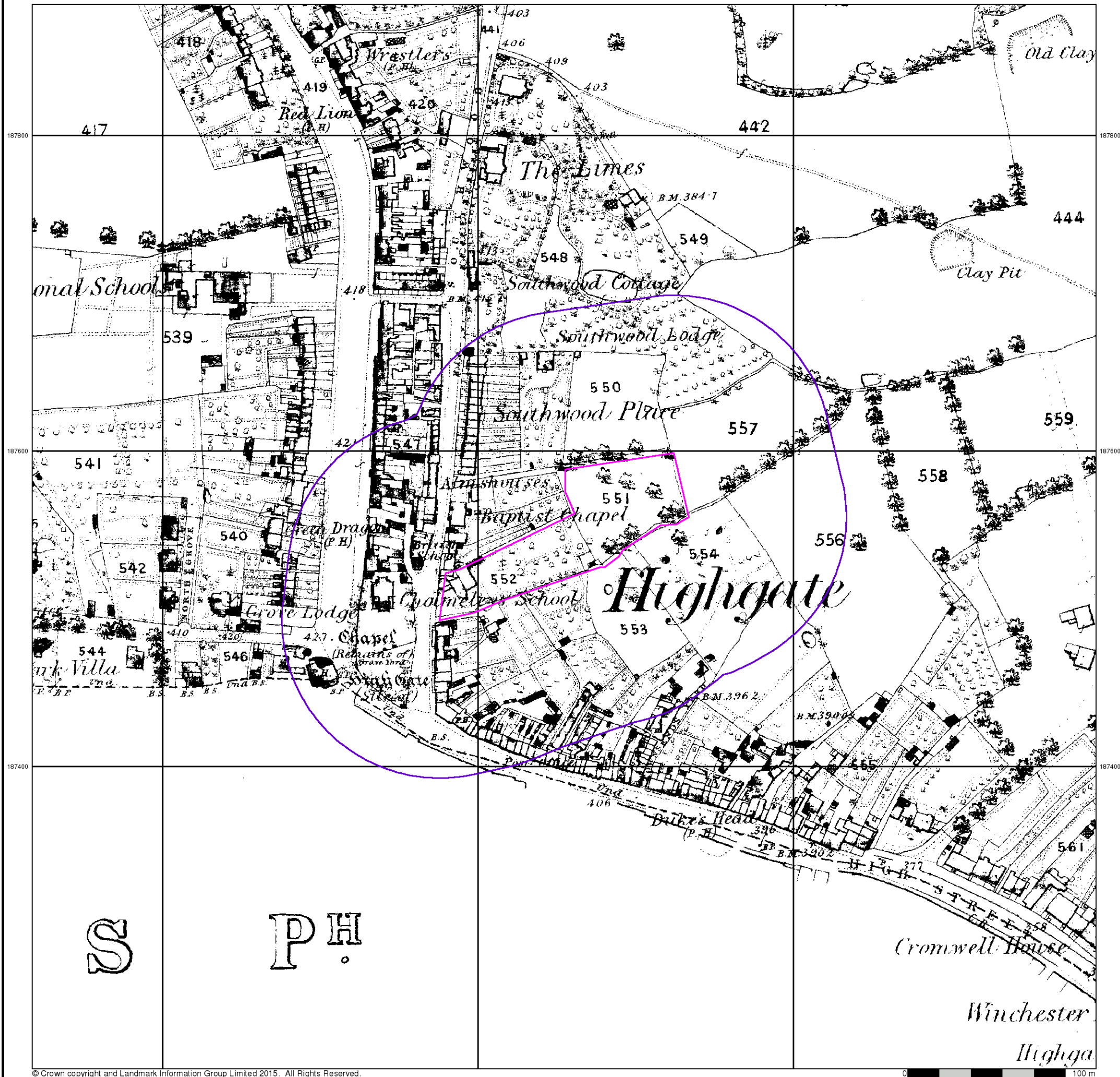




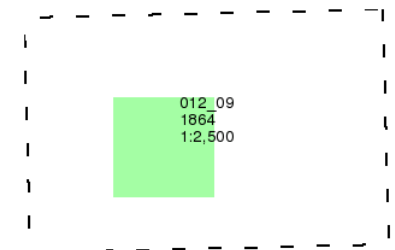
Middlesex

Published 1864

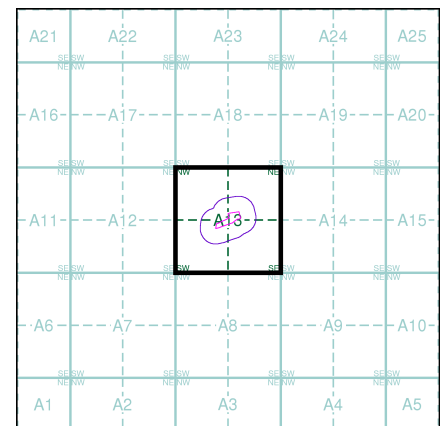
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

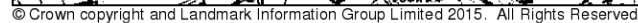
Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

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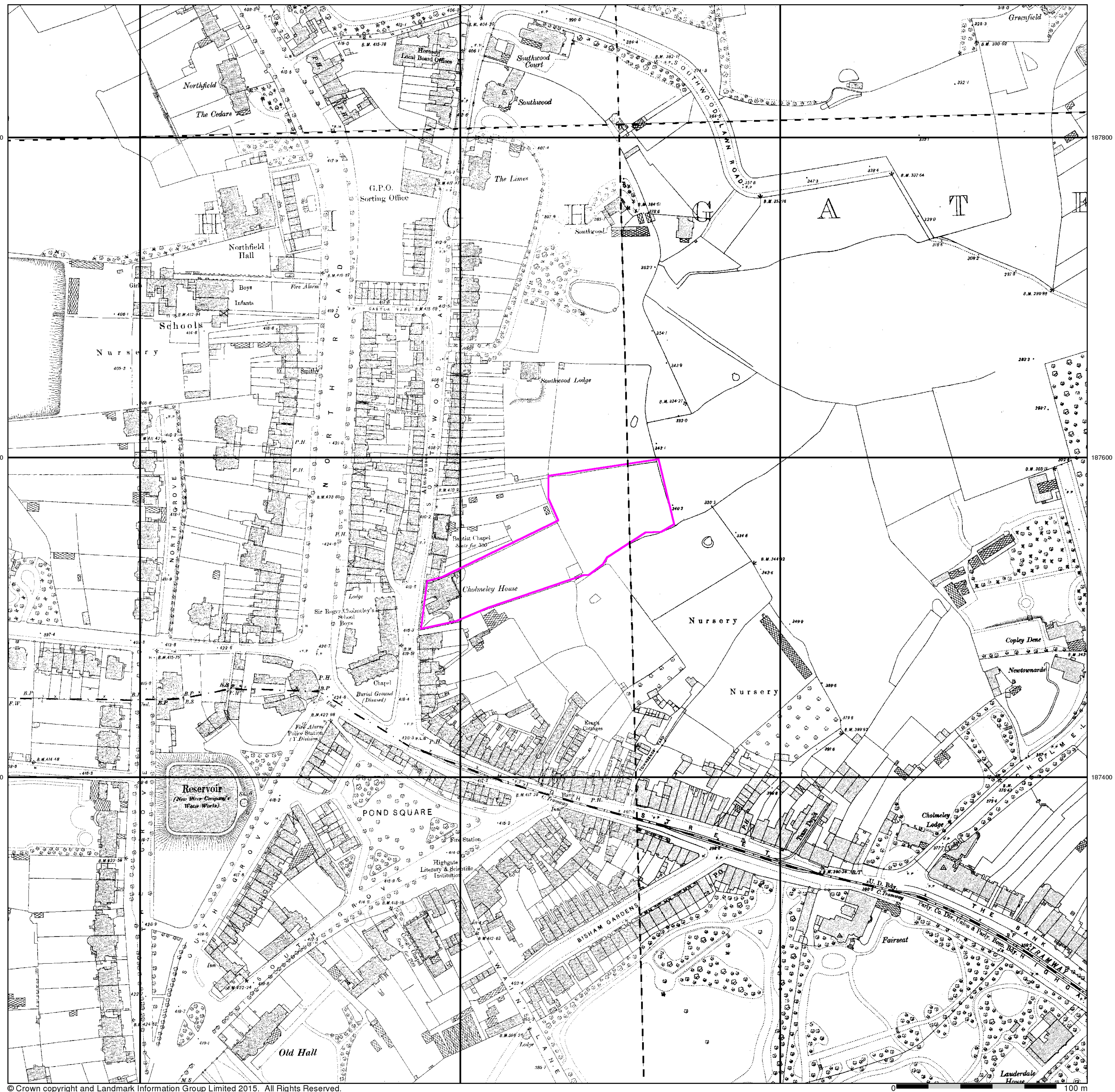
Source map scale - 1:2,500

003.00
1870
1:2,500

Order Number: 66091368_1_1
Customer Ref: J15093
National Grid Reference: 528450, 187540
Slice: A
Site Area (Ha): 0.68
Search Buffer (m): 100

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London

Published 1895

Source map scale - 1:1,056

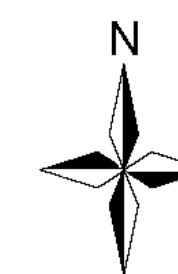
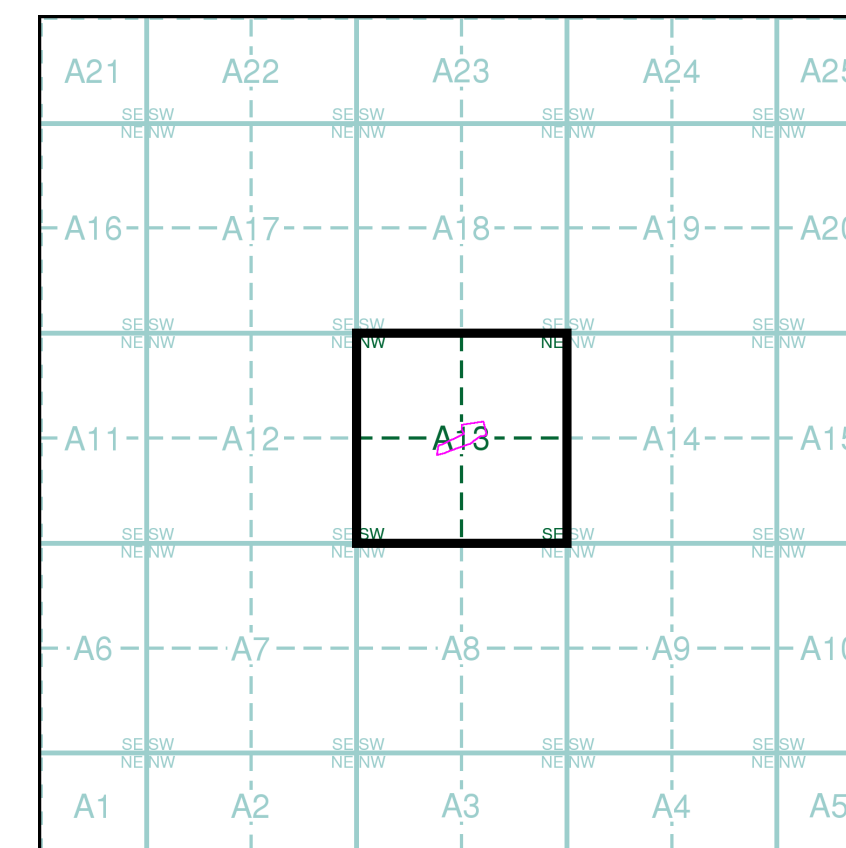
The 1:1056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which London was mapped by the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

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

Map Name(s) and Date(s)

003_00_051	003_00_052
1895	1895
1:1,056	1:1,056
003_00_061	003_00_062
1895	1895
1:1,056	1:1,056

