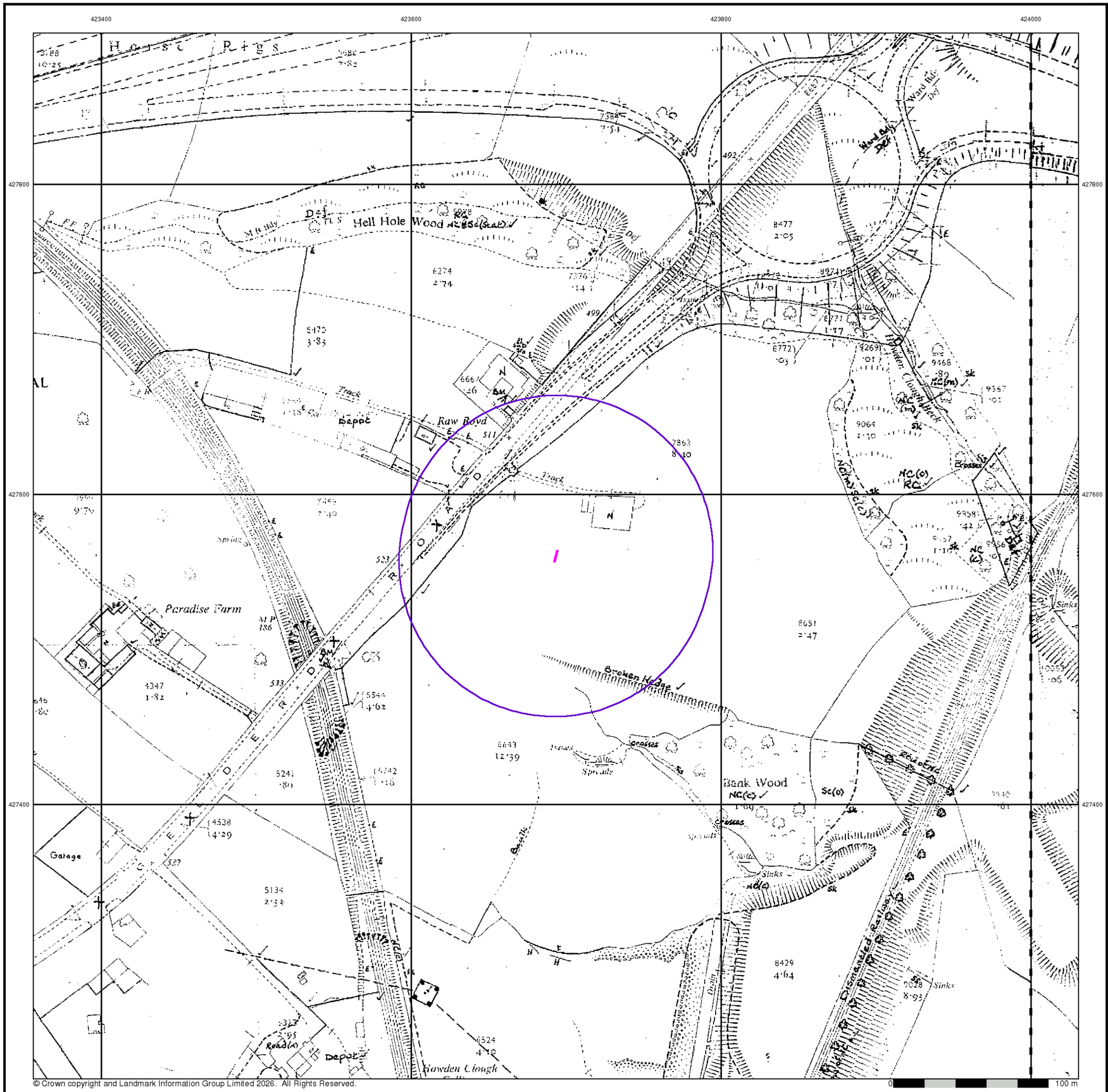
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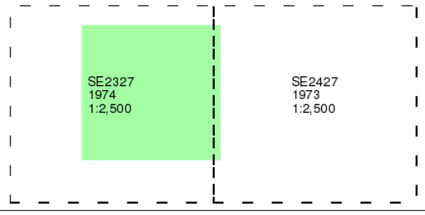
Supply of Unpublished Survey Information

Published 1973 - 1974

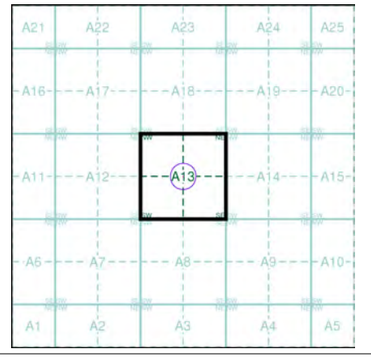
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



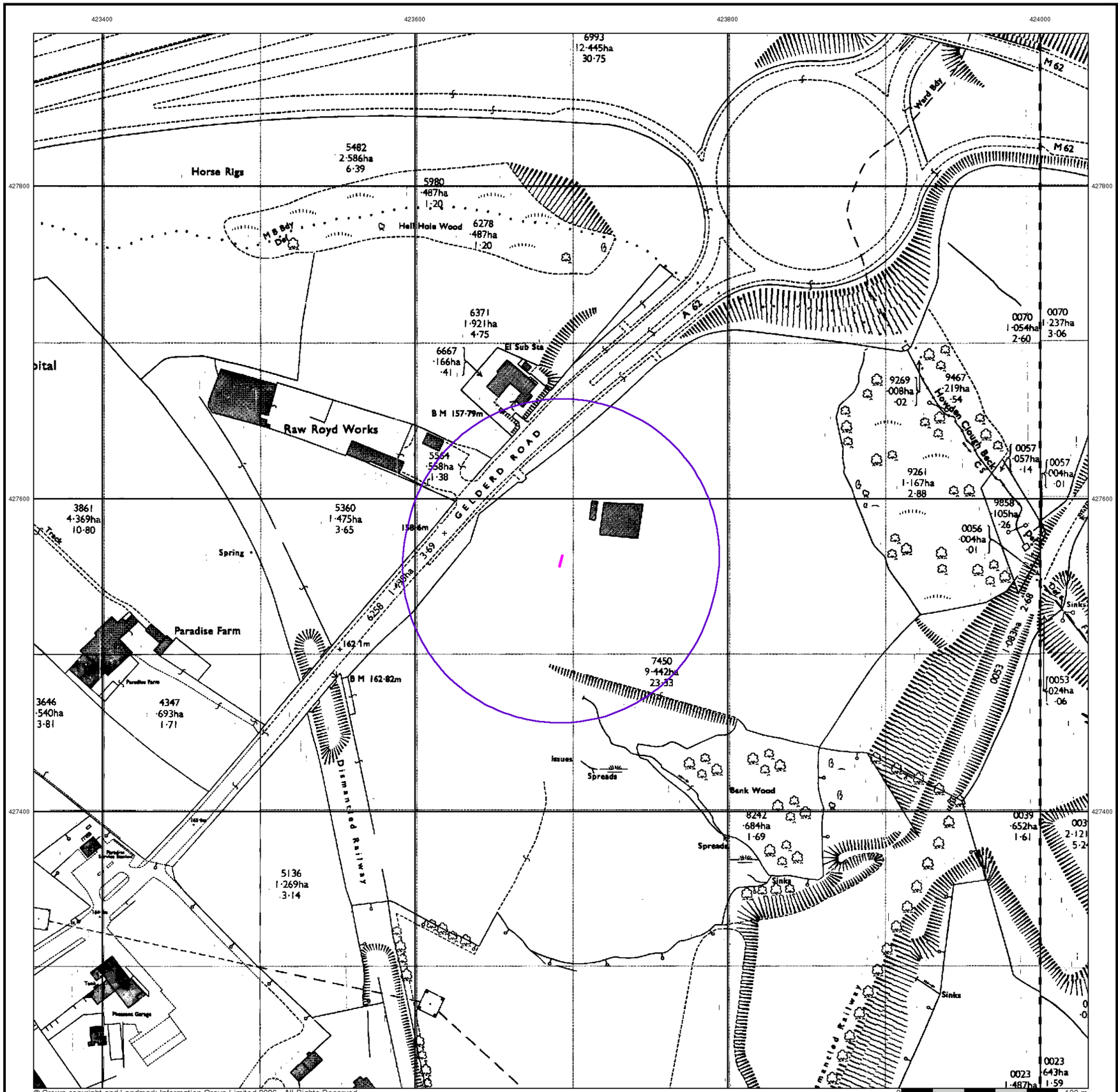
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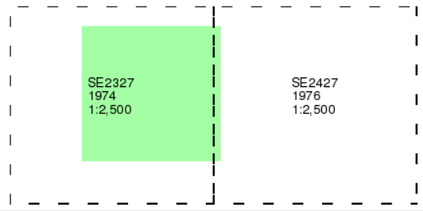
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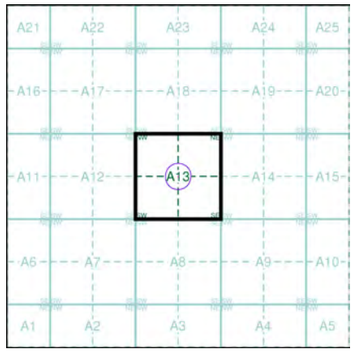
Ordnance Survey Plan
Published 1974 - 1976
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



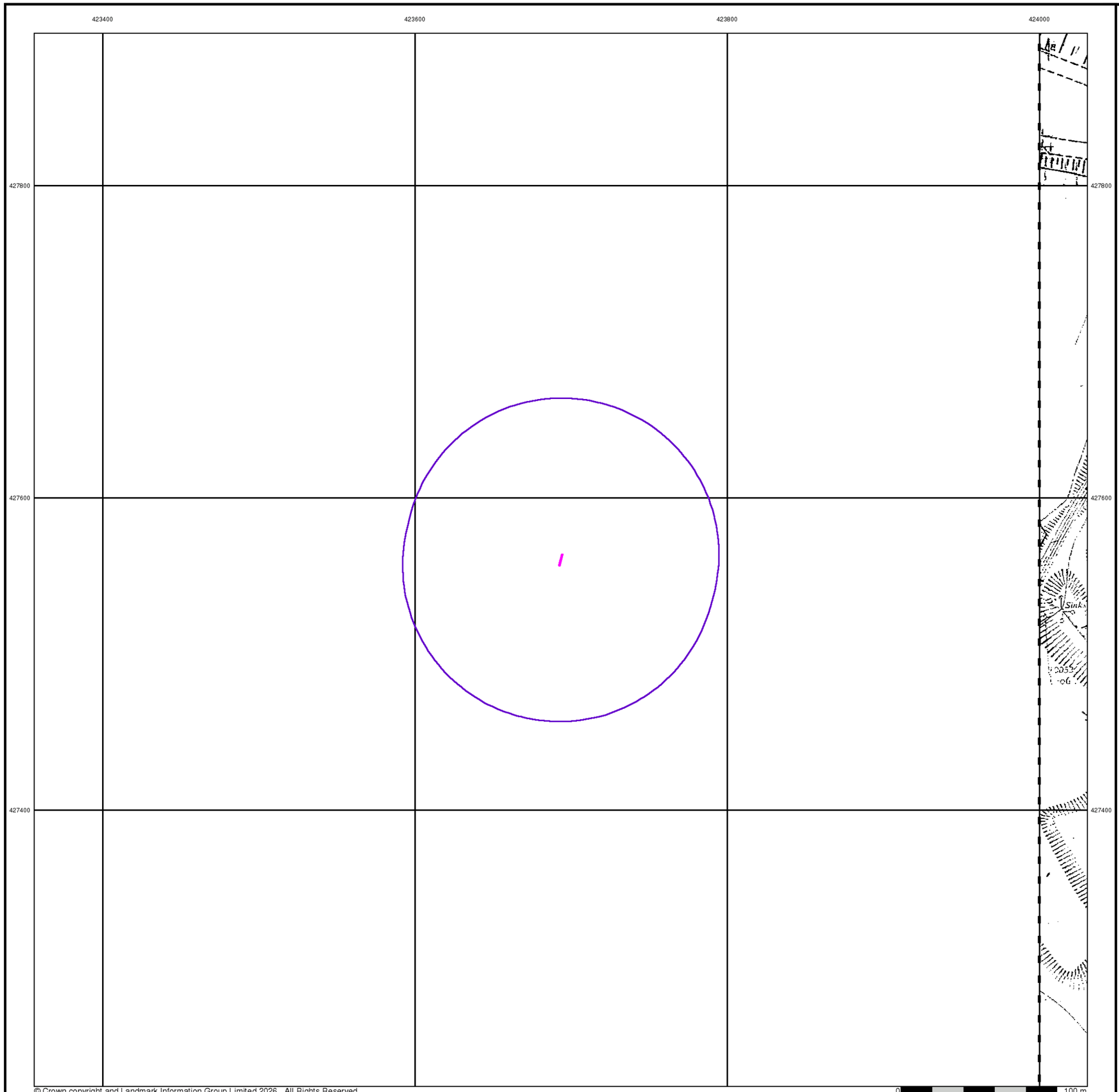
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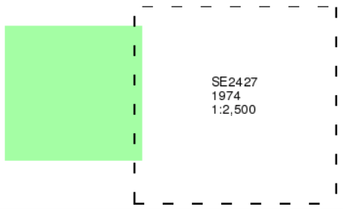
Supply of Unpublished Survey Information

