



515 Stockwood Road, Brislington

Coal Mining Risk Assessment

Project No: 732959

Client: 515 Stockwood LLP

AUGUST 2017



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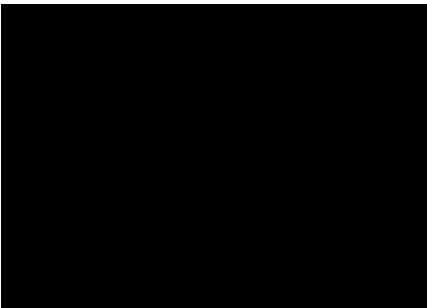
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1 INTRODUCTION

A planning application is being prepared for a proposed development at 515 Stockwood Road, Brislington. The proposal is to redevelop the car park to the rear of an existing office block with a mix of houses and flats.

Structural Soils Limited (SSL) has been commissioned to prepare a Coal Mining Risk Assessment Report on the proposed development site, in order to provide the Local Planning Authority with information on coal mining and an assessment of its impact on land stability.

This report was prepared by Structural Soils Limited for the sole and exclusive use of 515 Stockwood LLP in response to particular instructions. Any other parties using the information contained in this report do so at their own risk and any duty of care to those parties is excluded. No liability will be accepted after a period of 6 years from the date of the report.

1.1 Site Location and Description

The site is located approximately 30 m west of Brislington Park and Ride. The British National Grid Reference of the site is ST 625 700. The site consists of a roughly L shaped plot, orientated with its long axis trending NE-SW, measuring approximately 120 m by 60 m in size. An office block with surrounding soft landscaping is present across the eastern portion of the site whilst the rest of the site is used as a car park.

1.2 Description and Layout of Proposed Development

It is proposed to convert a three storey block for residential use and further extend the block with the addition of two storeys. It is further proposed to redevelop the car park to the rear of the block with the construction of residential properties.

1.3 Purpose of Report

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

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

2 SOURCES OF INFORMATION USED TO INFORM THIS REPORT

2.1 Geology

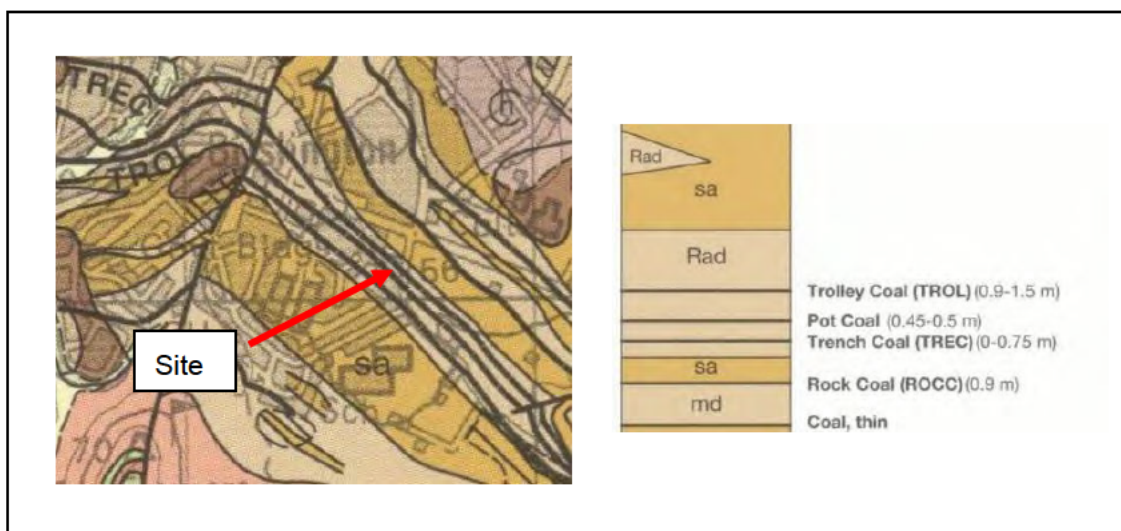
Information on the geology of the site was obtained from the following sources published by the British Geological Survey (BGS):

- BGS 1:50,000 scale sheet 264 published 2004 (available on-line)
- BGS 1:10,560 sheet ST 67 SW, published 1961. Paper copy consulted.
- The BGS digital geology map, which utilises the most up to date names for geological units ([REDACTED]).
- The BGS Lexicon of Named Rock Units, which provides typical descriptions for most geological units ([REDACTED]).
- BGS National Geoscience Data Centre collection of onshore scanned boreholes, shafts and well records.
- BGS Memoir: Geology of the Bristol District, published 1993

Note: Information obtained from BGS digital records © NERC.

The site is shown to be underlain by the Radstock Formation, which is described as *'grey mudstones and sandstones containing numerous thin, muddy coal seams'*.

The BGS online maps portal provides access to scans of almost all maps produced by the BGS since 1932. An extract of the most recent available map for the site is included below:

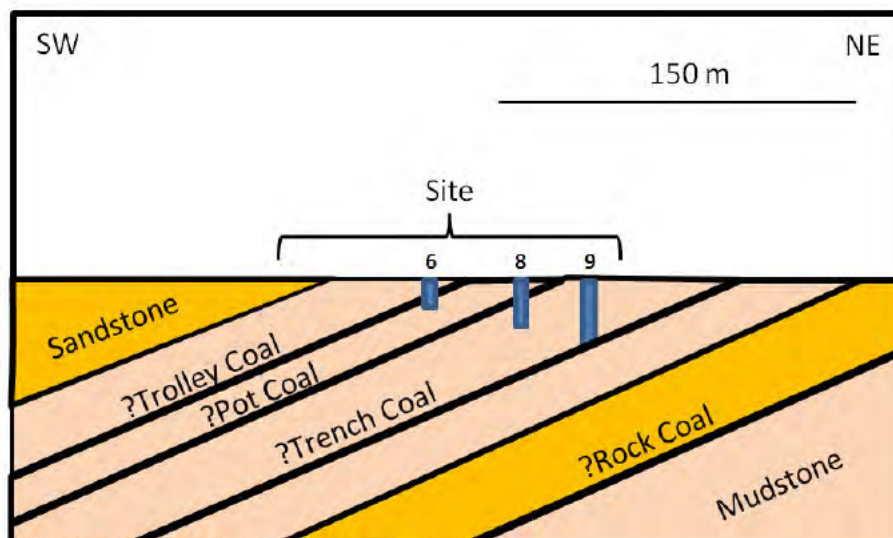
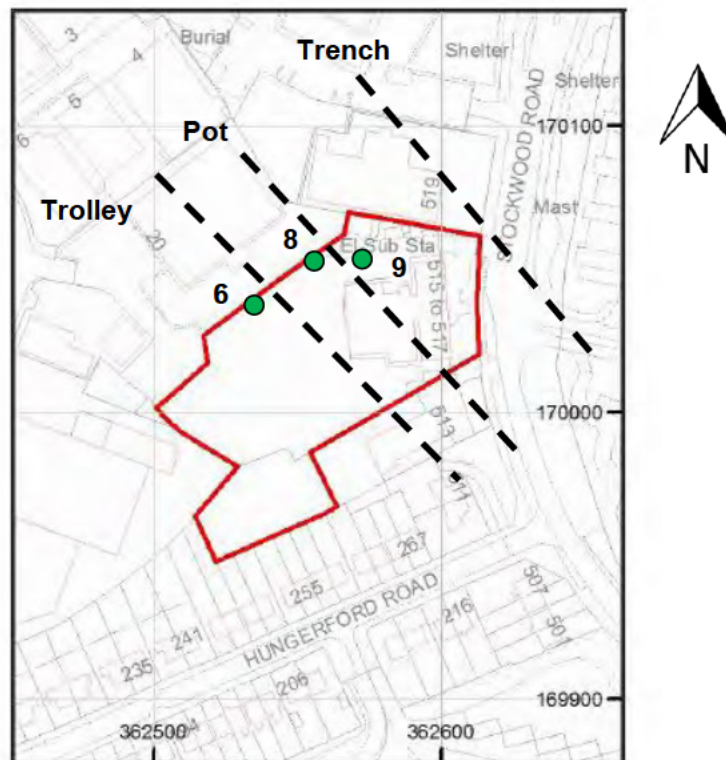


Note: Above images contain British Geological Survey materials ©NERC [2015].

The geological maps show the Pot and Trolley coal seams to outcrop across the site whilst the Trench coal seam outcrops in close proximity to the north east. These three seams strike approximately north west – south east and dip down towards the south west beneath the site. The 1:10,560 scale geological map indicates the Trench, Pot and

Trolley seams to be 2 foot 6 inches, 1 foot 6 inches and 3 foot thick respectively. This map further indicates pits or mine shafts approximately 100 m to the north and 150 m to the north west of the site.

BGS borehole records show three boreholes to have been drilled to between 17 m and 29 m depth along the northern margin of the site in 1965. These boreholes were arranged in a linear fashion and orientated from the north east - south west are numbered 9, 8 and 6 (See image below). Borehole 9 has been identified to contain one foot of coal at 85 feet (25 m), possibly belonging to the Trench seam. Boreholes 8 and 6 indicate historic mine workings to be present beneath the site. Surface workings are recorded at 13 feet (4 m) in borehole 8 which are probably targeting the Pot seam whilst underground workings at 50 feet (15 m) in borehole 6 are probably targeting the Trolley seam. A dip of 20° is noted in borehole 8 (See cross-section below).



2.2 Coal Mining Reports

Information has been obtained from 'The Coal Authority' and 'Bristol Coal Mining Archives Limited'.

2.2.1 Non-Residential Coal Authority Mining Report

The Non-Residential Coal Authority Mining Report located at British National Grid reference ST 625 700 (Ref: 51001501283001) supplied to us is based on, and limited to, the records held by the Coal Authority records at the time the search was conducted on 20 July 2017.

The Coal Authority's report is appended and should be read in conjunction with this Risk Assessment. The pertinent points of the Coal Authority report are summarised below.

The report states that the property is not within a surface area that could be affected by past underground mining but states that the property is in an area where the Coal Authority believes there is coal at or close to the surface. This coal may have been worked at some time in the past.

The property is not within the boundary of a past opencast coal mining site from which coal has been removed by opencast methods and the Coal Authority has no record of mine gas emission requiring action.

The report also states that there are no known coal mine entries within, or within 20 m of the boundary of the property and the Coal Authority have not received a damage notice/claim for the property or any property within 50 m since October 1994.

2.2.2 Bristol Coal Mining Archives Limited

A report obtained from Bristol Coal Mining Archives dated 26 July 2017 for 515 Stockwood Road, Brislington, Bristol, BS4 5LR states that the property is situated in an area that was worked for coal in the 18th century and may be sited over workings from an earlier date.

The geological maps indicate that two seams of the Upper Coal Measures outcrop on the site. The 3 foot thick Trolley and 1 foot thick Pot seams outcrop across the property from just below the surface down to around 75 feet (23 m) and 125 feet (35 m) at the southern perimeter, respectively. These seams may have been worked at the surface along the crop at an early date. A third coal seam, the 2 foot 6 inch thick Trench seam, outcrops to the north of the site and dips to the south running beneath the property. This seam will be present at a depth of around 30 feet (10 m) to approximately 150 feet (45 m).

The report states that no shafts or adits are known inside the boundary of the property or within 100 feet (30 m) of the boundary. The nearest recorded coaling shafts lie 330 feet (95 m) to the north and 410 feet (125 m) to the west, which are too far distant to be of any concern. However wells and pump shafts are recorded closer than this, with the nearest pump shaft recorded at 100 feet (30 m) to the west and a well approximately 200 feet (60 m) to the north.

2.2.3 Discussion of evidence for Coal Seams

The available information indicates that the Pot and Trolley seams of the Radstock Formation outcrop on the site, whilst the Trench seam outcrops to the north of the site. All three seams dip to the south west under the site and are estimated to be present from the surface to approximately 45 m below ground level.

Sources suggest that linear crop mining at the surface is likely to have been undertaken and later backfilled. BGS boreholes drilled at the northern margin of the site have identified surface working of the Trolley seam in borehole 6 at 4 m whilst underground working of the Pot seam is recorded in borehole 8 at 15 m. These workings are not recorded by the Coal Authority or the Bristol Coal Mining Archive. Furthermore, a coal seam has been identified at 25 m in borehole 9 which is likely to be the Trench seam.

There are no records of mine entries on the site; however a pump shaft has been identified 30 m to the west, which is possibly associated with the mine workings on-site.

2.3 Historic Ordnance Survey Mapping

A search of historical Ordnance Survey maps was undertaken to look for evidence of old coal workings at or in the vicinity of the site. Extracts of maps that are discussed below can be found in Appendix B of this report. Unless, otherwise stated, all distances quoted are measured from the site boundary that is marked on the maps.

TABLE 2: SUMMARY OF HISTORICAL MAP DATA			
Dates	Scale	Significant features, changes and developments:	
		On site	In surroundings [distance(m)]
1884	1:2,500 & 1:10,560	Eastern portion of site occupied by farmland. Western and central portion of site occupied by an orchard. Southern portion of site occupied by rifle range.	Site surrounded by farmland. N-S orientated path running along eastern site margin. Possible coal mining pits approximately 100 m to N and 580 m to W. Well present 60 m to NW.
1904 - 1920	1:2,500 & 1:10,560	No significant changes.	Quarry present 345 m to E. Possible coal mining pits approximately 550 and 750 m to SW.
1932 - 1938	1:2,500 & 1:10,560	No significant changes.	Industrial buildings constructed on northern site margin.
1946 - 1976	1:1,250 & 1:10,560	Orchard and farmland cleared. Warehouse, builders yard, industrial building and depot yard present on site.	Brislington Trading Estate established: garages, warehouses, paint works, printing works and depots present from northern site margin to 1 km N.
1984 - 1989	1:1,250 & 1:10,000	Industrial building demolished Craft training centre, electricity sub-station, office building and garages constructed onsite.	Expansion of Brislington Trading Estate to N.
1992 -	1:1,250 &	No significant changes.	Brislington Park and Ride

1999	1:10,000		present 30 m to E.
2003 - 2017	1:10,000	Demolition of craft training centre, builders yard and warehouse.	No significant changes.

The historic maps between 1884 and 1920 contain multiple surface features orientated north west to south east, parallel to the coal seams, which are likely to be related to coal mining. The nearest surface features to the site are a well located 60 m to the north west and a pit located approximately 100 m to the north of the site.

3 IDENTIFICATION AND ASSESSMENT OF SITE SPECIFIC COAL MINING RISKS

The table below summarises the potential risks associated with coal mining legacy for the proposed development site, identified from the sources of information in Section 2 of this report.

TABLE 3:SUMMARY OF POTENTIAL COAL MINING LEGACY RISKS			
Coal Mining Issue	Yes	No	Risk Assessment
Underground coal mining (recorded at shallow depths)	✓		Mine workings recorded on BGS borehole records as present at northern boundary.
Underground coal mining (possible shallow depths)	✓		Coal seams likely to outcrop across the site and underlie at shallow depth. Potential for more mine workings.
Mine entries (shafts or adits)	✓		Possible unrecorded entrances in local area or on-site associated with known workings.
Coal mining geology (fissures)		✓	None recorded.
Record of past mine gas emissions		✓	None recorded.
Record of coal mining surface hazard		✓	No records but possible risk of subsidence above mine workings.
Surface mining (opencast workings)		✓	No records but coal outcrops possibly mined and voids backfilled.

3.1 Discussion of potential risks

The available evidence indicates that there will be two coal seams belonging to the Radstock Formation at surface with a third at shallow depth under the site, dipping down to the south-west.

The coal outcrops are likely to have been worked from the surface and the voids backfilled, whilst shallow infilled workings have been identified at 4 m and 15 m beneath the northern margin of the site.

A pump shaft identified 30 m to the west of the site might have provided access to the identified mine workings. However, there may possibly be other unrecorded entrances in local area or on-site associated with these workings.

There are no records of coal mining surface hazards however, the infilled surface workings, shallow infilled working and the presence of other potential workings beneath the site could pose a risk of subsidence / settlement to the proposed new dwellings.

4 MITIGATION STRATEGY PROPOSED

4.1 Mitigation Strategy

It is recommended that the following measures be undertaken to mitigate against the risks posed to the site identified in Sections 2 and 3 of this report:

The site is crossed by two coal seams, which were probably worked at outcrop from the surface. In order to investigate these, the normal procedure would be to excavate trenches at right angles to the seam outcrops. However, this may be difficult to do whilst the site is occupied because of the numerous active services under the site. This work could be carried out once the site is unoccupied and the services disused.

The underground workings should be investigated by rotary probe drilling; we would recommend an allowance of 6 boreholes to 30 m; the exact positions would depend on the findings of earlier holes.

During construction, ground workers should remain vigilant for any sudden or unexpected changes in ground conditions that could be indicative of former workings, which should be brought to the immediate attention of the Designer. If potential workings were found, further investigation and gas monitoring might be appropriate.

4.2 The Coal Authority Permission

Prior written permission is required for intrusive activities which will disturb or enter any coal seams, coal mine workings or coal mine entries (shafts and adits).

Further information on The Coal Authority's permissions process can be found at: <https://www.gov.uk/get-a-permit-to-deal-with-a-coal-mine-on-your-property>.