Historical Town Plan - Segment A13

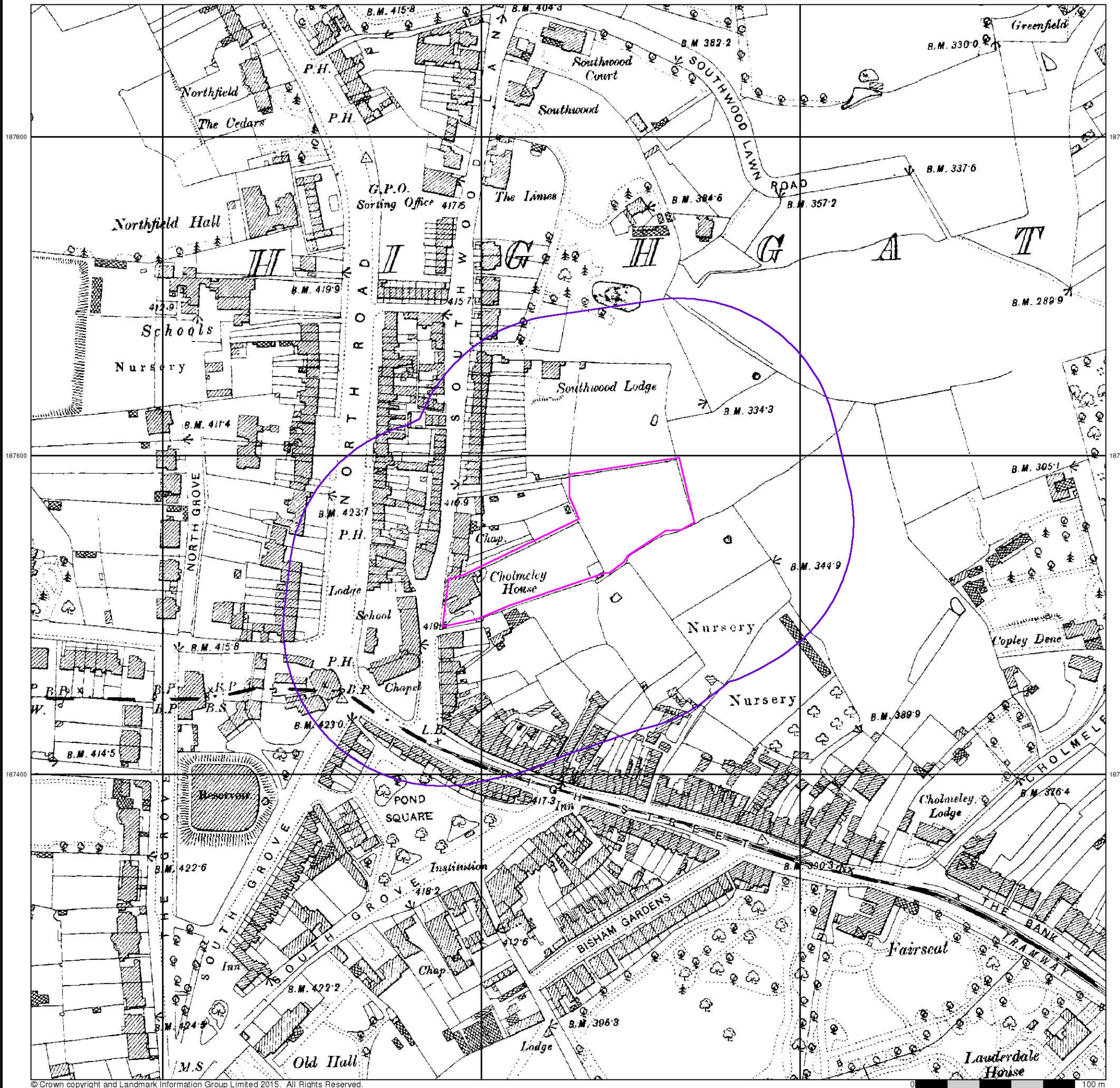


Order Details

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 0

Site Details

Highgate School, Highgate, LONDON, N6 5EE



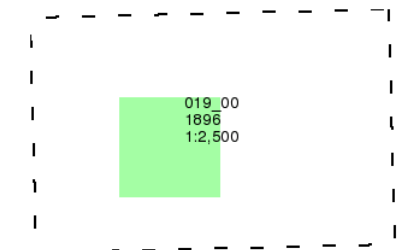
London

Published 1896

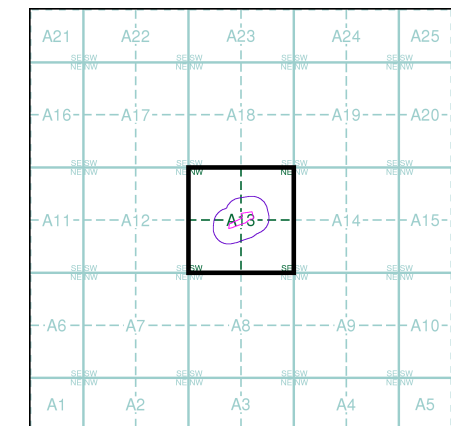
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

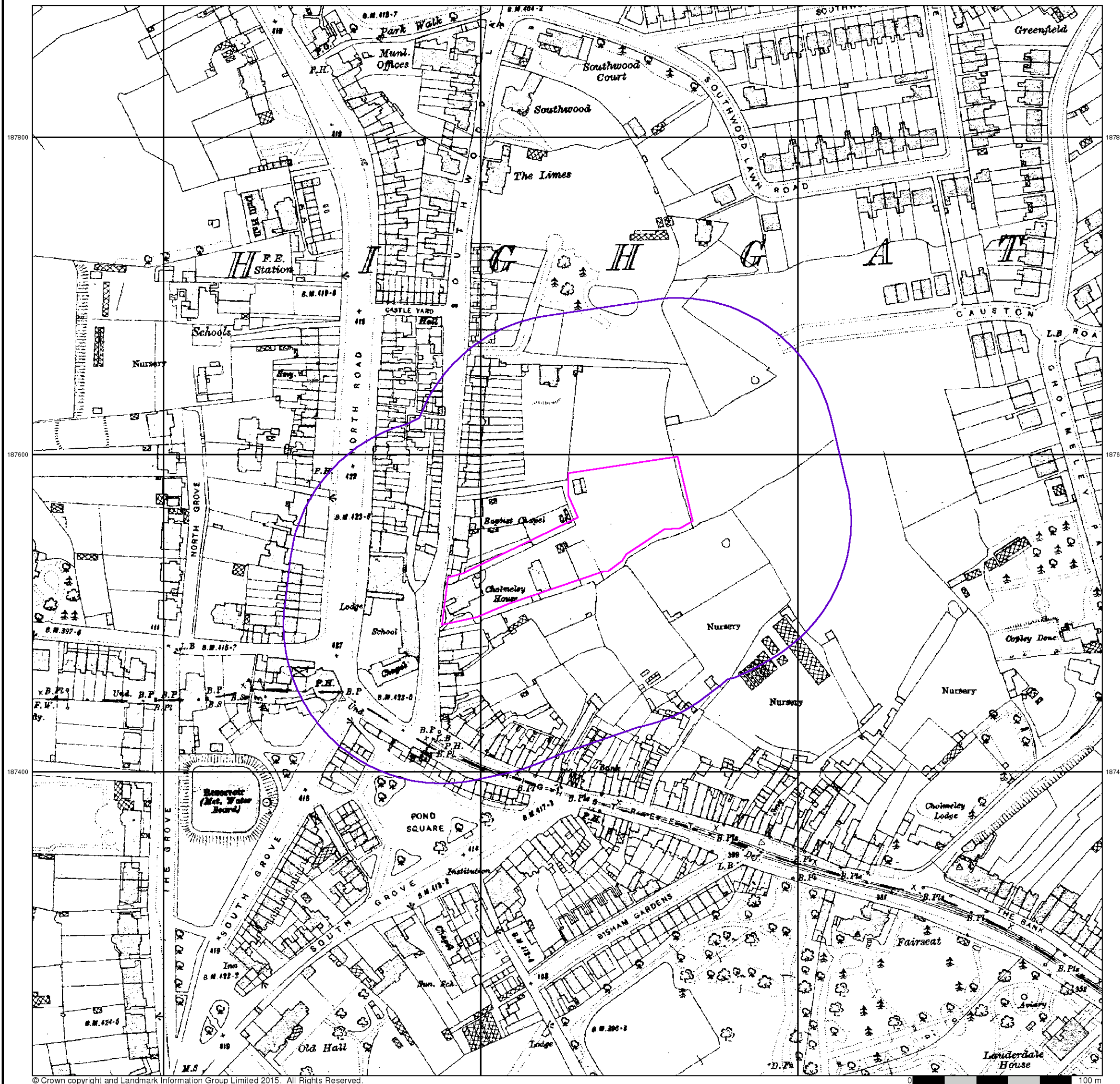


Order Details

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

Highgate School, Highgate, LONDON, N6 5EE



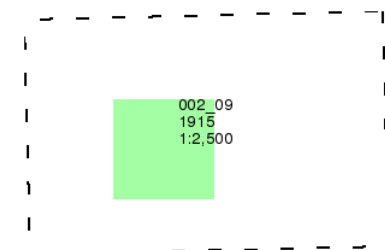
London

Published 1915

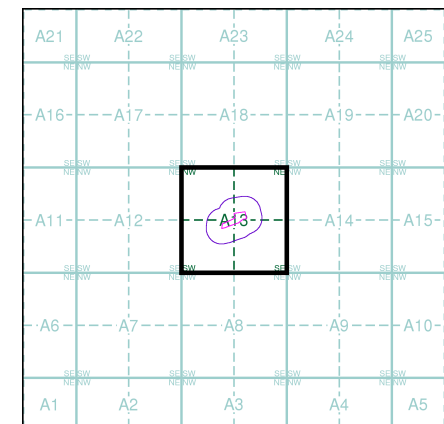
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

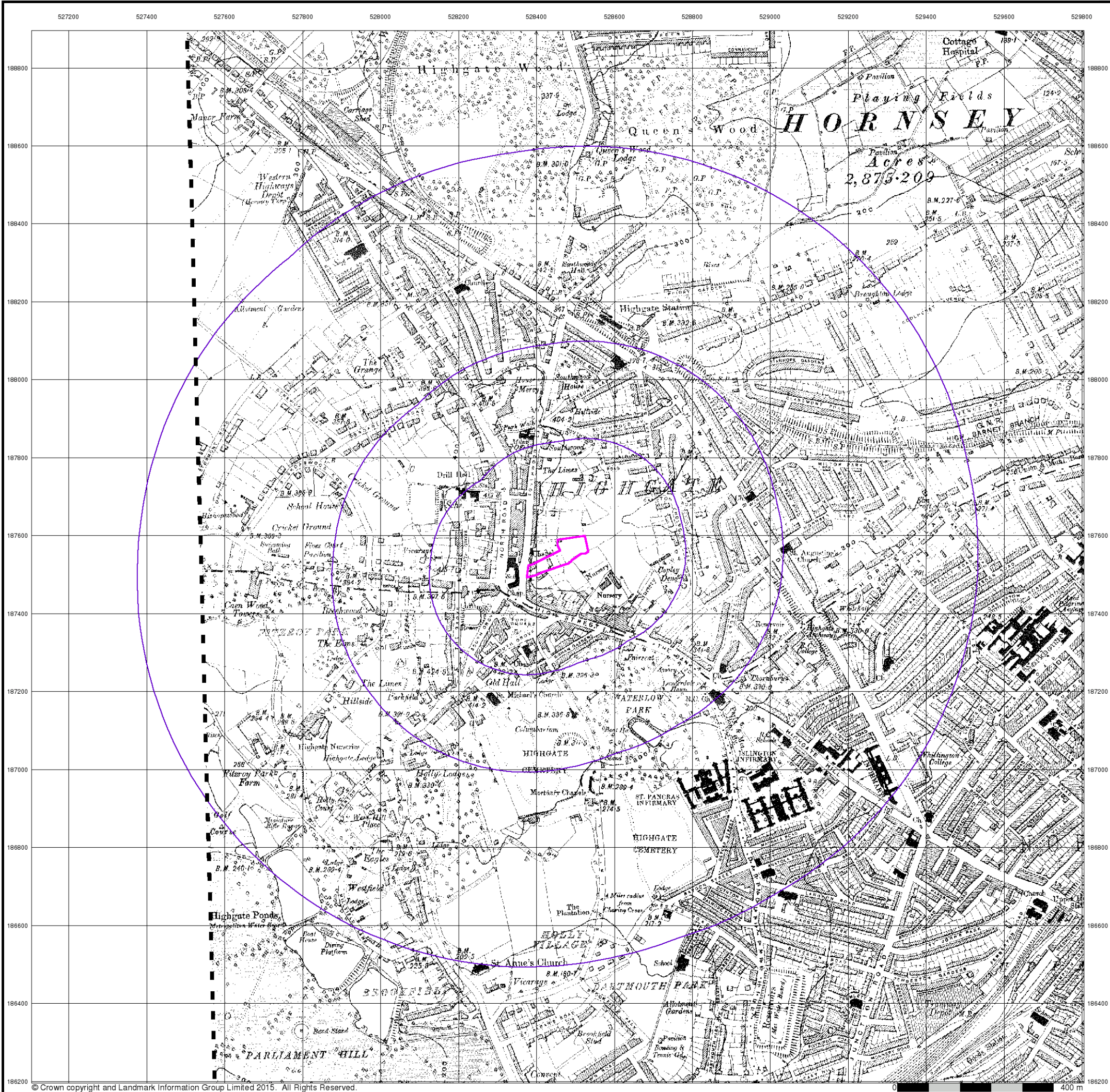


Order Details

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

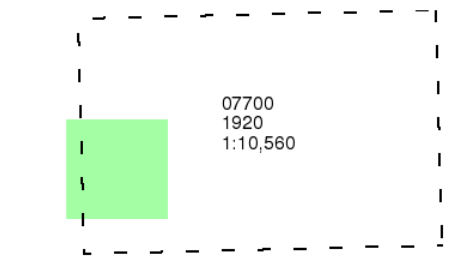
Highgate School, Highgate, LONDON, N6 5EE



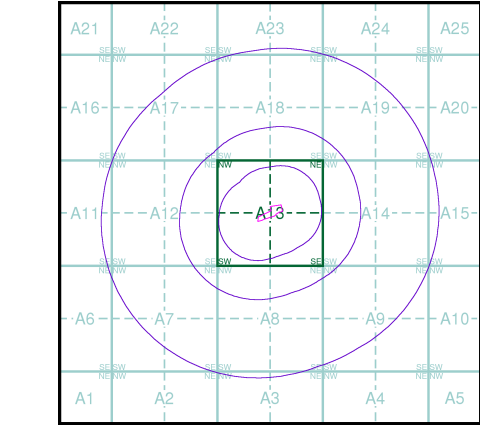
Essex
Published 1920
Source map scale - 1:10,560

