

Appendices



Environment | Health & Safety | Sustainability

## Appendix A – Limitations



### Limitations

This Report was prepared by Delta-Simons Environmental Consultants Ltd (Delta-Simons) for the sole and exclusive use of the Client and for the specific purpose for which Delta-Simons was instructed. Nothing contained in this Report shall be construed to give any rights or benefits to anyone other than the Client and Delta-Simons, and all duties and responsibilities undertaken are for the sole and exclusive benefit of the Client and not for the benefit of any other party. Delta-Simons does not intend, without its written consent through a formal letter of reliance or warranty, for this Report to be disseminated to any party other than the named Client or to be used or relied upon by any party other than the named Client. Use of the Report by any other party is unauthorised and such use is at the sole risk of the user. Any party using or relying upon this Report, other than the Client, agrees by virtue of its use to indemnify and hold harmless Delta-Simons from and against all claims, losses and damages (of whatsoever nature and howsoever or whensoever arising), arising out of or resulting from the performance of the work by Delta-Simons. Unless explicitly agreed otherwise, in writing, this Report has been prepared under Delta-Simons' Standard Terms and Conditions as included within our proposal to the Client.

The recommendations contained within this Report represent Delta-Simons professional opinions, based upon the information detailed within the Report, exercising the reasonable skill and care to be expected of a professional consultant holding itself out as having the competence, experience and resources necessary for the purpose of carrying out similar work in scope and character to the services performed. The Report needs to be considered in the light of the proposal and associated limitations of scope. The Report needs to be read and considered in full and isolated sections cannot be used without full reference to other elements of the report and any previous works referenced within the Report.

Where Delta-Simons has obtained, reviewed and evaluated information in preparing this Report from the Client and others and Delta-Simons conclusions, opinions and recommendations has been reasonably determined using this information, Delta-Simons does not warrant the accuracy of the third-party information provided to it and cannot be responsible for any opinions which Delta-Simons has expressed, or conclusions which it has reached in reliance upon information which is subsequently proven to be inaccurate.

Site surveys document the conditions encountered at the time of survey only and conditions may change due to natural processes or human intervention. As such, surveys represent an assessment at a specific point in time and Delta-Simons cannot be responsible for adverse conditions which arise or become apparent after the time of the survey or for conditions which sit outside the scope for which the survey or Report was commissioned.

Where intrusive investigations have been completed, information, comments and opinions given in this report are based on the ground conditions encountered during the site work period and on the results of laboratory and field tests performed during the investigation. Ground conditions are inherently variable such that no investigation can be exhaustive to the extent that all adverse conditions are revealed. Conditions may therefore be present beneath the site that were not apparent in the data reviewed or obtained as part of this assessment. It should be noted that groundwater levels vary due to seasonal and other effects and may at times differ to those measured during the investigation. Delta-Simons does not warrant or guarantee that the Site is free of hazardous or potentially hazardous materials or conditions. Where risk assessment is undertaken, this is based upon the standards, guidance and common practice at the time of the assessment and Delta-Simons cannot be responsible for conditions which become apparent following changes in guidance or practice or advancements in scientific knowledge which change the position in relation to assessment of risk.

No aspect of this Report constitutes a design. Where this information is used in design, the designer should verify the information has been used appropriately.

Where budgets are prepared and presented within the Report, these are for information only to indicate the likely magnitude of a cost and do not represent an invitation to treat for the works. All budgets and programmes presented should be reviewed and verified by appropriately qualified and experienced independent Project Managers and Cost Consultants.



## Appendix B – Selected Historical Maps



## **Historical Mapping Legends**

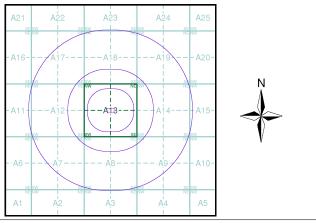
Ordnance	Survey County S	Series 1:10,560	Or	rdnance Surve	y Plan 1	:10,000		1:10,000 Ras	ster Mapp	bing
Grave Pit	el Sand Pit	Other Million Pits	En and and and and and and and and and an	. Chalk Pit, Clay Pit or Quarry	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S∂ Gravel Pit		Gravel Pit		Refuse tip or slag heap
C Quarr	ry Shingle	Orchard		Sand Pit	, 	<ul> <li>Disused Pit</li> <li>or Quarry</li> </ul>		Rock		Rock (scattered)
<u>پ</u> <sup>*</sup> / <sup>*</sup> /	rs	Marsh		Refuse or Slag Heap		Lake, Loch or Pond		Boulders	0 0 0 0	Boulders (scattered)
4 2 5 4 5 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		107 207 207 127 107 207 207		Dunes	°°°°°	p Boulders		Shingle	Mud	Mud
Mixed Wood	Deciduous	Brushwood	* * *	Coniferous Trees	ဂ် ဂု ဂိ	Non-Coniferous Trees	Sand	Sand		Sand Pit
		and a start of start	<b>ф</b>	Orchard Ω ດ_	Scrub	۲ <sub>м</sub> Coppice	1111111	Slopes	لللللللللل	Top of cliff Underground
Fir	آتي منگر Furze	Rough Pasture	ਜ ਜੀ ਜ	Bracken SMULL	Heath '	, , , , , Rough Grassland		General detail - O∨erhead detail		detail Narrow gauge railway
	row denotes▲ ⊮ of water	Trigonometrical Station	<u></u>	Marsh	Reeds	<u>ా</u> ట- Saltings		Multi-track railway		Single track railway
•	e of Antiquities 🔹 🛧	Bench Mark		Direct	tion of Flow of V	Water	_•_•	County boundary (England only) District, Unitary,	•••••	Ci∨il, parish or community boundary
• Sig	mp, Guide Post, gnal Post rface Level	Well, Spring, Boundary Post		Glasshouse	**	Sand		Metropolitan, London Borough boundary		Constituency boundary
Sketched	Instrum Contou	200		Sloping Masonry	Pylon — — 🗆 — · Pole	<ul> <li>Electricity</li> <li>Transmission</li> <li>Line</li> </ul>	۵ <sup>۵</sup> **		۵۵ ۵۵	Non-coniferou trees
Main Roads	Fenced Minor F	Fenced Un-Fenced	Cutting	Embankme		-	ې م	Non-coniferous trees (scattered) Coniferous	** **	Coniferous trees Positioned
	Un-Fenced Sunken Road	Raised Road				Multiple Track	↑ ↑ ¢ ¢	trees (scattered)	<u>A</u>	tree
an indiana filing firms	Road over Railway	Railway over River	Road ' ''∏ Under	I''' Road /∕ Leve Over Crossi		Single Track Siding, Tramway or Mineral Line	چ چ چ چ	Orchard Rough	Щ. Ді	or Ösiers
	Railway over	Level Crossing	-++	+ + + + +	+ + +	+ Narrow Gauge	ູ ເປັນ ເປັນ 00-	Grassland		Heath Marsh, Salt
	Road /	Road over		— Geographical Cou	ounty, County B	Borough	0n_	Scrub	_ <u>√</u> /∠	Marsh or Reed
	River or Canal Road over	) Stream		or County of City Municipal Boroug Burgh or District	gh, Urban or Ru	ıral District,	MHW(S)	Water feature Mean high	<−− MLW(S)	Flow arrows Mean low
/	Stream County Boundary (Geogra	aphical)		Shown only when no	ot coincident with o	other boundaries		water (springs) Telephone line		water (springs Electricity
	County & Civil Parish Bou	•		_		of boundaries occurs		(where shown) Bench mark	+-	transmission li (with poles) Triangulation
<b>+</b> · <b>+</b> · <b>+</b> · <b>+</b>	Administrati∨e County & 0	_	Ch (	Boundary Post or Stone Church Club House	PO F	Police Station Post Office Public Convenience	← BM 123.45 m	where shown) Point feature	Δ	Triangulation station
Co. Boro. Bdy.	County Borough Boundar		F E Sta F	Fire Engine Station Foot Bridge	PH F	Public Convenience Public House Signal Box	•	(e.g. Guide Post or Mile Stone)		Pylon, flare st or lighting tow
-		ocolianoj		Fountain		Spring				
Co. Burgh Bdy.	Rural District Boundary	,	GP (	Guide Post Mile Post	тсв	Telephone Call Box Telephone Call Post	•	Site of (antiquity)		Glasshouse

## deltasimons

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1886 - 1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1906	4
Lincolnshire	1:10,560	1948	5
Ordnance Survey Plan	1:10,000	1956	6
Ordnance Survey Plan	1:10,000	1966	7
Ordnance Survey Plan	1:10,000	1981 - 1984	8
10K Raster Mapping	1:10,000	2000	9
10K Raster Mapping	1:10,000	2006	10
VectorMap Local	1:10,000	2021	11

### Historical Map - Slice A



### **Order Details**

Order Number: Customer Ref: 12-0310.03 National Grid Reference: 491370, 359650 Slice: Site Area (Ha): Search Buffer (m):