5 SUMMARY

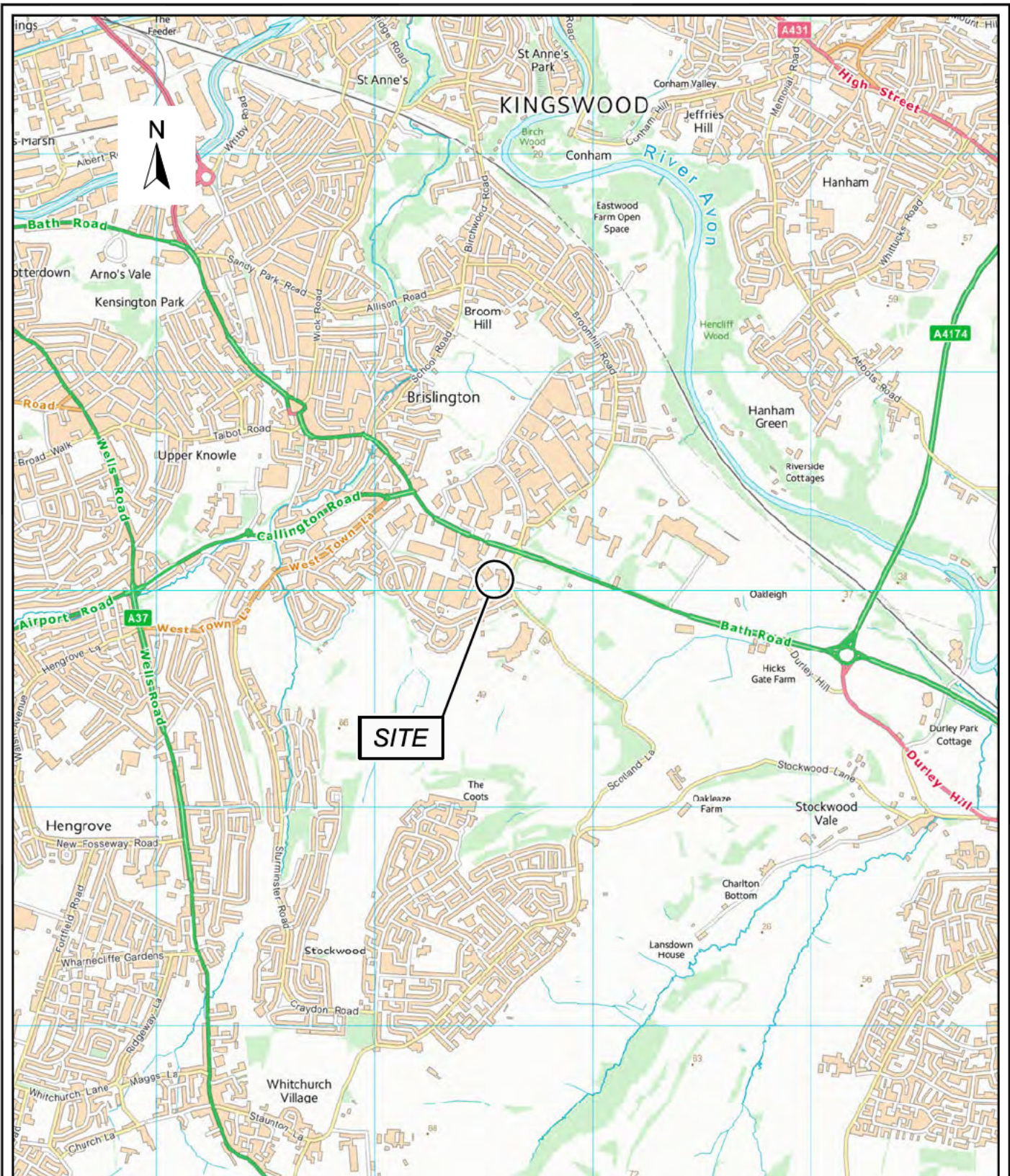
- 5.1** A planning application is being prepared for a proposed development at 515 Stockwood Road, Brislington. The proposal is to redevelop the car park to the rear of an existing office block with a mix of houses and flats.
- 5.2** Structural Soils Limited has been commissioned to prepare a Coal Mining Risk Assessment Report of the proposed development site.
- 5.3** The site is located on Stockwood Road in Brislington, Bristol. It comprises an office block and car park.
- 5.4** Published geological information indicates that the site is underlain by the Radstock Formation which contains the Trench, Pot and Trolley coal seams. The Pot and Trolley coal seams outcrop across the site whilst the Trench coal seam outcrops in close proximity to the north east. The seams dip down to the south west beneath the site.
- 5.5** Archive logs of boreholes drilled on the north portion of the site encountered old workings at 4 m and 15 m depth and possibly the Trench seam at 25 m depth.
- 5.6** A non-residential Coal Authority Mining Report produced by The Coal Authority states that the property is not within a surface area that could be affected by past underground mining but states that the property is in an area where the Coal Authority believes there is coal at or close to the surface. This coal may have been worked at some time in the past.
- 5.7** A Coal Mining report obtained from the Bristol Coal Mining Archives states that the Pot and Trolley seams outcrop across the property from just below the surface down to around 35 m and 23 m at the southern perimeter, respectively. The Trench seam, which outcrops to the north of the site and dips to the south will be present beneath the property at a depth of 10 m to approximately 45 m. These seams may have been worked at the surface along the crop at an early date.
- 5.8** Recorded surface workings at 4 m and underground workings at 15 m depth pose a significant risk to the proposed development at 515 Stockwood Road.
- 5.9** An intrusive investigation is recommended of 6 rotary probe holes to investigate the risk posed to the proposed development from coal mining legacy issues.
- 5.10** During construction, ground workers should remain vigilant for any sudden or unexpected changes in ground conditions that could be indicative of former workings, which should be brought to the immediate attention of the Designer.

6 REFERENCES

- 6.1 British Geological Survey sheet 264, scale 1:50,000 published 2004.
- 6.2 BGS 1:10,560 sheet ST 67 SW, published 1961.
- 6.3 British Geological Survey online digital geological map, www.bgs.ac.uk/data
- 6.4 British Geological Survey Lexicon of Named Rock Units, www.bgs.ac.uk/lexicon
- 6.5 [REDACTED]
- 6.6 Non-Residential Coal Authority Mining Report by The Coal Authority for site at 515 Stockwood Road
- 6.7 Bristol Coal Mining Archives report for the site at 515 Stockwood Road, Brislington, Bristol, BS4 5LR.
- 6.8 [REDACTED]

APPENDIX A - PLANS AND DRAWINGS

(i) Site Location Plan



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 www.soils.co.uk

CLIENT
 515 Stockwood LLP

PROJECT
 Stockwood Road, Brislington

TITLE
 SITE LOCATION MAP

REV.	DATE	DESCRIPTION	BY	CHD.	APR.
00	01.08.2017	-	NP	JE	-

DIMENSION	SCALE	DRAWING STATUS
m	1:25,000	-

JOB NO	GRID REF	SCALE BAR	ORIGIN SIZE	FIGURE
732959	ST 625 700		A4	1

APPENDIX B - COAL MINING REPORTS AND OTHER HISTORICAL RECORDS

- (i) The Coal Authority Report
- (ii) Bristol Coal Mining Archive Reports
- (iii) Historical Mapping
- (iv) Historic Borehole Logs



The Coal
Authority

Resolving the **impacts** of mining

CON29M Non-Residential Mining Report

GROUND FLOOR, 515-517
BRISLINGTON
STOCKWOOD ROAD BRISTOL

Date of enquiry: 20 July 2017
Date enquiry received: 20 July 2017
Issue date: 20 July 2017

Our reference: 51001501283001
Your reference: 132927417_1 |



CON29M Non-Residential Mining Report

This report is based on, and limited to, the records held by the Coal Authority and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Client name

LANDMARK INFORMATION GROUP LIMITED

Enquiry address

GROUND FLOOR, 515-517, BRISLINGTON,
STOCKWOOD ROAD, BRISTOL

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

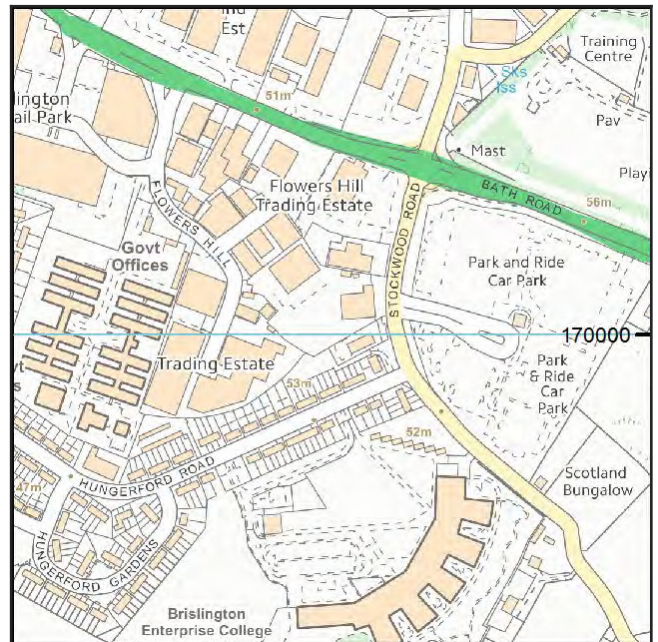
200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG



 /company/the-coal-authority

 /thecoalauthority

 /coalauthority



Approximate position of property



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Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	Yes
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	Yes
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	No
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No
15	Information from the Cheshire Brine Subsidence Compensation Board	No

For detailed findings, please go to page 4.

Detailed findings

1. Past underground coal mining

The property is not within a surface area that could be affected by past underground mining.

However the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered prior to any site works or future development activity. Your attention is drawn to the Comments on the Coal Authority information section of the report.

2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

However, reserves of coal exist in the local area which could be worked at some time in the future.

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

4. Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

There may however be mine entries/additional mine entries in the local area which the Coal Authority has no knowledge of.

5. Coal mining geology

The Coal Authority is not aware of any damage due to geological faults or other lines of weakness that have been affected by coal mining.

6. Past opencast coal mining

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

7. Present opencast coal mining

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

8. Future opencast coal mining

There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

9. Coal mining subsidence

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

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

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

10. Mine gas

The Coal Authority has no record of a mine gas emission requiring action.

11. Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

12. Withdrawal of support

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

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

13. Working facilities order

The property is not in an area where an order has been made, under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

14. 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.

15. Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Comments on the Coal Authority information

The Coal Authority own the copyright in this report and the information used is protected by our database right.

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Additional remarks

Information provided by the Coal Authority in this report is compiled in response to the Law Society's Con29M Coal Mining and Brine Subsidence Claim enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. Please note that Brine Subsidence Claim enquiries are only relevant for England and Wales. This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions applicable at the time the report was produced.

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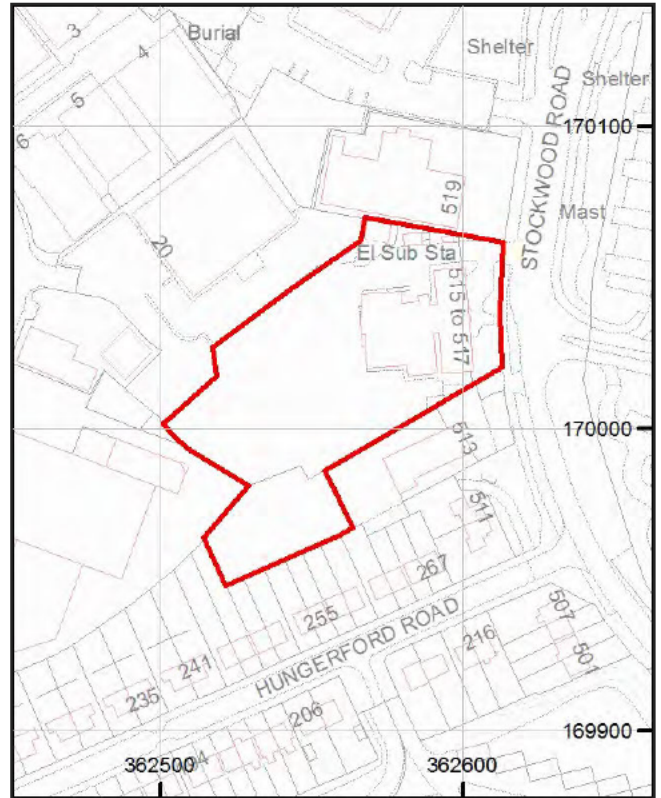
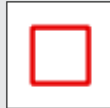
Alternative formats

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Enquiry boundary

Key

Approximate position of enquiry boundary shown



How to contact us


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 /thecoalauthority

 /coalauthority

FAO [REDACTED]
Structural Soils Ltd
The Old School
Stillhouse Lane
Bedminster
Bristol BS3 4EB

Date: 26/07/17
Our Ref: 54327
Your Ref: P0565691

Dear Sirs

Re: - 515 Stockwood Road Brislington Bristol BS4 5LR

Thank you for your enquiry which we received on 20/07/17.

We have searched our records and report as follows:-

Past Mining Activity

The property is situated in an area that was worked for coal in the 18th century and may be over workings from an earlier date.

The geological sheets indicate that three seams of the Upper Coal Measures outcrop in this area.

The three foot thick Trolley and one foot thick Pot seams outcrop across the property and may have been worked along the crop at an early date.

Crop workings were essentially linear quarries from which the most easily accessible coal was extracted, down to a depth of about ten feet. Once exhausted these trenches would be backfilled and the land returned to agriculture.

These seams will be present from just below the surface down to around 75 feet and 125 feet at the southern perimeter, respectively.

The two foot six inch thick Trench Seam, outcrops to the north and dips south toward and beneath the property this seam will be present at a depth of around 30 feet to about 150 feet.

Where a great number of wells or pump shafts are present, particularly close to an outcrop the suspicion would be that these wells did not begin their existence for that purpose. Where that

is the case the possibility that some at least were sunk originally as either bell pits or shallow shafts to a seam, were exhausted, abandoned and later reused as wells is always a suspicion.

The presence of wells and pump shafts in this district, in an area that was predominantly farmland in the 18th century is an indication that this may have been the case in this district.

Consequently there is a possibility, which cannot be entirely discounted that crop workings and bell pits in the Trolley and Pot seams may have existed here. We must however stress that no subsidence is known in this area and there are no recorded coaling shafts in this precise location. We would suggest that your surveyor pays particular attention to any signs of settlement in the building structure.

Shafts and Adits

No coaling shafts are known inside the boundary of the property, or within 100 feet.

The nearest recorded coaling shafts lie 330 feet to the north and 410 feet to the west, too far distant to affect the property.

Wells and pump shafts are recorded closer than this. The nearest of these is a pump shaft around, 100 feet to the west and a well about 200 feet to the north.

The possibility of further unrecorded wells and shallow shafts closer than these cannot be ruled out.

Water and Drainage Levels

None are known in the vicinity.

Surface Geology

The property stands on beds of Carboniferous sandstones that contain the coal seams of the Upper Coal Measures.

Subsidence

Despite the possible presence of early shallow workings, we have no knowledge of damage to property caused by subsidence specifically attributable to mining activity in the immediate area.

Disclaimer

Whilst we believe that our archive is truly comprehensive we nevertheless acknowledge that there may be documentary sources unknown to us. Consequently this report is limited to the information in our possession.

Because the information in the report is obtained from records and documents prepared by others, it follows that the company cannot accept responsibility for any inaccuracies in those records or omissions from them.

If we express an opinion as to whether any mine workings revealed by this report would affect the property, we do so, on the basis of a theoretical relationship between the depth of the workings and the size of the seam. Any risk of subsidence also diminishes with the age of

the workings. However, recent experience makes it plain that if there are workings under or adjacent to the property, there may be some degree of risk.

Yours faithfully

Bristol Coalmining Archives Limited

Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
Co. Boro. Bdy.
County Burgh Boundary (Scotland)
Boundary Post or Stone **Police Call Box**
B.R. **Bridle Road** **P** **Pump**
E.P. **Electricity Pylon** **S.P.** **Signal Post**
F.B. **Foot Bridge** **Sl.** **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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
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**
EI 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

Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m **Bench Mark** **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
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**
EI Gen Sta **Electricity Generating Station** **Sewage Ppg Sta** **Sewage Pumping Station**
EI P **Electricity Pole, Pillar** **SB, S Br** **Signal Box or Bridge**
EI 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 Governor** **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**



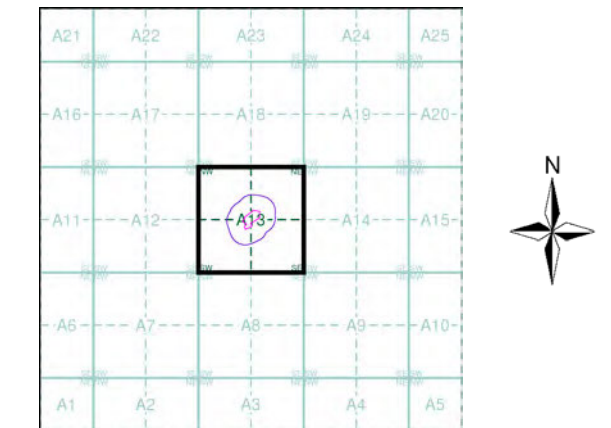
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Somerset	1:2,500	1884 - 1886	2
Gloucestershire	1:2,500	1884	3
Gloucestershire	1:2,500	1904	4
Somerset	1:2,500	1904	5
Gloucestershire	1:2,500	1916	6
Somerset	1:2,500	1916	7
Somerset	1:2,500	1931	8
Ordnance Survey Plan	1:1,250	1947 - 1960	9
Ordnance Survey Plan	1:1,250	1950 - 1976	10
Ordnance Survey Plan	1:1,250	1960 - 1965	11
Ordnance Survey Plan	1:2,500	1961	12
Ordnance Survey Plan	1:1,250	1965	13
Ordnance Survey Plan	1:2,500	1970	14
Additional SIMs	1:1,250	1984 - 1988	15
Additional SIMs	1:1,250	1989	16
Ordnance Survey Plan	1:1,250	1991	17
Large-Scale National Grid Data	1:1,250	1992	18
Large-Scale National Grid Data	1:1,250	1994	19
Large-Scale National Grid Data	1:1,250	1994	20
Historical Aerial Photography	1:2,500	1999	21