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.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 66091368_1_1
Customer Ref: J15093
National Grid Reference: 528450, 187540
Slice: A
Site Area (Ha): 0.68
Search Buffer (m): 1000

Site Details

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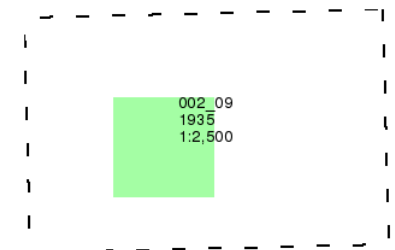
London

Published 1935

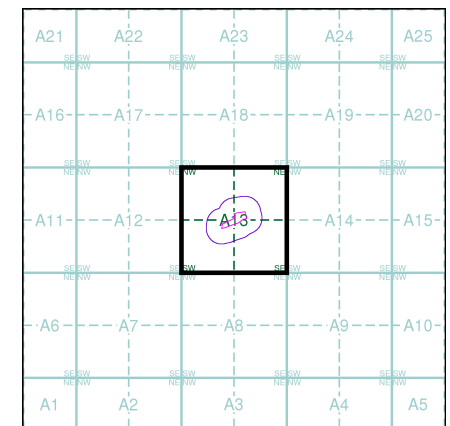
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

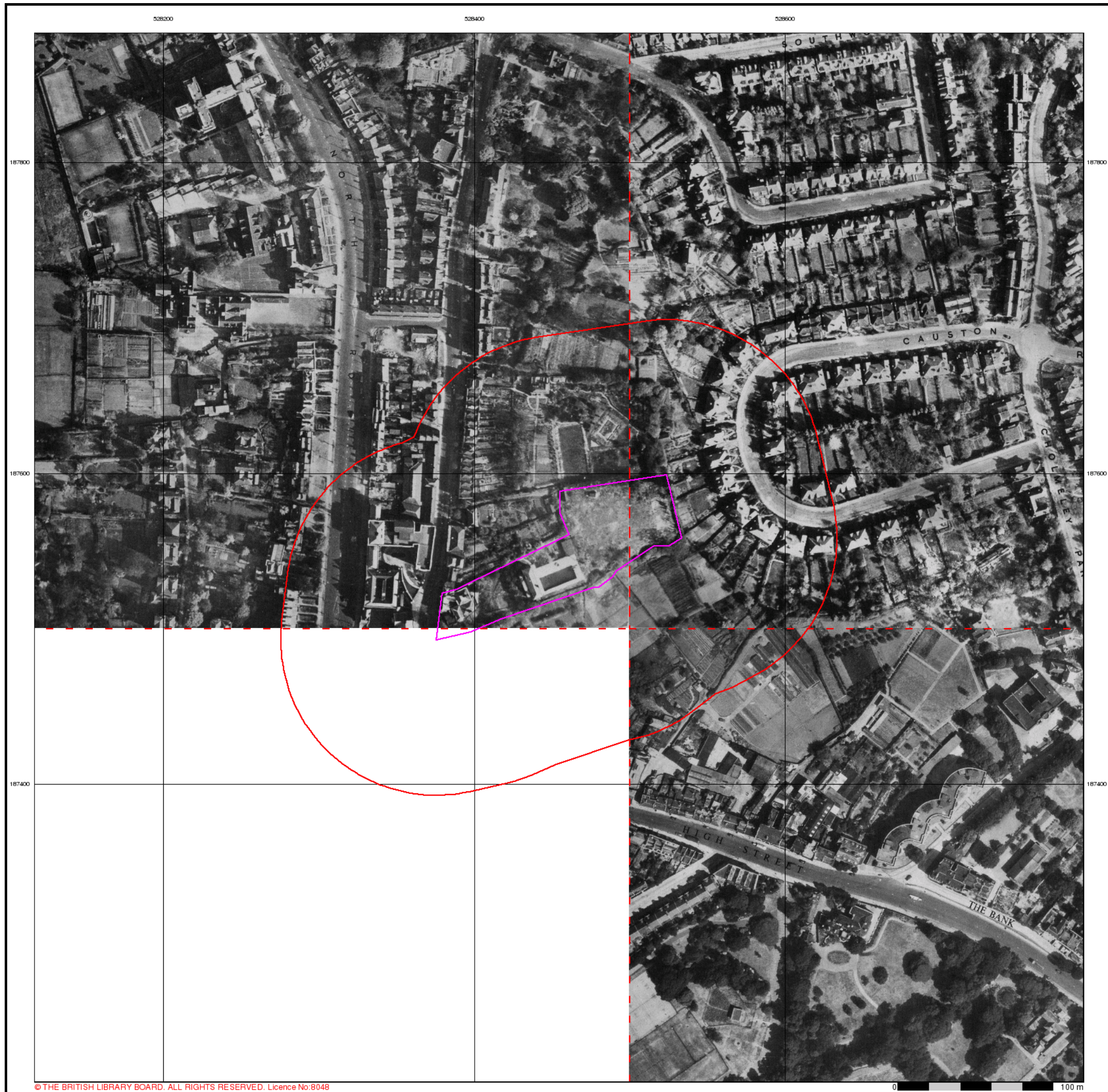


Order Details

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

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Historical Aerial Photography

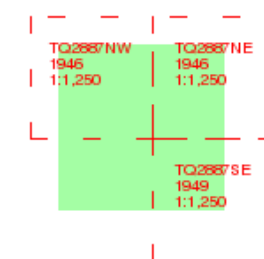
Published 1946 - 1949

Source map scale - 1:1,250

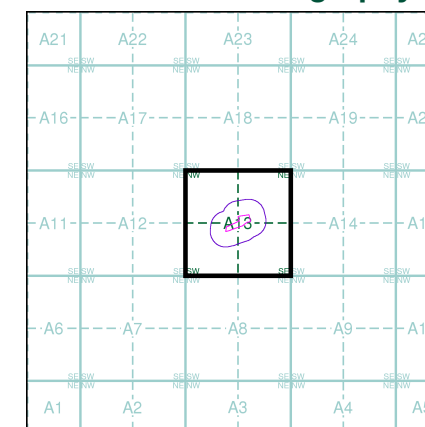
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Segment A13



Order Details

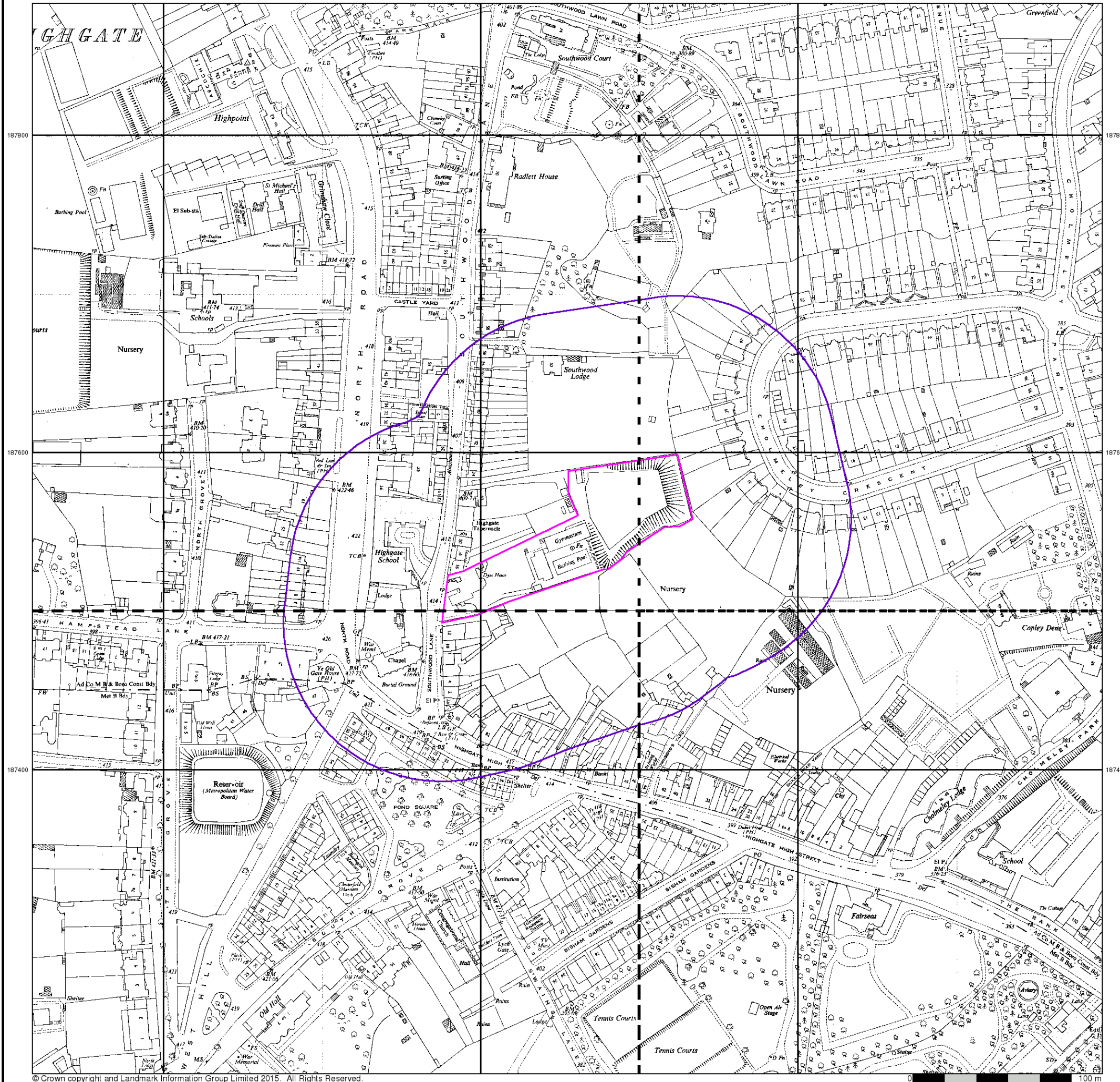
Order Number: 66091368_1_1
Customer Ref: J15093
National Grid Reference: 528450, 187540
Slice: A
Site Area (Ha): 0.68
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1952

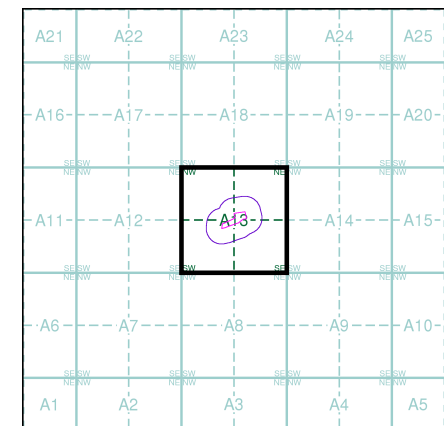
Source map scale - 1:1,250

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)

TQ2887NW	TQ2887NE
1952	1952
1:1,250	1:1,250
TQ2887SW	TQ2887SE
1952	1952
1:1,250	1:1,250

Historical Map - Segment A13

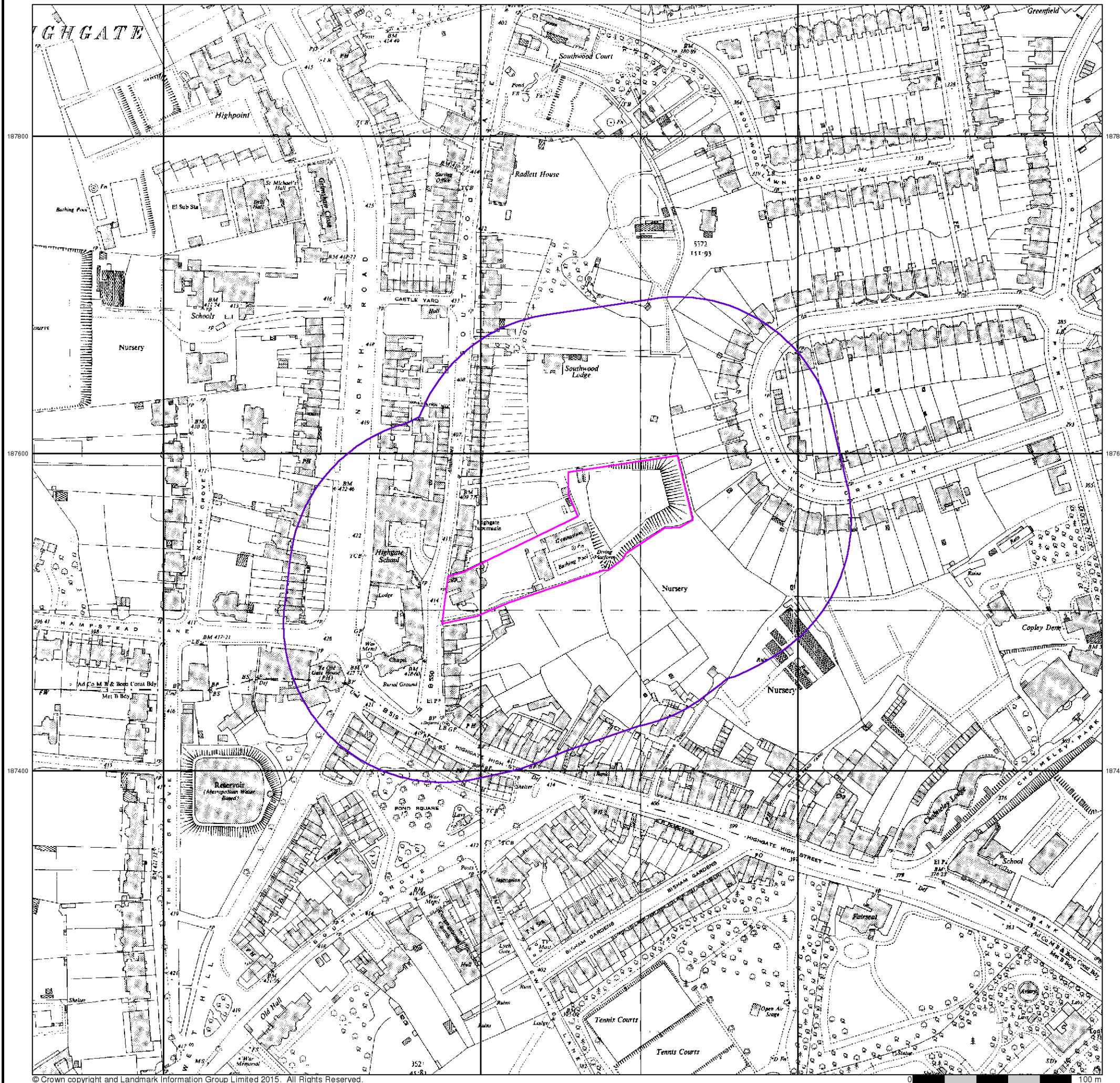


Order Details

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

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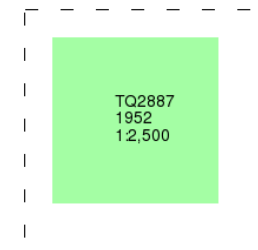
Ordnance Survey Plan