Published 1974

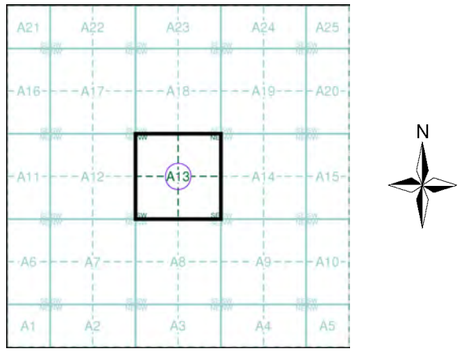
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



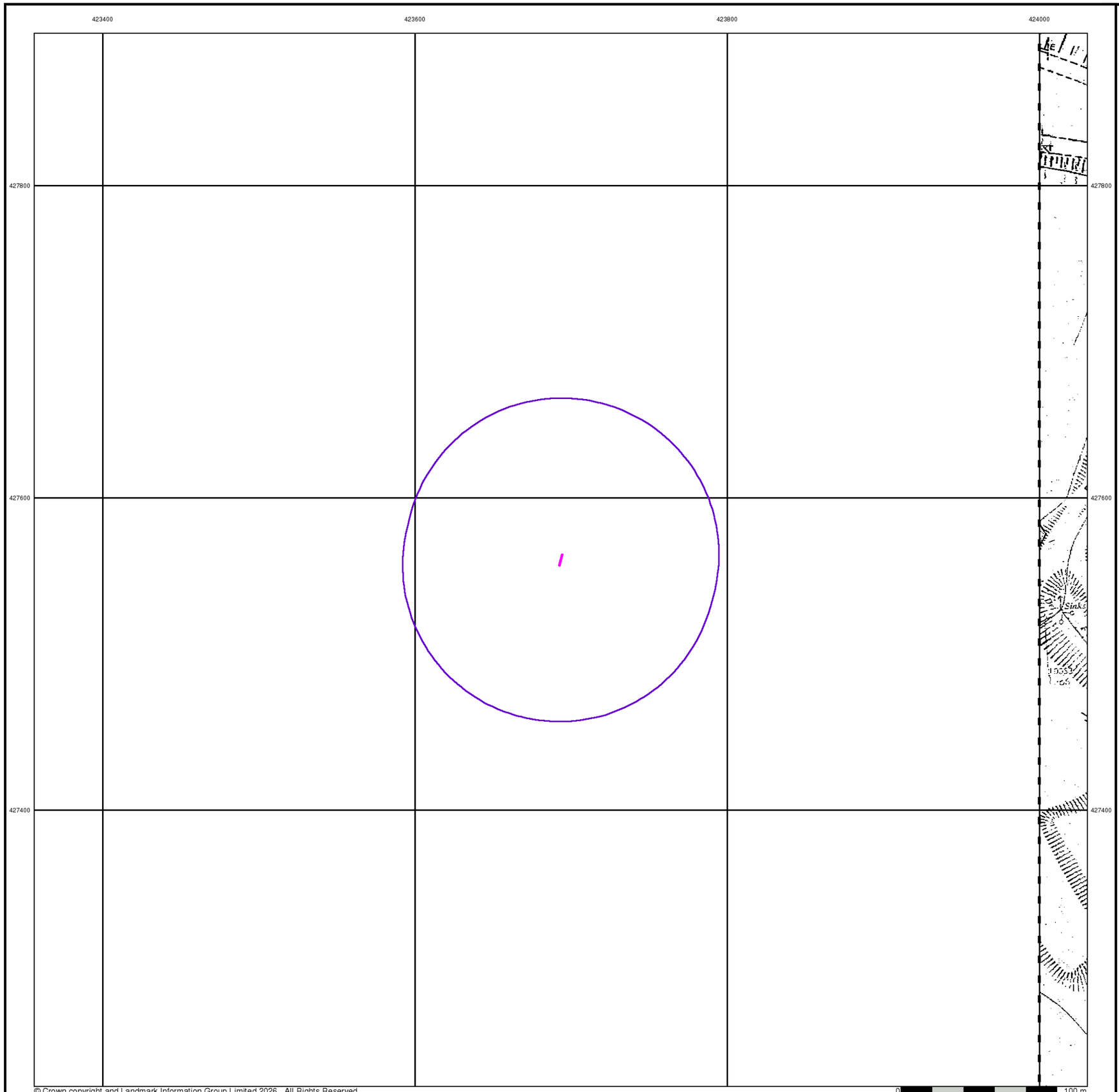
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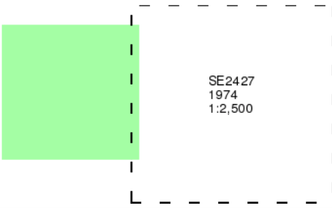
Supply of Unpublished Survey Information

Published 1974

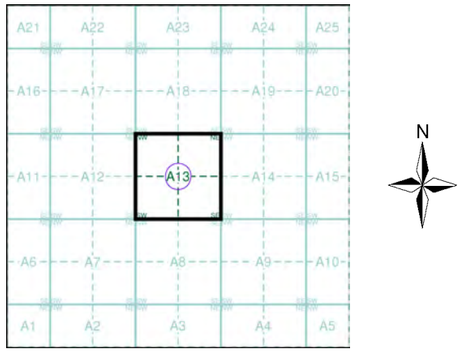
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



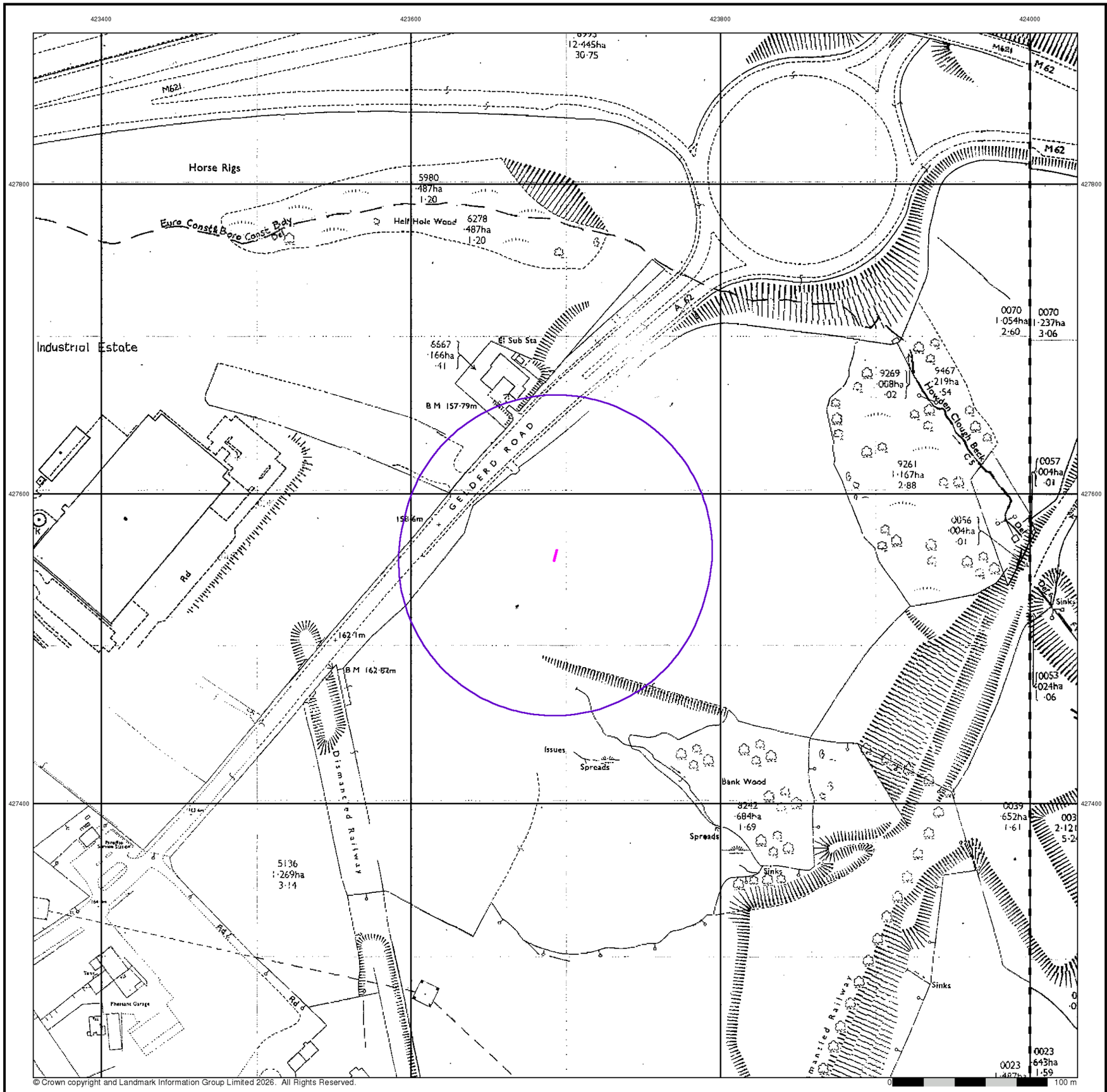
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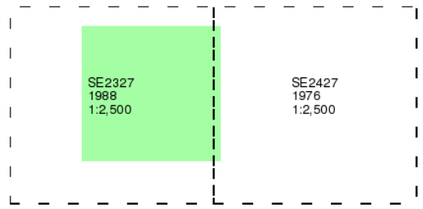
Additional SIMs

Published 1976 - 1988

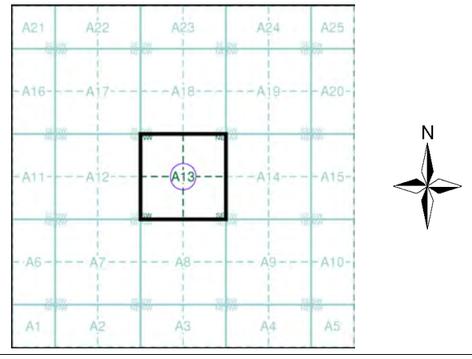
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