284310589\_1\_1 А 0.45 1000

### Site Details

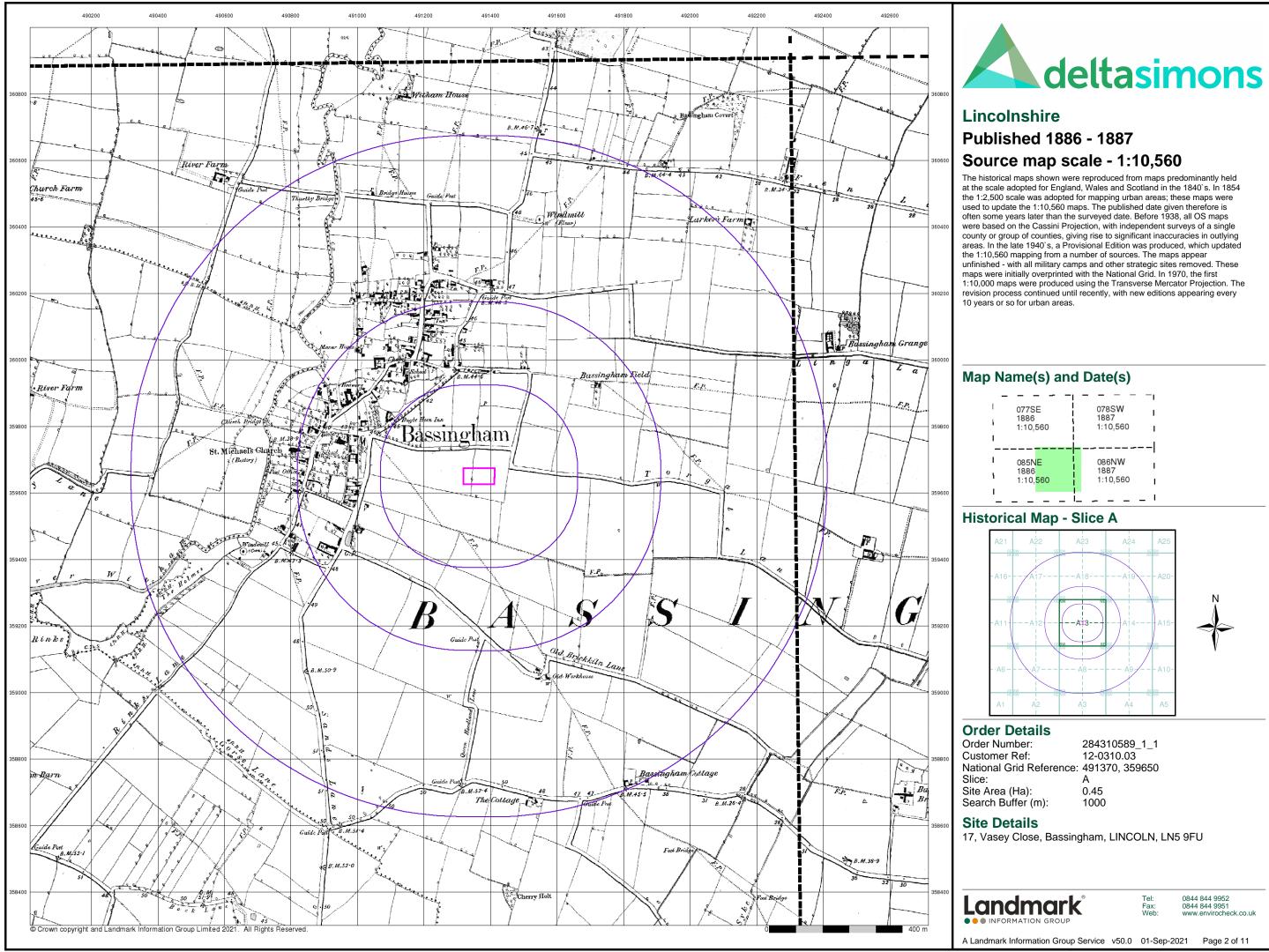
17, Vasey Close, Bassingham, LINCOLN, LN5 9FU