Published 1952

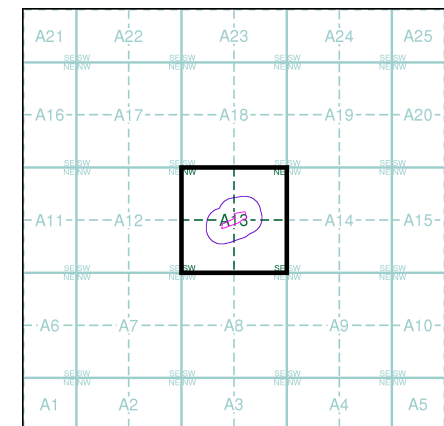
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

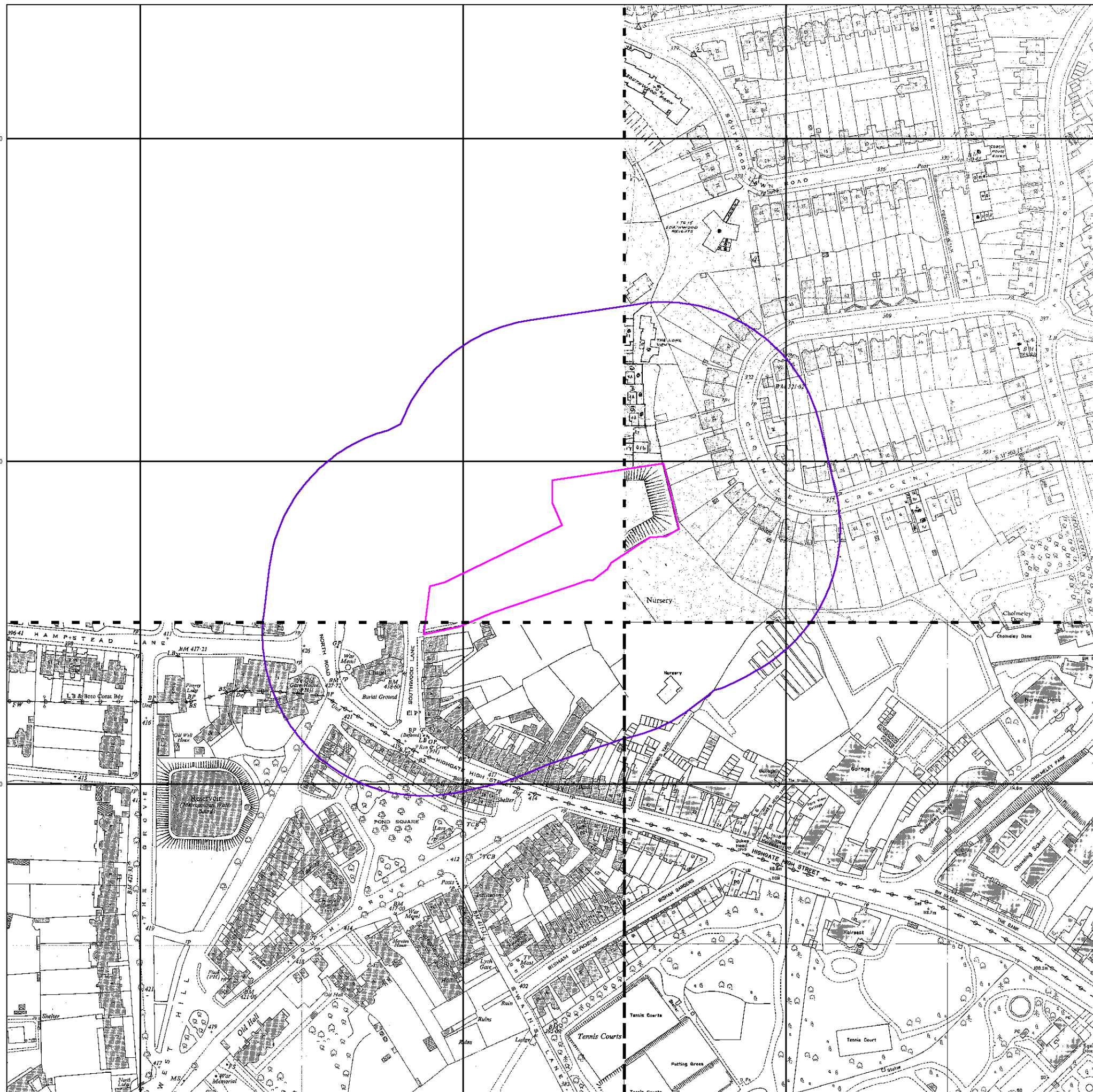


Order Details

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1952 - 1972

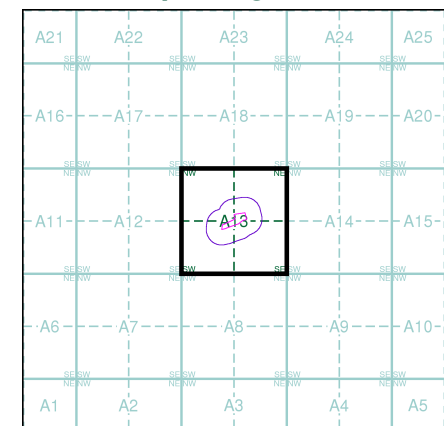
Source map scale - 1:1,250

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)

	TQ2887NE	
	1972	
	1:1,250	
TQ2887SW	TQ2887SE	
1952	1967	
1:1,250	1:1,250	

Historical Map - Segment A13

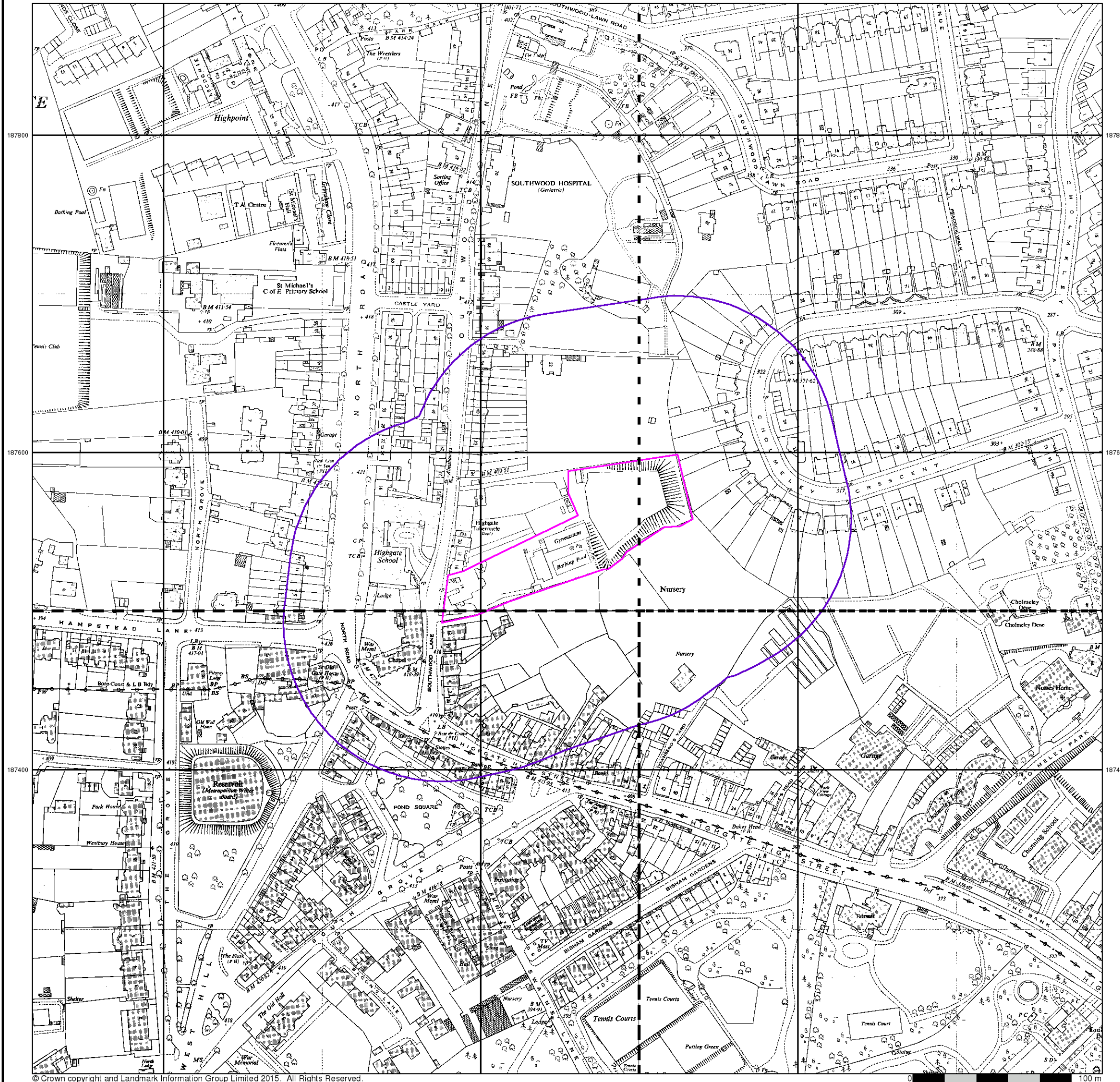


Order Details

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1962 - 1968

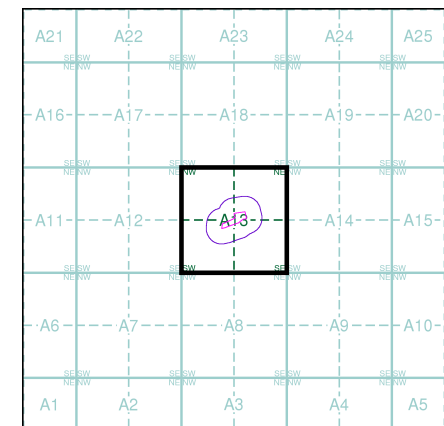
Source map scale - 1:1,250

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)

TQ2887NW 1962 1:1,250	TQ2887NE 1962 1:1,250
TQ2887SW 1968 1:1,250	TQ2887SE 1967 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1968 - 1973

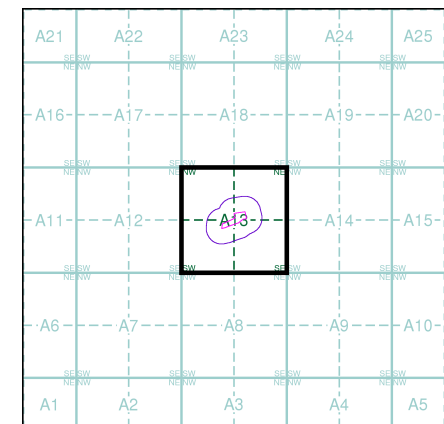
Source map scale - 1:1,250

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)

TQ2887NW 1968 1:1,250	TQ2887NE 1973 1:1,250
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Historical Map - Segment A13