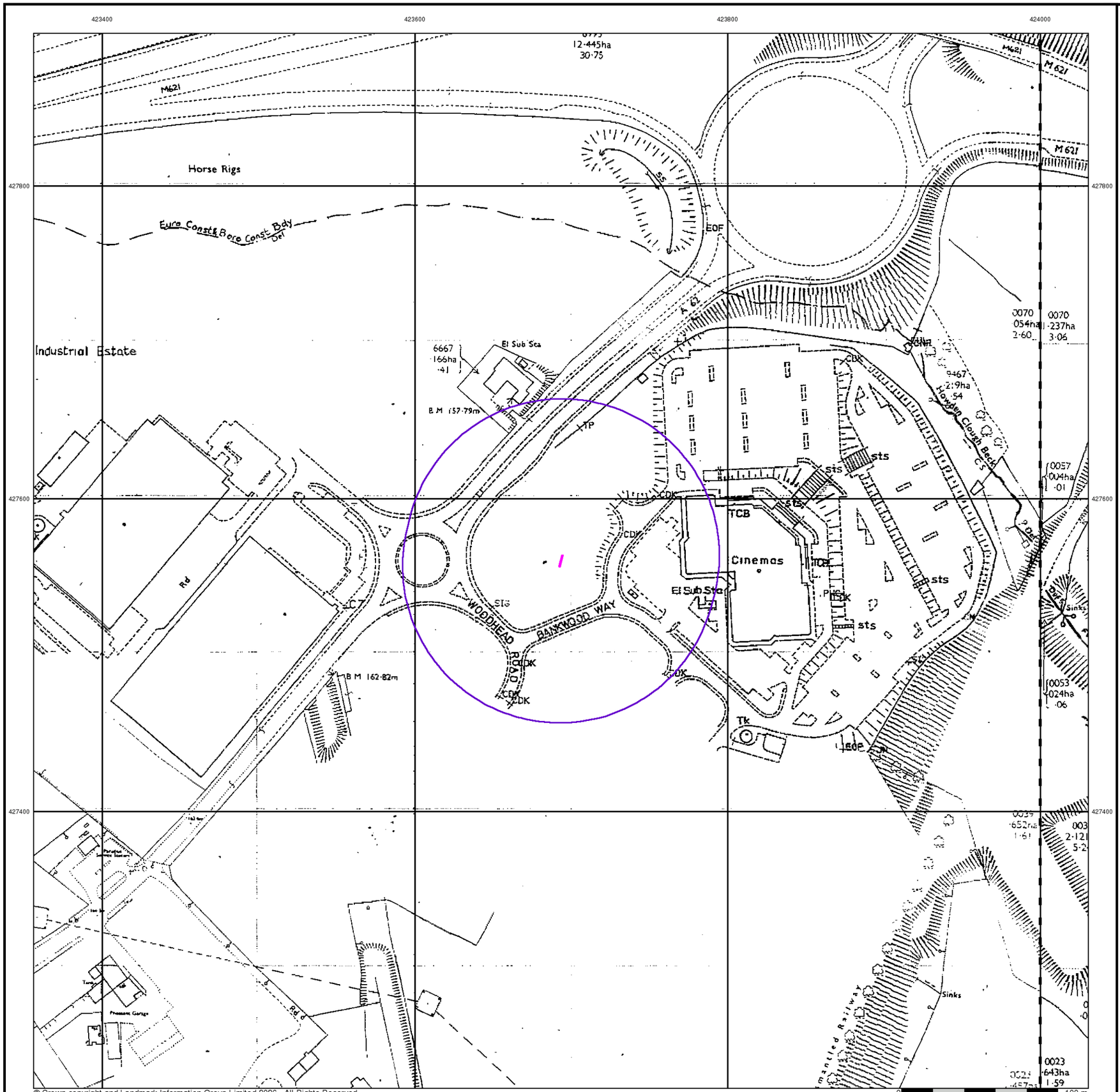
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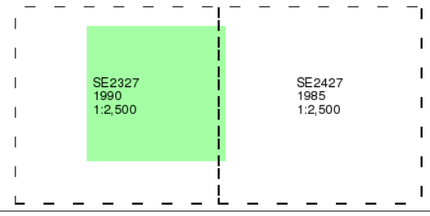
Additional SIMs

Published 1985 - 1990

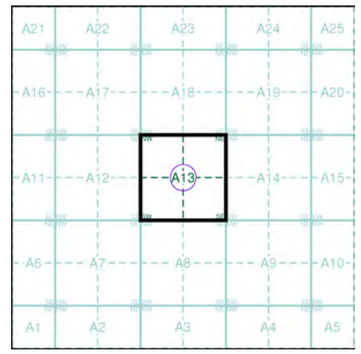
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



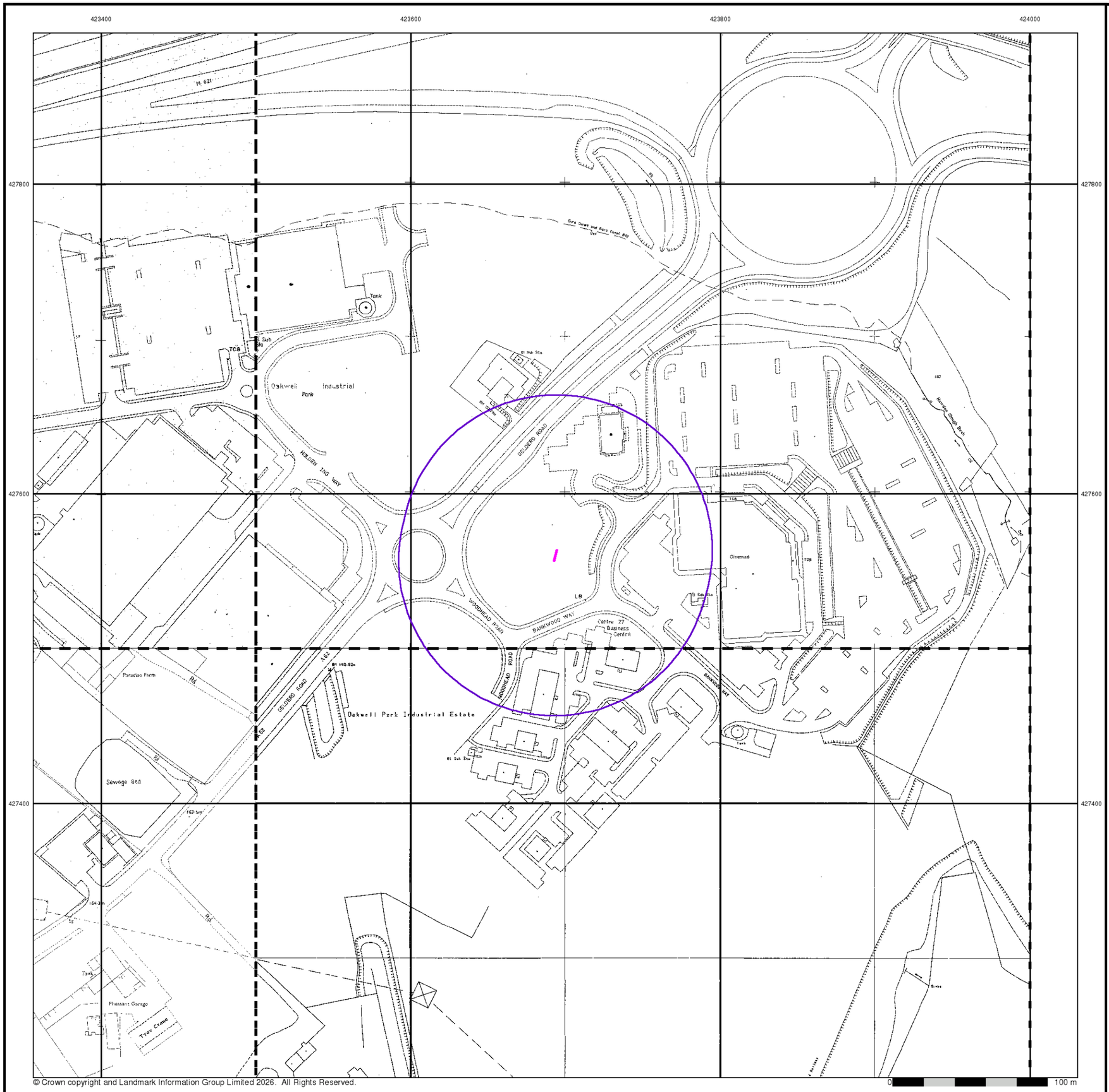
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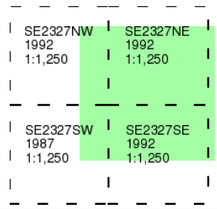
Additional SIMs

Published 1987 - 1992

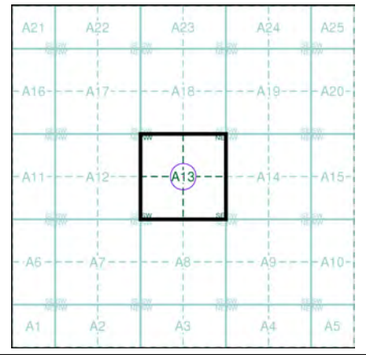
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



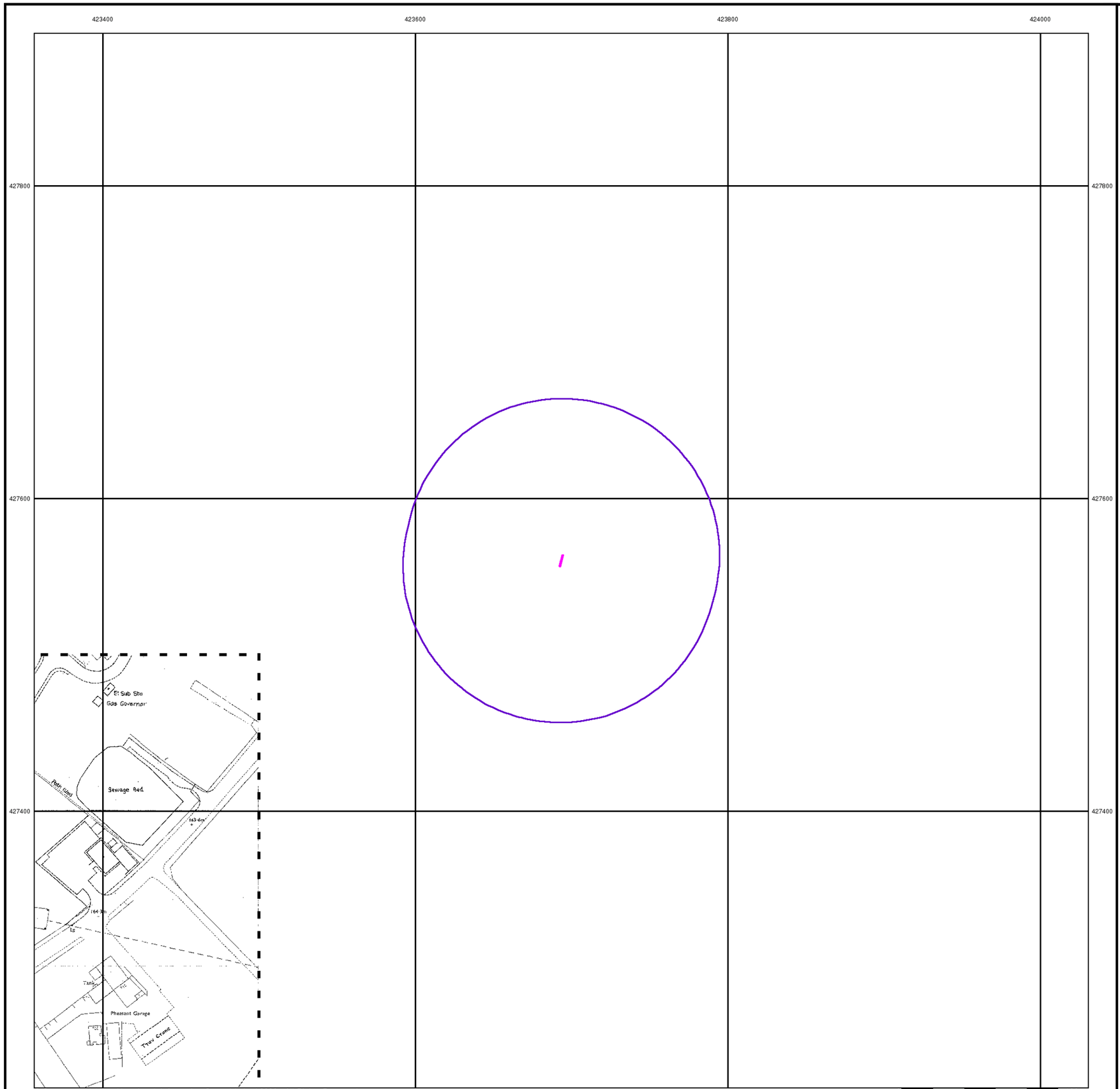
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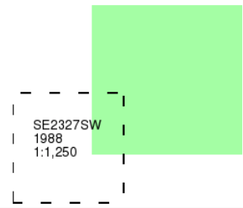
Additional SIMs

Published 1988

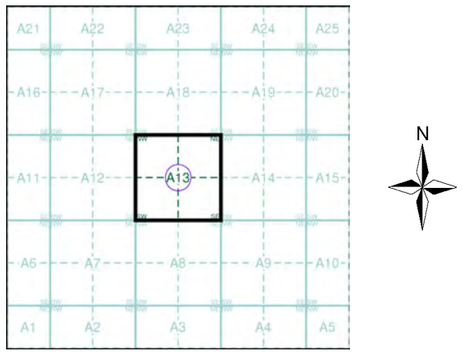
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