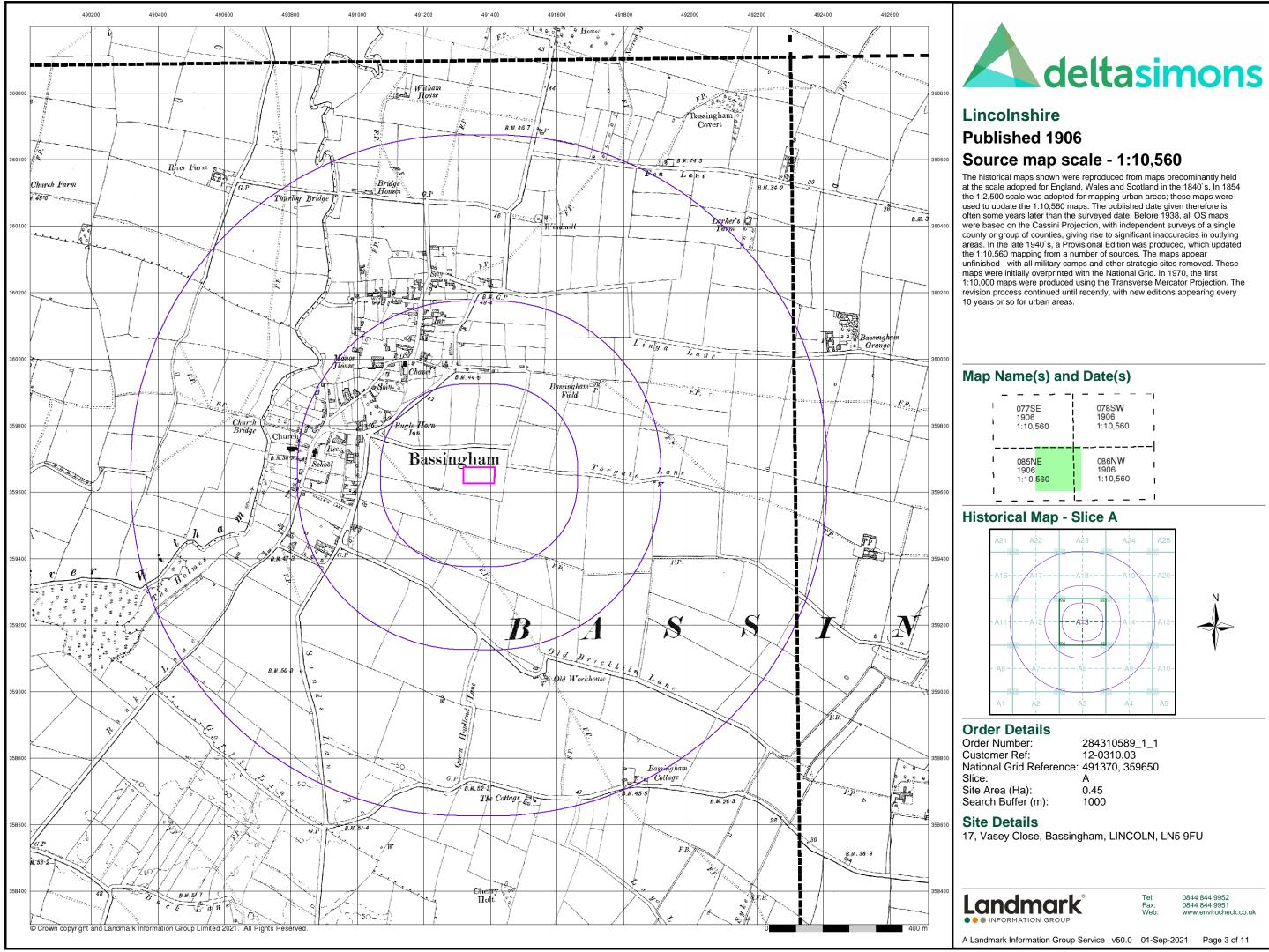


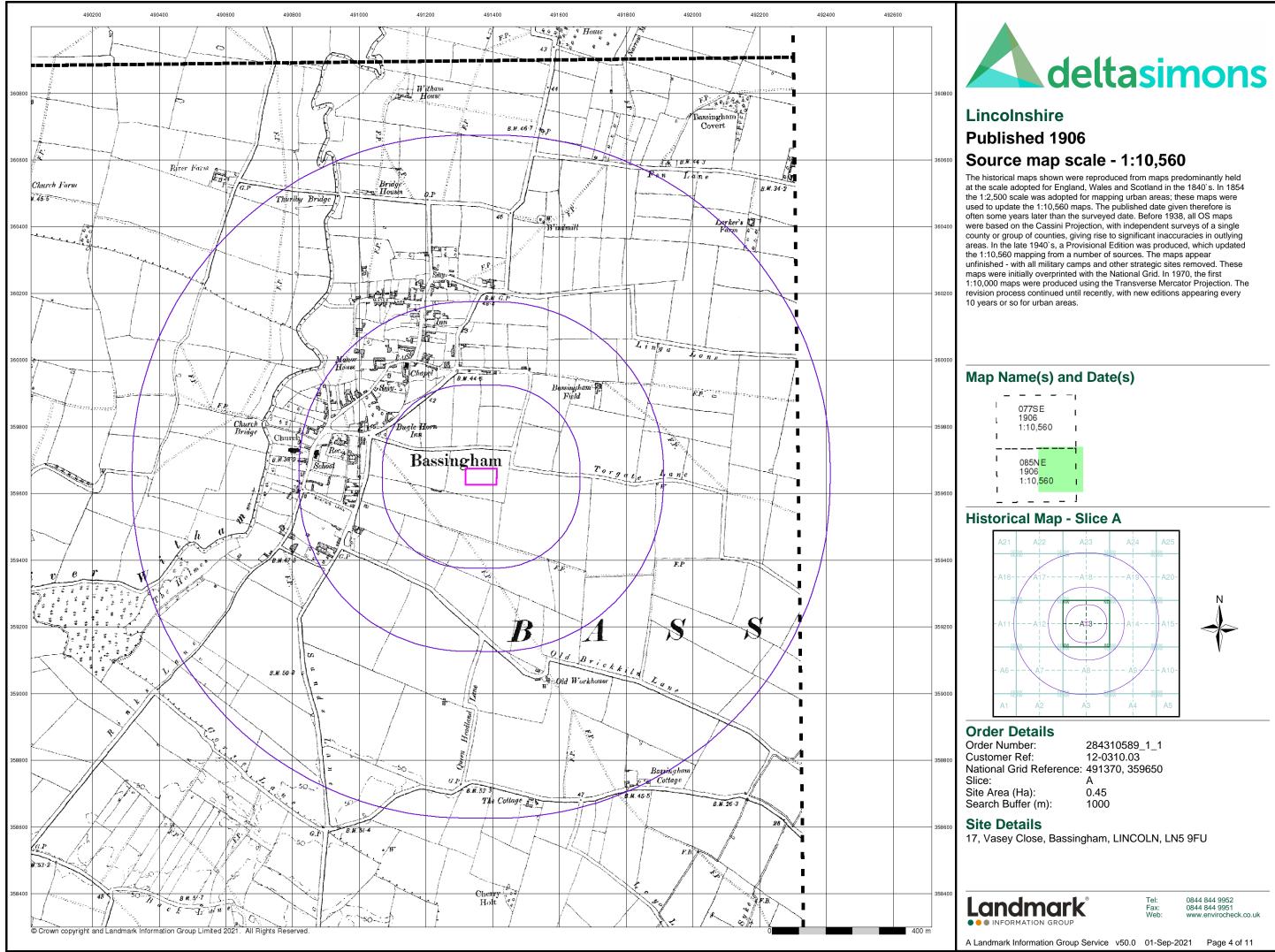
0844 844 9952 0844 844 9951 www.envirocheck.co.uk

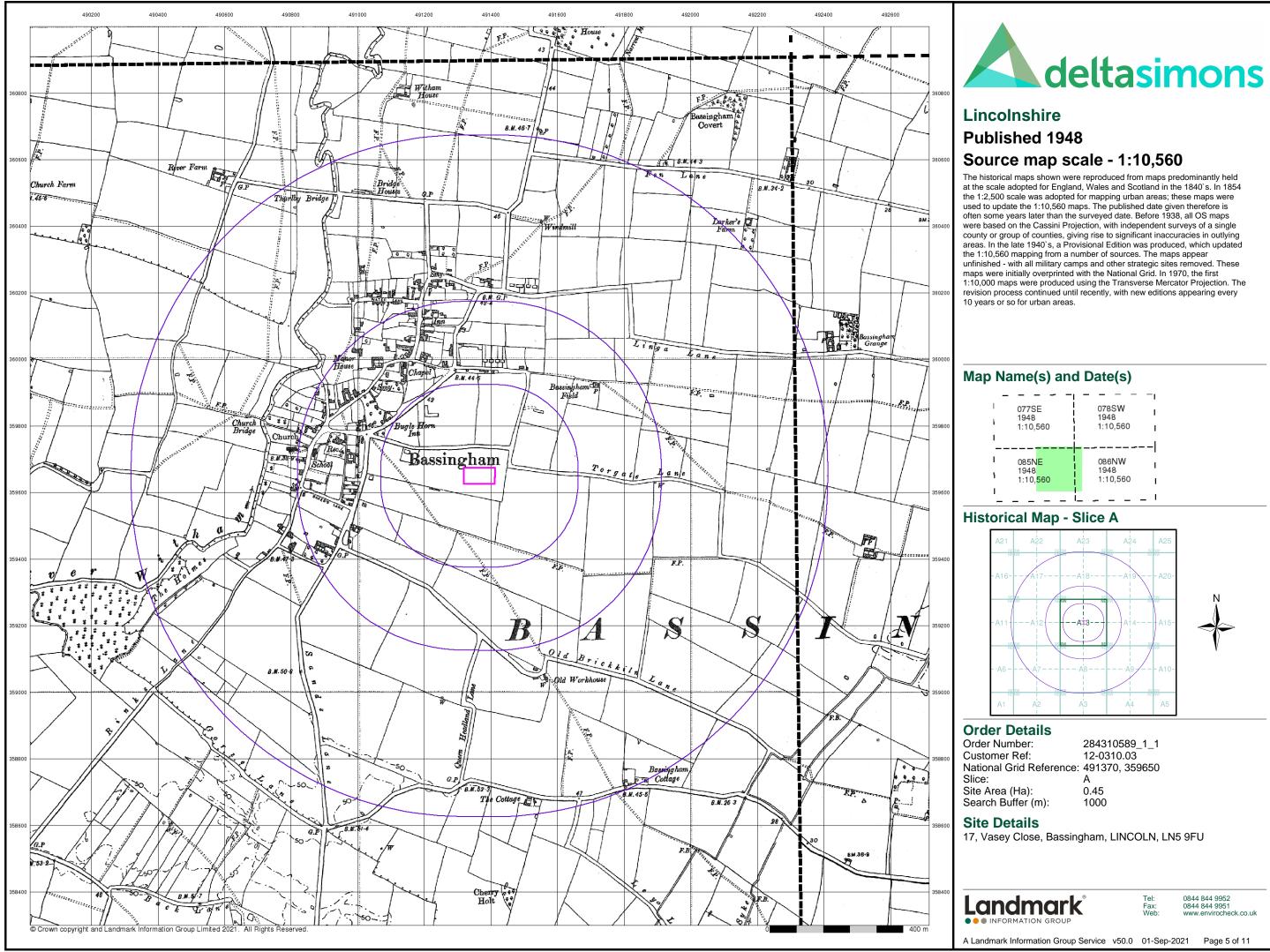
Tel: Fax: Web:

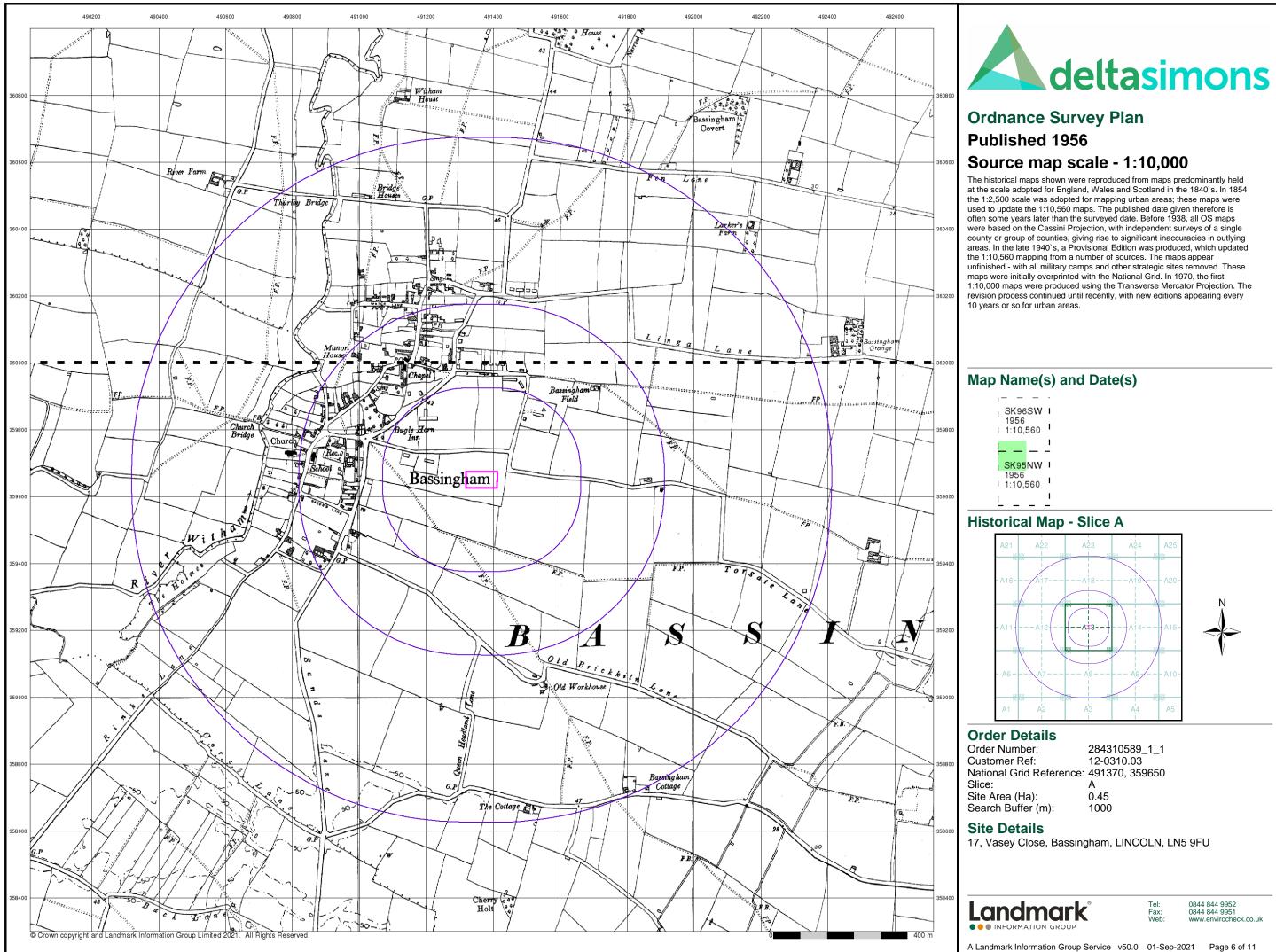
A Landmark Information Group Service v50.0 01-Sep-2021 Page 1 of 11