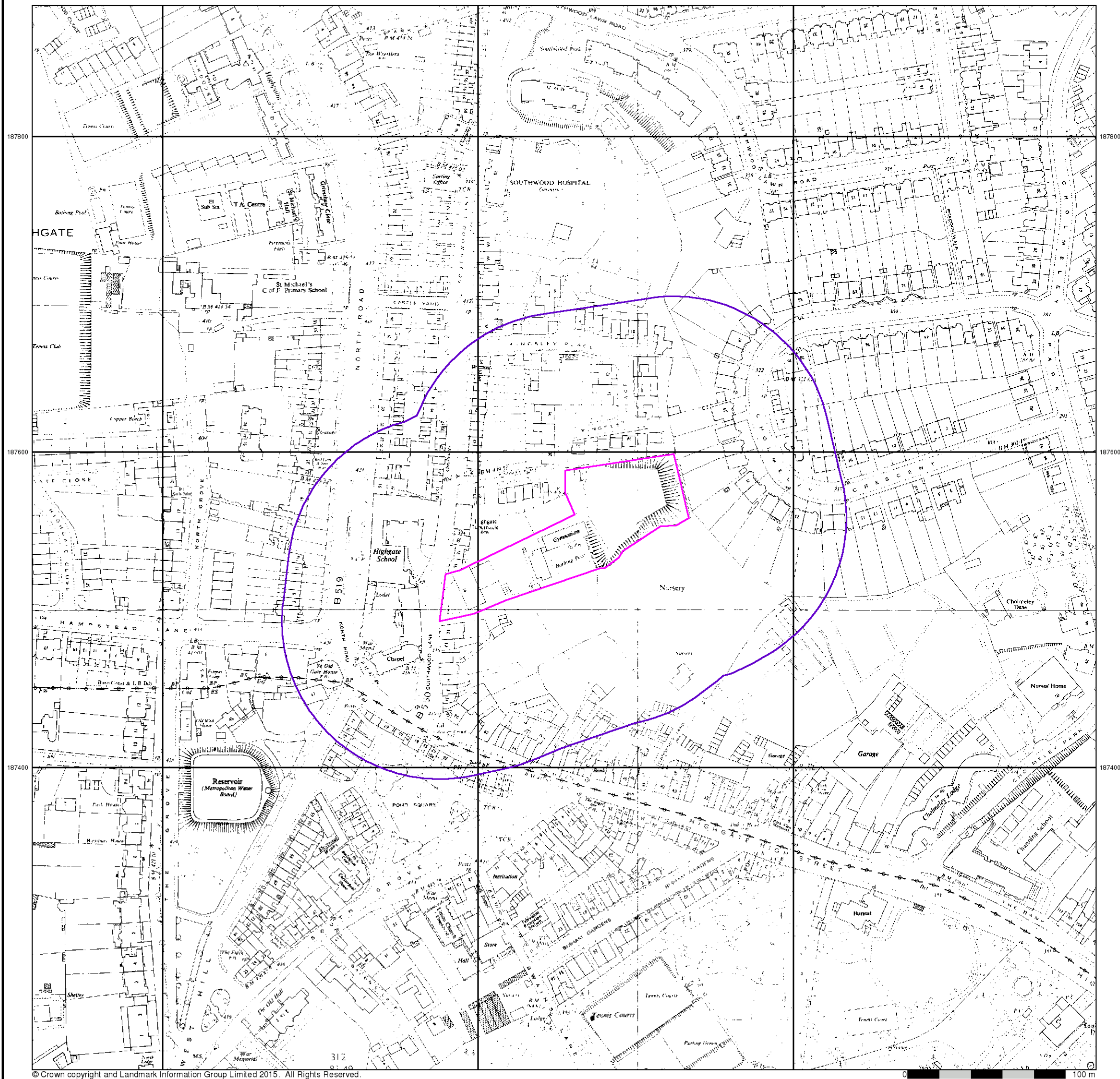


Order Details

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

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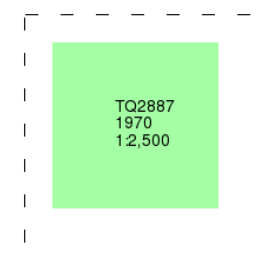
Ordnance Survey Plan

Published 1970

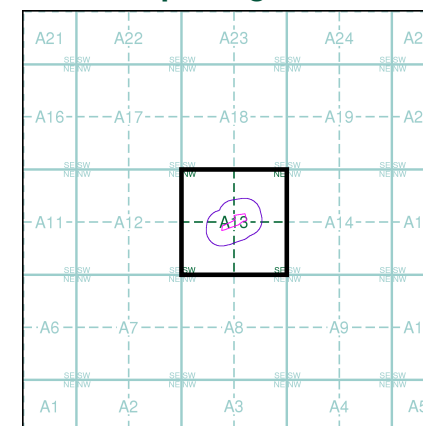
Source map scale - 1:2,500

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

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

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528200

528400

528600

187800

187800

187600

187600

187400

187400



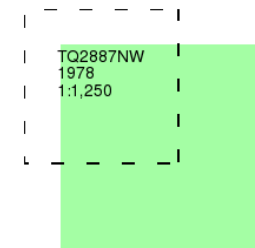
Ordnance Survey Plan

Published 1978

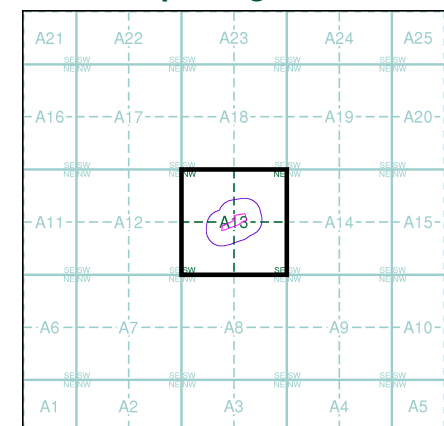
Source map scale - 1:1,250

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

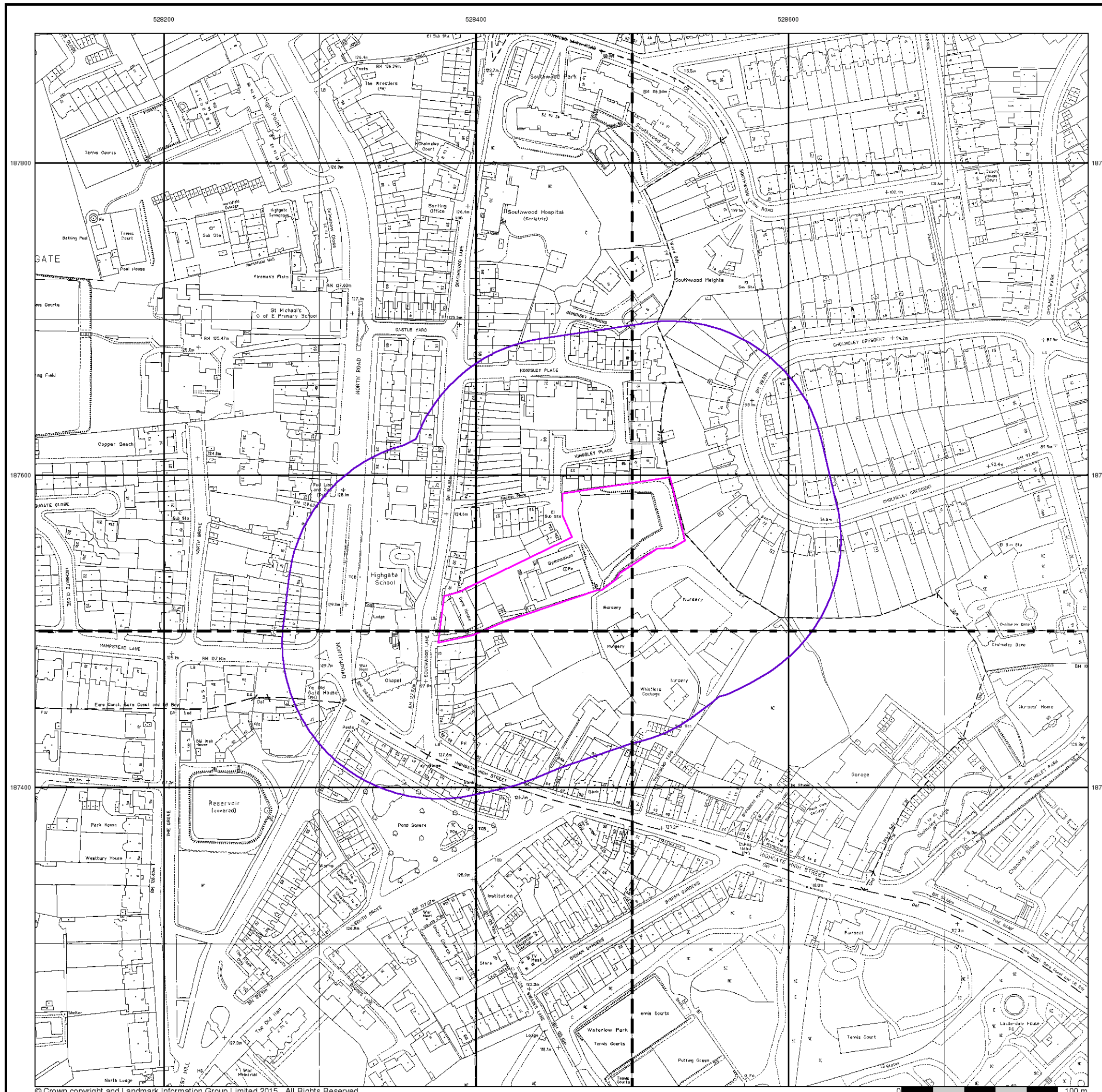


Order Details

Order Number: 66091368_1_1
 Customer Ref: J15093
 National Grid Reference: 528450, 187540
 Slice: A
 Site Area (Ha): 0.68
 Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1991

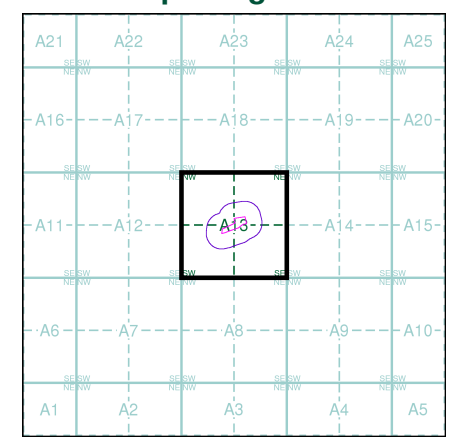
Source map scale - 1:1,250

'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)

TQ2887NW	TQ2887NE
1991	1991
1:1,250	1:1,250
TQ2887SW	TQ2887SE
1991	1991
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

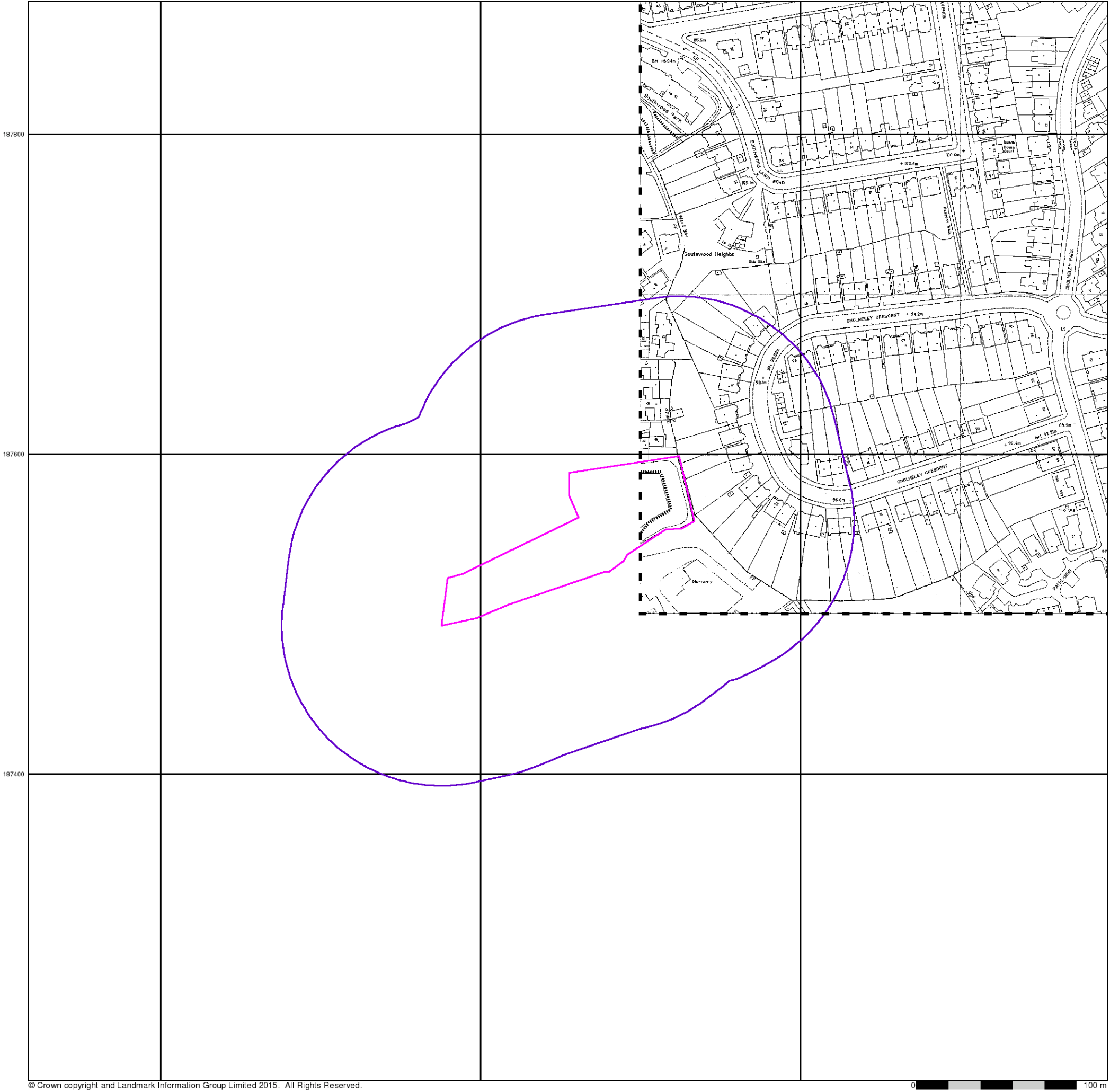
Order Number: 66091368_1_1
Customer Ref: J15093
National Grid Reference: 528450, 187540
Slice: A
Site Area (Ha): 0.68
Search Buffer (m): 100