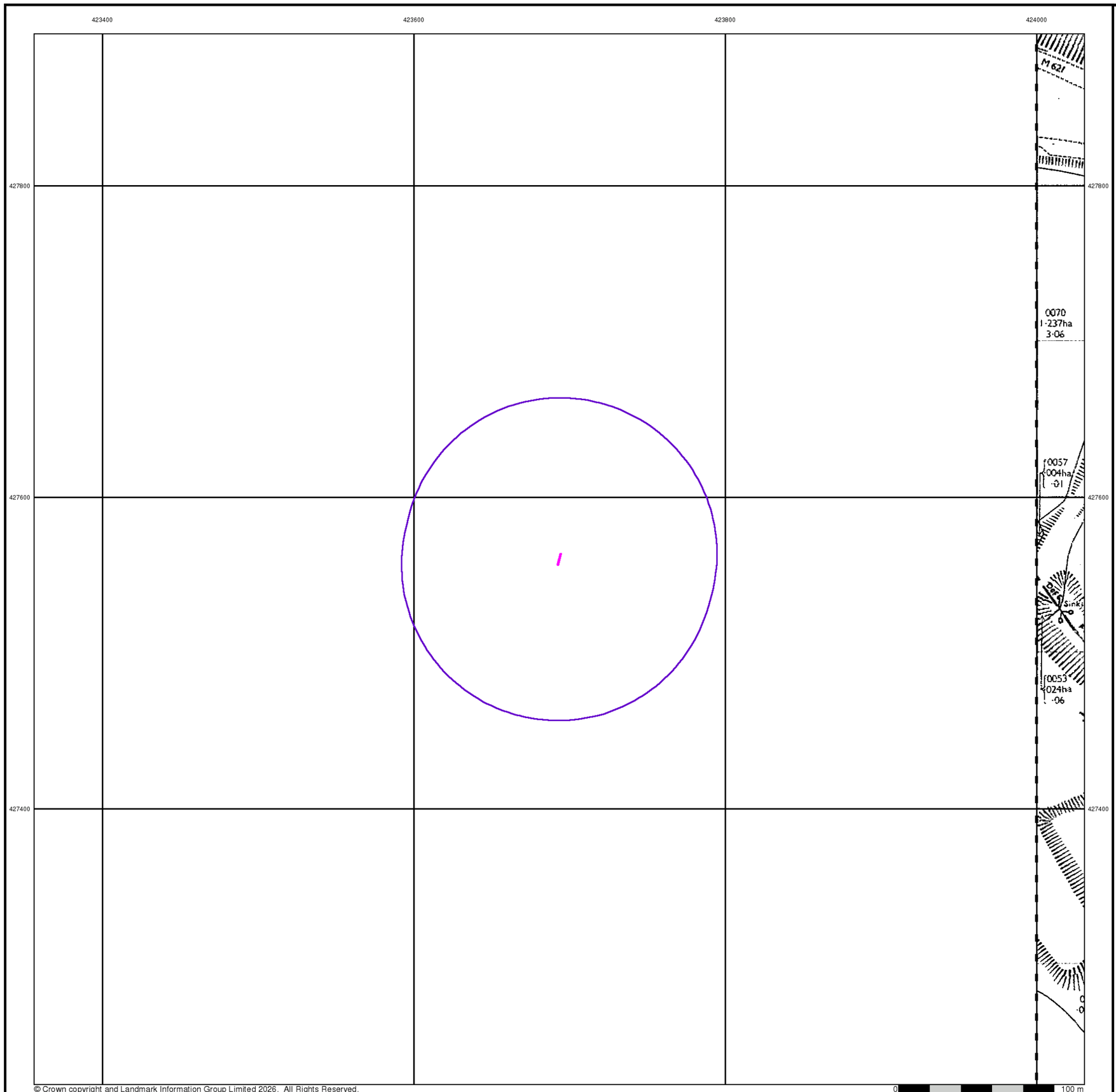
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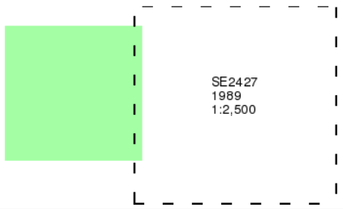
Additional SIMs

Published 1989

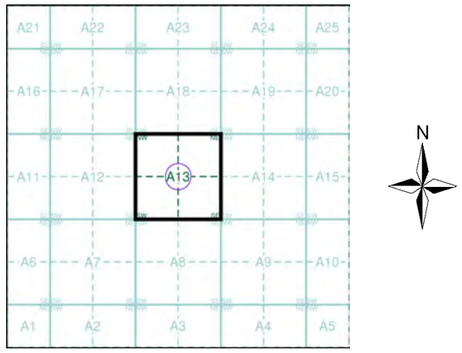
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



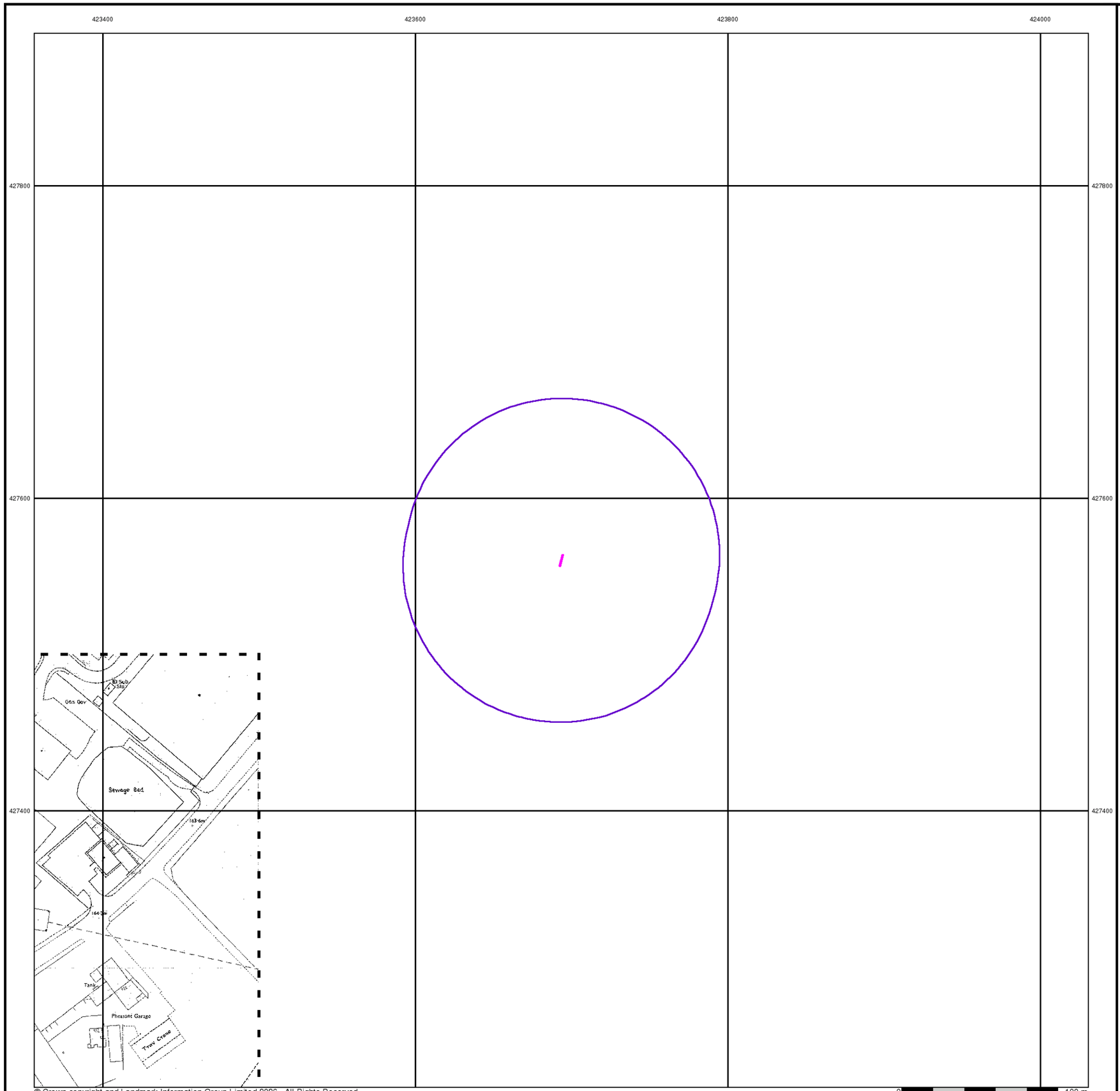
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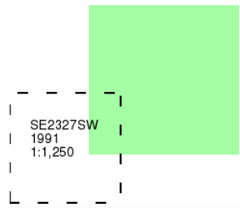
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Published 1991

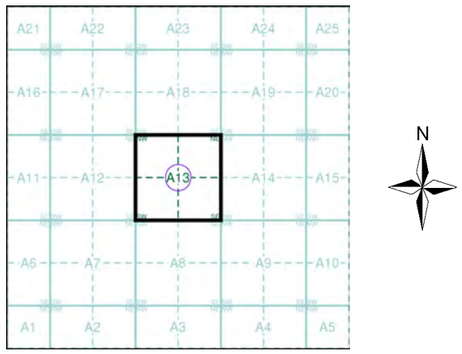
Source map scale - 1:1,250

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Map Name(s) and Date(s)



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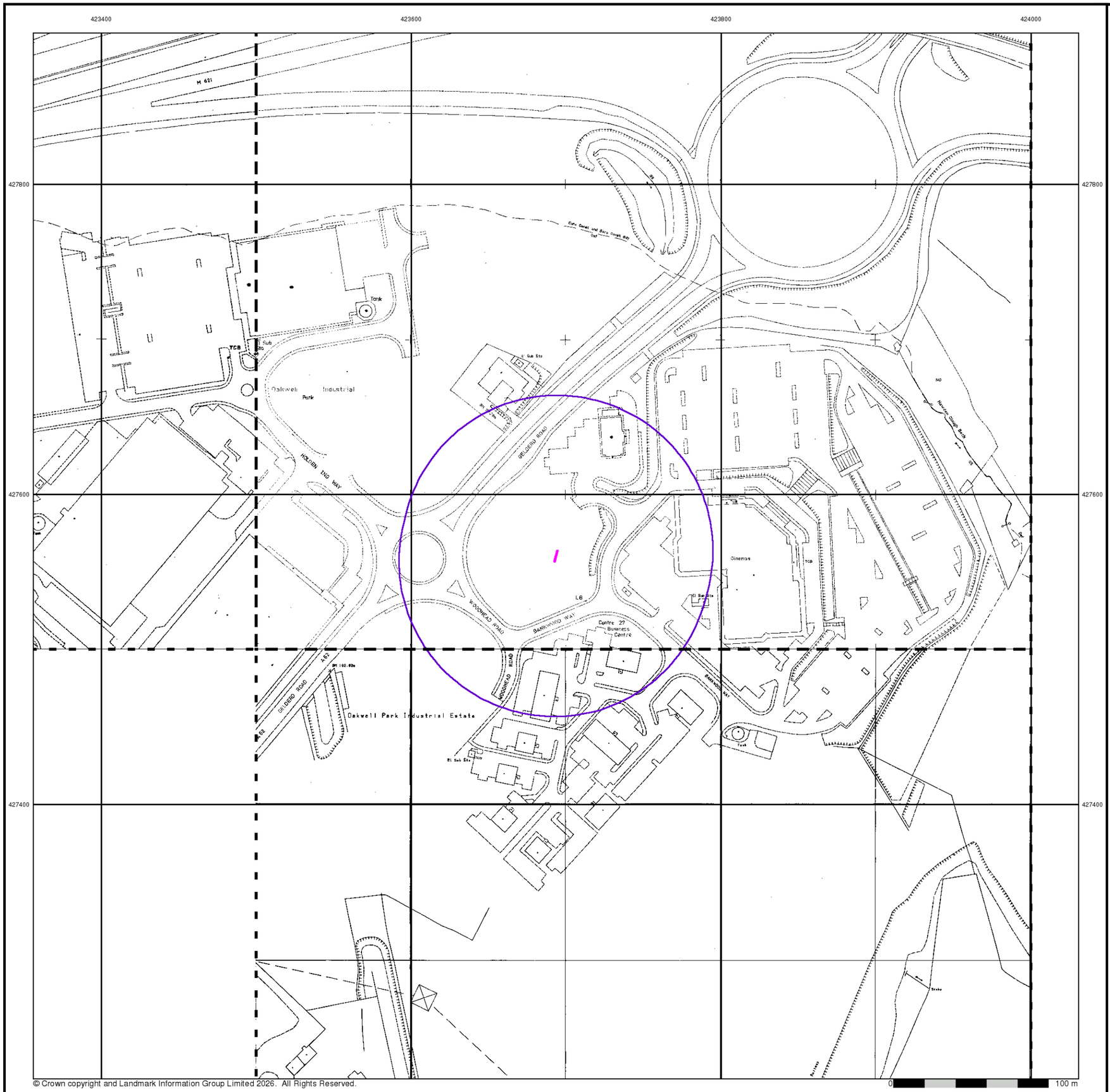
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ST Consult
Environmental & Geotechnical