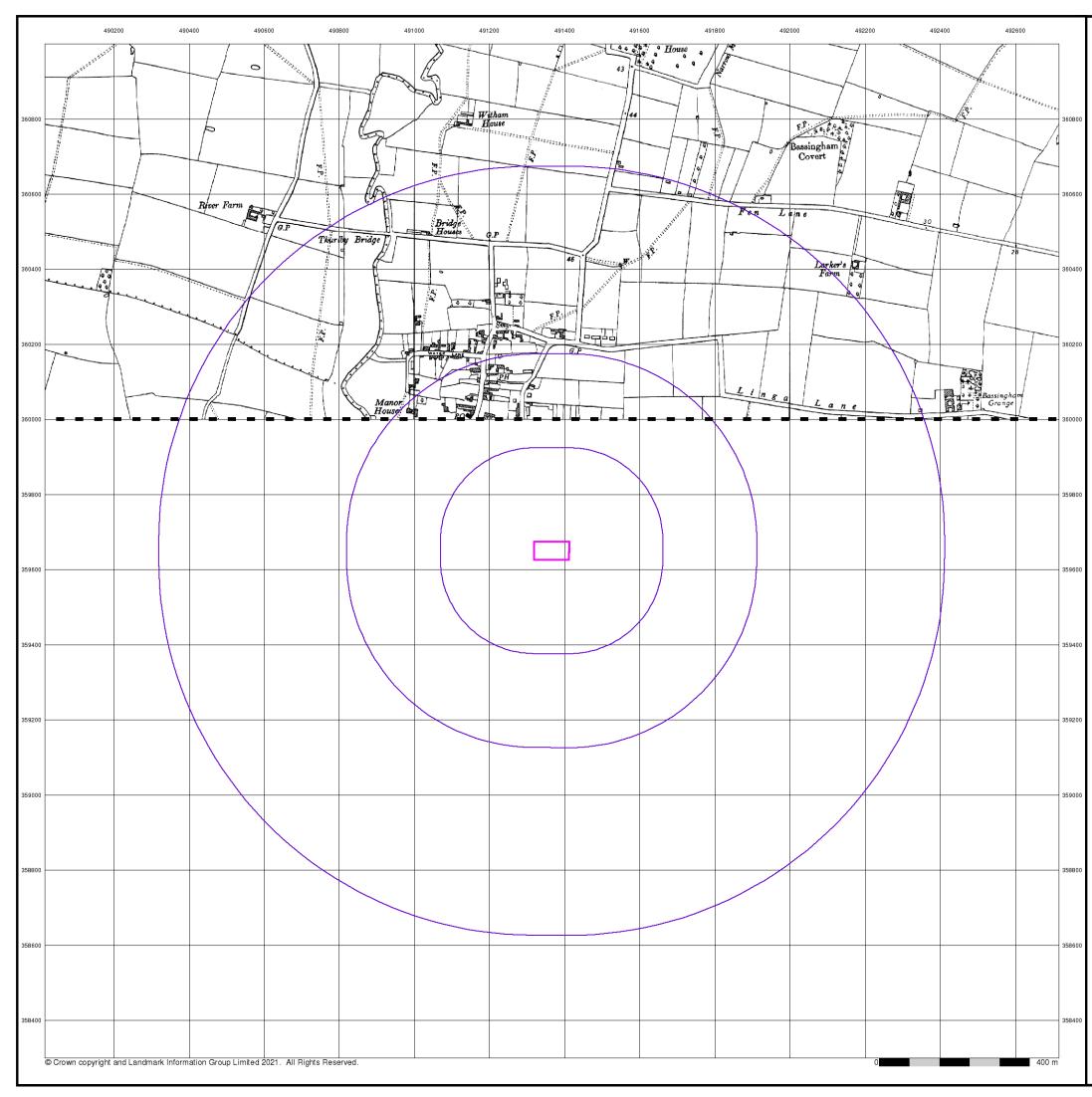








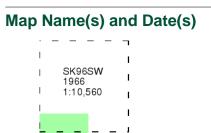




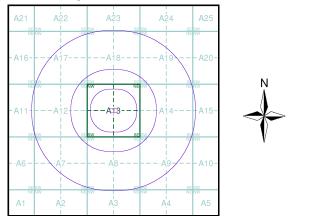
## **Ordnance Survey Plan** Published 1966

## Source map scale - 1:10,000

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



### **Historical Map - Slice A**



### **Order Details**

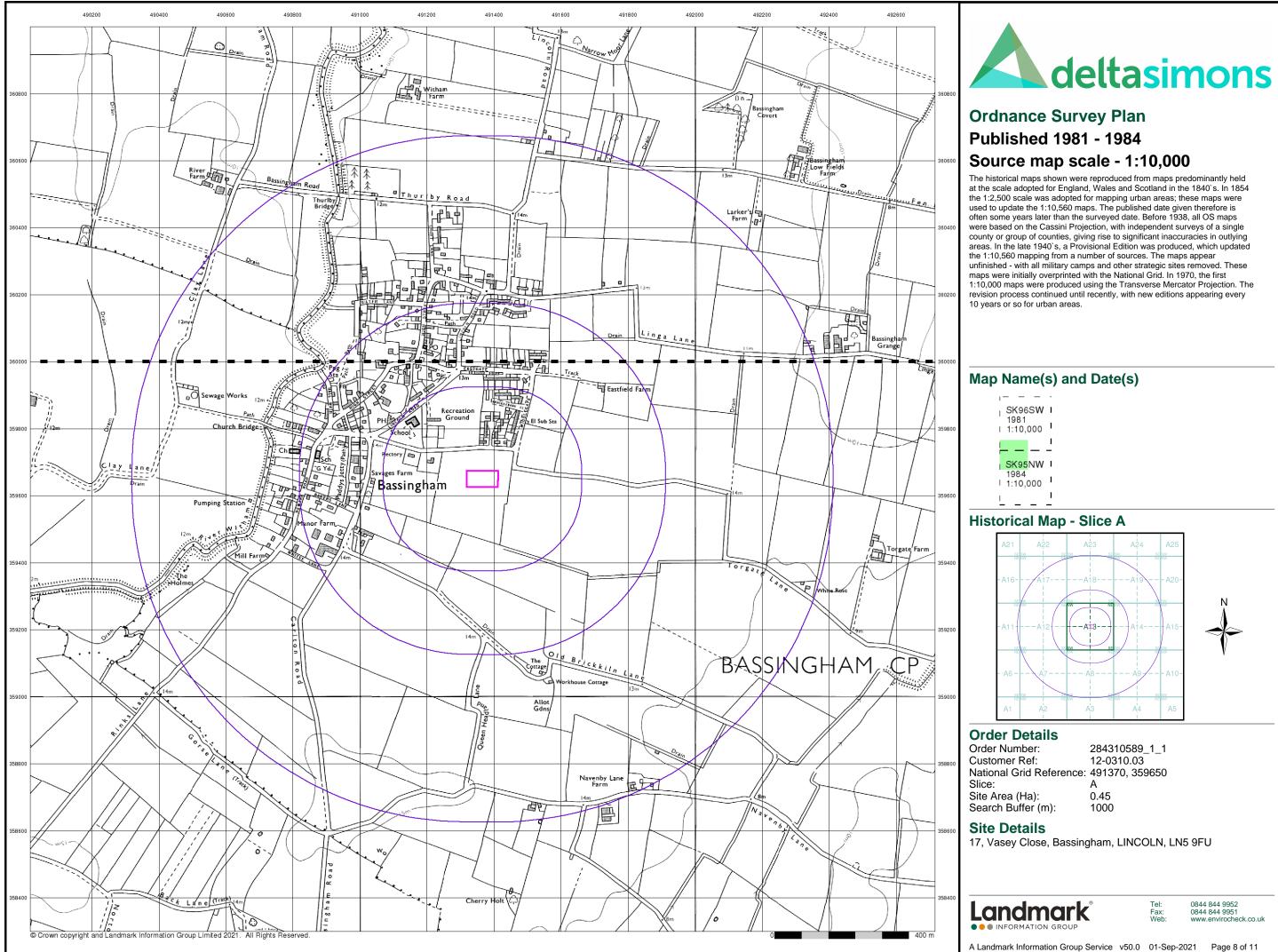
Order Number: Customer Ref: National Grid Reference: 491370, 359650 Slice: Site Area (Ha): Search Buffer (m):