Historical Map - Segment A13



Order Details

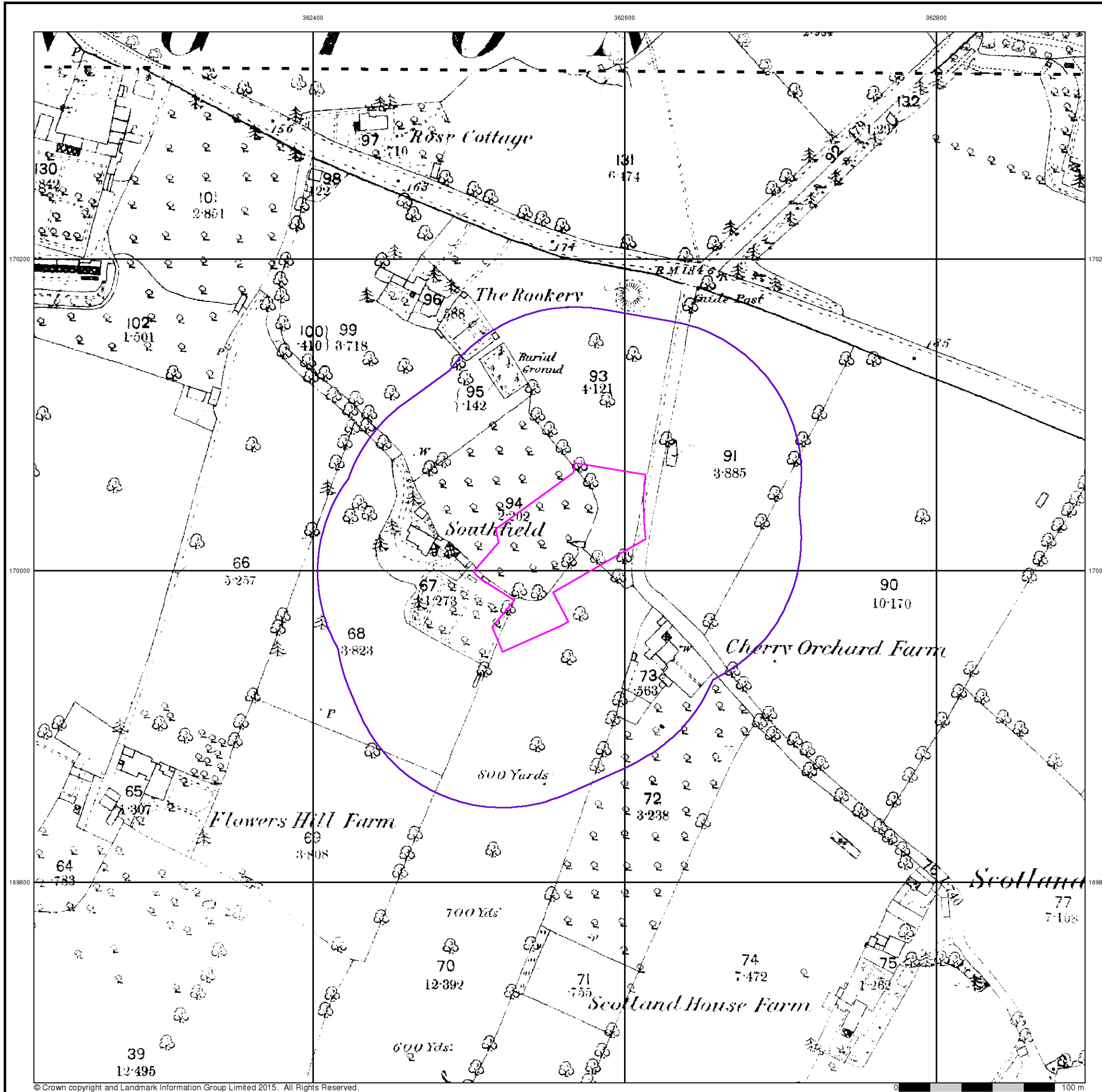
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 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 100

Site Details

Ground Floor, 515-517, Stockwood Road, Brislington,
 BRISTOL, BS4 5LR

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 Web: www.envirocheck.co.uk



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Somerset

Published 1884 - 1886

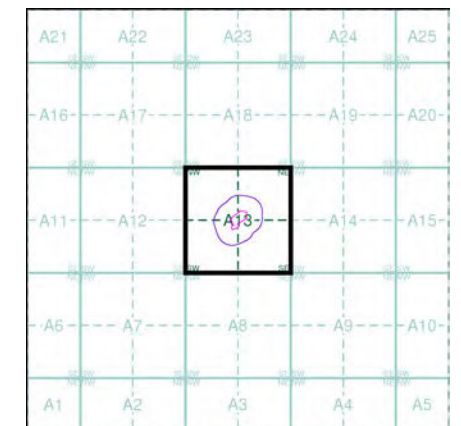
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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)

006_08 1886 1:2,500
006_12 1884 1:2,500

Historical Map - Segment A13



Order Details

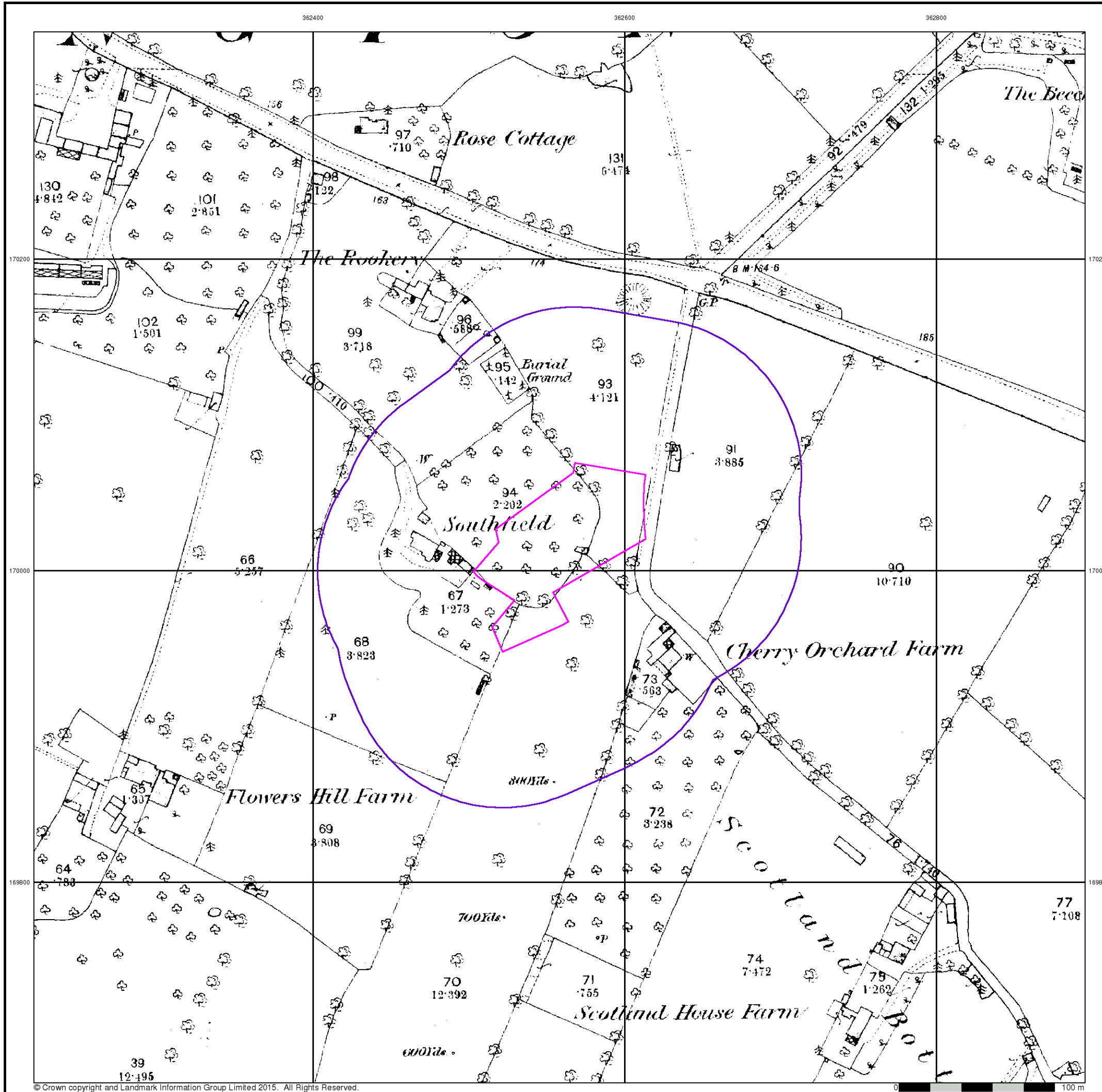
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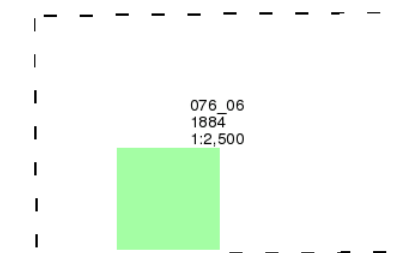
Gloucestershire

Published 1884

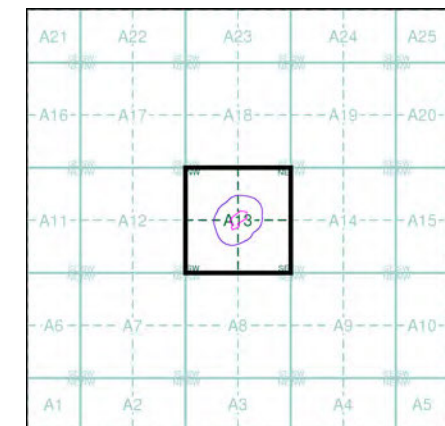
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Map Name(s) and Date(s)



Historical Map - Segment A13



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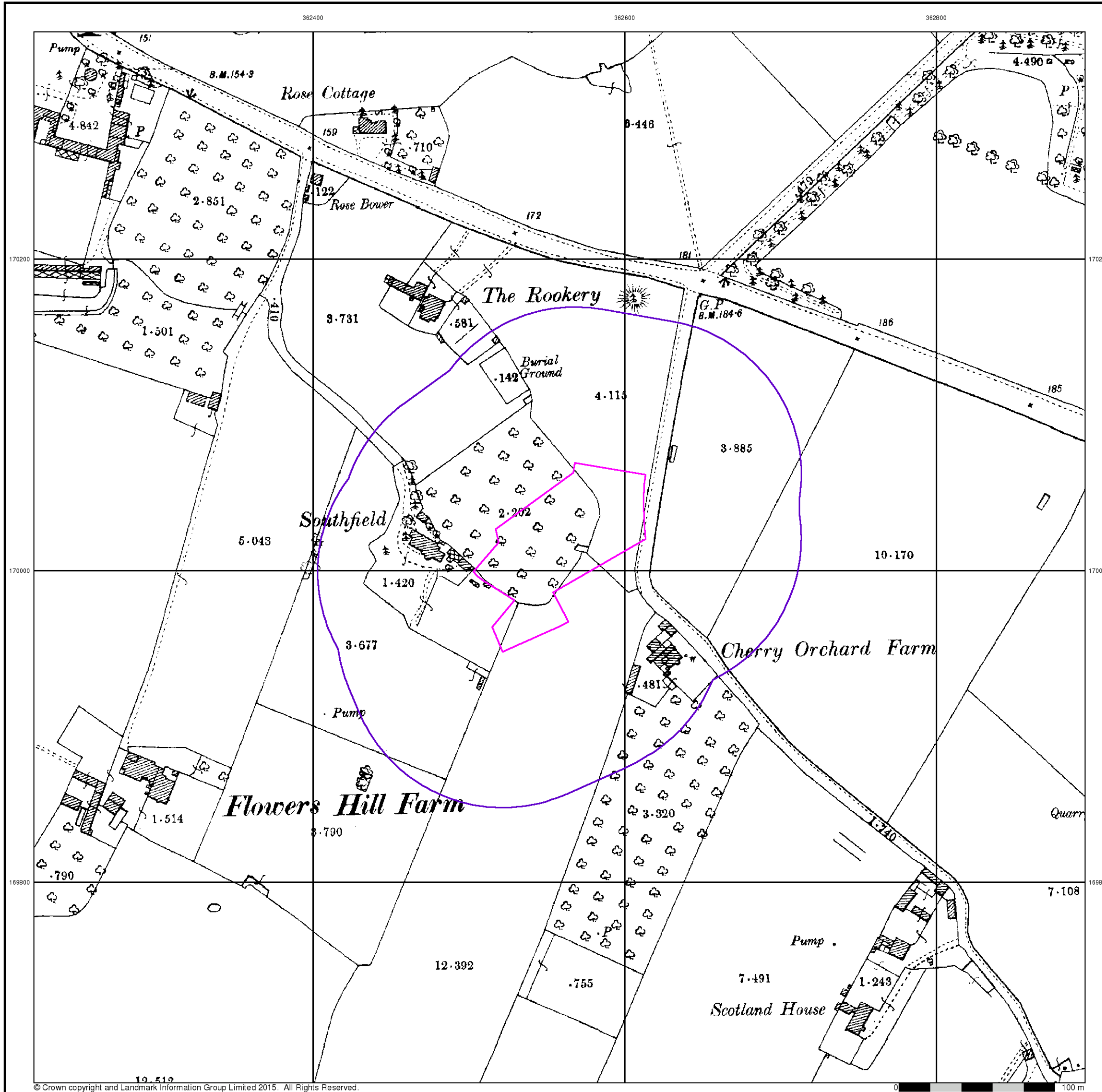
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Ground Floor, 515-517, Stockwood Road, Brislington,
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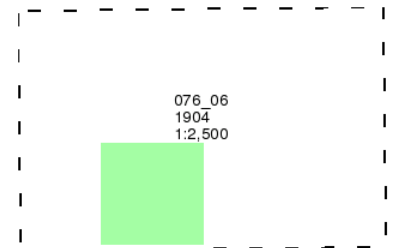
Tel: 0844 844 9952
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 Web: www.envirocheck.co.uk



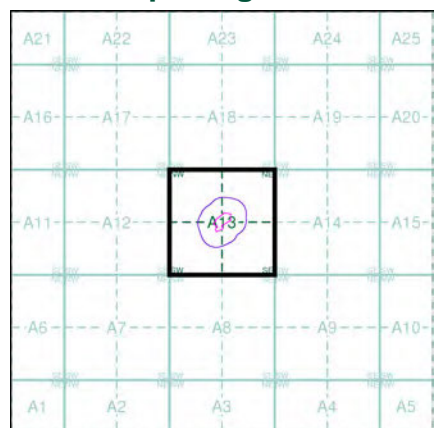
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Gloucestershire
Published 1904
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

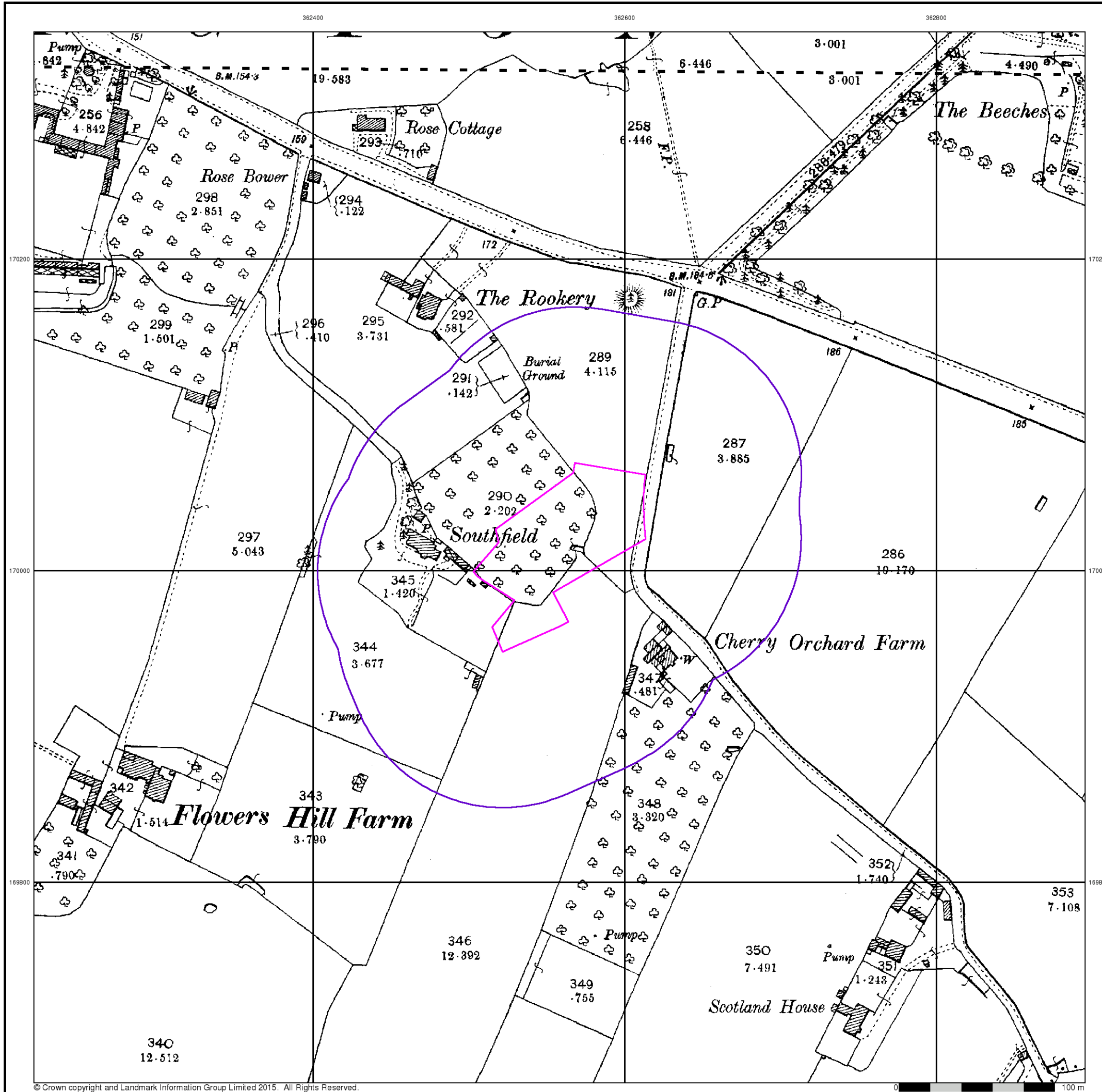
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Somerset

Published 1904

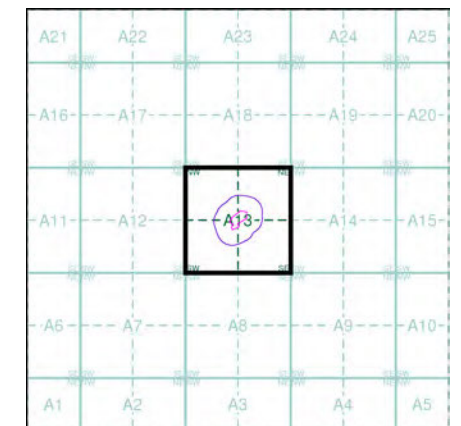
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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)