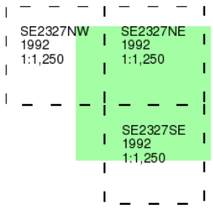
Ordnance Survey Plan

Published 1992

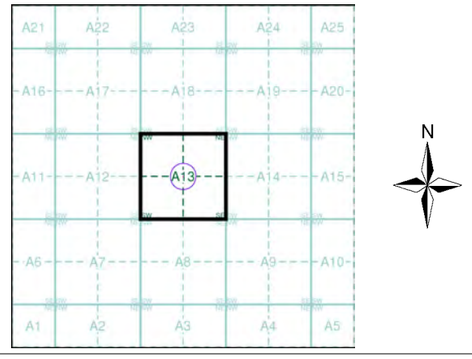
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



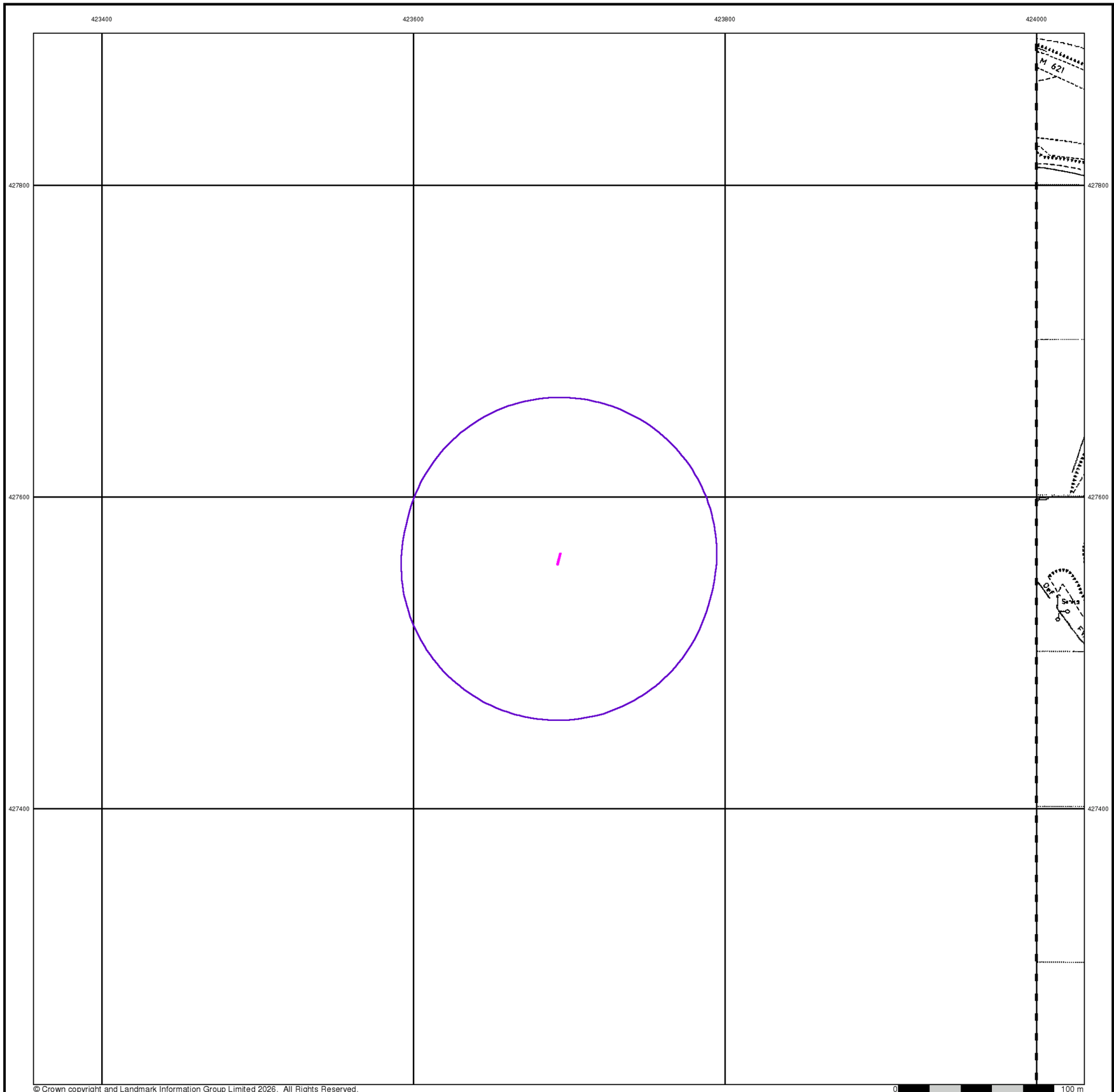
Order Details

Order Number:	413645645_2_1
Customer Ref:	JN2071-MH
National Grid Reference:	423690, 427560
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	100

Site Details

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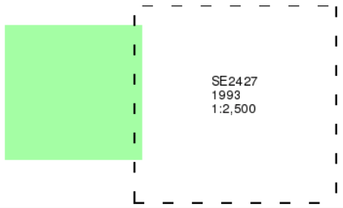
Large-Scale National Grid Data

Published 1993

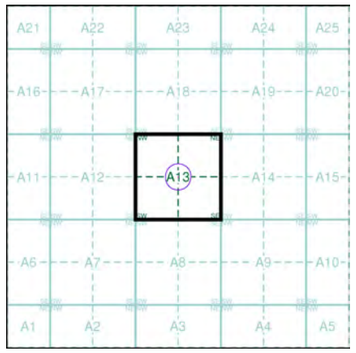
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



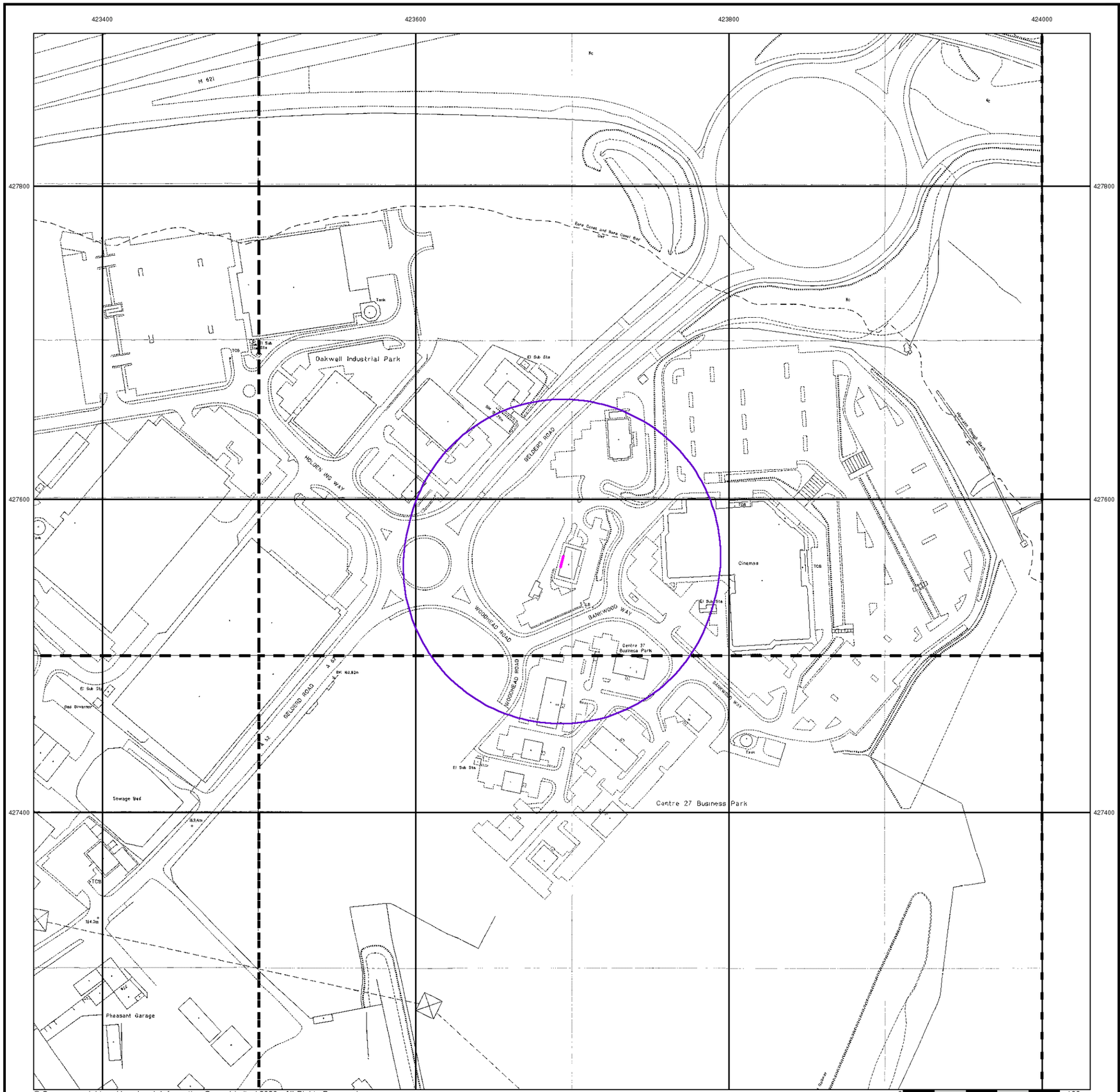
Order Details

Order Number:	413645645_2_1
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National Grid Reference:	423690, 427560
Slice:	A
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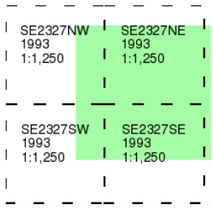
Large-Scale National Grid Data

Published 1993

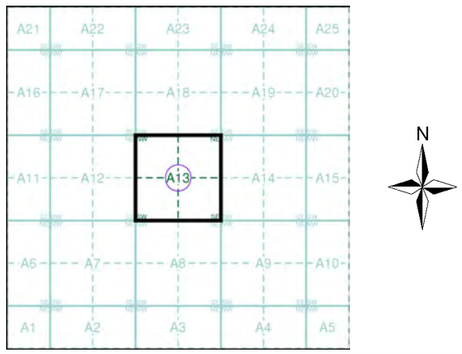
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