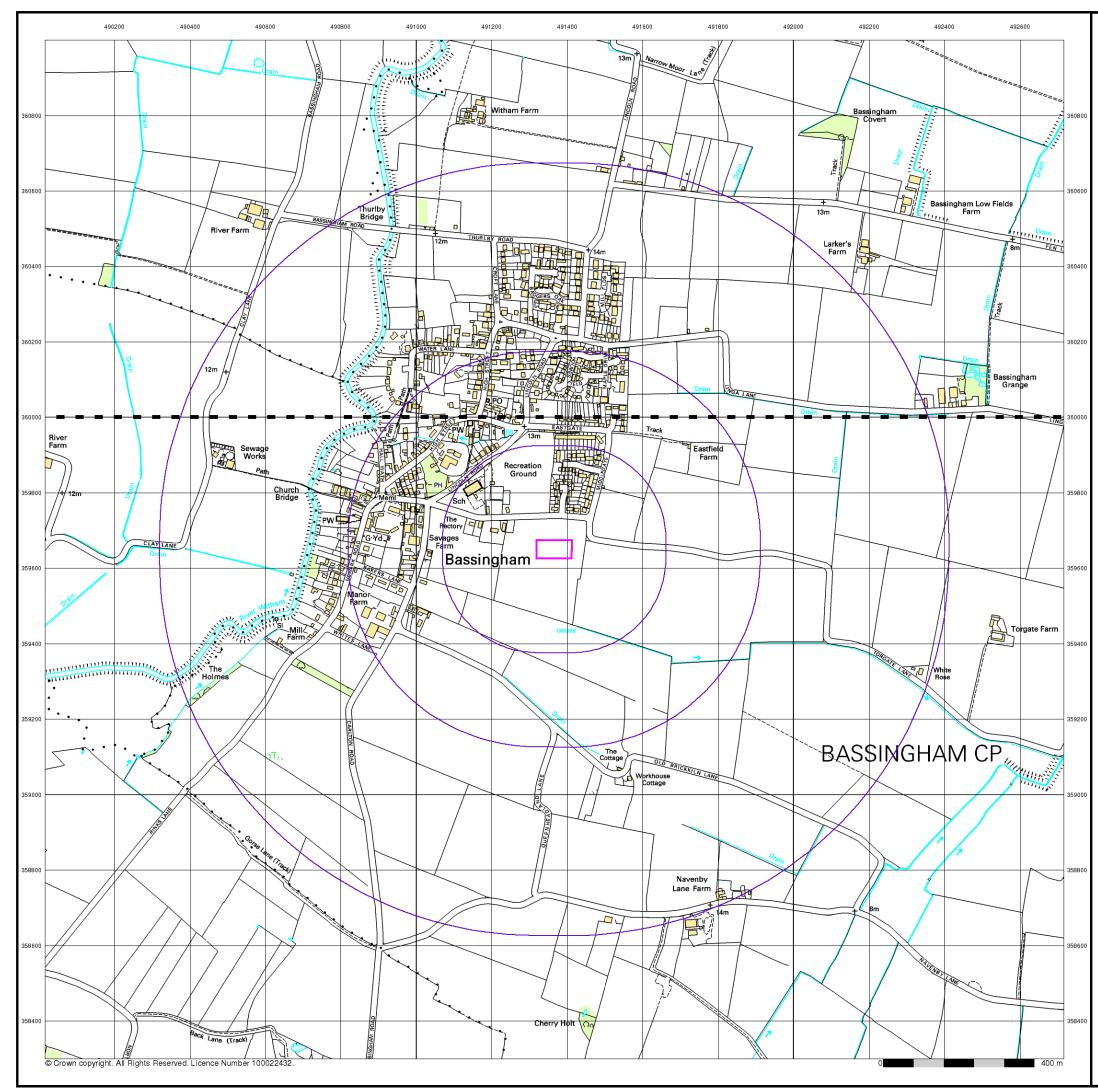
284310589\_1\_1 12-0310.03 А 0.45 1000

### Site Details

17, Vasey Close, Bassingham, LINCOLN, LN5 9FU







## **10k Raster Mapping**

### Published 2000

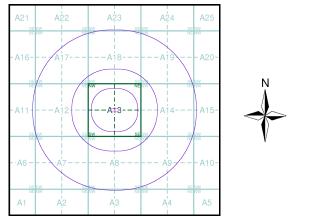
## Source map scale - 1:10,000

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)

SK96SW 1 2000 I 1:10,000 \_ \_ \_ SK95NW I 2000 | 1:10,000 | 

### **Historical Map - Slice A**



### **Order Details**

Order Number: Customer Ref: National Grid Reference: 491370, 359650 Slice: Site Area (Ha): Search Buffer (m):

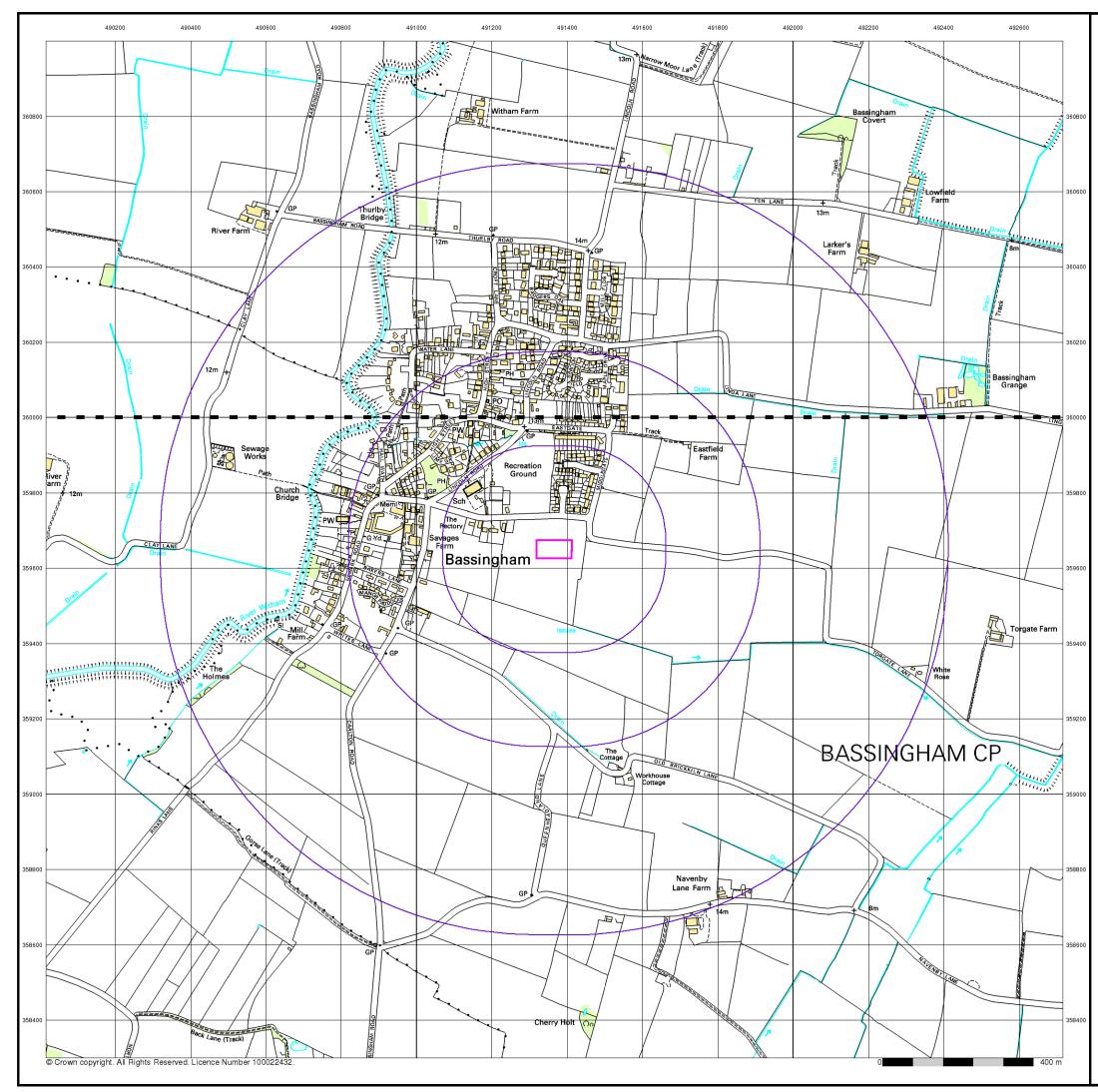
284310589\_1\_1 12-0310.03 А 0.45 1000

### Site Details

17, Vasey Close, Bassingham, LINCOLN, LN5 9FU



Tel: Fax: Web:



## **10k Raster Mapping**

### Published 2006

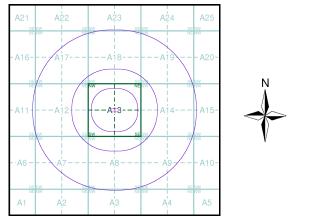
## Source map scale - 1:10,000

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)

SK96SW 1 2006 I 1:10,000 \_ \_ \_ SK95NW I 2006 1 1:10,000 1 

### **Historical Map - Slice A**



### **Order Details**

Order Number: Customer Ref: National Grid Reference: 491370, 359650 Slice: Site Area (Ha): Search Buffer (m):