006_08
1904
1:2,500
006_12
1904
1:2,500

Historical Map - Segment A13



Order Details

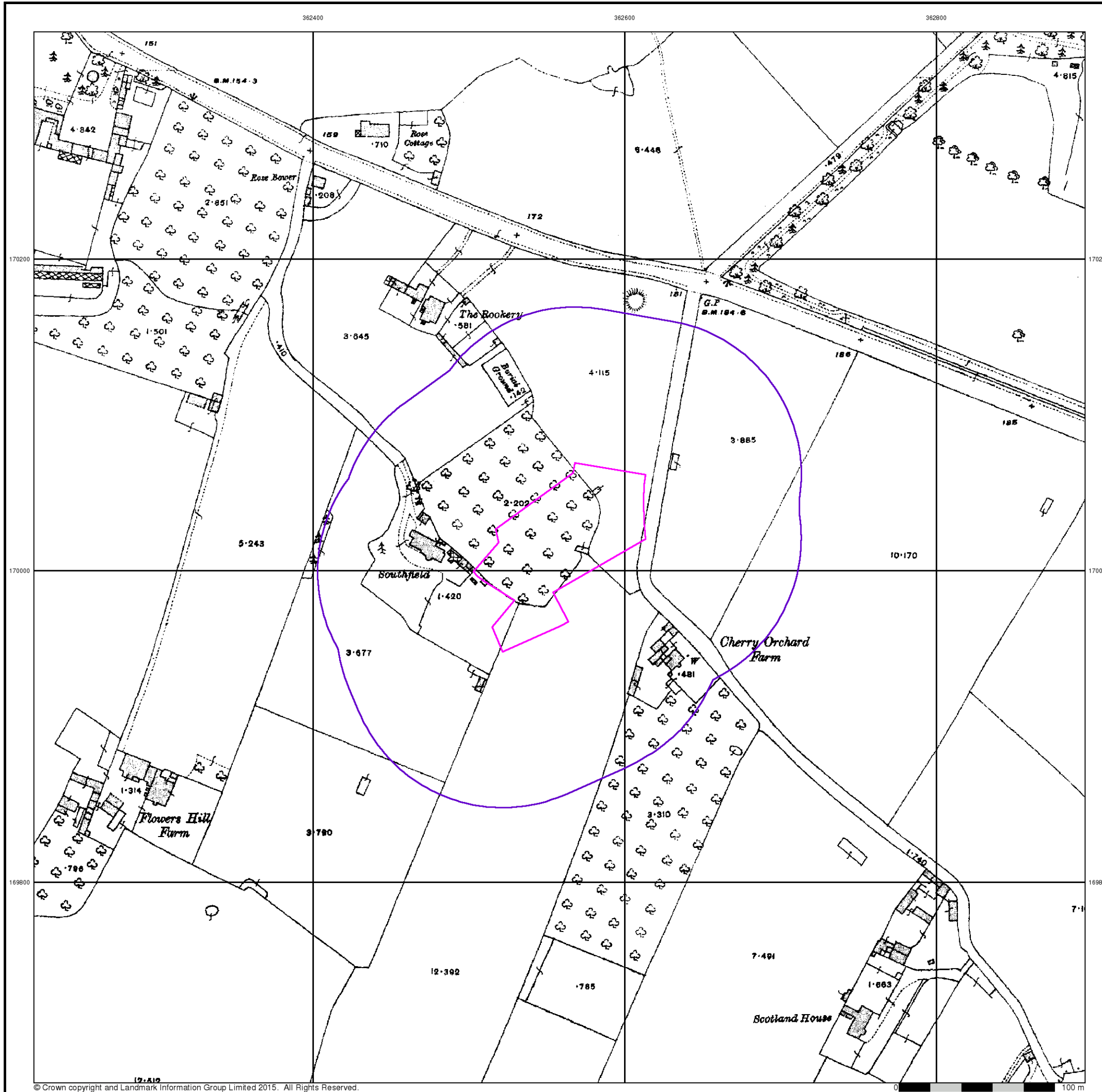
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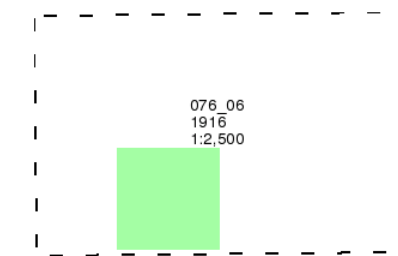
Gloucestershire

Published 1916

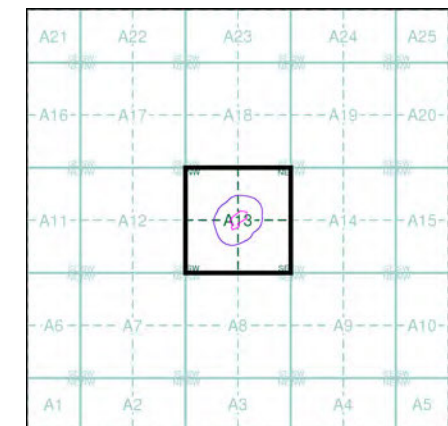
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

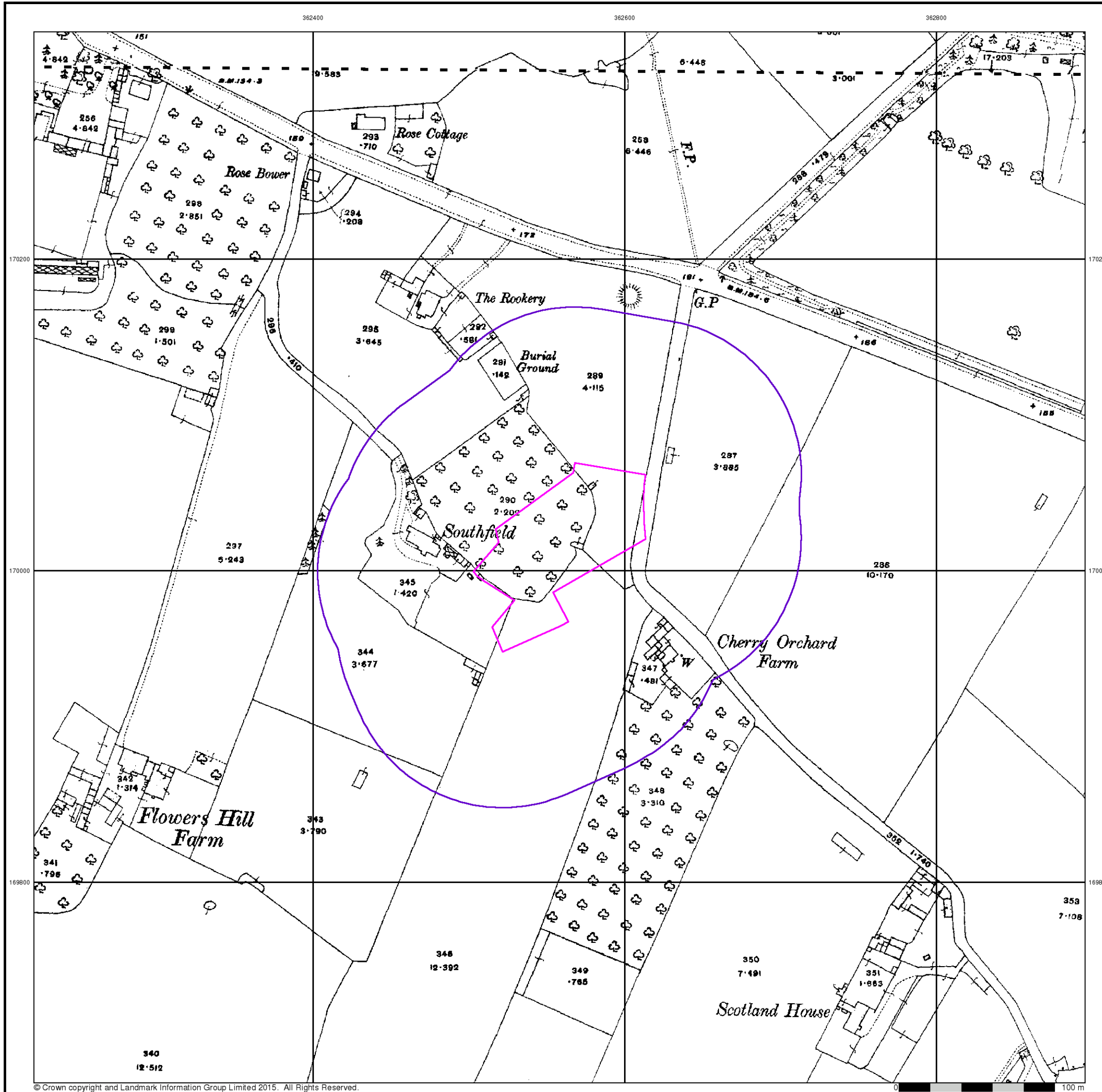
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 Customer Ref: 732959
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 Slice: A
 Site Area (Ha): 0.69
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Somerset

Published 1916

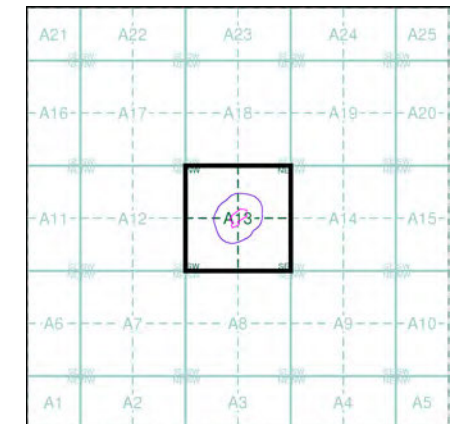
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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)

006_08
1916
1:2,500
006_12
1916
1:2,500

Historical Map - Segment A13



Order Details

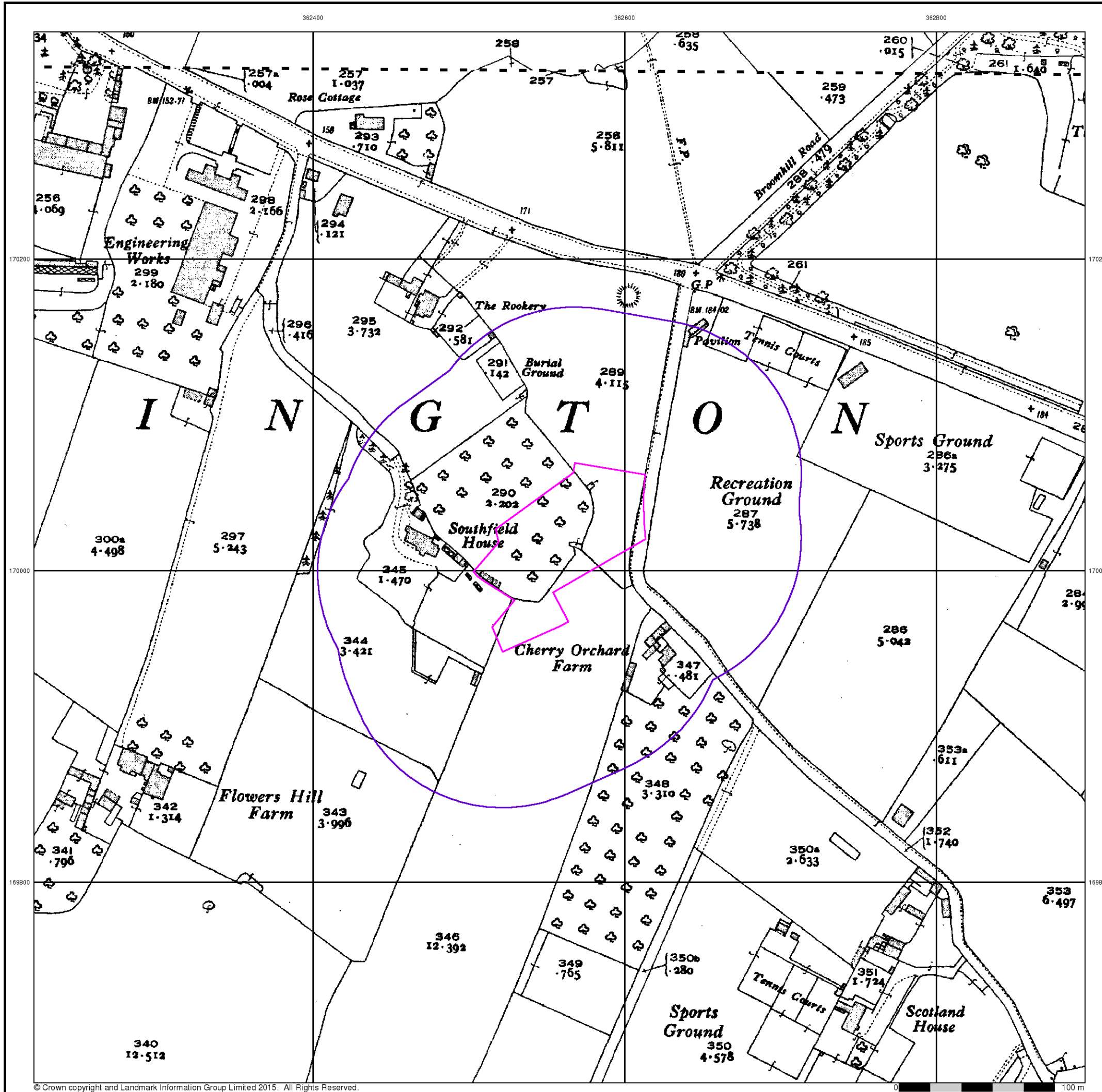
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 Site Area (Ha): 0.69
 Search Buffer (m): 100

Site Details

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Somerset

Published 1931

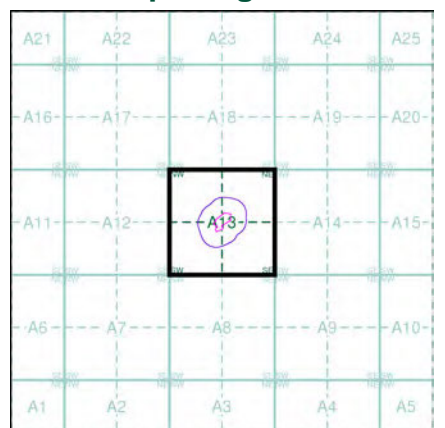
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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)

006_08	1931	1:2,500
006_12	1931	1:2,500

Historical Map - Segment A13



Order Details

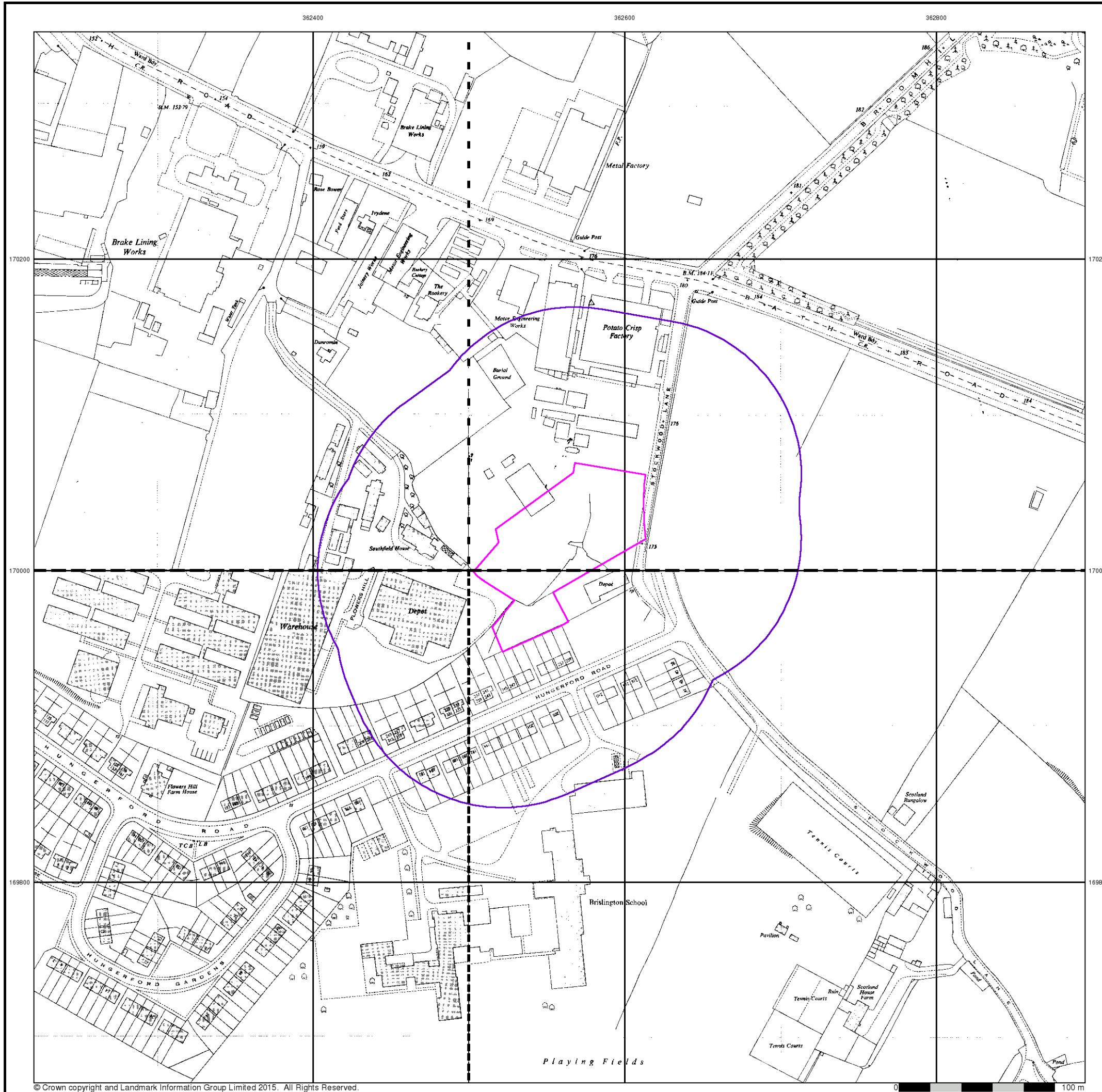
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 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1947 - 1960

