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Phase 1 Desktop Report

For The Proposed Development

Off Dean Close, Weston

Client Seagate Homes

Date: September 2016
Report: 860/4067/P

PHASE 1 DESKTOP REPORT FOR THE

PROPOSED DEVELOPMENT

OFF DEAN CLOSE WESTON

INDEX OF CONTENTS

		Page.
1.0	**Introduction**	**3**
2.0	**Site Description**	**4**
3.0	**Site History**	**4**
4.0	**Area Environment**	**5**
5.0	**Phase 1 Conclusions and Conceptual Model**	**8**
	5.1 Investigation Recommendations	11
6.0	**Conclusion**	**11**

Appendix A - Site plan and ariel photograph
Appendix B - Historic Maps
Appendix C - Environmental Data

1.0 Introduction

At the request of Seagate Homes, Humberside Materials Laboratory Limited were engaged to undertake a phase 1 desktop study for the proposed development off Dean Close in Weston near Spalding. The aim of the investigation is to assess the environmental settings for potential contamination on the site and produce an initial conceptual model.

When assessing the environmental risks of the site the following definitions are used: -

Very Low.	It is very unlikely that there is a risk associated with the site.
Low.	It is unlikely that there is a risk associated with the site.
Medium.	The previous/current uses of the property have or are of a nature, which could give rise to a potential risk associated with the site.
High.	The previous/current use is of a nature that will very likely give rise to a risk associated with the site.
Very High.	The previous/current use is of a nature that is most likely to have a risk associated with the site.

The methodology and references used in the compilation of this report includes: -

- BS 5930 - Code of practice for site investigations.
- BS 10175 - Investigation of potentially contaminated sites - Code of practice.
- CLEA documents published by DEFRA and the Environment Agency.

This report is produced solely for Seagate Homes and should only be copied in full. When transmitted electronically the definitive copy of the report is held by Humberside Materials Laboratory Ltd.

2.0 Site Description

The site comprises of part of a field to the northeast of Weston near Spalding. The grid reference for the middle of the site is 529450 325080. The site comprises of 3.67Ha of agricultural land. Access to the site is currently off Delgate Bank.

The A151 passes the site to the north. To the west is Dean Close off Small Drove which was constructed in circa 2009. The site is surrounded by open fields and residential housing.

The proposed development is for mix of affordable homes, semi-detached and detached houses and bungalows, totalling 60 dwelling with associated infrastructure of adoptable and private roads. The proposed layout plan is included in appendix A. Access will be off Dean Close post development.

A walkover survey was undertaken on 13th September 2016. No evidence was noted to suggest contamination to be present. The site currently has a crop of potatoes growing. Photographs of the general area are presented in appendix A.

3.0 Site History

Historic maps have been obtained dating back to 1887; copies of these are included in appendix B. The relevant details from these are discussed below.

1887 - The site is part of a 17-acre field to the east of Weston.

1906 - As above.

1932 - As above.

1951 - As above. There is a residential estate to the south of the site.

1968 - As above.

1973 - As above.

1987 - The site is as above. Weston has expanded with further residential developments to the south west.

1995 - As above.

2000 - The site remains as above.

2006 - As above

2016 - As above with a housing development to the southwest, Dean Close which was constructed circa 2009.

4.0 Area Environment

An envirocheck search has been obtained and is presented in appendix C. This is reviewed in the following sections.

There are no recorded contaminated land entries for the area.

The nearest discharge consent still current is 143m southwest of the site.

There are no prosecutions relating to controlled waters in the area. There are no enforcement and prohibition notices in the area,

There are no IPC or IPPC in the area. There are no local authority IPPCs or pollution prevention and control enforcements in the area.

The nearest surface water feature is on the edges of the field.

A pollution incident to controlled waters is noted 88m north. Involving crude sewage from a leaking underground pipe in 1997. This was a minor incident. A further minor incident occurred in 1997 314m north of the site.

No prosecutions relating to authorised processes are noted.

There are no radioactive substances registered in the area.

No river quantity data is given in the area.

There are no substantiated pollution incidents registered within 1000m of the site.

There are no ground or surface water extraction noted in the area.

There are no water industry act referrals in the area.