Site Details

Highgate School, Highgate, LONDON, N6 5EE



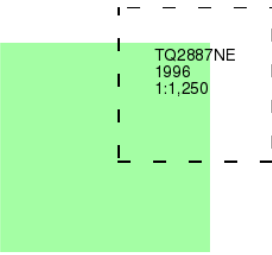
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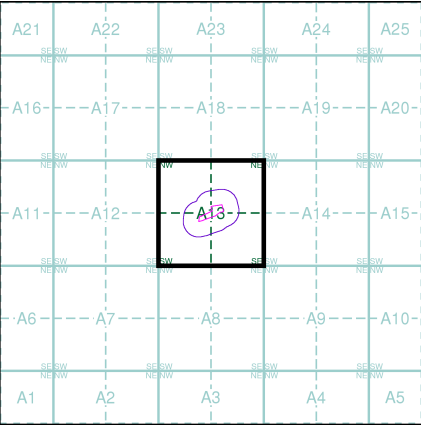
Large-Scale National Grid Data
Published 1996
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

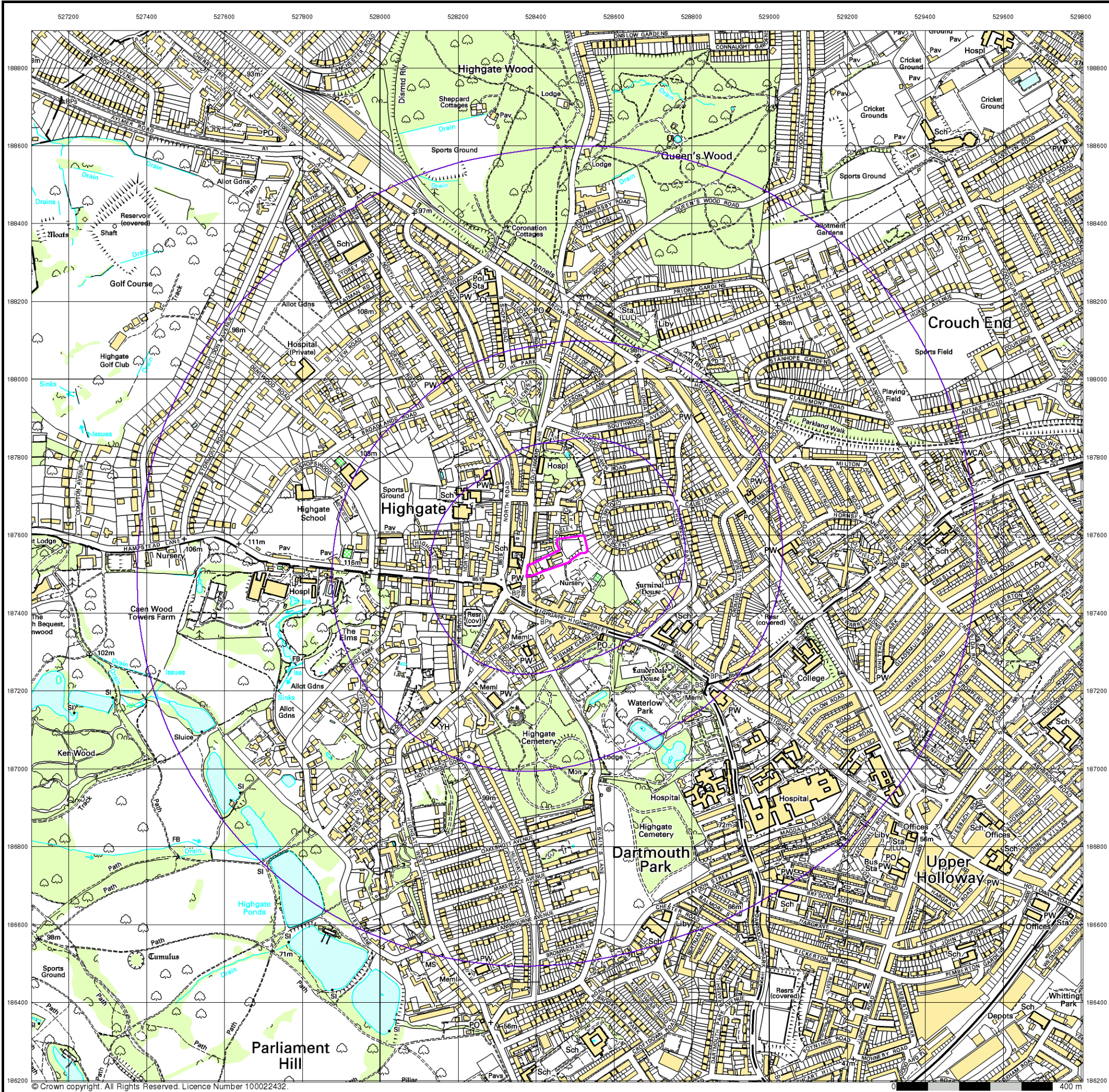
Order Number: 66091368_1_1
Customer Ref: J15093
National Grid Reference: 528450, 187540
Slice: A
Site Area (Ha): 0.68
Search Buffer (m): 100

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



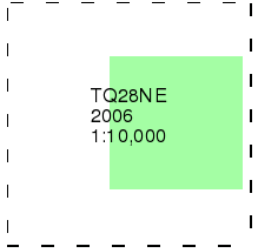
10k Raster Mapping

Published 2006

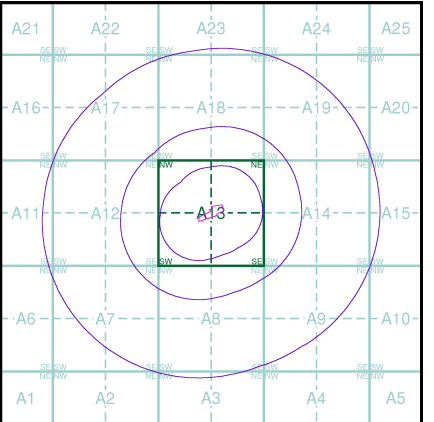
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

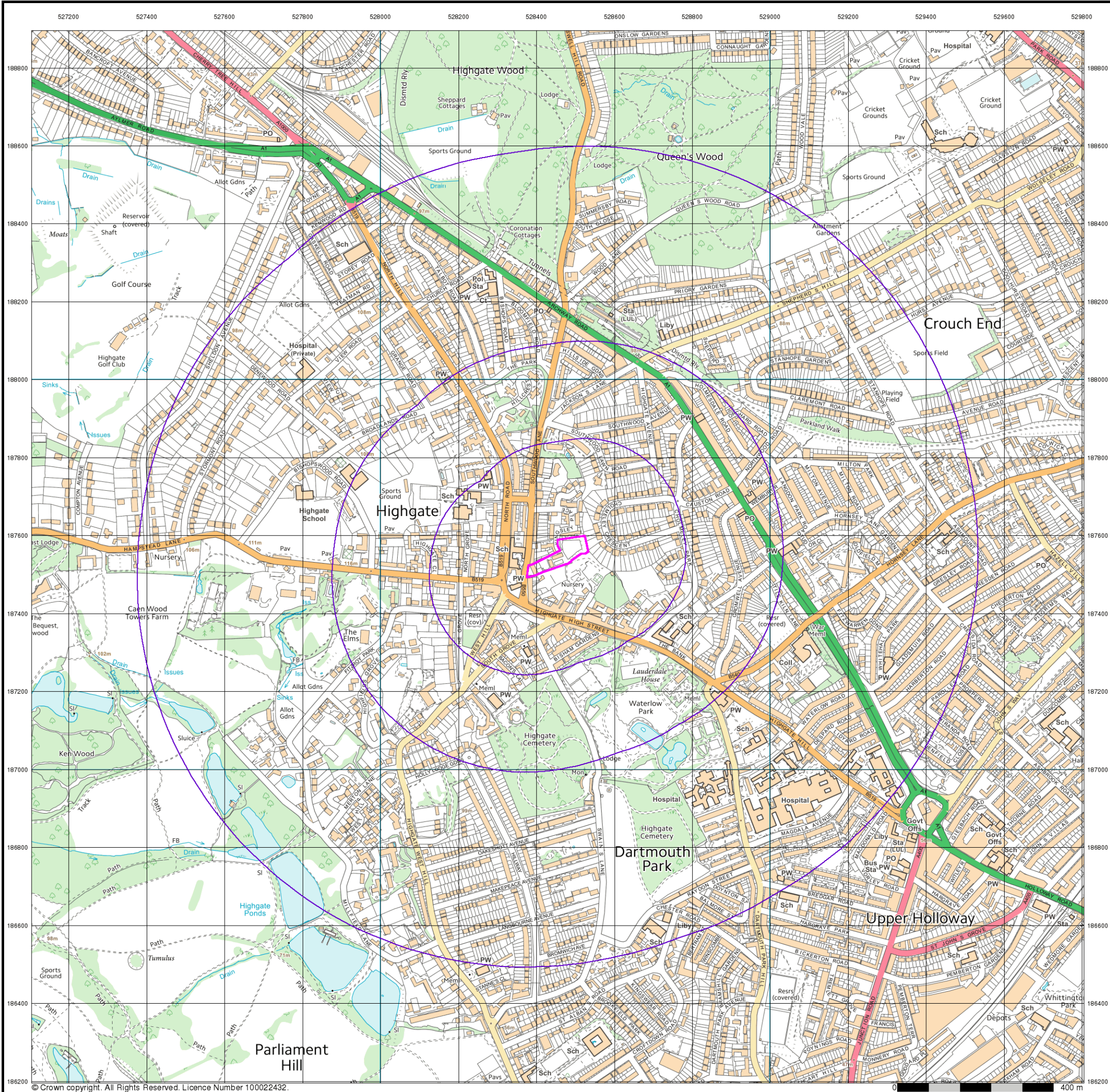
Order Number: 66091368_1_1
Customer Ref: J15093
National Grid Reference: 528450, 187540
Slice: A
Site Area (Ha): 0.68
Search Buffer (m): 1000

Site Details

Highgate School, Highgate, LONDON, N6 5EE



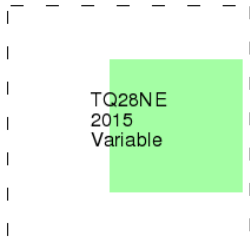
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



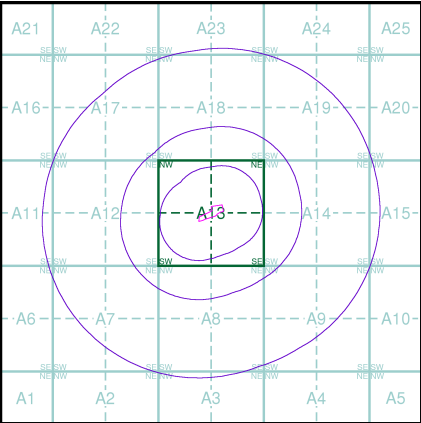
VectorMap Local
Published 2015
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 66091368_1_1
Customer Ref: J15093
National Grid Reference: 528450, 187540
Slice: A
Site Area (Ha): 0.68
Search Buffer (m): 1000