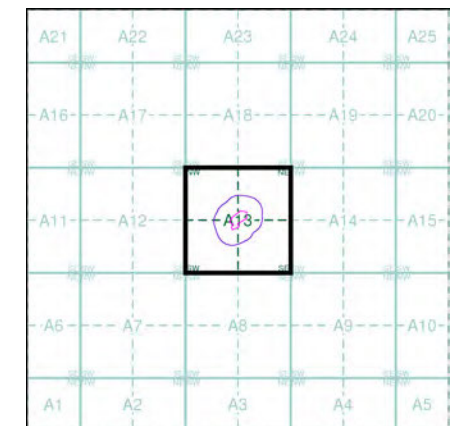
Source map scale - 1:1,250

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)

ST6270SW 1947 1:1,250	ST6270SE 1947 1:1,250
ST6269NW 1960 1:1,250	ST6269NE 1960 1:1,250

Historical Map - Segment A13



Order Details

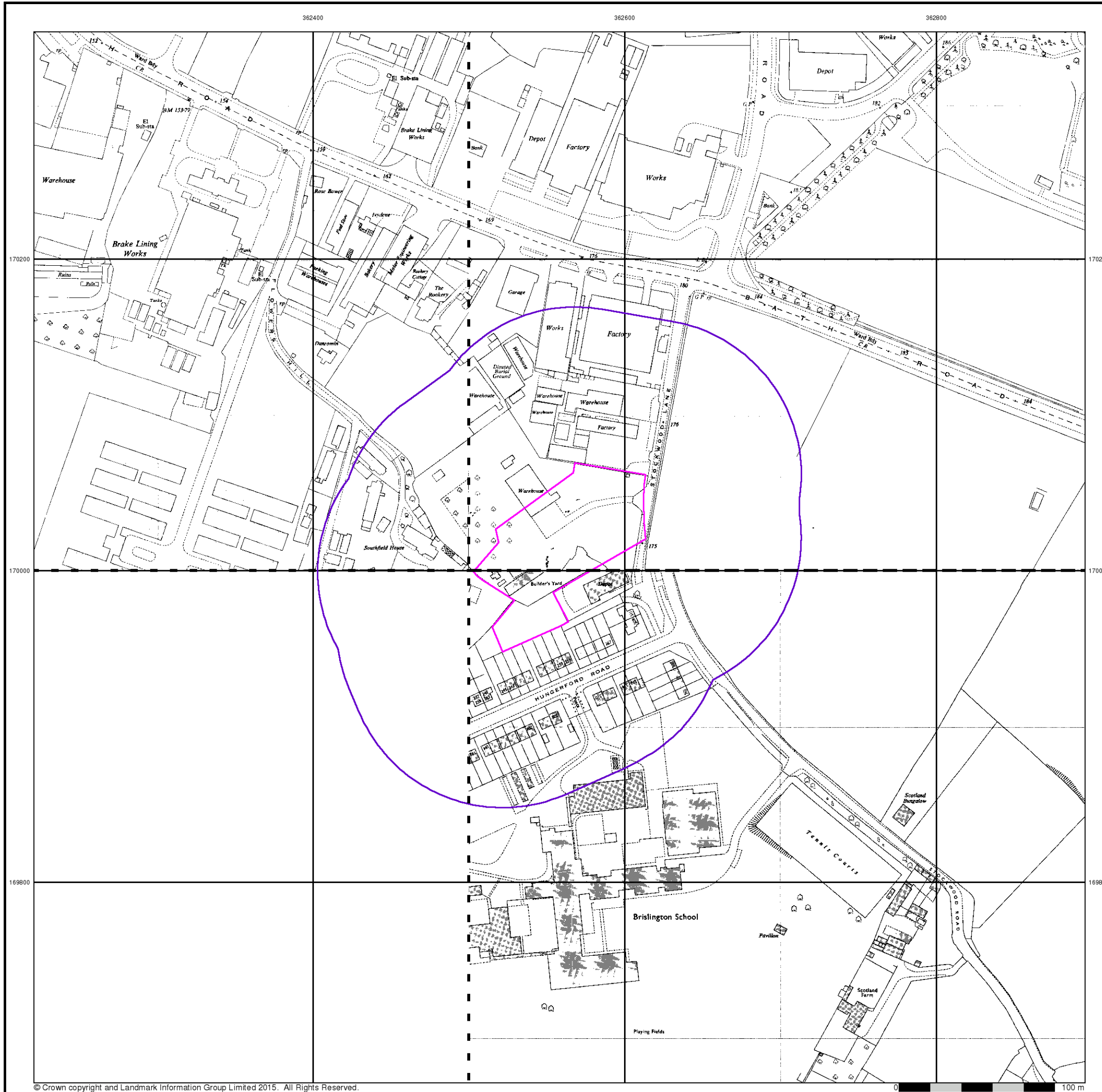
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 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1950 - 1976

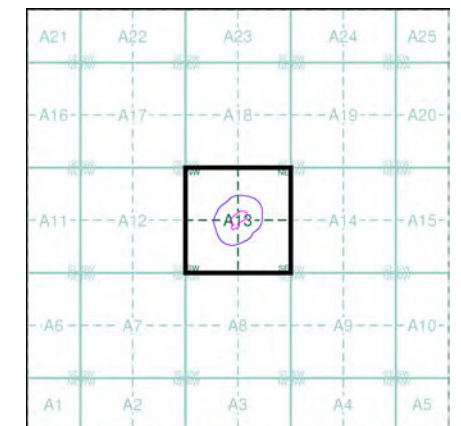
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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)

ST6270SW 1950 1:1,250	ST6270SE 1959 1:1,250
	ST6269NE 1976 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 132920054_1_1
 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1960 - 1965

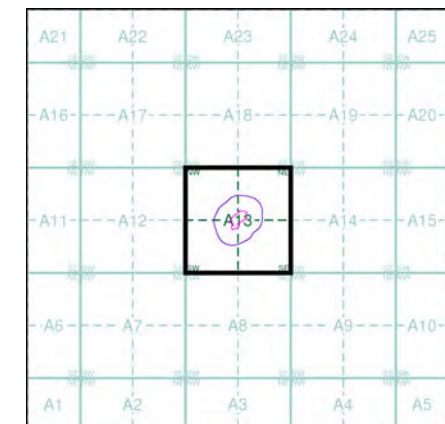
Source map scale - 1:1,250

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Map Name(s) and Date(s)

ST6270SW 1960 1:1,250	ST6270SE 1965 1:1,250
-----------------------------	-----------------------------

Historical Map - Segment A13



Order Details

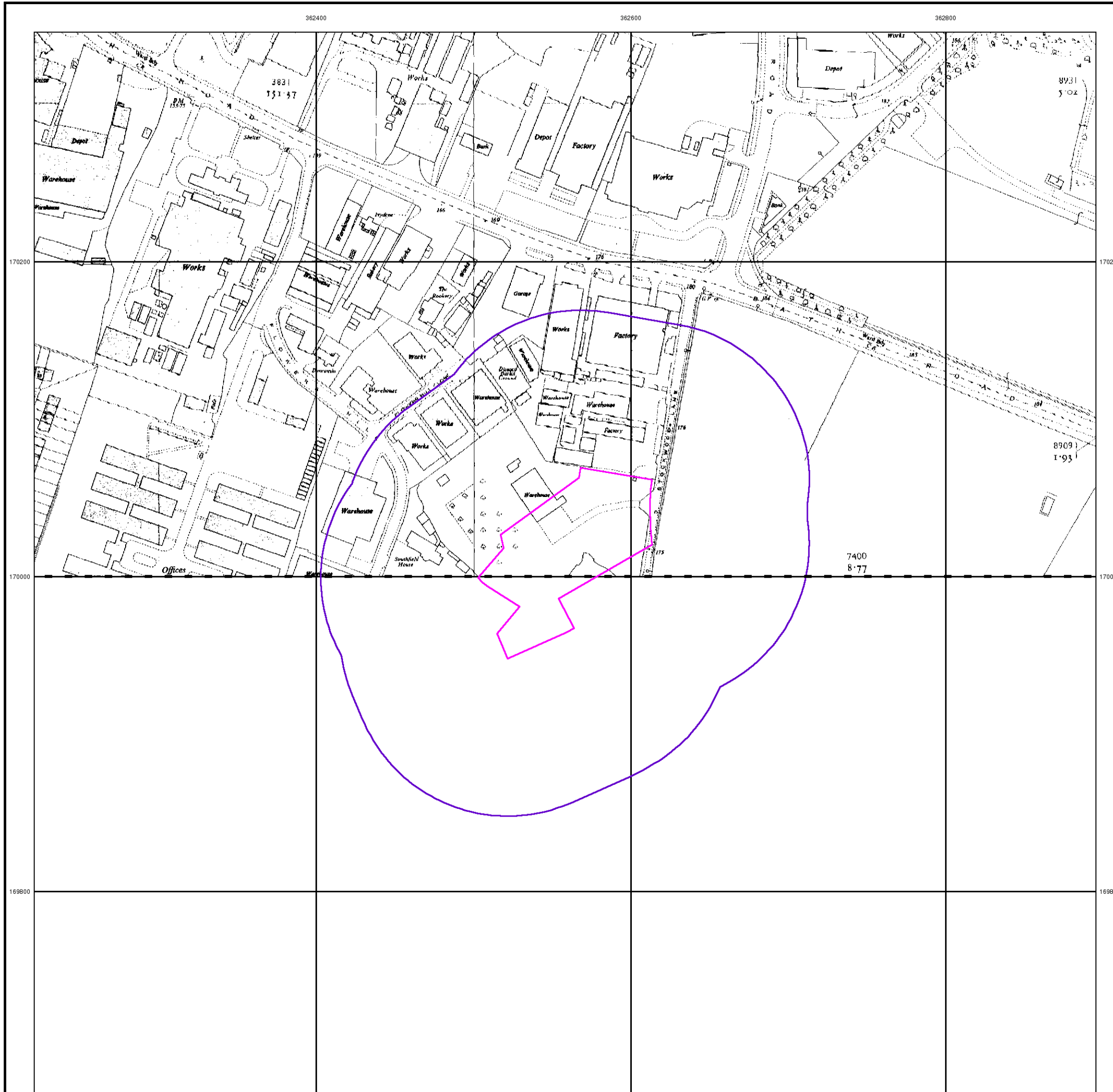
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 Search Buffer (m): 100

Site Details

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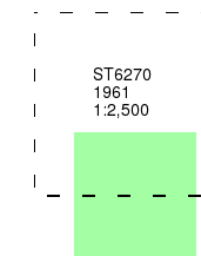
Ordnance Survey Plan

Published 1961

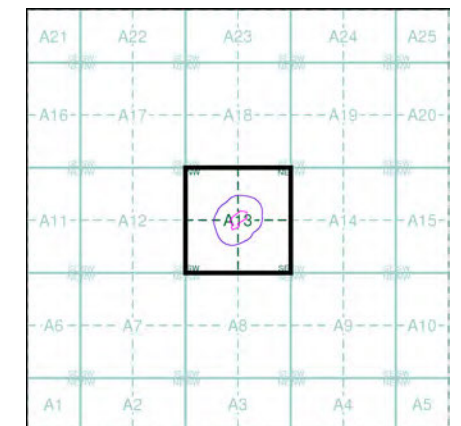
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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

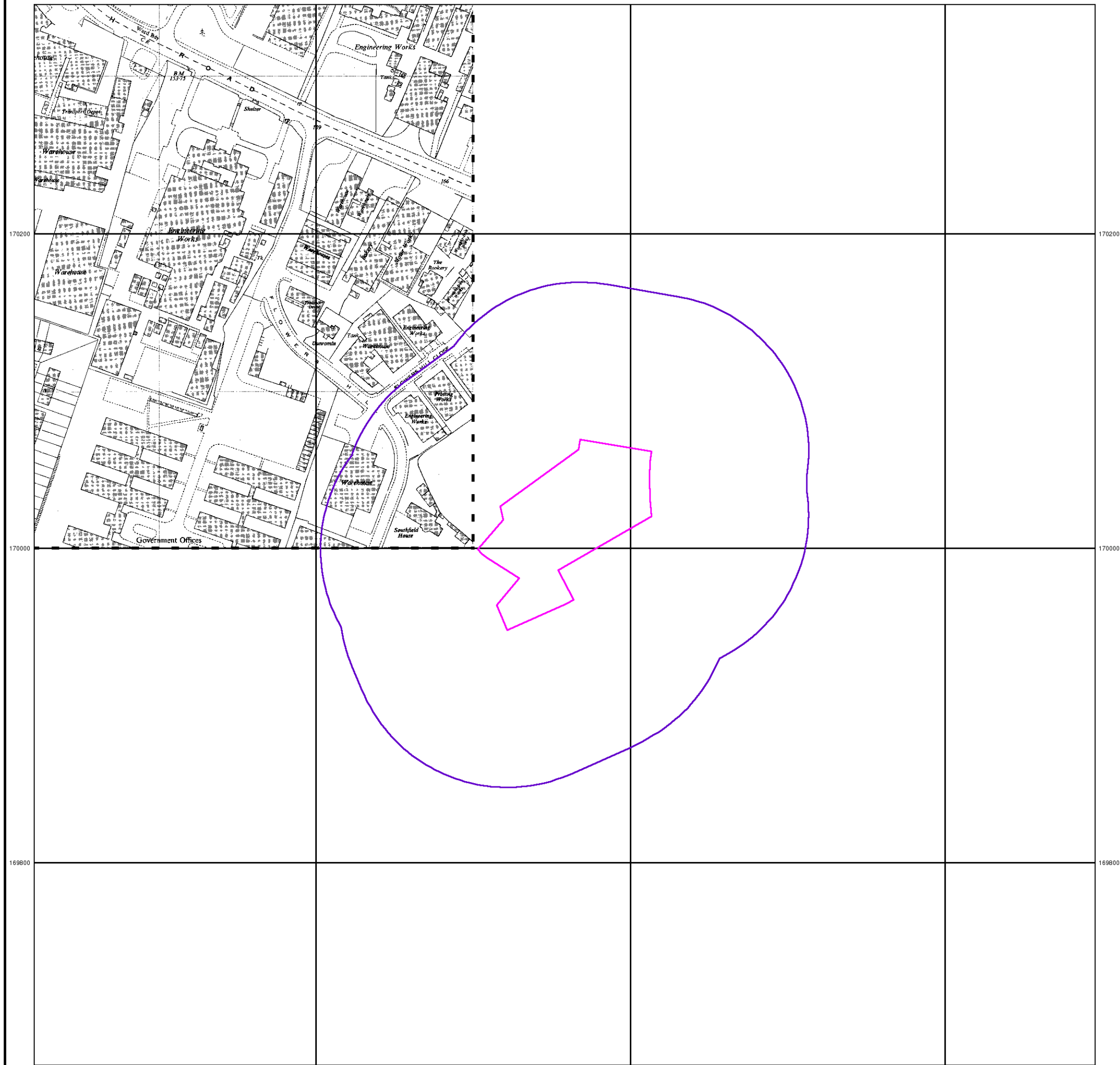
Order Number: 132920054_1_1
 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 100

Site Details

Ground Floor, 515-517, Stockwood Road, Brislington, BRISTOL, BS4 5LR



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 Fax: 0844 844 9951
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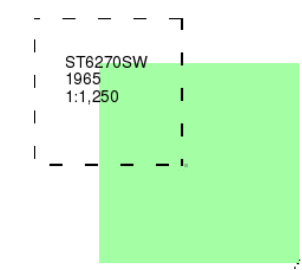
Ordnance Survey Plan

Published 1965

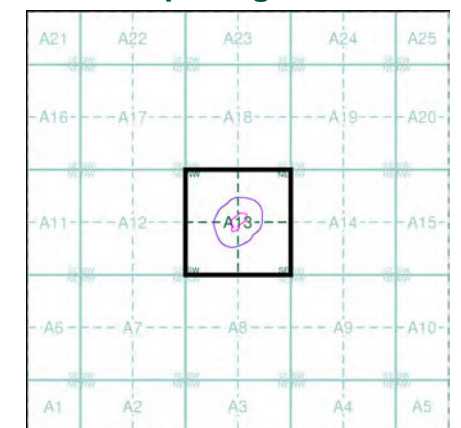
Source map scale - 1:1,250

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

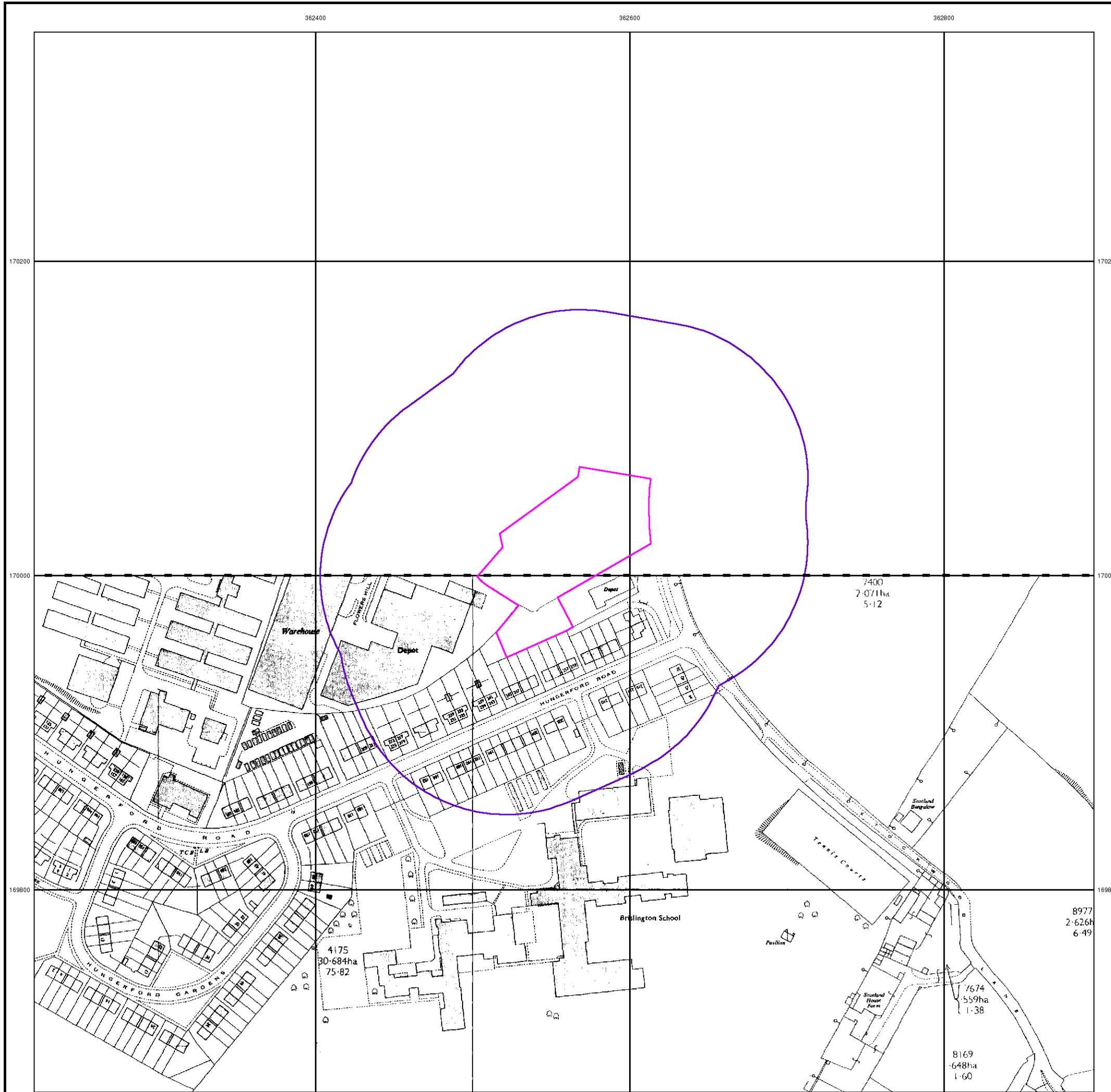
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 Slice: A
 Site Area (Ha): 0.69
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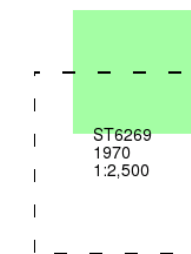
Ordnance Survey Plan