Groundwater vulnerability is not classified. The bedrock aquifer and superficial aquifer are designated as unproductive. The site is not within a source protection zones.

The site is within a flood risk zone.

Only a small section of the site is designated as a risk from surface water flooding, low, 1000-year return. The site is within a flood risk zone, fluvial/tidal model. The site does not benefit from flood defences or flood storage areas.

The map for the river network lines is included in appendix C. This includes drains to the north, east and southern boundaries.

There are no recorded landfill sites or waste management facilities noted in the area.

There are three potentially infilled land (water) noted in the area, but these are over 600m from the site.

There is no COMAH or NIHHS sites in the area.

Reference to the British Geological map for the area indicates the geology to be Terrington beds, alluvium being younger marine deposits of tidal creek and salt marsh, sandy silt, sand and clays. At depth is West Walton, Ampthill and Kimmeridge clay formations.

Estimated soil chemistry sources indicate the following element concentrations for rural soil: -

- Arsenic <15mg/kg
- Cadmium <1.8mg/kg
- Chromium 40-60mg/kg
- Lead <100mg/kg
- Nickel 15-30mg/kg.

Detailed maps with 250m, 500m and 1000m buffer zones from the site are included in appendix C.

There are no BGS recorded mineral sites in the area.

The site is in an area where coal mining might not affect the site. No hazard is given for non-coal mining activity.

Geological hazards are recorded as follows.

Collapsible ground stability	None
Compressible ground stability	Medium
Ground dissolution	None
Landslide ground stability	Very low
Running sand	Medium
Shrinking & swelling clay	Low

The site is in an area with less than 1% of homes above the action level. No radon protection measures are therefore necessary for new homes.

There are no fuel stations in the vicinity of the site.

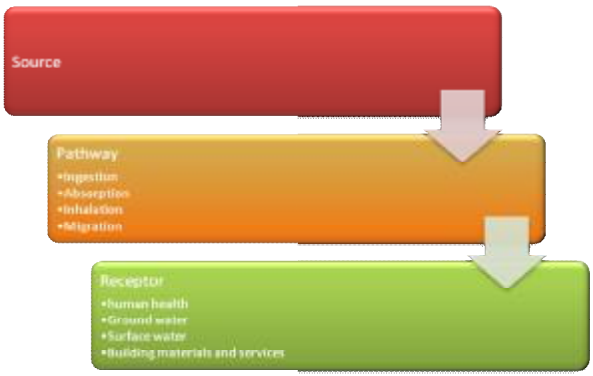
A review of the contemporary trade directory and points of interest does not give any potential sites that would influence the site under investigation.

A site investigation report has been made available for the adjacent Dean Close site, which was part of the same field. Basic contamination testing of metals and PAH was undertaken and did not reveal any contamination values above the limits applicable at that time.

5.0 Phase I Conclusions and Conceptual Model

Reviewing the history of the site regarding potential contamination indicates the site has been fields since before 1887.

The following basic conceptual model is considered for the site.



Site specific conceptual model

The site has been agricultural fields for many years. There is therefore potential for elevated metals associated with pesticides and herbicides. Any historical burning may have occurred in fields and could give rise to PAH contamination.

The contaminants of concern are therefore considered to be metals, organochlorides, organophosphates and PAH. It is noted that a previous investigation in January 2009 did not reveal metals or PAH above the assessment criteria at that time. The analysis for this included metals, PAH and phenol. The data has been reviewed against current assessment criteria and this reveals no contaminants above the assessment criteria. As this constituted part of the field under current investigation it is considered as a guide.

The estimated soil chemistry (natural levels) indicates metals should not be above the site assessment criteria.

Site Conceptual Model					
Source		Pathway		Receptor	
Source type/area	Contaminant - liklyhood	Route	Sub-route		Risk
Agricultural fields	PAH, metals, organochlorides and organophosphates – Low	Ingestion	Soils Indoor dust Outdoor dust Soils attached to vegetation Soil absorbed by vegetation	Human health	high
		Absorption	Dermal contact	Human health	high
		Inhalation	Indoor dust Outdoor dust Indoor vapour Outdoor vapour	Human health	high
		Migration		Groundwater Surface water	low
				Building materials & services	low
Not applicable					
Item		Rational			

Risks

With due consideration to the afore and the conceptual model that it builds up, it is concluded at this stage that there is an overall low risk of contaminants of concern on the site that could pose a significant risk to human health and the environment. Pathways are present and receptors to be considered include young children as the most vulnerable receptors post development with houses and garden areas.