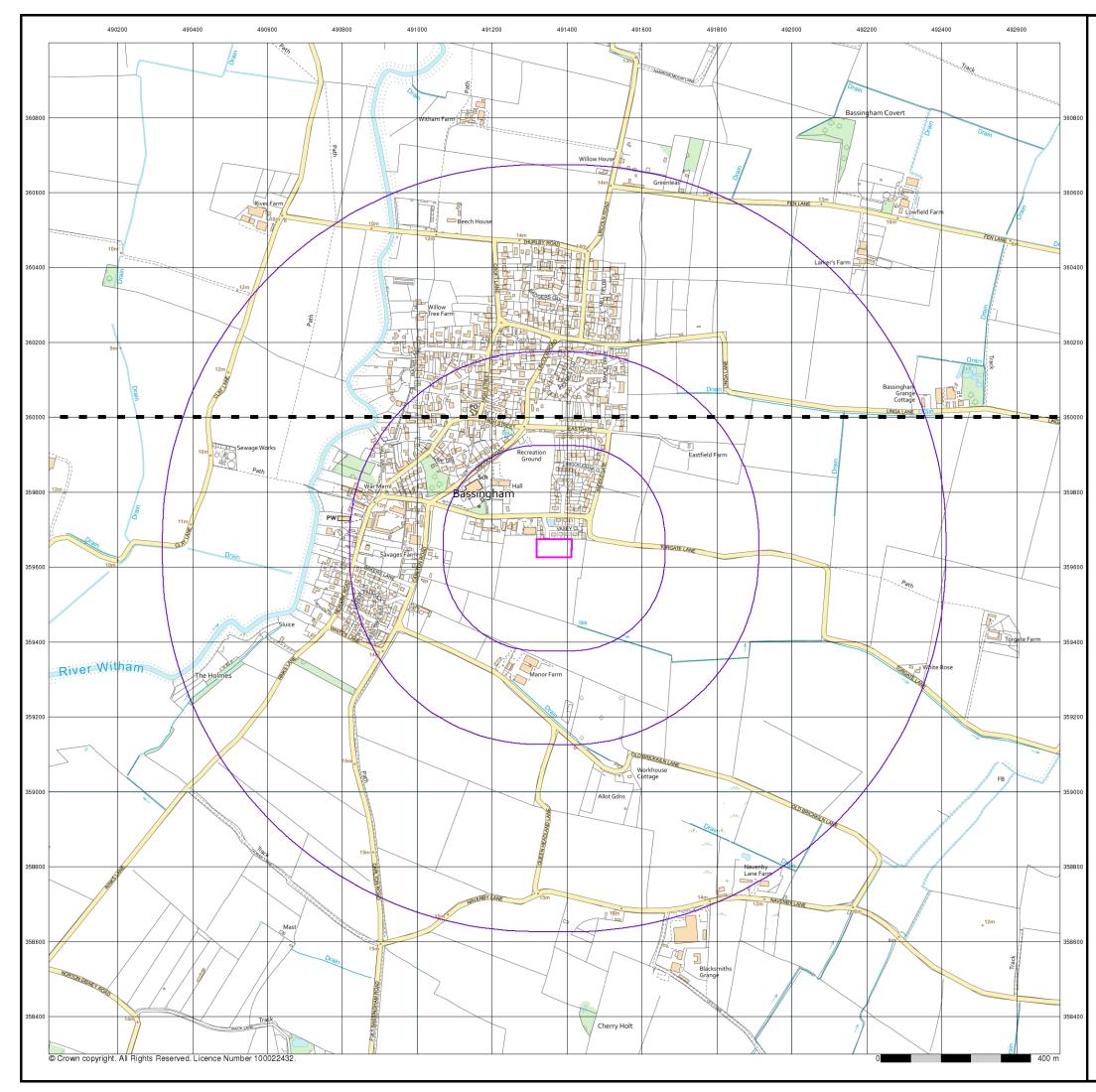
284310589\_1\_1 12-0310.03 А 0.45 1000

### Site Details

17, Vasey Close, Bassingham, LINCOLN, LN5 9FU



Tel: Fax: Web:



## VectorMap Local Published 2021

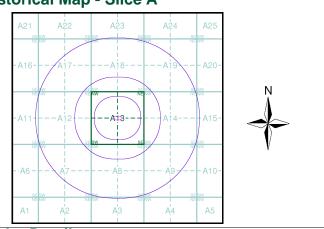
## Source map scale - 1:10,000

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)

1- - -SK96SW I 2021 Variable SK95NW 2021 Variable

### Historical Map - Slice A



### **Order Details**

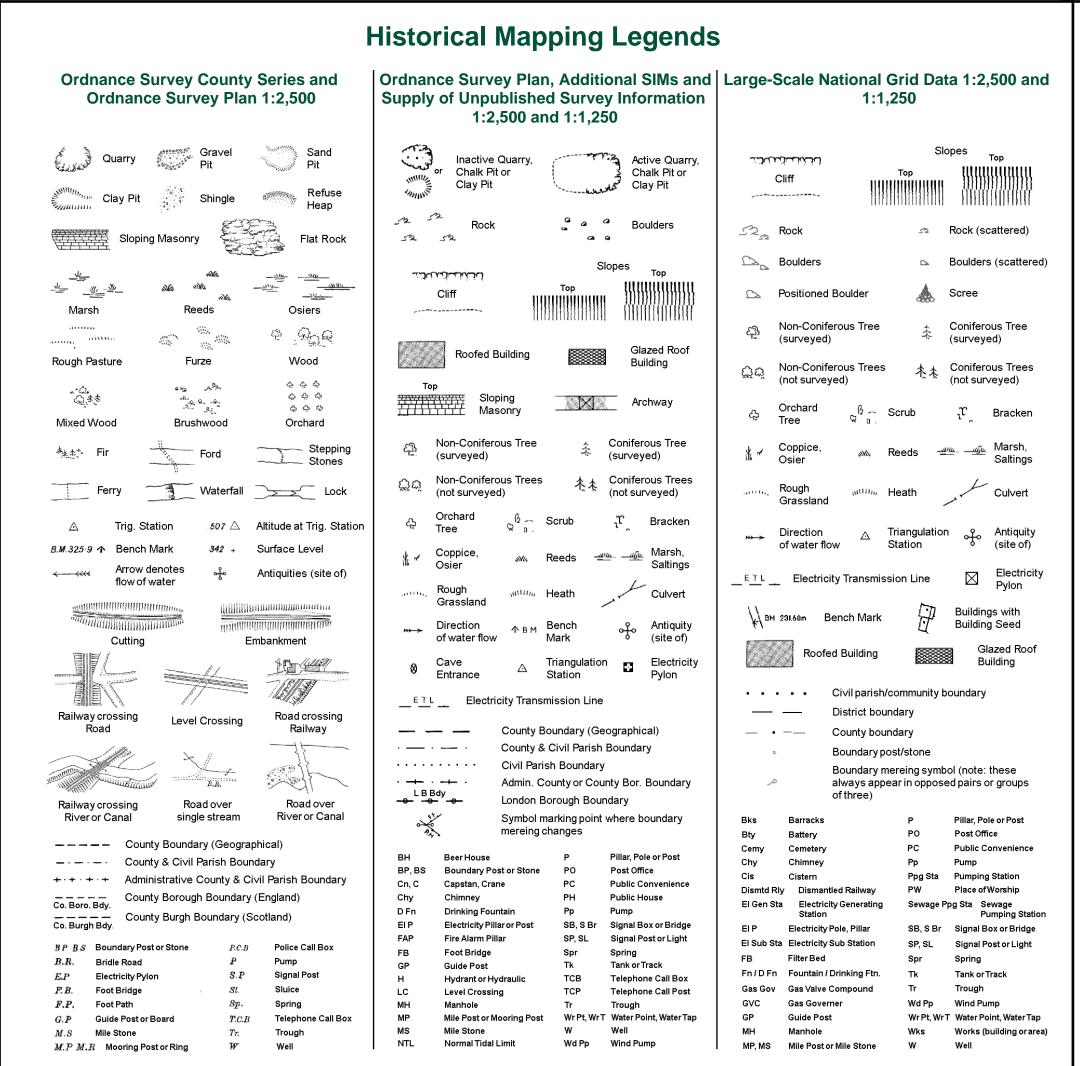
Order Number: Customer Ref: National Grid Reference: 491370, 359650 Slice: Site Area (Ha): Search Buffer (m):

284310589\_1\_1 12-0310.03 А 0.45 1000

### Site Details

17, Vasey Close, Bassingham, LINCOLN, LN5 9FU





### Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1887	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1976	4
Large-Scale National Grid Data	1:2,500	1994	5
Historical Aerial Photography	1:2,500	1999	6

### Historical Map - Segment A13

A21 sesw Nenw		SE SW NE NW		SE SW NE NW	A24	A25	
-A16	-A17		-A18		-A19-	A20-	
SE SW NE NW		SEISW NE <b>NW</b>		NENW		SEISW NEINW	N A
A11	-A12-·		(A18)-		-A14-	A15-	
SE SW NE NW		SE BW NE NW		SE SW NENW		SE SW NE NW	V
• A6	- · A7 - ·		- • A8		- · A9 - ·	A10-	
SE SW NE NW	Å2	SE SW NE NW	A3	SE SW NE NW	A4	sesw NENW A5	