Published 1970

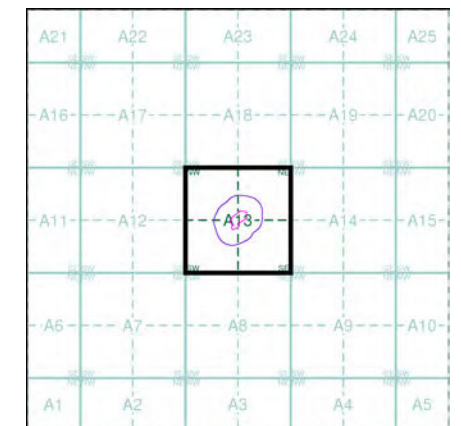
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

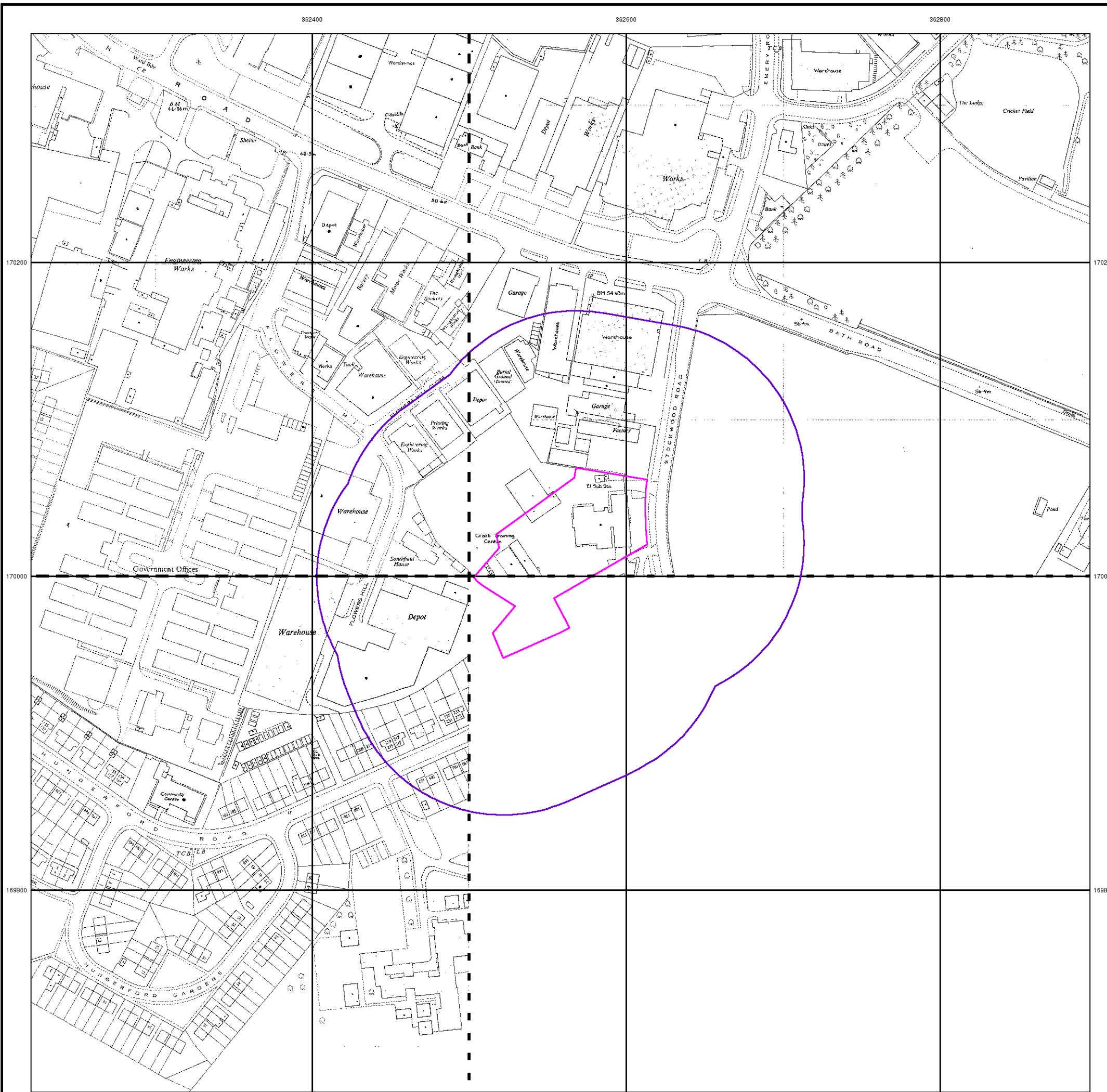
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 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1984 - 1988

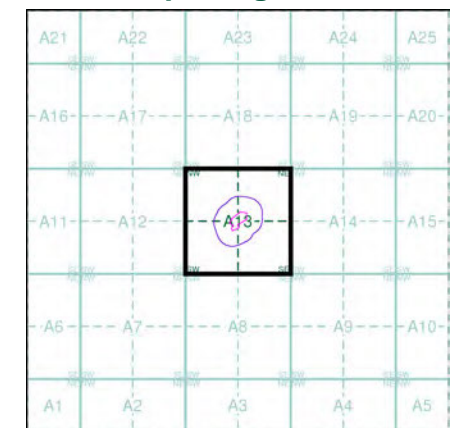
Source map scale - 1:1,250

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)

ST6270SW 1984 1:1,250	ST6270SE 1984 1:1,250
ST6269NW 1988 1:1,250	

Historical Map - Segment A13



Order Details

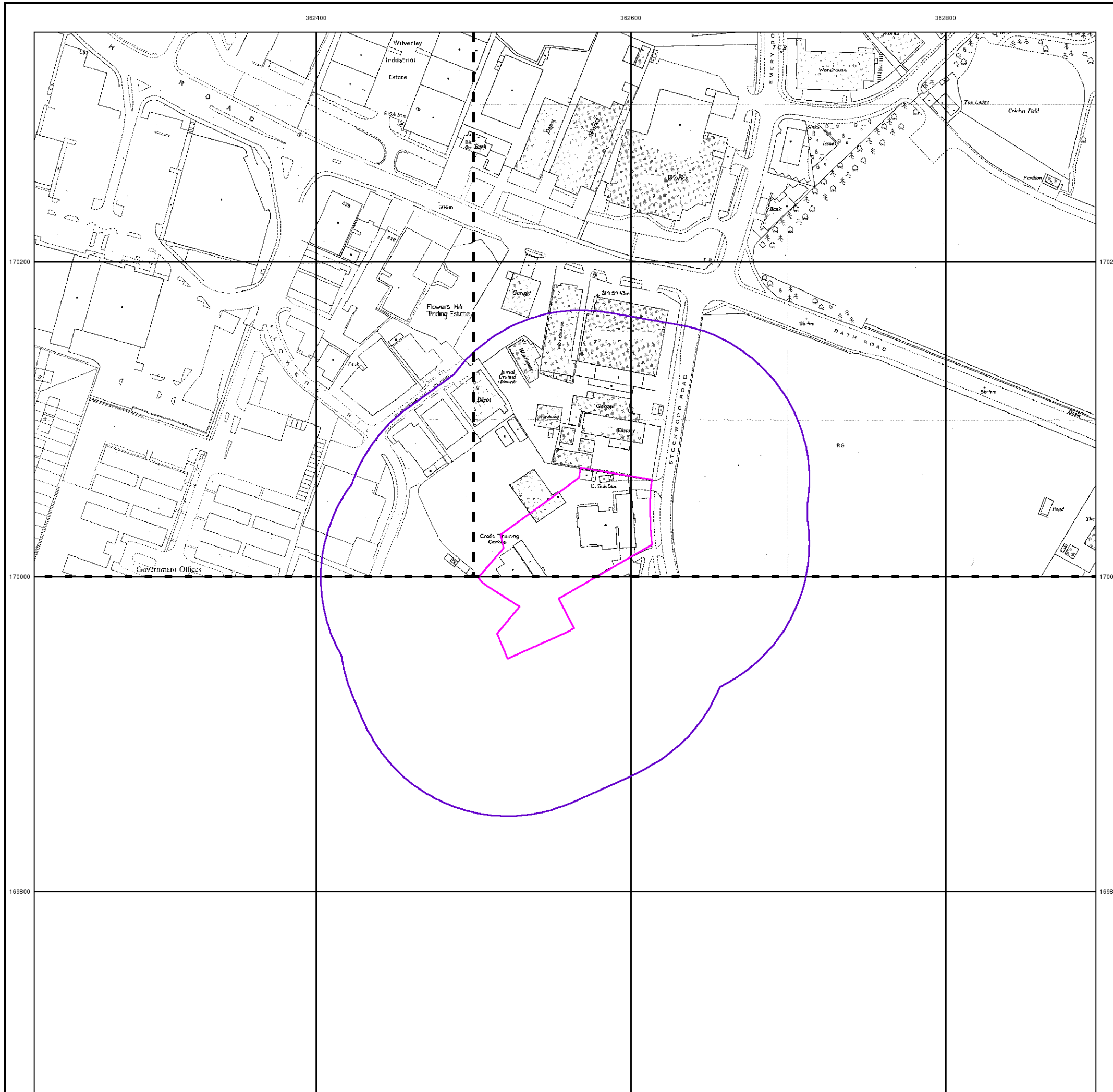
Order Number: 132920054_1_1
 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1989

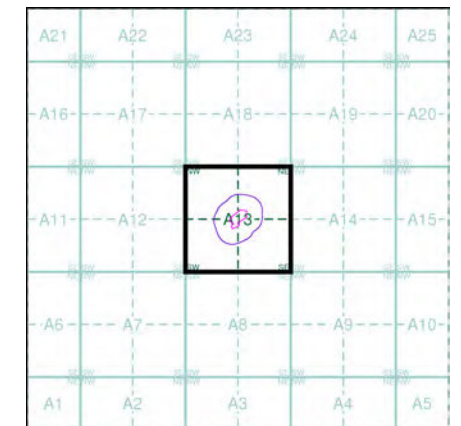
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

ST6270SW 1989 1:1,250	ST6270SE 1989 1:1,250
-----------------------------	-----------------------------

Historical Map - Segment A13



Order Details

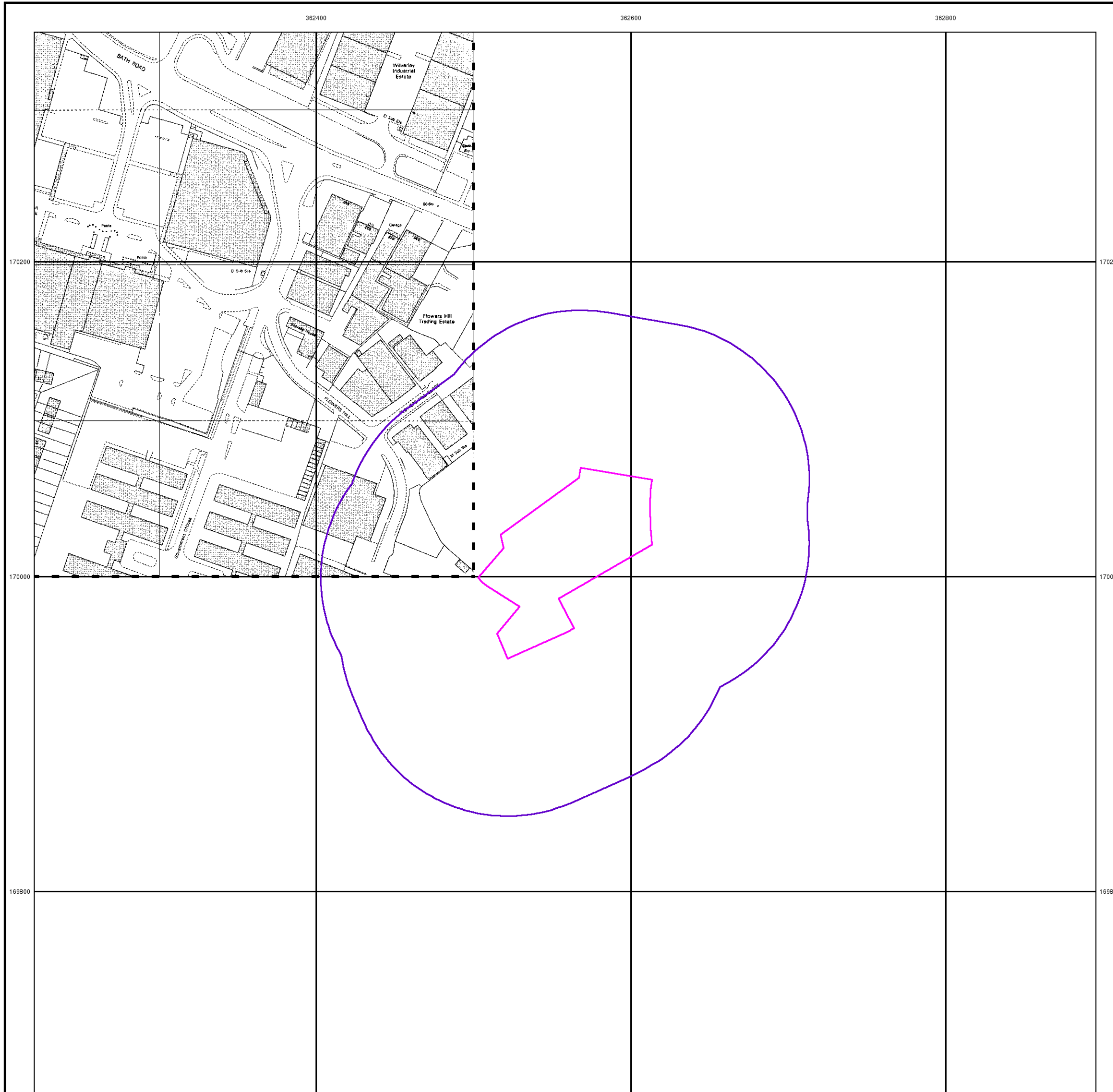
Order Number: 132920054_1_1
 Customer Ref: 732959
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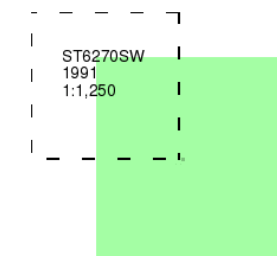
Ordnance Survey Plan

Published 1991

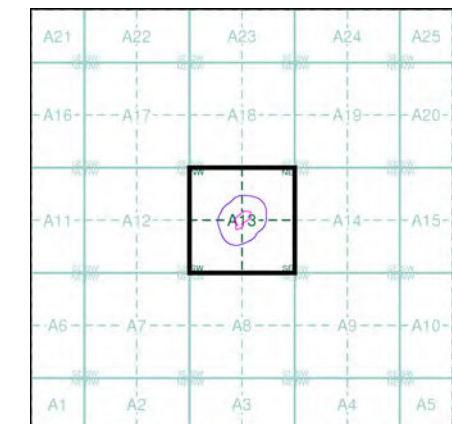
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