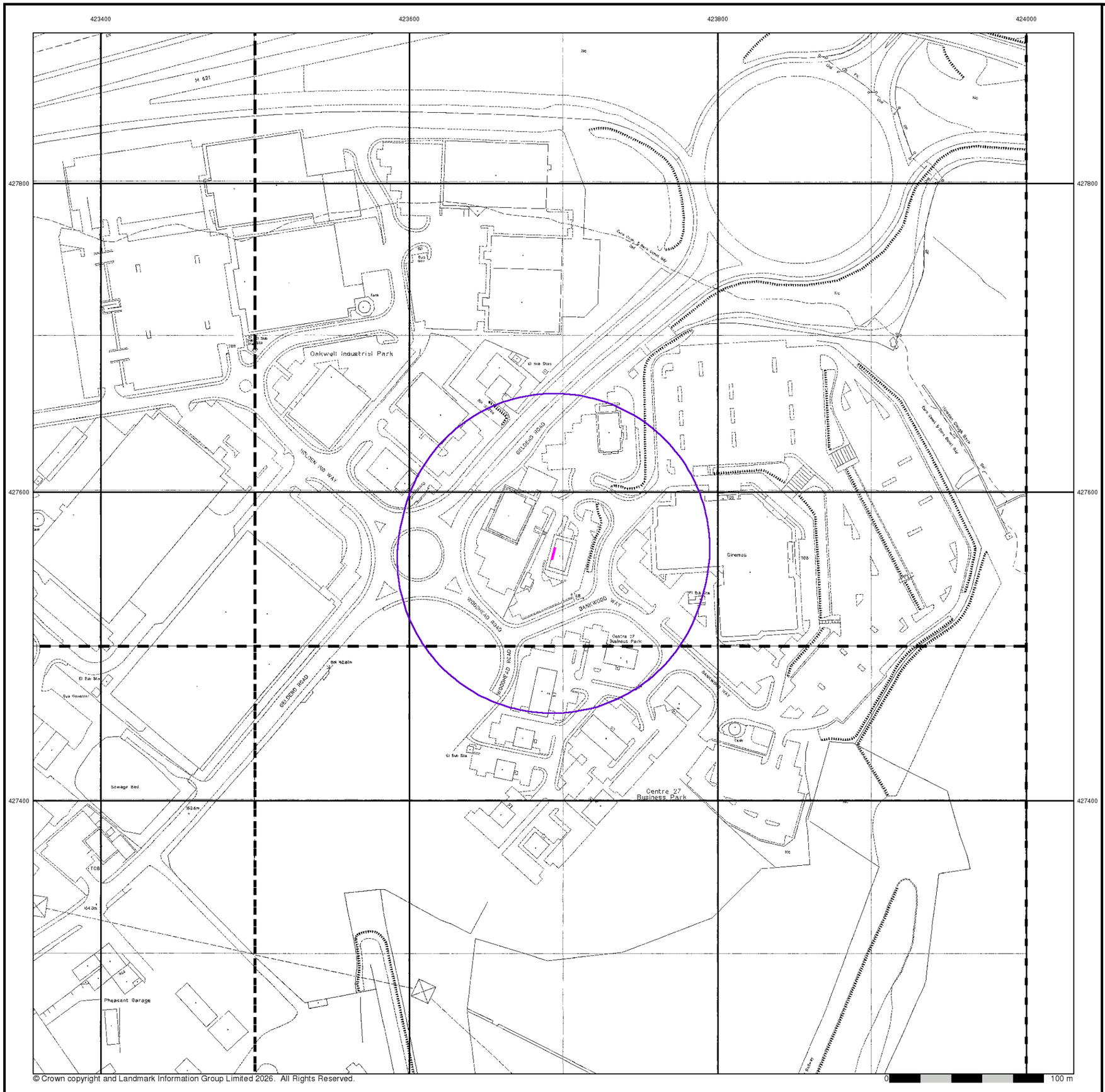
Order Details

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Customer Ref:	JN2071-MH
National Grid Reference:	423690, 427560
Slice:	A
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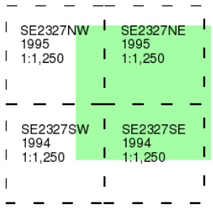
Large-Scale National Grid Data

Published 1994 - 1995

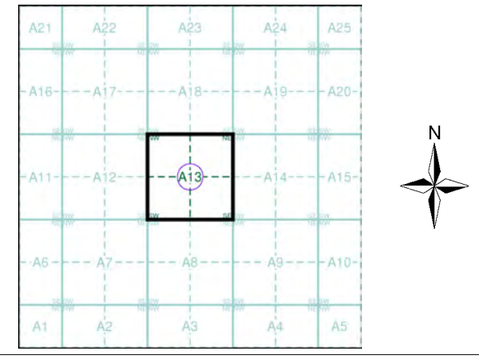
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



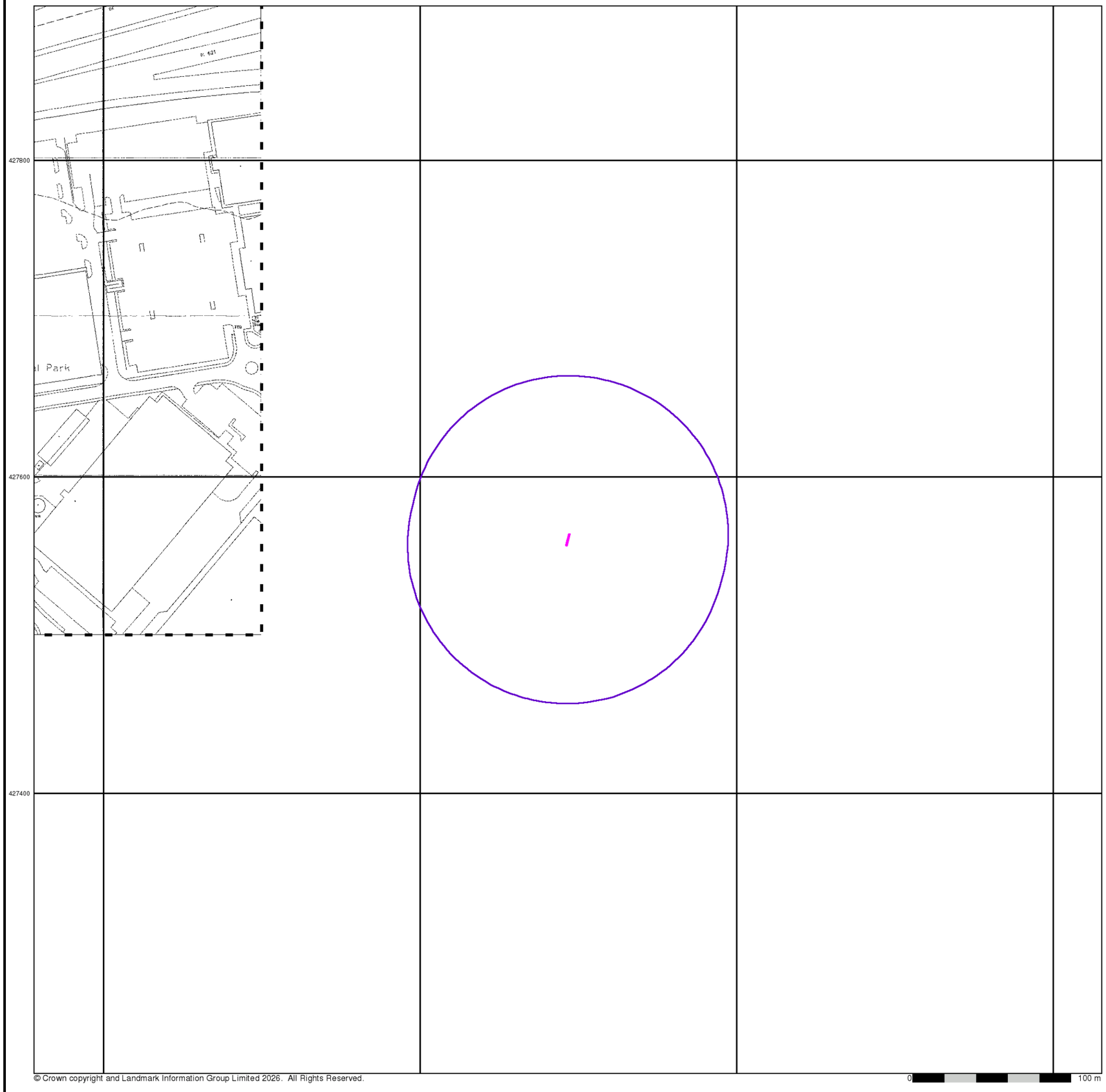
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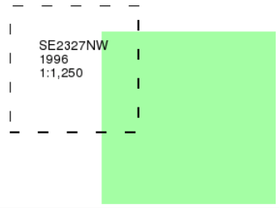
Large-Scale National Grid Data

Published 1996

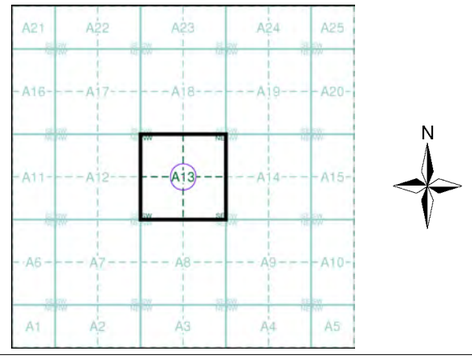
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



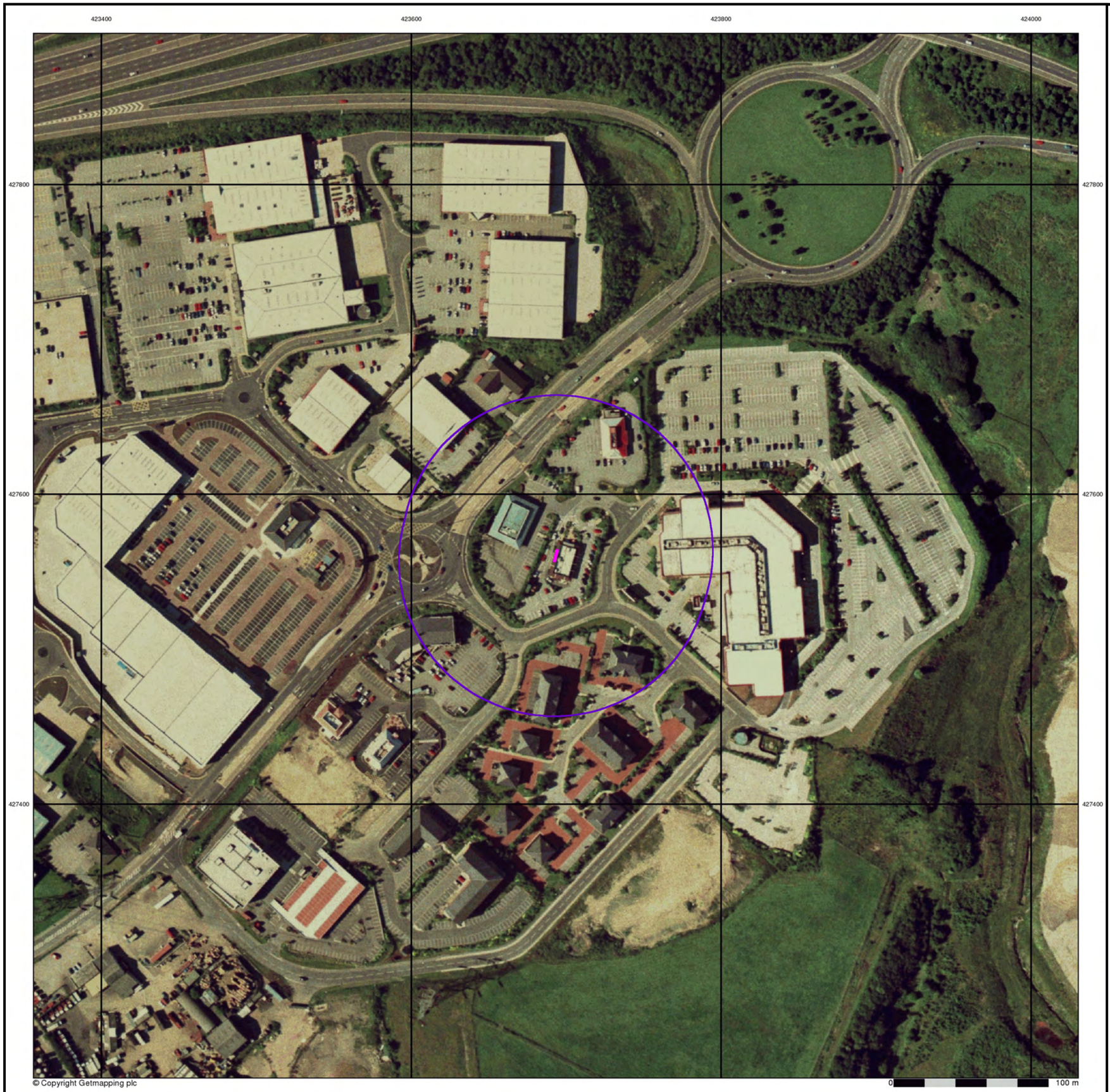
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National Grid Reference:	423690, 427560
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	100

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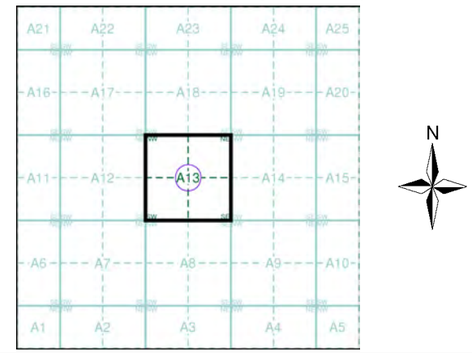
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Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

Order Number:	413645645_2_1
Customer Ref:	JN2071-MH
National Grid Reference:	423690, 427560
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	100

Site Details

McDonalds Restaurants Ltd, Centre 27 Business Park, Bankwood Way, Birstall, Batley, WF17 9TB