A limited investigation shall initially be undertaken to confirm the site conceptual model.

From the BGS database radon protection measures are not necessary.

5.1 Investigation Recommendations

It is recommended that an initial limited investigation is undertaken to prove the site conceptual model during the geotechnical investigation of the site. Four shallow samples should be taken from the site spread evenly across the site. These should be tested for metals, organochlorides. organophosphates and PAH.

If these initial samples indicate levels below the assessment criteria taken from the LQM/CIEK S4ULs for solid contaminants, then the conceptual model is correct and no further investigation for contamination would be needed.

The above is not definitive. Visual and olfactory evidence will be used during the investigation to amend the sample locations or testing regime where evidence depicts.

6.0 Conclusion

The proposed development is on land that have historically been proven to have been fields since before 1887.

The historic and area environmental settings have been assessed. A conceptual model has been developed for the site. A limited investigation for potential contaminants has been proposed.

Contaminants of concern are considered as metals, PAH, organochlorides and organophosphates.

From the BGS database no radon protection measures are necessary.

This report is prepared on the assumption that all facts have been disclosed. The comments given in this report and the opinions expressed assume that conditions do not vary beyond the range revealed by this study and the information provided in the production of this report is complete and reliable.

M J Green I.Eng F.I.H.I.E.

Appendix A



Google ariel view prior to Dean Close development



View from Small Drove towards High Road



View south from Delgate Bank



View to the west

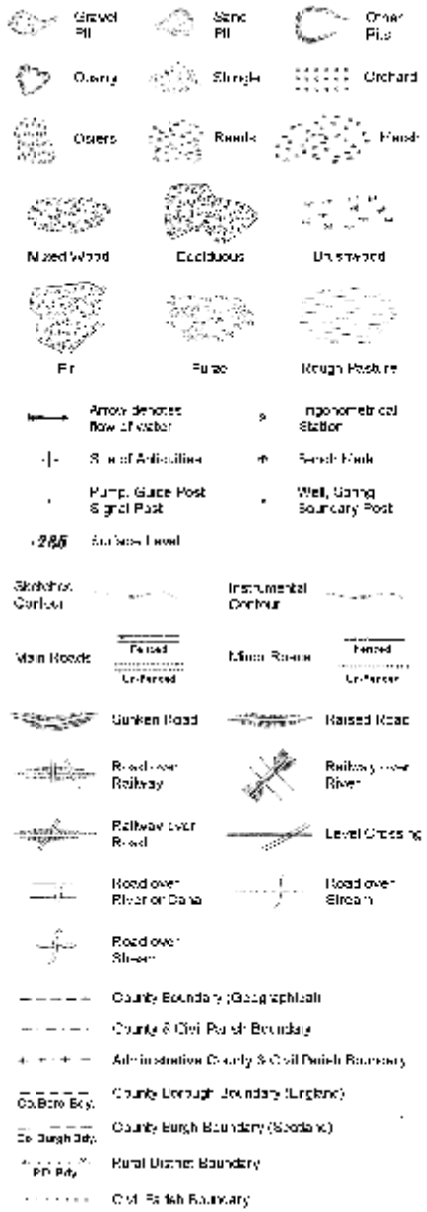


Proposed site layout

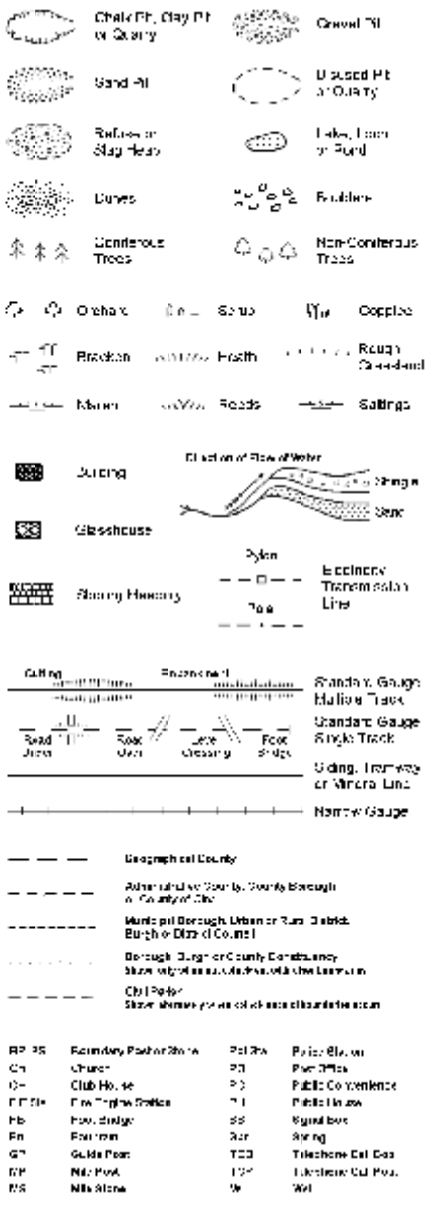
Appendix B

Historical Mapping Legends

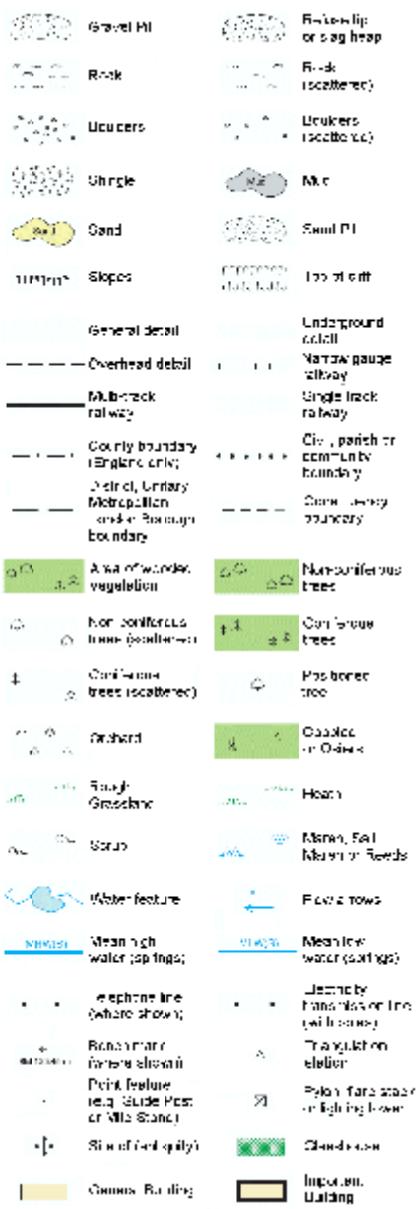
Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



1:10,000 Raster Mapping

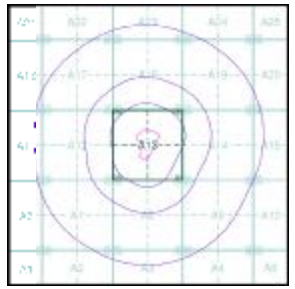




Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1906	4
Lincolnshire	1:10,560	1906	5
Lincolnshire	1:10,560	1932	6
Lincolnshire	1:10,560	1932	7
Lincolnshire	1:10,560	1932	8
Lincolnshire	1:10,560	1938 - 1951	9
Lincolnshire	1:10,560	1951	10
Ordnance Survey Plan	1:10,000	1956 - 1958	11
Ordnance Survey Plan	1:10,000	1968	12
Ordnance Survey Plan	1:10,000	1971 - 1977	13
Ordnance Survey Plan	1:10,000	1989	14
Ordnance Survey Plan	1:10,000	1990 - 1992	15
10K Raster Mapping	1:10,000	2000	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2016	18