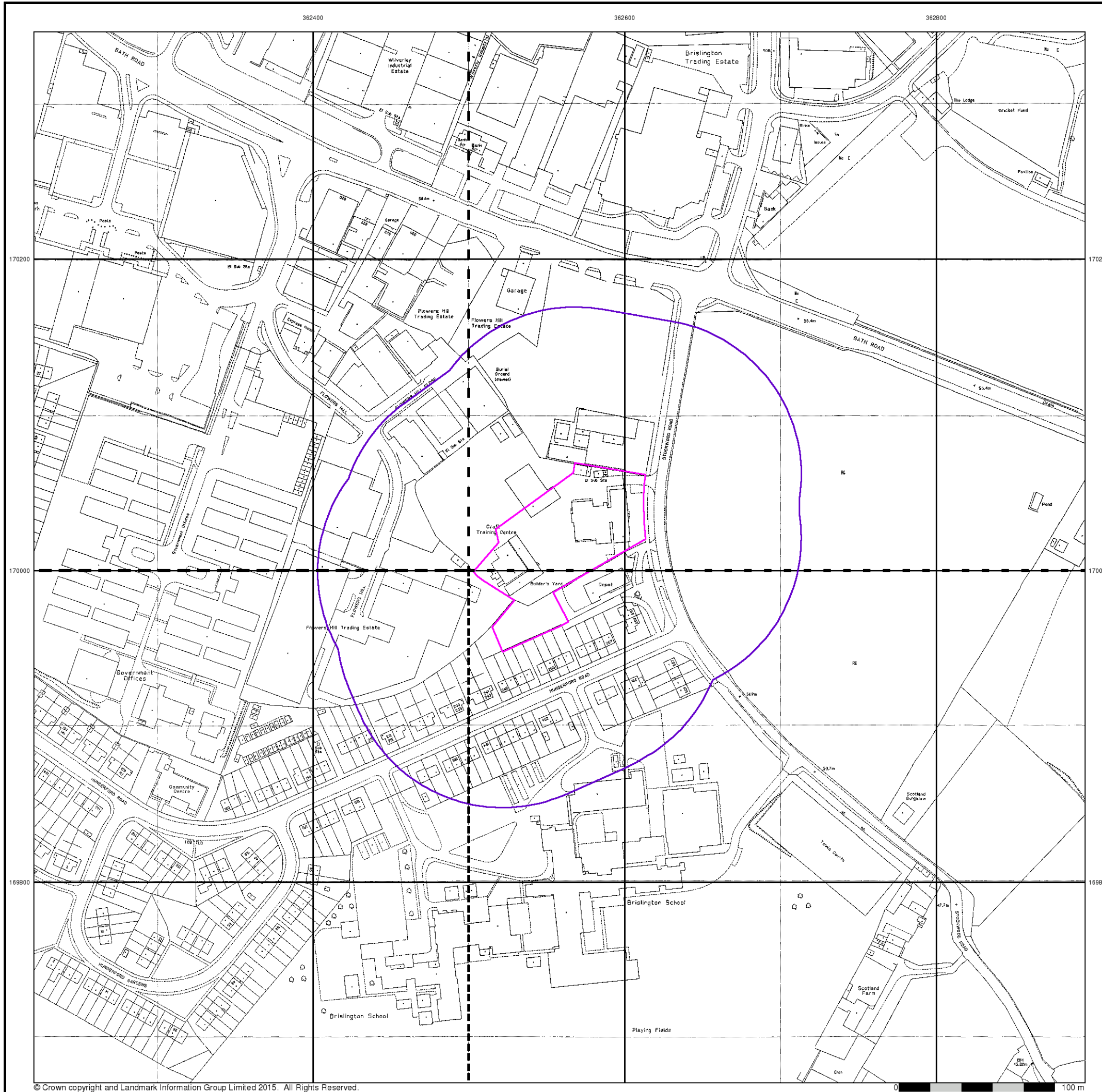
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 National Grid Reference: 362560, 170010
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Large-Scale National Grid Data

Published 1992

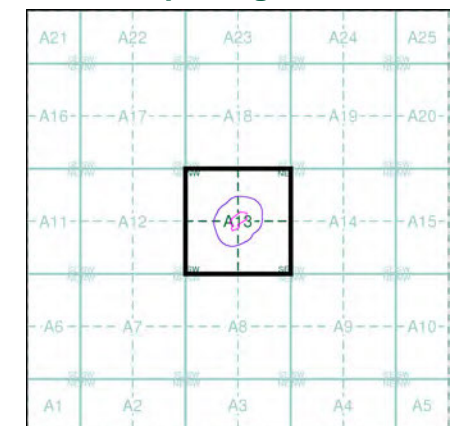
Source map scale - 1:1,250

'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)

ST6270SW 1992 1:1,250	ST6270SE 1992 1:1,250
ST6269NW 1992 1:1,250	ST6269NE 1992 1:1,250

Historical Map - Segment A13



Order Details

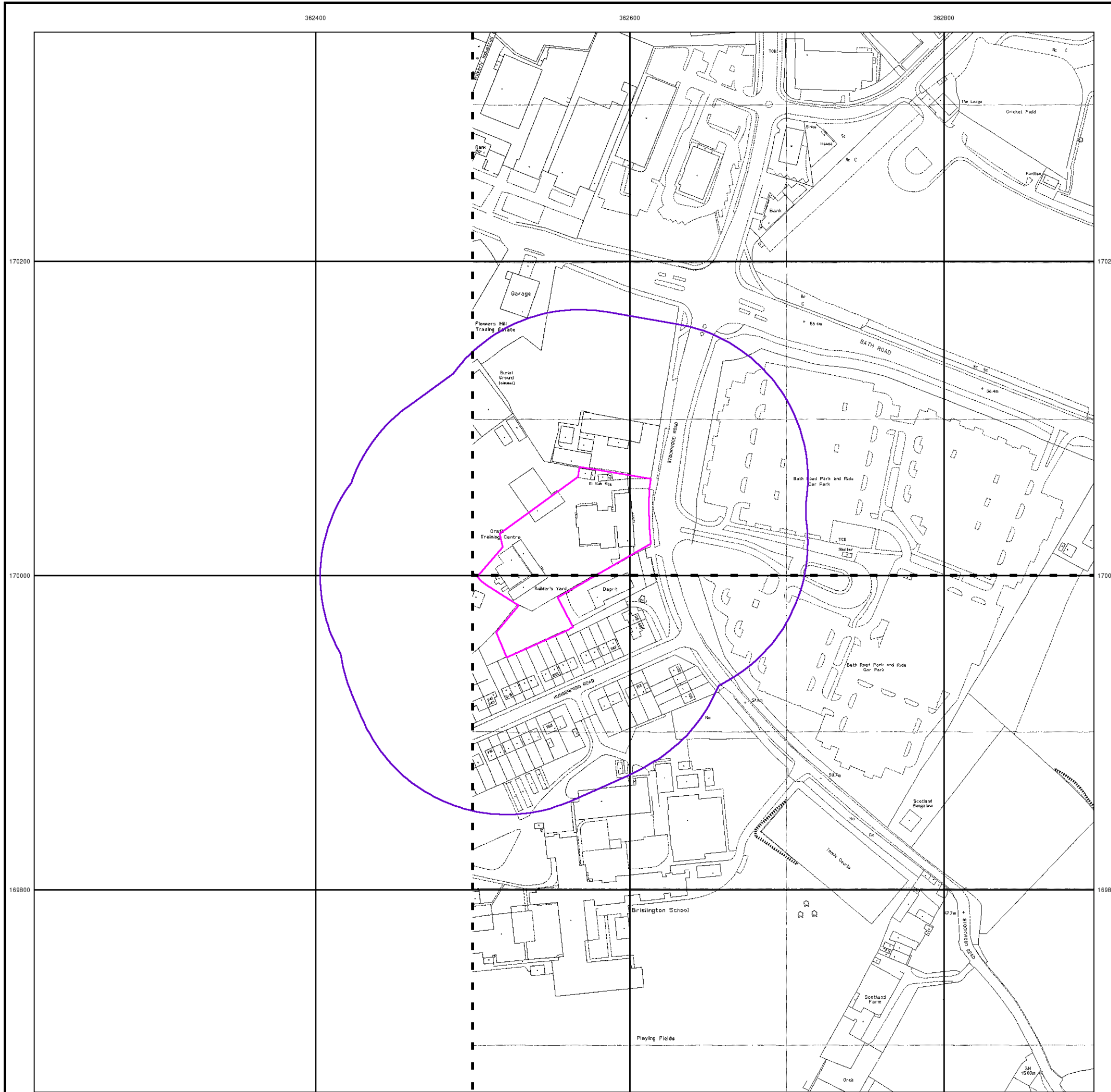
Order Number: 132920054_1_1
 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1994

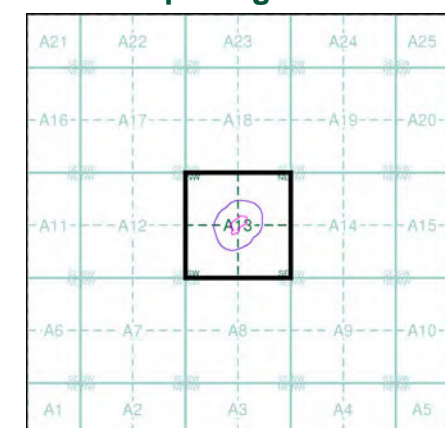
Source map scale - 1:1,250

'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)

ST6270SE
1994
1:1,250
ST6269NE
1994
1:1,250

Historical Map - Segment A13



Order Details

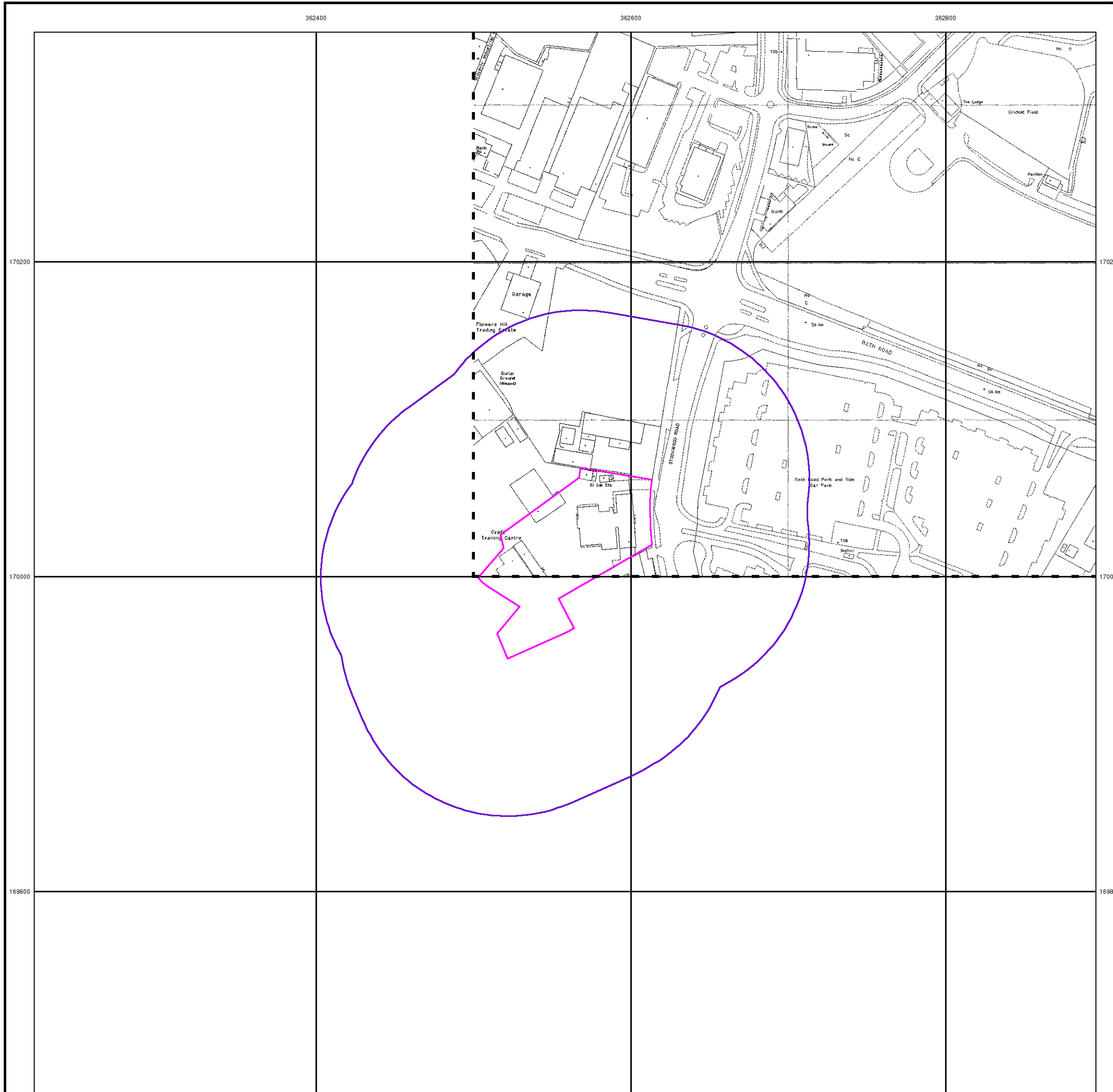
Order Number: 132920054_1_1
 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
 Site Area (Ha): 0.69
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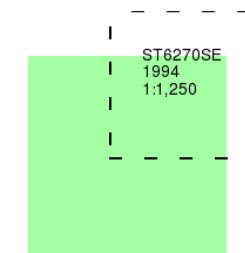
Large-Scale National Grid Data

Published 1994

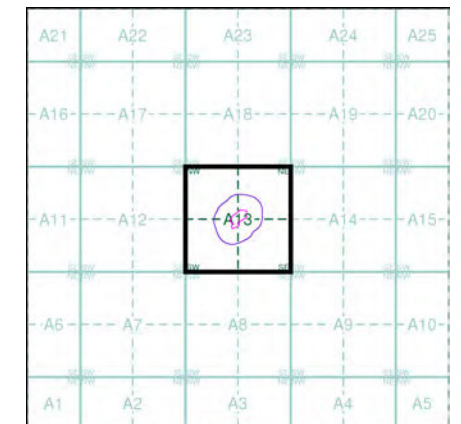
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 132920054_1_1
 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
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362400

362600

362800

170200

170200

170000

170000

169800

169800



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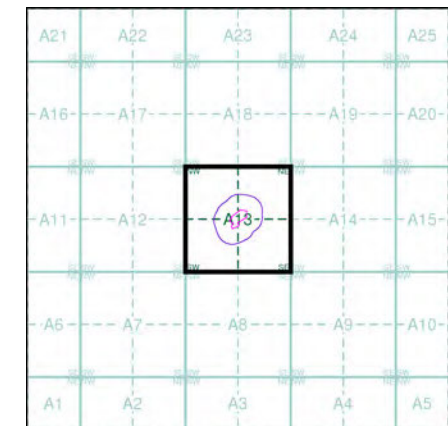
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Historical Aerial Photography

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: 132920054_1_1
 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 100

Site Details

Ground Floor, 515-517, Stockwood Road, Brislington,
 BRISTOL, BS4 5LR

Landmark
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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		
	Bracken		Heath
	Rough Grassland		
	Marsh		Reeds
	Saltings		
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		
	Standard Gauge Single Track		
	Siding, Tramway or Mineral Line		
	Narrow Gauge		
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency 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)
	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



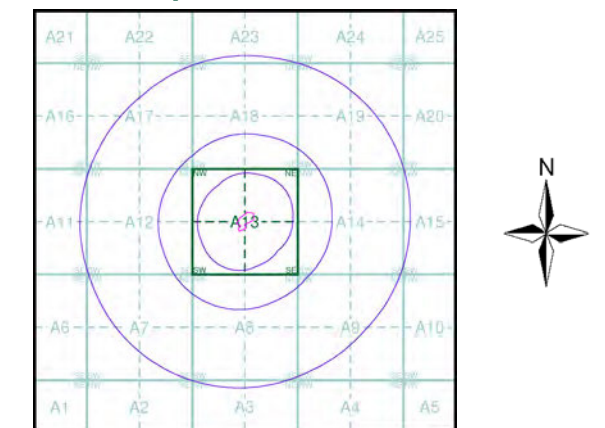
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Somerset	1:10,560	1884	3
Gloucestershire	1:10,560	1887	4
Gloucestershire	1:10,560	1904	5
Somerset	1:10,560	1904 - 1905	6
Gloucestershire	1:10,560	1920	7
Somerset	1:10,560	1921 - 1932	8
Somerset	1:10,560	1932 - 1933	9
Gloucestershire	1:10,560	1938	10
Somerset	1:10,560	1938	11
Gloucestershire	1:10,560	1938	12
Somerset	1:10,560	1938	13
Gloucestershire	1:10,560	1946	14
Ordnance Survey Plan	1:10,000	1955	15
Ordnance Survey Plan	1:10,000	1965 - 1967	16
Ordnance Survey Plan	1:10,000	1972 - 1973	17
Bristol	1:10,000	1972	18
Ordnance Survey Plan	1:10,000	1982 - 1988	19
10K Raster Mapping	1:10,000	1999	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2017	22

Historical Map - Slice A



Order Details

Order Number: 132920054_1_1
 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 1000

Site Details

Ground Floor, 515-517, Stockwood Road, Brislington, BRISTOL, BS4 5LR

Landmark
 INFORMATION GROUP

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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		Natural Gas Tank
	Tailings Pile		Fuel Storage Tanks
	Bench Mark		Drill Hole
	Burial Mound		Triangulation Point on Burial Mound
	Single-track Railroad		Double-track Railroad
	Small Bridge		Tunnel
	Pipe (Culvert)		Railroad and Station Building
	Coniferous Forest		Deciduous Forest
	Mixed Forest		Lawns
	Citrus Orchard		Wet Ground
	Scattered Vegetation		

243,8 Values for prominent elevations
186.0 Numbers for spot elevations, depth soundings, contour lines, etc.
0,2 Velocity of the current, width of river bed, depth of river
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Partly Demolished Buildings		Demolished Buildings
	Built-Up Area with Fireproof Buildings Predominant		Built-Up Area with Non-Fireproof Buildings Predominant
	Individual Fireproof Building		Prominent Industrial Building
	Individual Dwelling, Fireproof		Ruins of an Individual Dwelling
	Factory or Mill Chimney		Factory or Mill with Chimney
	Factory or Mill without Chimney		Salt Mine
	Operating Shaft or Mine		Non-Operating Shaft or Mine
	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		Telegraph Office
	Telephone Station		Radio Station
	Radio Tower		Airfield or Seaplane Base
	Landing Strip		Cut
	Fill		Km Post
	Plantings		Width of Road
	Steep Grade		Highway under Construction
	Improved Dirt Road (former truck road)		Small Bridge
	Pipe (Culvert)		Tunnel
	Dismantled Railroad		Double-track Railroad with First Class Station
	Railroad Under Construction		Shore Embankment
	River or Ditch with Embankment		Water Gauge
	Direction and velocity of current		Water Level Mark
	Well		Spring
	Water Reservoir or Rain Water Pit		Isobath with value
	Heavy (Index) Contour Line		Half Contour Line
	Contour Line and Value		Spot Elevation Value
	Coniferous		Deciduous
	Mixed		Scrub