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

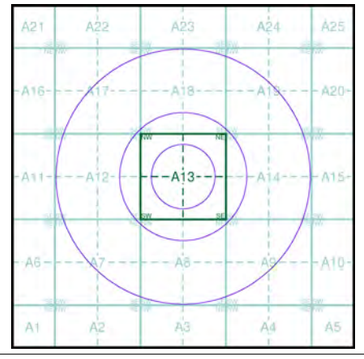
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or 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
Yorkshire	1:10,560	1852 - 1854	3
Yorkshire	1:10,560	1894	4
Yorkshire	1:10,560	1908	5
Yorkshire	1:10,560	1932	6
Yorkshire	1:10,560	1938	7
Yorkshire	1:10,560	1938 - 1948	8
Yorkshire	1:10,560	1948	9
Ordnance Survey Plan	1:10,000	1955 - 1957	10
Ordnance Survey Plan	1:10,000	1966	11
Leeds	1:10,000	1972	12
Ordnance Survey Plan	1:10,000	1976 - 1977	13
Batley	1:10,000	1983	14
Ordnance Survey Plan	1:10,000	1986	15
Bradford	1:10,000	1990	16
Ordnance Survey Plan	1:10,000	1991 - 1995	17
Ordnance Survey Plan	1:10,000	1996	18
10K Raster Mapping	1:10,000	2000	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2026	21

Historical Map - Slice A



Order Details

Order Number: 413645645_2_1
Customer Ref: JN2071-MH
National Grid Reference: 423690, 427560
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

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

243,8 — Values for prominent elevations

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

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

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
- 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

SE22NW_Leeds

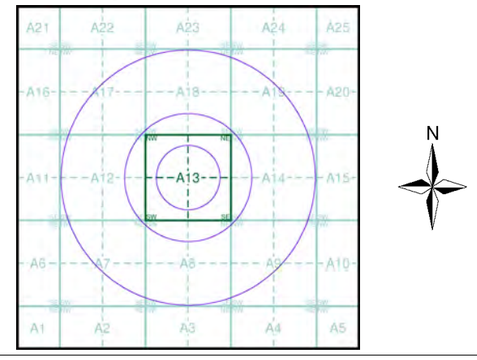
No.	Description
38	Factory (Machinery)

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1852 - 1854	3
Yorkshire	1:10,560	1894	4
Yorkshire	1:10,560	1908	5
Yorkshire	1:10,560	1932	6
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Ordnance Survey Plan	1:10,000	1996	18
10K Raster Mapping	1:10,000	2000	19
10K Raster Mapping	1:10,000	2006	20
VectorMap Local	1:10,000	2026	21

Russian Map - Slice A



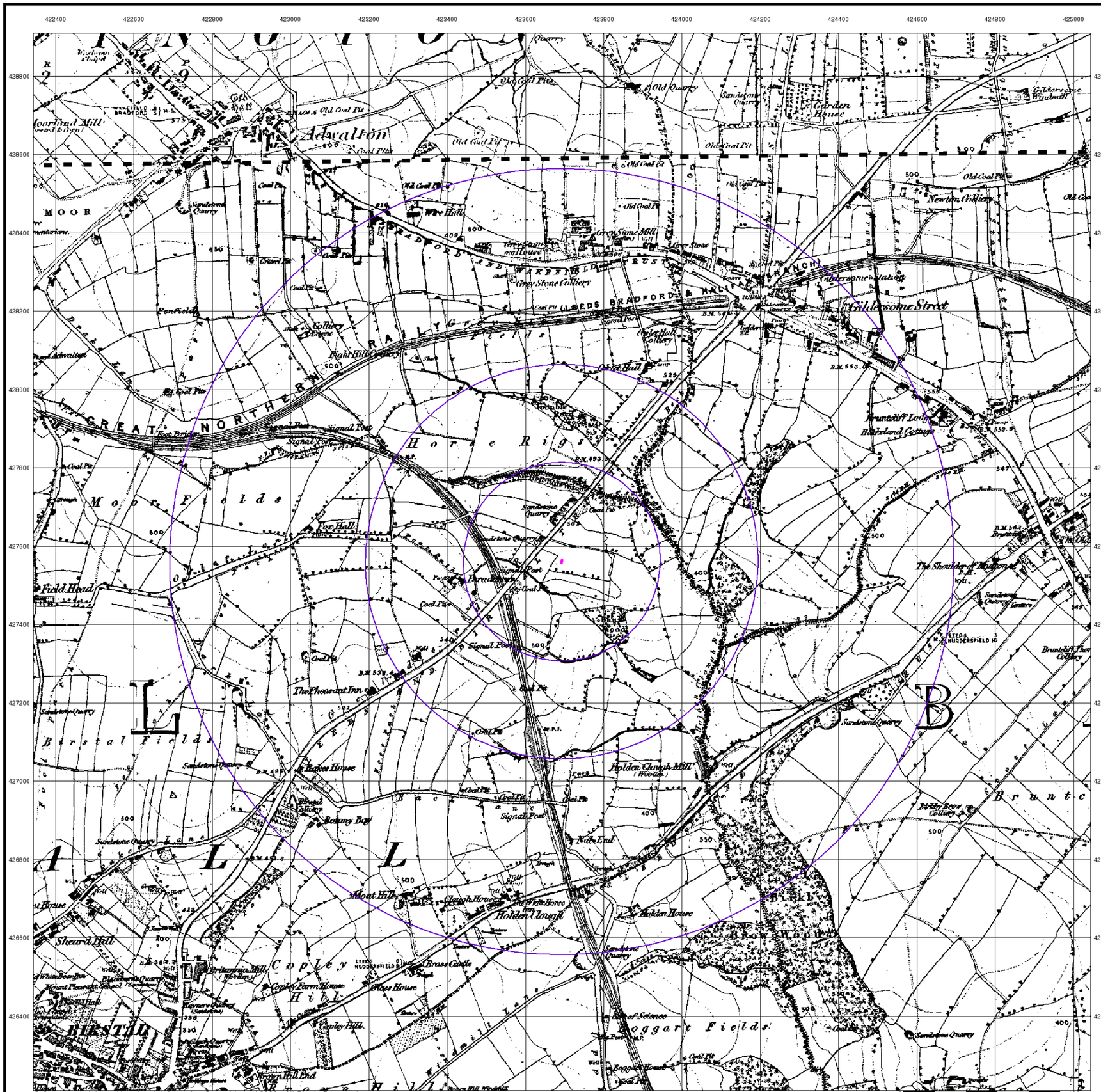
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Yorkshire

Published 1852 - 1854

Source map scale - 1:10,560

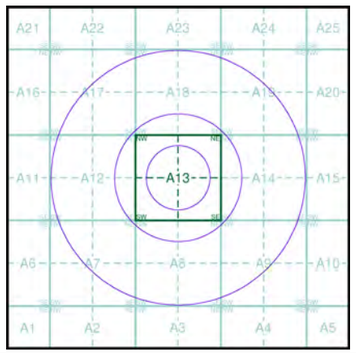
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

21700
1852
1:10,560

23200
1854
1:10,560

Historical Map - Slice A



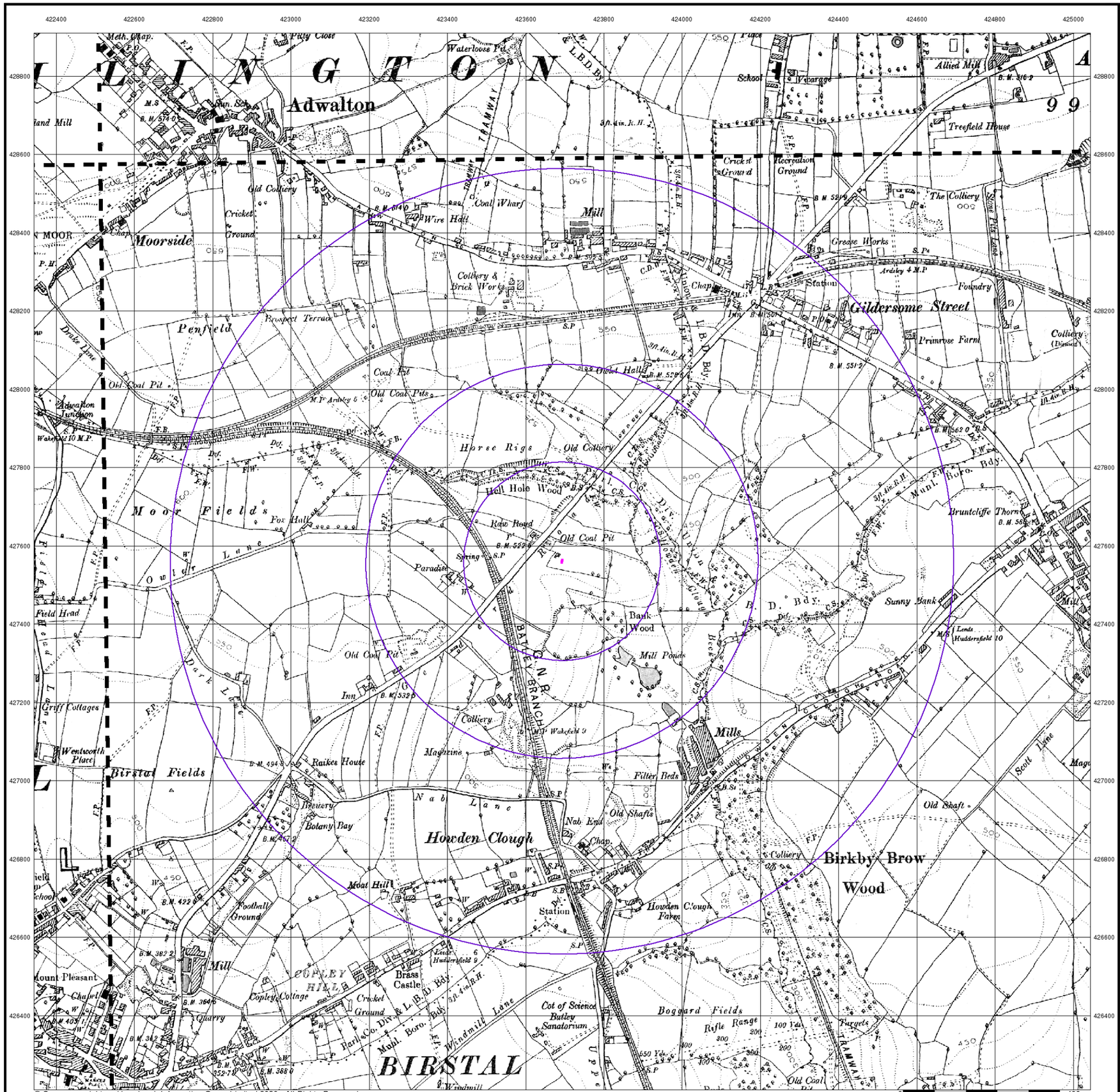
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Search Buffer (m):	1000

Site Details

McDonalds Restaurants Ltd, Centre 27 Business Park, Bankwood Way, Birstall, Batley, WF17 9TB

Landmark INFORMATION GROUP
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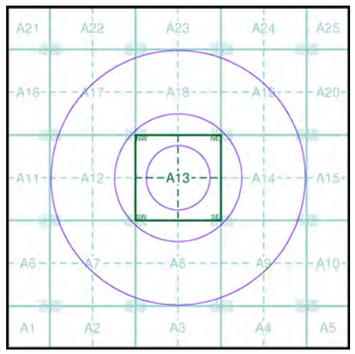
Source map scale - 1:10,560

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)