### **Order Details**

Order Number:	284310589_1_1
Customer Ref:	12-0310.03
National Grid Reference:	491370, 359650
Slice:	A
Site Area (Ha):	0.45
Search Buffer (m):	100

### Site Details

17, Vasey Close, Bassingham, LINCOLN, LN5 9FU

A Landmark Information Group Service v50.0 01-Sep-2021

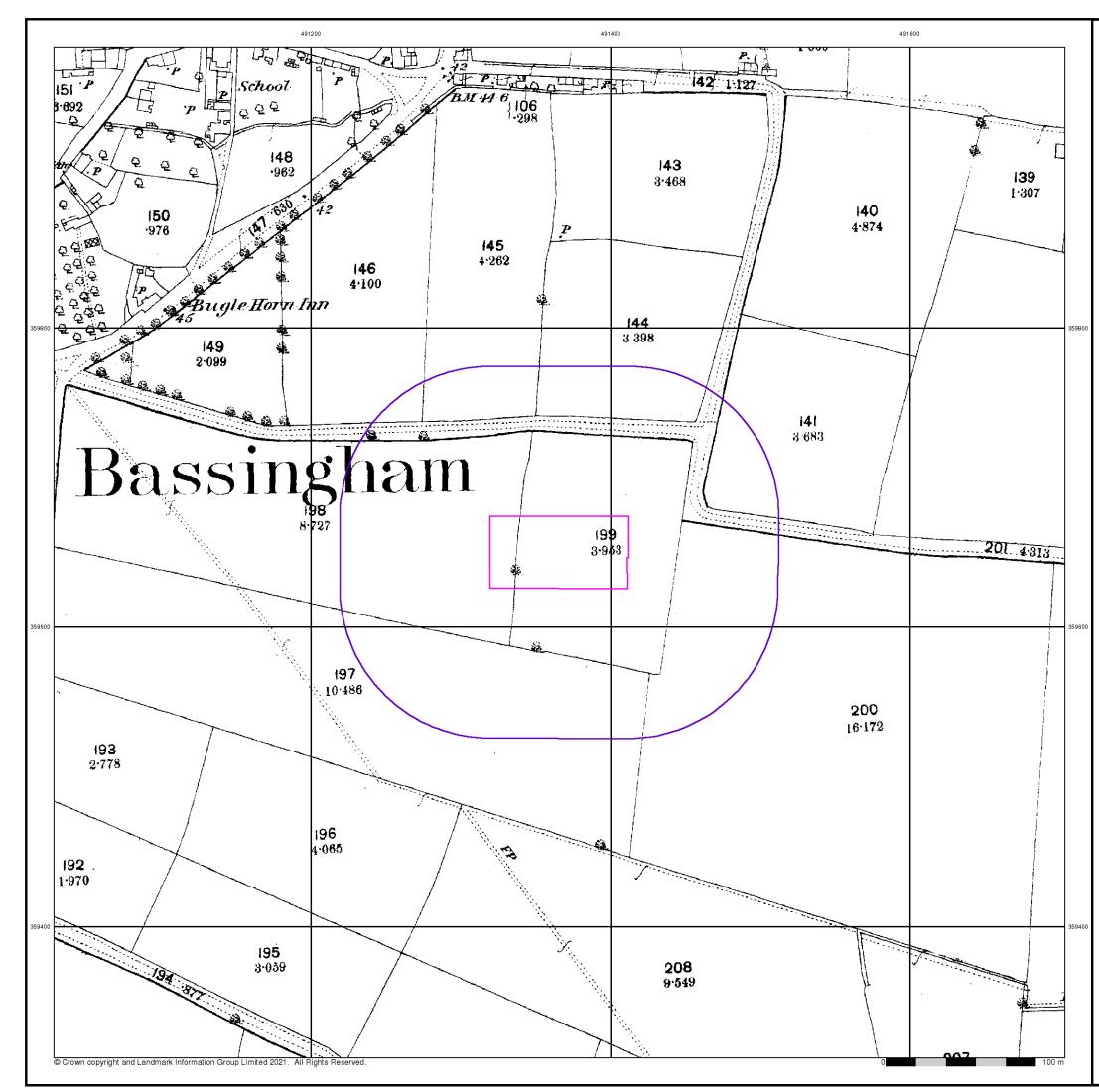


0844 844 9952 0844 844 9951 www.envirocheck.co.uk

Tel

Fax: Web

Page 1 of 6



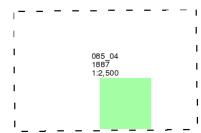
### Lincolnshire

## Published 1887

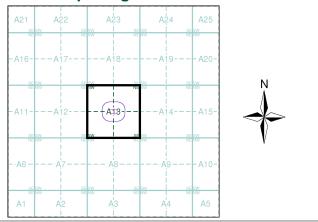
## Source map scale - 1:2,500

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**

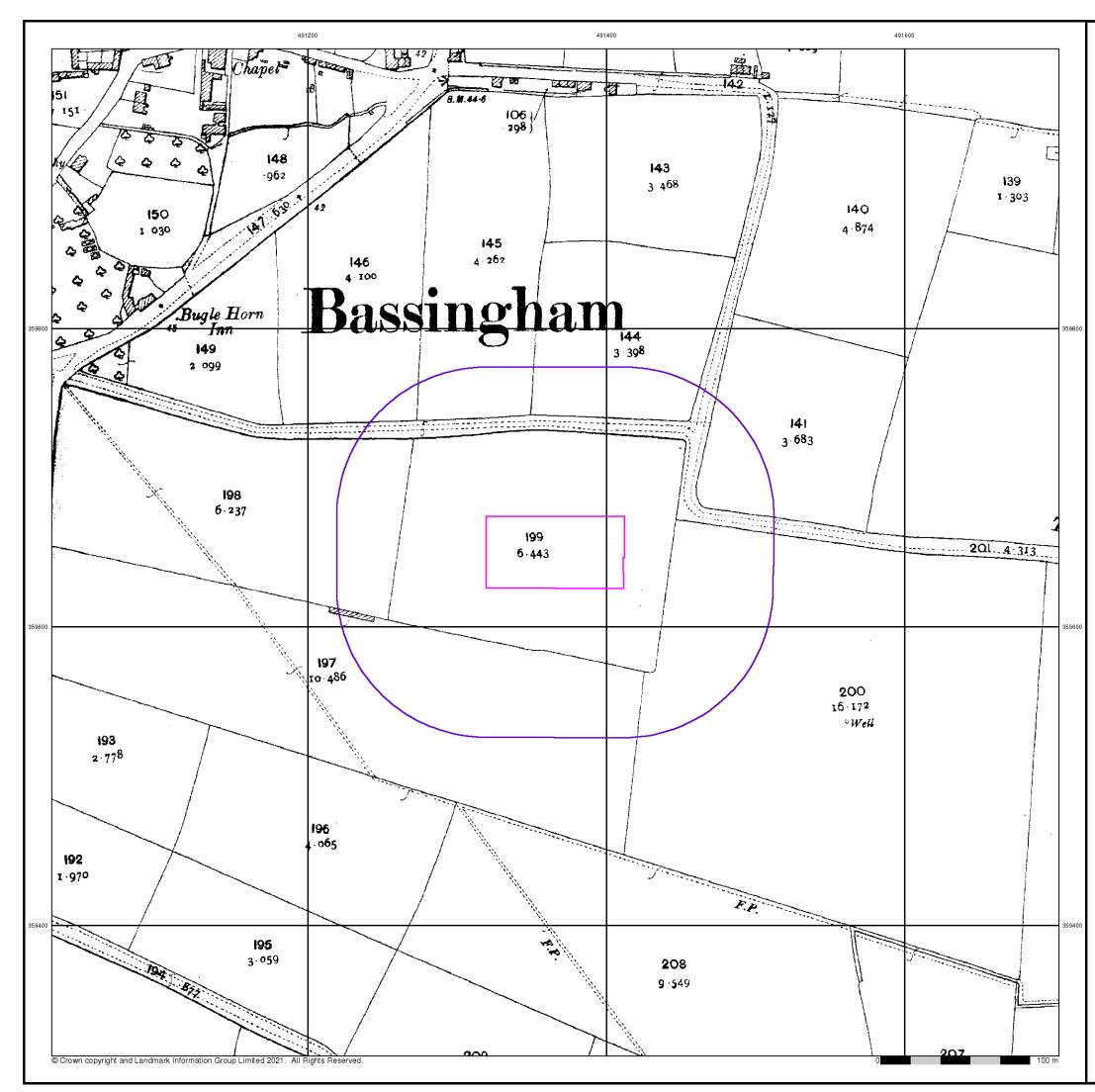
Order Number:	284310589_1_1
Customer Ref:	12-0310.03
National Grid Reference:	491370, 359650
Slice:	Α
Site Area (Ha):	0.45
Search Buffer (m):	100