Site Details

Highgate School, Highgate, LONDON, N6 5EE



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

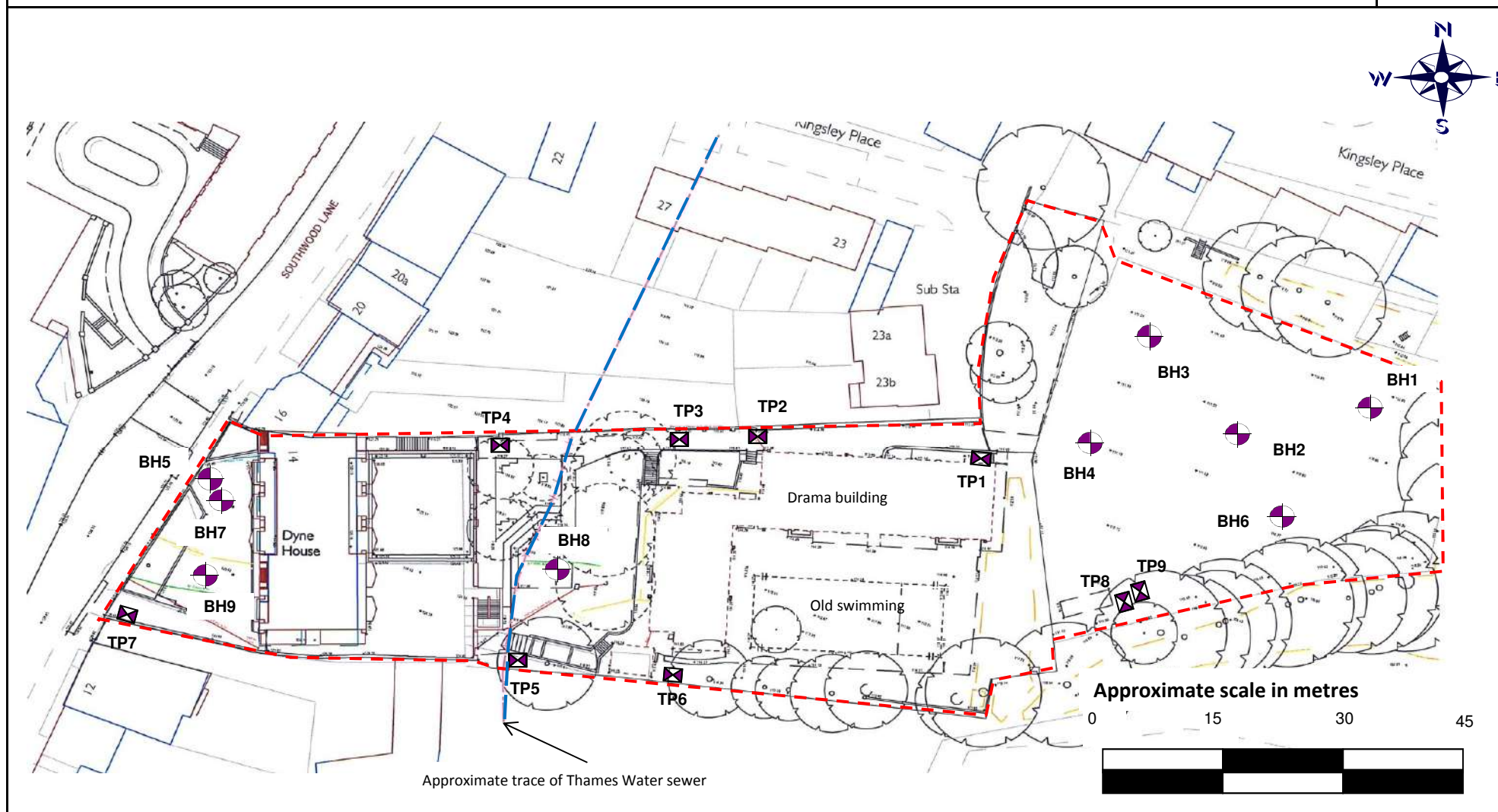
Site Dyne House, Highgate School, London, N6 5EE

Client Highgate School

Engineer A-squared Studio

Job Number
J15093

Sheet
1 / 1



Geotechnical & Environmental Associates (GEA) is an engineer-led and client-focused independent specialist providing a complete range of geotechnical and contaminated land investigation, analytical and consultancy services to the property and construction industries.

We have offices at

Widbury Barn
Widbury Hill
Ware
Hertfordshire
SG12 7QE
tel 01727 824666
mail@gea-ltd.co.uk

Church Farm
Gotham Road
Kingston on Soar
Notts
NG11 0DE
tel 01509 674888
midlands@gea-ltd.co.uk

Enquiries can also be made on-line at

www.gea-ltd.co.uk

where information can be found on all of the services that we offer.



Appendix D – TW Asset Information

Asset Location Search Sewer Map - ALS/ALS Standard/2015 2989764



The width of the displayed area is 500 m and the centre of the map is located at OS coordinates 528436,187538
The position of the apparatus shown on this plan is given without obligation and warranty, and the accuracy cannot be guaranteed. Service pipes are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Thames Water for any error or omission. The actual position of mains and services must be verified and established on site before any works are undertaken.

Based on the Ordnance Survey Map with the Sanction of the controller of H.M. Stationery Office, License no. 100019345 Crown Copyright Reserved.

Appendix E – CCTV Survey

W1171

C/S	645 x 490 C.I. (OUTER)
C/S	600 x 430 C.I. (INNER)
C/O	525 x 370
CH/S	1140 x 680
C.L.	-
INLET	-
OUTLET	-
CONST	BRICK.
COND	REASONABLE
SEAL	SINGLE

NOTES
INTERCEPTOR TRAP BLOKED.
RE-INSPECTION SUE 10/04

MH19

C/S	645	x	495	C.I.	IN FILL (OUTER)
C/S	590	x	440	C.I.	(INNER)
C/O	510	x	360		
CH/S	920	x	610		
C.L.	-				
INLET	1380				
OUTLET	1420				
CONST	BRICK.				
COND	GOOD				
SEAL	SINGLE				

The diagram shows a rectangular structure with a dashed outer boundary and a solid inner boundary. A vertical dashed line is labeled '150 in.' at the top. A horizontal dashed line is labeled '150 in.' on the left. A diagonal dashed line is labeled '11. 1300'.





HEYNE|TILLET|STEEL
S T R U C T U R A L E N G I N E E R S

cctv inspection survey

CLIENT: Heyne Tillett Steel

SITE: Dyne House, Highgate

JOB REF: 13/235

Unit 6, Longacre Close, Holbrook Industrial Estate, Sheffield S20 3FR
Tel: (0114) 2513481 E-Mail: info@sewersurveysuk.co.uk

CCTV SURVEY – Recommendations

Client:	Heyne Tillett Steel	Contact:	David Miller
Site Address:	Dyne House, Highgate School, London	Position:	
Date of Report:	18 th December 2013	Job No:	13/235

A CCTV inspection survey was carried out by Sewer Surveys UK Ltd at the above site, this was conducted on behalf of Heyne Tillett Steel.

The purpose of the survey was to determine the route and to visually ascertain the condition.

Section 1, MH01 downstream to MH02

Our survey has highlighted that there are multiple fractures and cracks within this section of pipe, also there are areas of deformity and broken pipe. At 68.4m there is a hole recorded and all the way through the pipe are roots. We would recommend that a full length liner is inserted to keep the integrity of the pipe, this is to prevent any collapses in the future.

Section 2, MH04 upstream to MH03

There are no defects within this length of pipe.

Section 3, MH04 downstream Main

There are no defects within this length of pipe.

Project-information / Inspection: 1

Project name :
Dyne House London

Project Number :
13/235

Contact :
David Miller

Date :
18/12/2013

Client: **Heyne Tillett Steel**
 Contact Name: **David Miller**
 Department:
 Road: **77 Bastwick Street**
 Town: **Clerkenwell**
 County: **London, EC1V 3PZ**
 Telephone: **0207 8708050**
 Fax: **0207 2536331**
 Mobile: **07855 641591**
 E-mail: **dmiller@hts.uk.com**

Site: **Dyne House, Highgate School**
 Contact Name: **Gwyn Jones**
 Department: **Dyne House Project Manager**
 Road: **Southwood Lane**
 Town: **Highgate**
 County: **London, N6 5EE**
 Telephone:
 Fax:
 Mobile: **07970 473584**
 E-mail: **gwyn.jones@highgateschool.org.uk**

Contractor **Sewer Surveys UK Ltd**
 Contact Name: **Andrew Froggatt/Simon Bennett**
 Department: **Directors**
 Road: **Unit 6, Venture One, Longacre Close**
 Town: **Sheffield**
 County: **South Yorkshire, S20 3FR**
 Telephone: **0114 2513481**
 Fax:
 Mobile: **07837 768649/07808 220160**
 E-mail: **info@sewersurveysuk.co.uk**

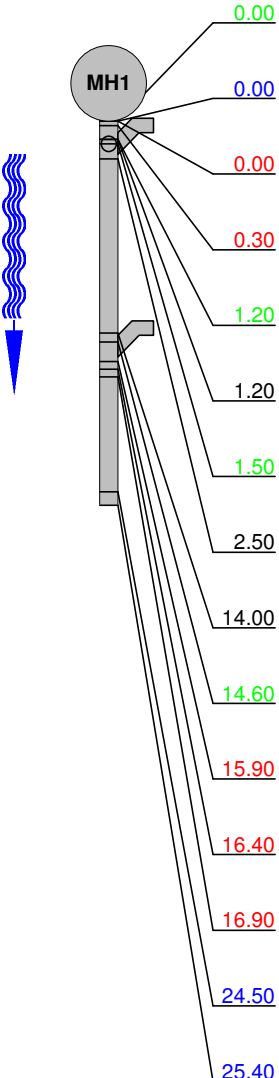
Inspection report / Inspection: 1

Date : 18/12/2013	Job number :	Weather : no rain or snow	Operator : SB	Section number : 1	PLR SUFFIX: X
Weather no rain or snow	Vehicle : SG07 EHZ	Camera :	Preset :	Cleaned :	Operator : SB

Place : london	Location details:	U/S MH : MH1
Road : SOUTHWOOD LANE	Catchment:	U/S Depth :
Location A footway beside a road	Tape number :	D/S MH : MH2
Inspection Direction MH1 (D/S) MH2	Pipe Length 0.80 m	D/S Depth :

Use: Combined	Pipe shape : Circular
Year laid : Z	Pipe size : 450 mm
Purpose : Routine inspection of condition	Pipe material : Vitrified clay
Total length : 122.90 m	Lining :

Comment :

1:500	Position	Code	Observation	Photo	Grade
	0.00	MH	Start node type, manhole, reference number : MH1		(Constr) 0
	0.00	WL	Water level, 10% of the vertical dimension		(Serv) 0
	0.00	FL	Fracture, longitudinal, at 2 o'clock	1_3A	(Struct) 3
	0.30	BJ	Broken pipe at joint, from 3 to 5 o'clock		(Struct) 4
	1.20	CN	Connection other than junction, at 9 o'clock, diameter 150mm		(Constr) 0
	1.20	VR	Vermin, rat		(Misc) 0
	1.50	JN	Junction, at 12 o'clock, diameter 300mm		(Constr) 0
	2.50	MC	Material changes, cast iron		(Misc) 0
	14.00	MC	Material changes, vitrified clay		(Misc) 0
	14.60	CN	Connection other than junction, at 9 o'clock, diameter 150mm		(Constr) 0
	15.90	CL	Crack, longitudinal, at 12 o'clock		(Struct) 2
	16.40	CC	Crack, circumferential, from 9 to 10 o'clock		(Struct) 2
	16.90	CL	Crack, longitudinal, at 12 o'clock		(Struct) 2
	24.50	RFJ	Roots, fine at joint		(Serv) 2
	25.40	RFJ	Roots, fine at joint		(Serv) 2

Inspection Report / Inspection: 1

Date : 18/12/2013	Job number : SG07 EHZ	Weather : no rain or snow	Operator : SB	Section number : 1	PLR : X
Weather no rain or snow	Vehicle : SG07 EHZ	Camera :	Preset :	Cleaned :	Grade:

1:500	Position	Code	Observation	Photo	Grade
	<u>27.80</u>	RFJ	Roots, fine at joint		(Serv) 2
	<u>30.80</u>	S01 RF	Roots, fine, Start		(Serv) 2
	<u>43.40</u>	F01 RF	Roots, fine, End		(Serv) 2
	<u>44.10</u>	JN	Junction, at 2 o'clock, diameter 150mm		(Constr) 0
	<u>51.80</u>	CL	Crack, longitudinal, at 12 o'clock		(Struct) 2
	<u>52.80</u>	CL	Crack, longitudinal, at 11 o'clock		(Struct) 2
	<u>60.40</u>	FCJ	Fracture, circumferential at joint, from 10 to 12 o'clock	1_22A	(Struct) 3
	<u>60.40</u>	CL	Crack, longitudinal, at 12 o'clock		(Struct) 2
	<u>60.40</u>	CL	Crack, longitudinal, at 3 o'clock		(Struct) 2
	<u>61.30</u>	B	Broken pipe, from 2 to 4 o'clock	1_25A	(Struct) 4
	<u>61.30</u>	S02 FL	Fracture, longitudinal, at 12 o'clock, Start		(Struct) 3
	<u>61.30</u>	D	Deformed sewer/drain, 5%		(Struct) 2
	<u>61.80</u>	CN	Connection other than junction, at 2 o'clock, diameter 150mm Remarks: LIVE		(Constr) 0
	<u>62.50</u>	FL	Fracture, longitudinal, at 3 o'clock		(Struct) 3
	<u>62.90</u>	FCJ	Fracture, circumferential at joint, from 11 to 1 o'clock	1_30A	(Struct) 3
	<u>63.70</u>	F02 FL	Fracture, longitudinal, at 12 o'clock, End		(Struct) 3

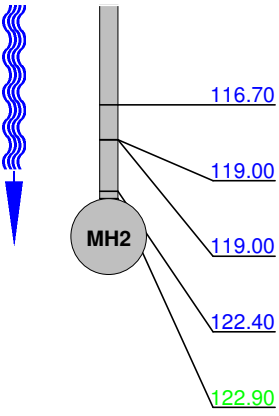
Inspection Report / Inspection: 1

Date : 18/12/2013	Job number : SG07 EHZ	Weather : no rain or snow	Operator : SB	Section number : 1	PLR : X
Weather no rain or snow	Vehicle : SG07 EHZ	Camera :	Preset :	Cleaned :	Grade:

1:500	Position	Code	Observation	Photo	Grade
	<u>66.10</u>	FL	Fracture, longitudinal, at 12 o'clock		(Struct) 3
	<u>66.10</u>	CL	Crack, longitudinal, at 8 o'clock		(Struct) 2
	<u>66.80</u>	CL	Crack, longitudinal, at 2 o'clock		(Struct) 2
	<u>67.20</u>	CL	Crack, longitudinal, at 8 o'clock		(Struct) 2
	<u>67.20</u>	CL	Crack, longitudinal, at 10 o'clock		(Struct) 2
	<u>67.20</u>	CL	Crack, longitudinal, at 3 o'clock		(Struct) 2
	<u>68.40</u>	H	Hole in drain/sewer, at 12 o'clock	1_38A	(Struct) 4
	<u>70.00</u> S03	RF	Roots, fine, Start		(Serv) 2
	<u>73.70</u>	DES	Settled deposits, fine, 5% cross-sectional area loss		(Serv) 2
	<u>81.80</u> F03	RF	Roots, fine, End		(Serv) 2
	<u>83.10</u>	JN	Junction, at 2 o'clock, diameter 225mm Remarks: LIVE		(Constr) 0
	<u>84.30</u>	RFJ	Roots, fine at joint		(Serv) 2
	<u>89.10</u> S04	RFJ	Roots, fine at joint, Start		(Serv) 2
	<u>93.60</u> F04	RFJ	Roots, fine at joint, End		(Serv) 2
	<u>100.80</u> S05	CL	Crack, longitudinal, at 12 o'clock, Start		(Struct) 2
	<u>102.90</u> F05	CL	Crack, longitudinal, at 12 o'clock, End		(Struct) 2
	<u>110.10</u> S06	LL	Line deviates left, quarter, Start		(Serv) 0

Inspection Report / Inspection: 1

Date : 18/12/2013	Job number : SG07 EHZ	Weather : no rain or snow	Operator : SB	Section number : 1	PLR : X
Weather no rain or snow	Vehicle : SG07 EHZ	Camera :	Preset :	Cleaned :	Grade:

1:500	Position	Code	Observation	Photo	Grade
	116.70	F06 LL	Line deviates left, quarter, End		(Serv) 0
	119.00	LL	Line deviates left, quarter		(Serv) 0
	119.00	WL	Water level, 20% of the vertical dimension		(Serv) 0
	122.40	DER	Settled deposits, coarse, 10% cross-sectional area loss		(Serv) 3
	122.90	MHF	Finish node type, manhole reference number: MH2		(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
23	170	6.02	737	5	9	4	0.32	38.65	3

Inspection pictures / Inspection: 1Place :
londonRoad :
SOUTHWOOD LANEDate :
18/12/2013Section number :
1PLR Suffix :
X

Photo: 1_3A
0m, Fracture, longitudinal, at 2 o'clock



Photo: 1_22A
60.4m, Fracture, circumferential at joint, from 10 to 12 o'clock

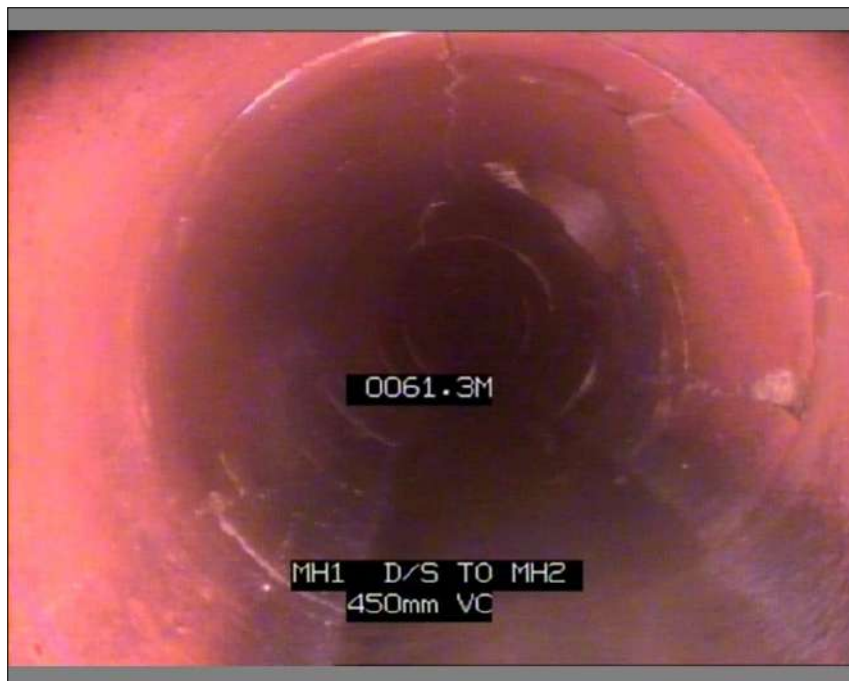
Inspection pictures / Inspection: 1Place :
londonRoad :
SOUTHWOOD LANEDate :
18/12/2013Section number :
1PLR Suffix :
X

Photo: 1_25A
61.3m, Broken pipe, from 2 to 4 o'clock

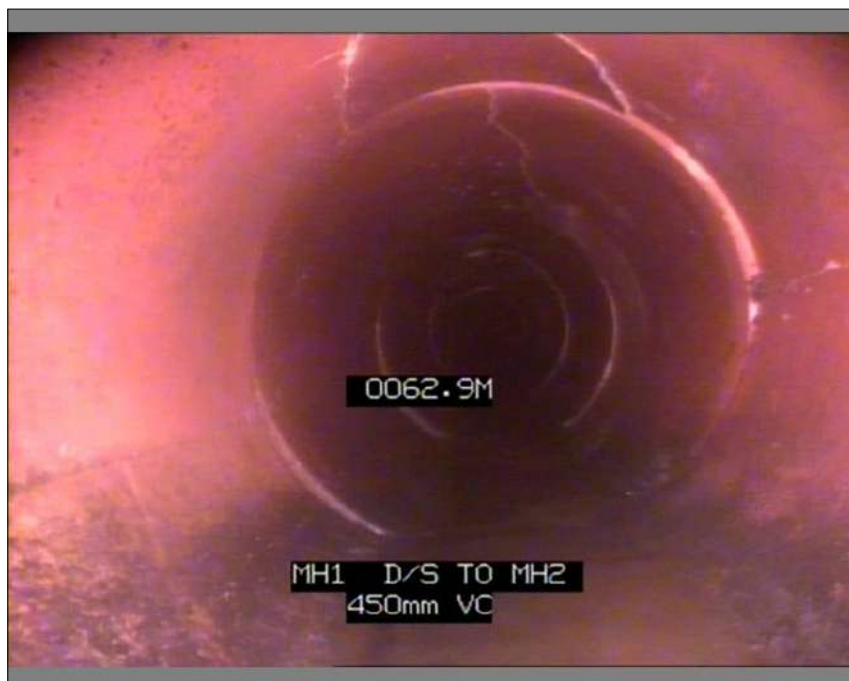


Photo: 1_30A
62.9m, Fracture, circumferential at joint, from 11 to 1 o'clock

Place :

Inspection pictures / Inspection: 1

Place :
london

Road :
SOUTHWOOD LANE

Date :
18/12/2013

Section number :
1

PLR Suffix :
X

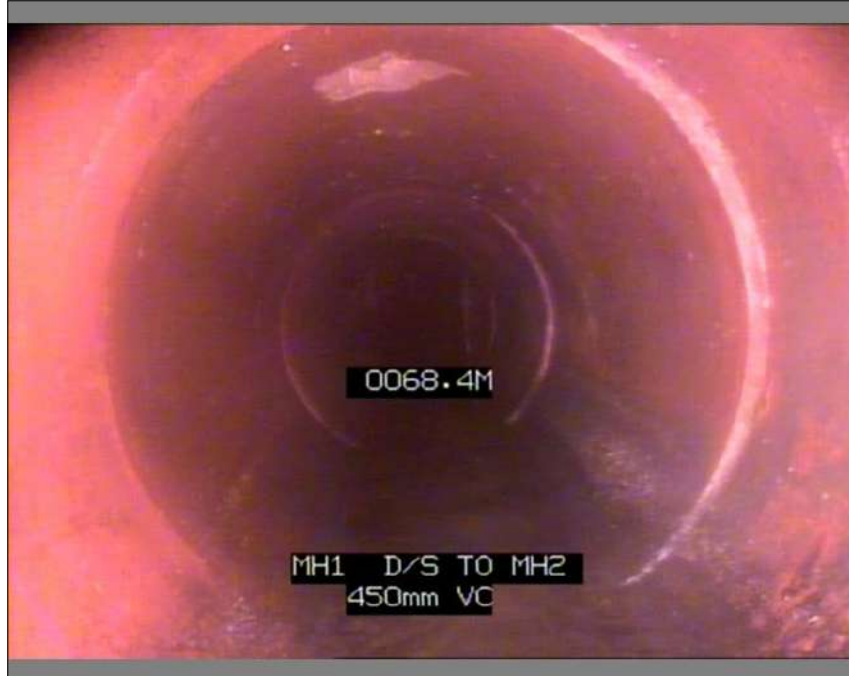


Photo: 1_38A
68.4m, Hole in drain/sewer, at 12 o'clock

Place :



Sewer Surveys UK Ltd
 Unit 6, Venture One, Longacre Close
 Street : Sheffield
 Tel: 0114 2513481
 Fax:
 Email: info@sewersurveysuk.co.uk

Inspection report / Inspection: 1

Date : 18/12/2013	Job number :	Weather : no rain or snow	Operator : SB	Section number : 2	PLR SUFFIX: X
Weather no rain or snow	Vehicle : SG07 EHZ	Camera :	Preset :	Cleaned :	Operator : SB

Place : London	Location details:	U/S MH : MH3
Road : SOUTHWOOD LANE	Catchment:	U/S Depth :
Location Property with buildings	Tape number :	D/S MH : MH4
Inspection Direction: MH4 (U/S) MH3	Pipe Length 0.60 m	D/S Depth :

Use: Combined	Pipe shape : Circular
Year laid : Z	Pipe size : 100 mm
Purpose : Routine inspection of condition	Pipe material : Vitrified clay
Total length : 13.90 m	Lining :

Comment :

1:500	Position	Code	Observation	Photo	Grade
		MH	Start node type, manhole, reference number : MH4		(Constr) 0
		WL	Water level, 0% of the vertical dimension		(Serv) 0
		MHF	Finish node type, manhole reference number: MH3		(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

Place :



Sewer Surveys UK Ltd
 Unit 6, Venture One, Longacre Close
 Street : Sheffield
 Tel: 0114 2513481
 Fax:
 Email: info@sewersurveysuk.co.uk

Inspection report / Inspection: 1

Date : 18/12/2013	Job number : SG07 EHZ	Weather : no rain or snow	Operator : SB	Section number : 3	PLR SUFFIX: X
Weather no rain or snow	Vehicle : SG07 EHZ	Camera :	Preset :	Cleaned :	Operator : SB

Place : london	Location details:	U/S MH : MH4
Road : SOUTHWOOD LANE	Catchment:	U/S Depth :
Location Property with buildings	Tape number :	D/S MH : MAIN
Inspection Direction: MH4 (D/S) MAIN	Pipe Length 0.60 m	D/S Depth :

Use: Combined	Pipe shape : Circular
Year laid : Z	Pipe size : 150 mm
Purpose : Routine inspection of condition	Pipe material : Vitrified clay
Total length : 3.30 m	Lining :

Comment :

1:500	Position	Code	Observation	Photo	Grade
		MH	Start node type, manhole, reference number : MH4		(Constr) 0
		WL	Water level, 5% of the vertical dimension		(Serv) 0
		LR	Line deviates right, quarter		(Serv) 0
		LD	Line deviates down, full		(Serv) 0
		LR	Line deviates right, quarter		(Serv) 0
		MHF	Finish node type, manhole reference number: MAIN		(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

Place :



Sewer Surveys UK Ltd
 Unit 6, Venture One, Longacre Close
 Sheffield
 Tel: 0114 2513481
 Fax:
 Email: info@sewersurveysuk.co.uk

ΣØ / Main sections / Inspection: 1

Project name :
Dyne House London

Project number :
13/235

Contact :
David Miller

Date :
18/12/2013

Nr.	US MH	DS MH	Date	Road	Tape No.	Material	m	(m)
2	MH3	MH4	18/12/2013	SOUTHWOOD LANE		Vitrified clay	13.90	13.90

Pipe size: CIRCULAR 100 = 13.9 m (13.9 m)

Nr.	US MH	DS MH	Date	Road	Tape No.	Material	m	(m)
3	MH4	MAIN	18/12/2013	SOUTHWOOD LANE		Vitrified clay	3.30	3.30

Pipe size: CIRCULAR 150 = 3.3 m (3.3 m)

Nr.	US MH	DS MH	Date	Road	Tape No.	Material	m	(m)
1	MH1	MH2	18/12/2013	SOUTHWOOD LANE		Vitrified clay	122.90	122.90

Pipe size: CIRCULAR 450 = 122.9 m (122.9 m)

All sections = 140.1 m (140.1 m)

Service / Operational Defects (SRM 4) / Inspection: 1

Project name :
Dyne House London

Project Number :
13/235

Contact :
David Miller

Date :
18/12/2013

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	MH1X	D	C	C 450	18/12/2013	VC	122.90	122.90	3	4	3	0.32	38.65
2	MH3X	U	C	C 100	18/12/2013	VC	13.90	13.90	-	0	1	0	0
3	MH4X	D	C	C 150	18/12/2013	VC	3.30	3.30	-	0	1	0	0

Structural Defects (SRM 4) / Inspection: 1

Project name :
Dyne House London

Project Number :
13/235

Contact :
David Miller

Date :
18/12/2013

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	MH1X	D	C	C 450	18/12/2013	VC	122.90	122.90	5	170	5	6.02	737
2	MH3X	U	C	C 100	18/12/2013	VC	13.90	13.90	-	0	1	0	0
3	MH4X	D	C	C 150	18/12/2013	VC	3.30	3.30	-	0	1	0	0