217SW 1894 1:10,560	217SE 1894 1:10,560
232NW 1894 1:10,560	232NE 1894 1:10,560

Historical Map - Slice A



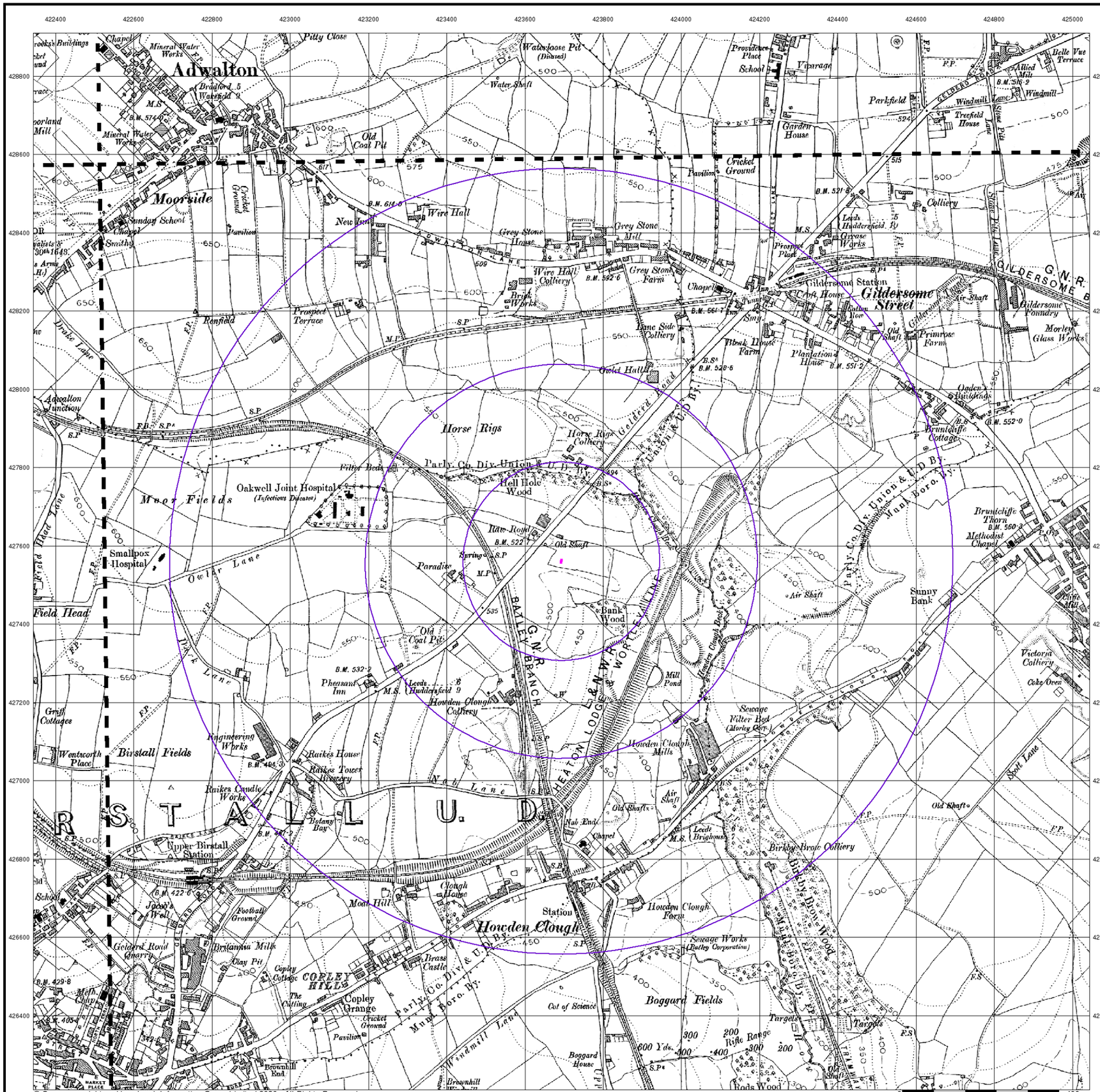
Order Details

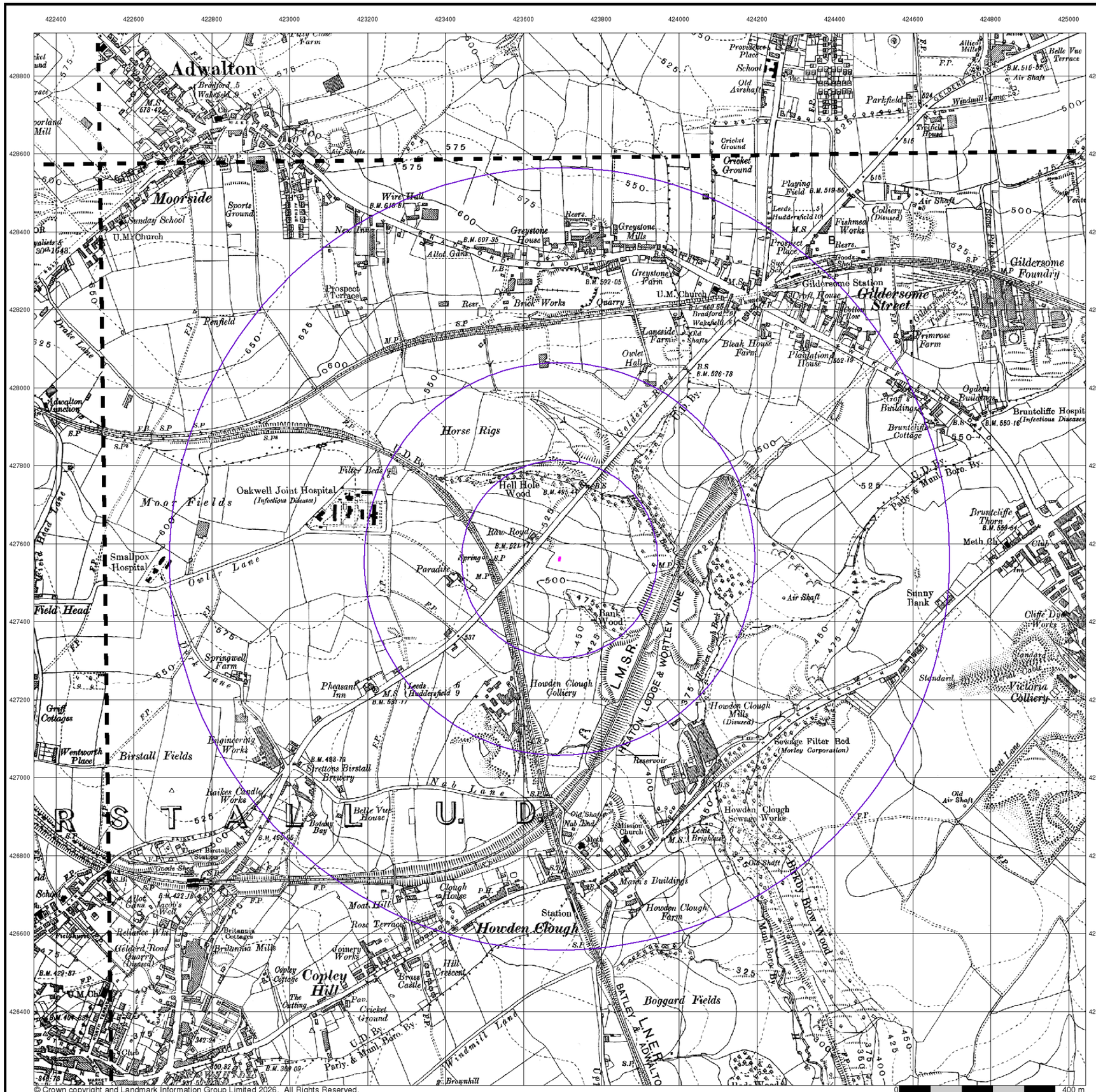
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Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

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Adwalton
Moorside
Wire Hall
Wire Hall Colliery
Grey Stone Farm
Grey Stone Mill
Gildersome Station
Gildersome Street
Horse Rigs
Horse Rigs Colliery
Oakwell Joint Hospital
(Infectious Diseases)
Hell Hole Wood
Moor Fields
Howden Clough
Howden Clough Colliery
Howden Clough Mills
Howden Clough Farm
Birstall Fields
Upper Birstall Station
Birkby Brook Colliery
Boggard Fields
Sunny Bank
Bank Wood
Old Coal Pit
Cricket Ground
Pavilion
Sunday School
Chapel
Smallpox Hospital
Field Head
Moat Hill
Clough House
Copley Grange
Copley Hill
Brunciffe Thorn
Methodist Chapel
Victoria Colliery
Coke Oven
Mill Pond
Sewage Filter Bed
Sewage Works
Air Shaft
Old Shaft
Primrose Farm
Morley Glass Works
Gildersome Foundry
Plantation House
Black House Farm
Lane Side Colliery
Brick Works
Prospect Terrace
Prospect Place
Providence Place School
Vicarage
Parkfield
Gardon House
Windmill
Treefield House
Belle Vue Terrace
Allied Mills
Colliery
Leeds Huddersfield Ry
Grease Works
Gildersome Station
Cross House
Station Row
Oaden Buildings
Brunciffe Cottage
Wentworth Place
Griff Cottages
Engineering Works
Raikes House
Raikes Tower Rivetery
Raikes Candle Works
Botany Bay
Nab End
Chapel
Leeds Brighouse
Jacob's Well
Football Ground
Britannia Mills
Clay Pit
Geldard Road Quarry
Brass Castle
The Cutting
Col of Science
Cricket Ground
Pavilion
Boggard House
Brownhill End
Brownhill
Rods Wood
Targets
Rifle Range
600 Yds.
Spring
Paradise
Old Shaft
Bank Wood
Waterloose Pit
(Disused)
Water Shaft
Pitty Close
Chapel
Mineral Water Works
Bradford 5
Wakefield 9
Leeds 8
Huddersfield 9
Howden Clough Colliery
Parly. Co. Div. Union & U. D. Ry.
Parly. Co. Div. & U. D. Ry.
Parly. Co. Div. Union & L.D. Ry.
Munl. Boro. Dy.
Geldard Road
Gelderd Road
Drake Lane
Adwalton Junction
Owler Lane
Field Head Lane
Dark Lane
Scott Lane
Nab Lane
Adwalton Lane
Gildersome Lane
Windmill Lane
Batley G.N. Branch
Heaton Lodge & W.H. Wortley Line
G.N.R.
Gildersome B
Birkby Brook Wood
Bankwood Way
Sunny Bank


Adwalton
Moorside
Sunday School
U.M. Church
Sports Ground
Wire Hall
New Inn
Greystone House
Greystone Mills
Greystone Farm
Prospect Terrace
Brick Works
Quarry
Renfield
Drake Lake
Adwalton Junction
Horse Rigs
Moor Fields
Oakwell Joint Hospital
(Infectious Disease)
Filter Beds
Hell Hole Wood
Raw Road
Smallpox Hospital
Owler Lane
Field Head
Springwell Farm Lane
Pheasant Inn
Howden Clough Colliery
L.M.S.R.
HEATON LODGE & WORTLEY LINE
Howden Clough Mills (Disused)
Sewage Filter Bed (Morley Corporation)
Reservoir
Howden Clough Sewage Works
Howden Clough
Howden Clough Farm
Birstall Fields
Engineering Works
Stretton's Birstall Brewery
Haikes Candle Works
Nab Lane
Nab End
Mission Church
Mann's Buildings
Boggard Fields
Windmill Lane
Victoria Colliery
Howden Clough Works
Old Air Shaft
Scott Lane
Standard
Sunny Bank
Cliff Dyke Works
Gildersome
Gildersome Station
Gildersome Street
Gildersome Foundry
Fishmead Works
Colliery (Disused)
Air Shaft
Cricket Ground
Playing Field
Old Airshaft
Parkfield
Windmill Lane
Primrose Farm
Plantation House
Bleak House Farm
Lanes Farm
Owlet Hall
Ogden's Buildings
Brunteliffe Hospital
(Infectious Diseases)
Brunteliffe Cottage
Brunteliffe Thorn
Meth Ch
Prospect Place
Croft House
Cotton Row
Goff's Buildings
Belle Vue Terrace
Allied Mills
Provident Place School
Twenty Field House
Gelderd Road
Gelderd Road Quarry (Disused)
Britannia Mills
Britannia Cottages
Reliance Wks
Rose Terrace
Moat Hall
Clough House
Joinery Works
Copley Hill
Copley Cottage
Brass Castle
Hill Crescent
The Cutting
Cricket Ground
Wentworth Place
Graff Cottages
Super Birstall Station
Goods Shed
Allot. Gdns.
Jacob's Well
Bank Wood
Howden Clough Beck
Bank
Spring
Paradise
Brownhill
U.D. By.
Parly. & Mun. Boro. By.
L.N.E.R.
BATLEY & ADWALTON
Mutal Boro' By.
Burry Brow Wood
Old Shaft
Air Shaft
Tunnel
Quarry
Tramway
Goods Shed
Sch.
Ch.
Inn
Club
Pav.
Meth Ch
Cliff
Tel.
Mkt
Cem.
Ind. Est.
Allot. Gdns.
Sewage Filter Beds
Reservoir
Brownhill
Station
Bank
Wood
Cricket Ground
Playing Field
Old Airshaft
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Gildersome
Gildersome Station
Gildersome Street
Gildersome Foundry
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Howden Clough Farm
Howden Clough Sewage Works
Howden Clough Mills (Disused)
Sewage Filter Bed (Morley Corporation)
Howden Clough Colliery
Victoria Colliery
Howden Clough Works
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