### Site Details

17, Vasey Close, Bassingham, LINCOLN, LN5 9FU







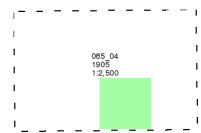
### Lincolnshire

## Published 1905

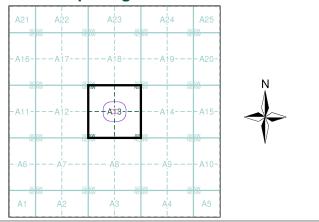
## Source map scale - 1:2,500

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:	284310589_1_1
Customer Ref:	12-0310.03
National Grid Reference:	491370, 359650
Slice:	Α
Site Area (Ha):	0.45
Search Buffer (m):	100

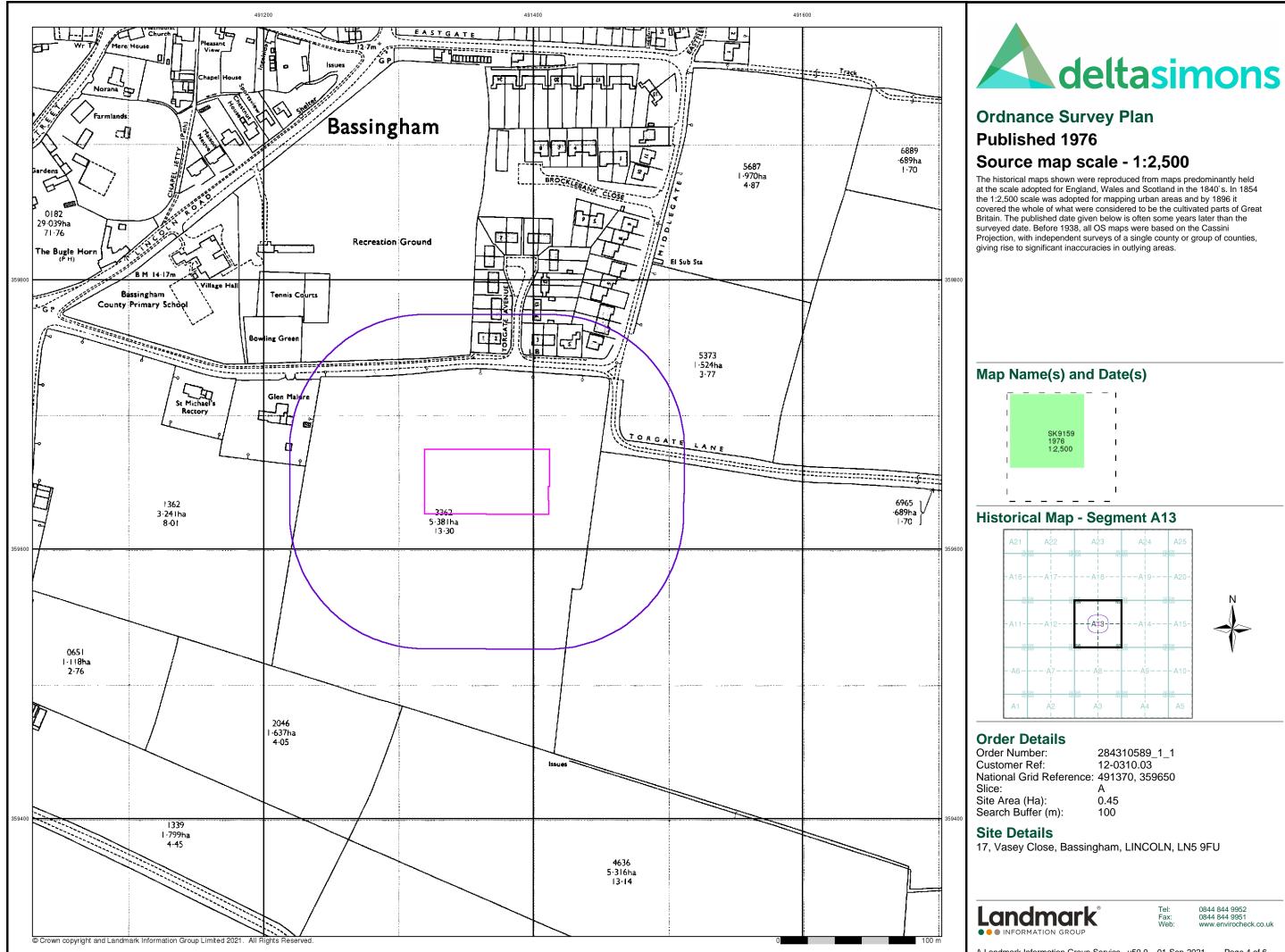
### Site Details

17, Vasey Close, Bassingham, LINCOLN, LN5 9FU

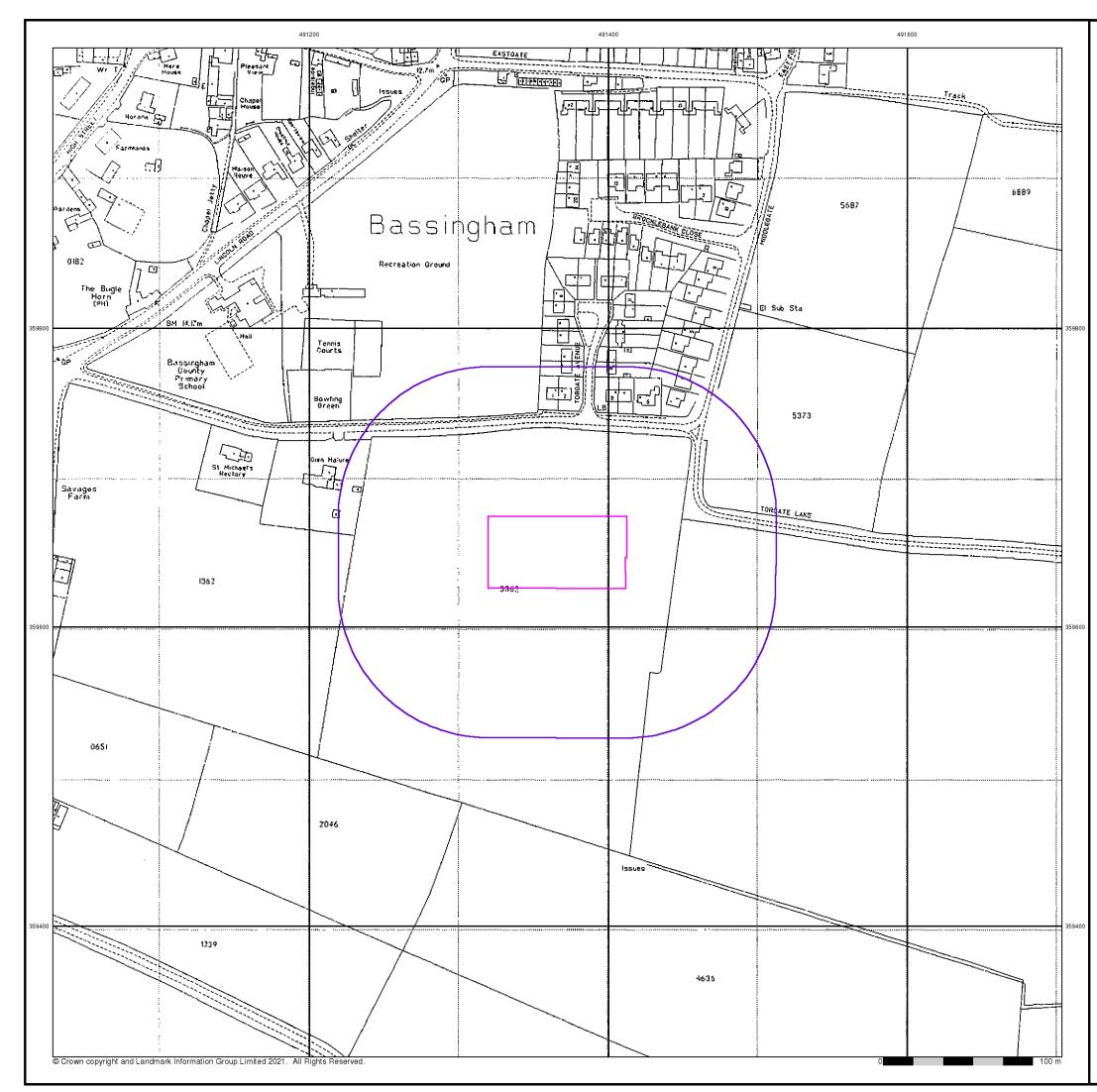




Tel: Fax: Web:



Order Number:	284310589_1_1
Customer Ref:	12-0310.03
National Grid Reference:	491370, 359650
Slice:	Α
Site Area (Ha):	0.45
Search Buffer (m):	100



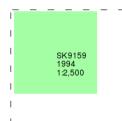
## Large-Scale National Grid Data

## Published 1994

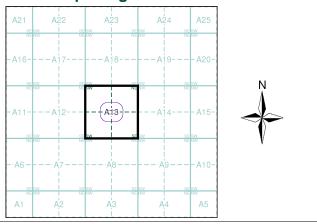
## Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### **Historical Map - Segment A13**



### **Order Details**

Order Number:	284310589_1_1
Customer Ref:	12-0310.03
National Grid Reference:	491370, 359650
Slice:	A
Site Area (Ha):	0.45
Search Buffer (m):	100

### Site Details

17, Vasey Close, Bassingham, LINCOLN, LN5 9FU