Key to Numbers on Mapping

ST67SW_Bristol

No.	Description
68	Post Office
73	Industrial Estate



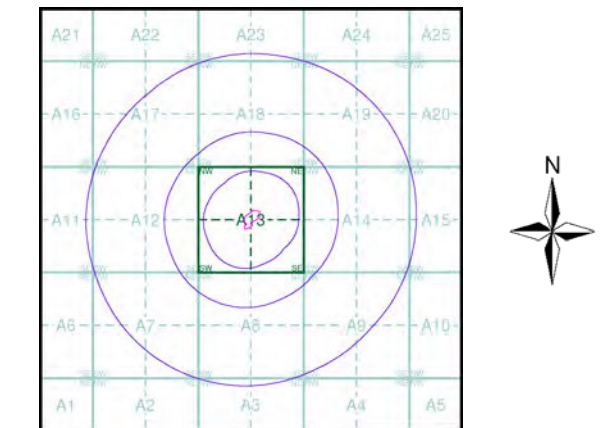
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Somerset	1:10,560	1884	3
Gloucestershire	1:10,560	1887	4
Gloucestershire	1:10,560	1904	5
Somerset	1:10,560	1904 - 1905	6
Gloucestershire	1:10,560	1920	7
Somerset	1:10,560	1921 - 1932	8
Somerset	1:10,560	1932 - 1933	9
Gloucestershire	1:10,560	1938	10
Somerset	1:10,560	1938	11
Gloucestershire	1:10,560	1938	12
Somerset	1:10,560	1938	13
Gloucestershire	1:10,560	1946	14
Ordnance Survey Plan	1:10,000	1955	15
Ordnance Survey Plan	1:10,000	1965 - 1967	16
Ordnance Survey Plan	1:10,000	1972 - 1973	17
Bristol	1:10,000	1972	18
Ordnance Survey Plan	1:10,000	1982 - 1988	19
10K Raster Mapping	1:10,000	1999	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2017	22

Russian Map - Slice A



Order Details

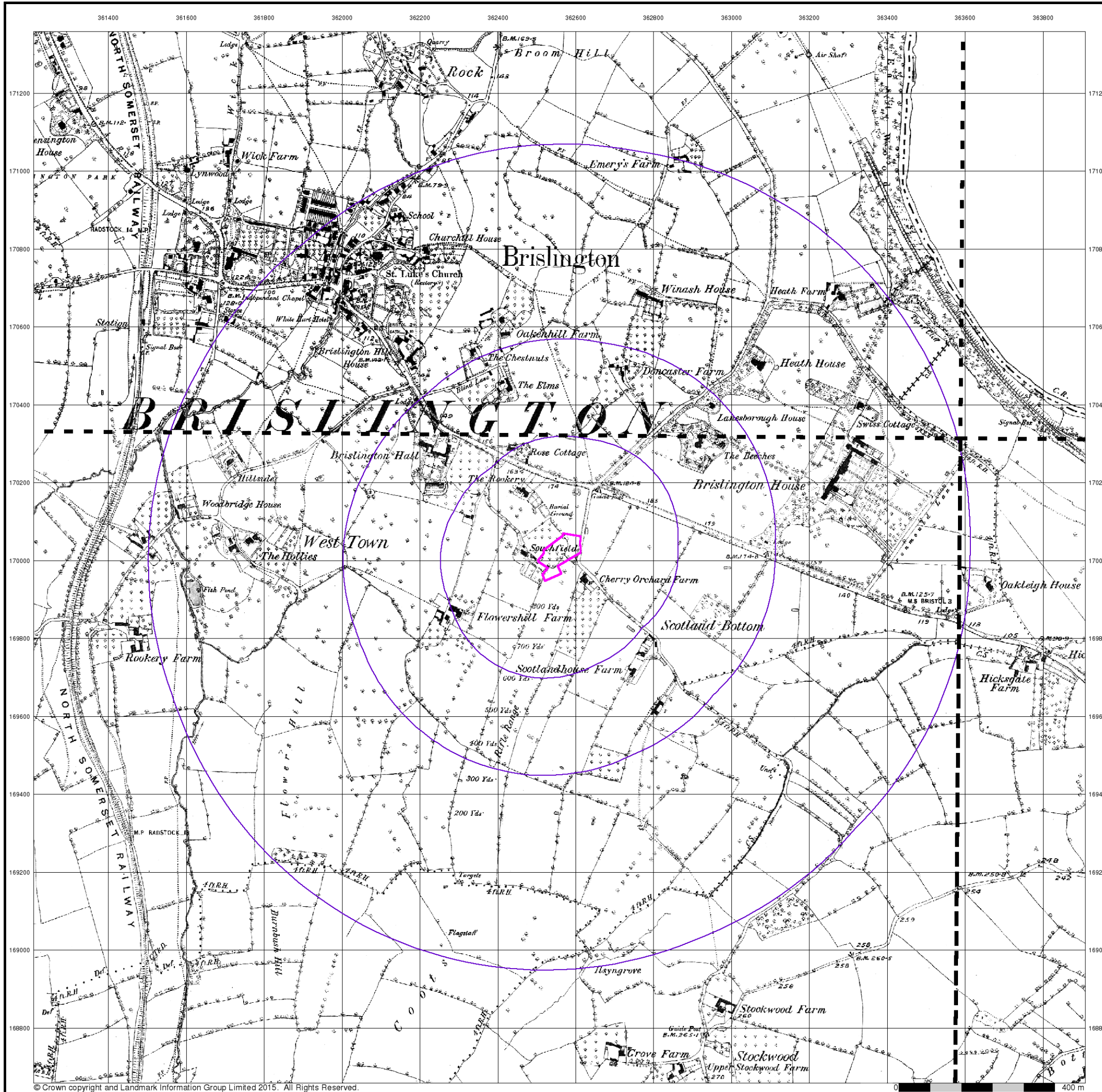
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 Customer Ref: 732959
 National Grid Reference: 362560, 170010
 Slice: A
 Site Area (Ha): 0.69
 Search Buffer (m): 1000

Site Details

Ground Floor, 515-517, Stockwood Road, Brislington, BRISTOL, BS4 5LR

Landmark
 INFORMATION GROUP

Tel: 0844 844 9952
 Fax: 0844 844 9951
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STRUCTURAL SOILS LTD

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Somerset

Published 1884

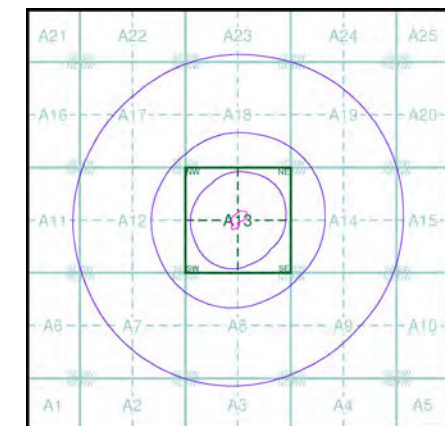
Source map scale - 1:10,560

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)

006NE 1884 1:10,560	007NW 1884 1:10,560
006SE 1884 1:10,560	007SW 1884 1:10,560

Historical Map - Slice A



Order Details

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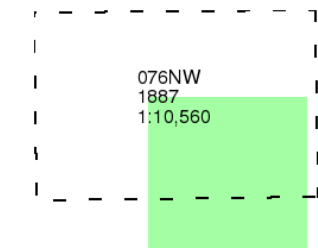
Gloucestershire

Published 1887

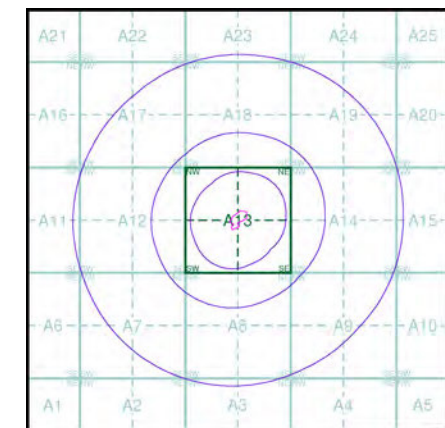
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

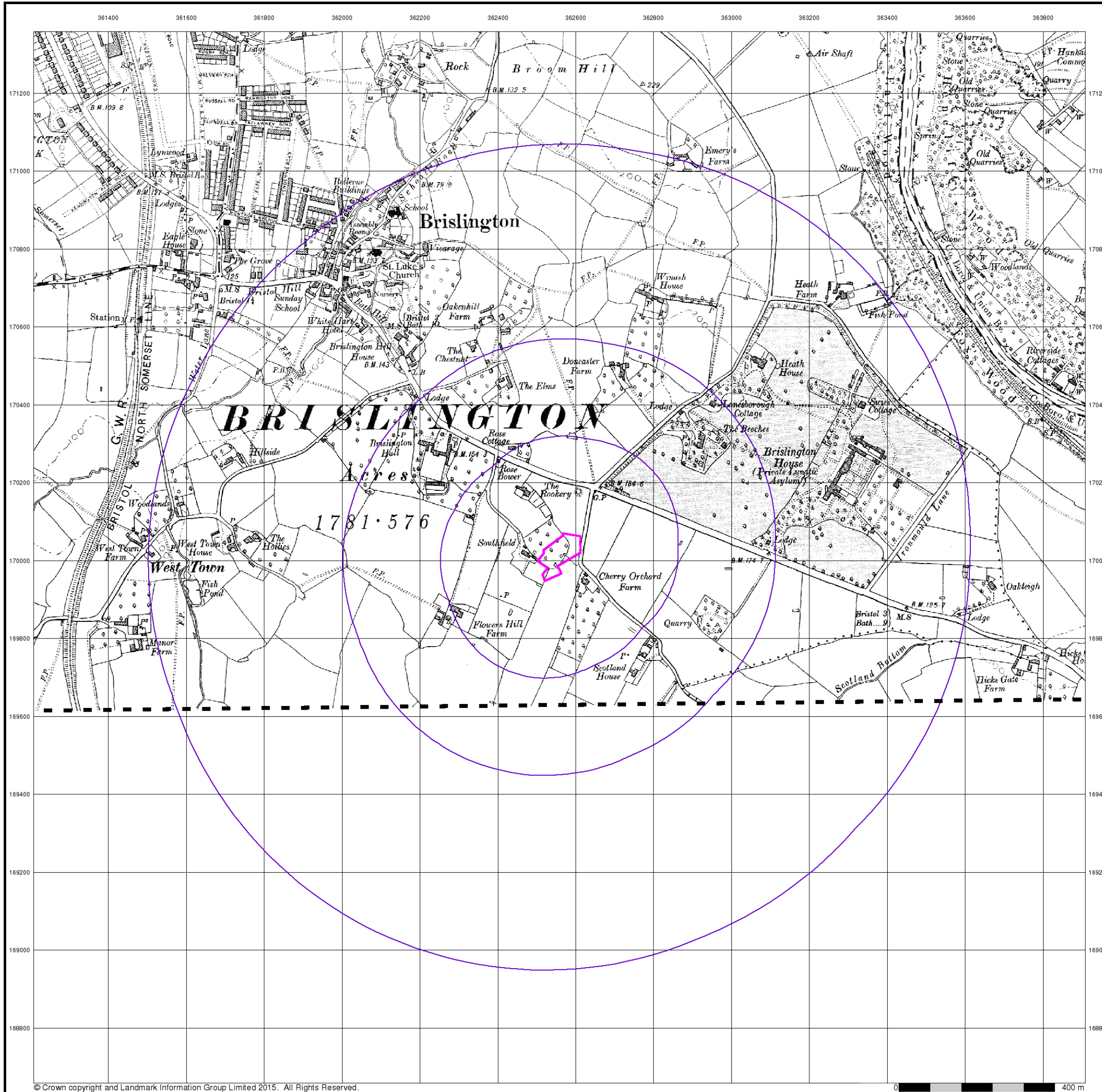
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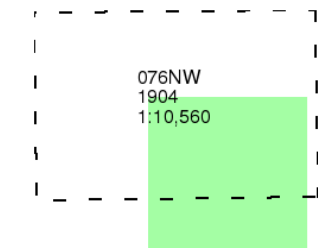
Gloucestershire

Published 1904

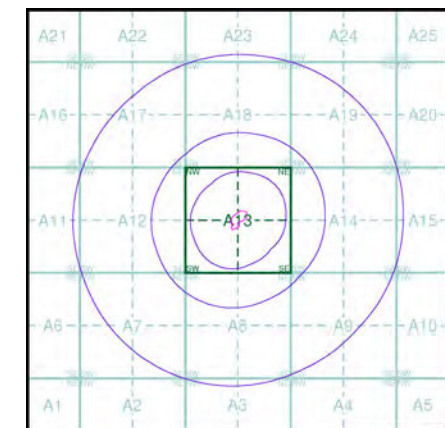
Source map scale - 1:10,560

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 overlaid 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

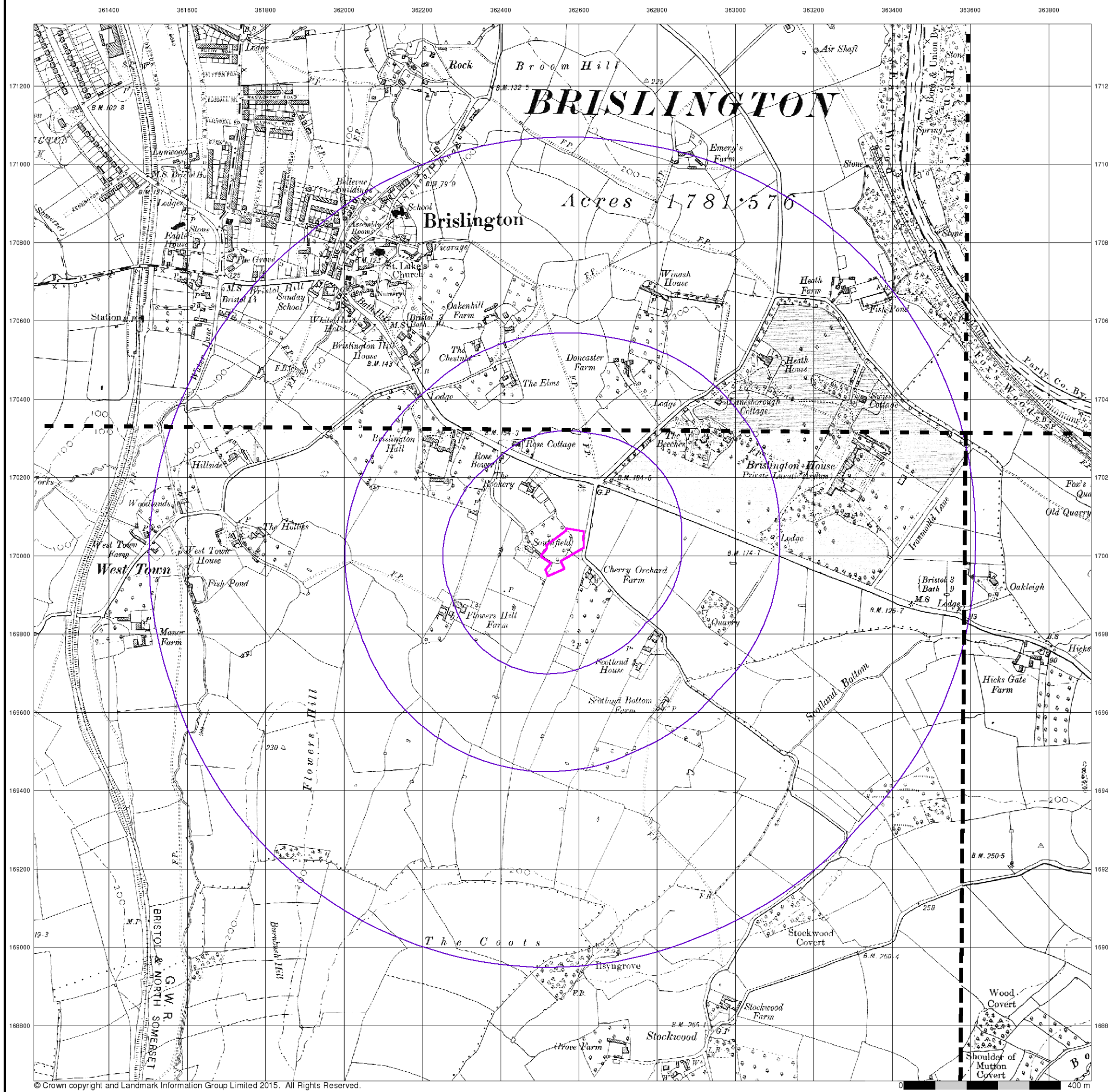
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STRUCTURAL SOILS LTD

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Somerset

Published 1904 - 1905

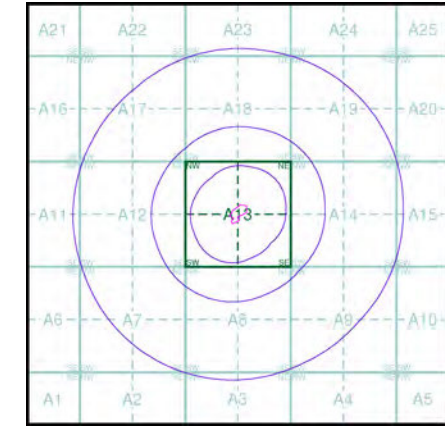
Source map scale - 1:10,560

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Map Name(s) and Date(s)

006NE 1905 1:10,560	007NW 1905 1:10,560
006SE 1904 1:10,560	007SW 1905 1:10,560

Historical Map - Slice A



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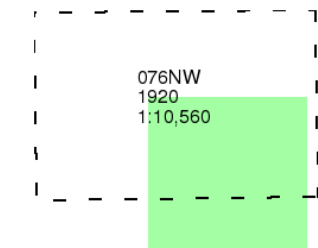
Gloucestershire

Published 1920

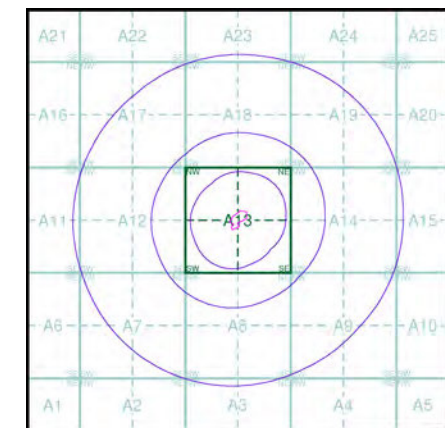
Source map scale - 1:10,560

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.

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