Historical Map - Slice A



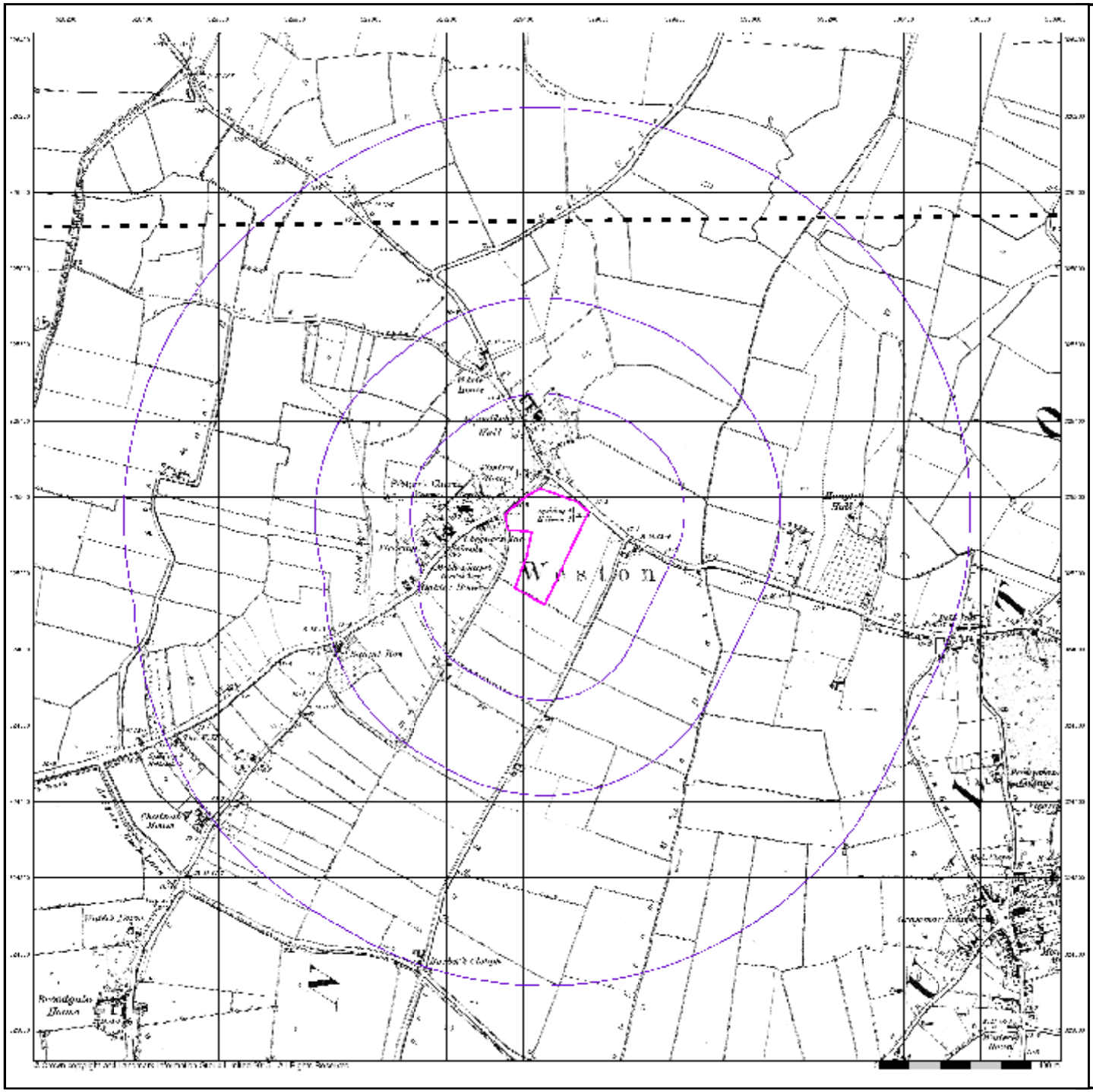
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Search Buffer (m): 1000

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

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



Lincolnshire

Published 1887

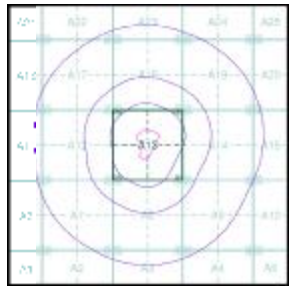
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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



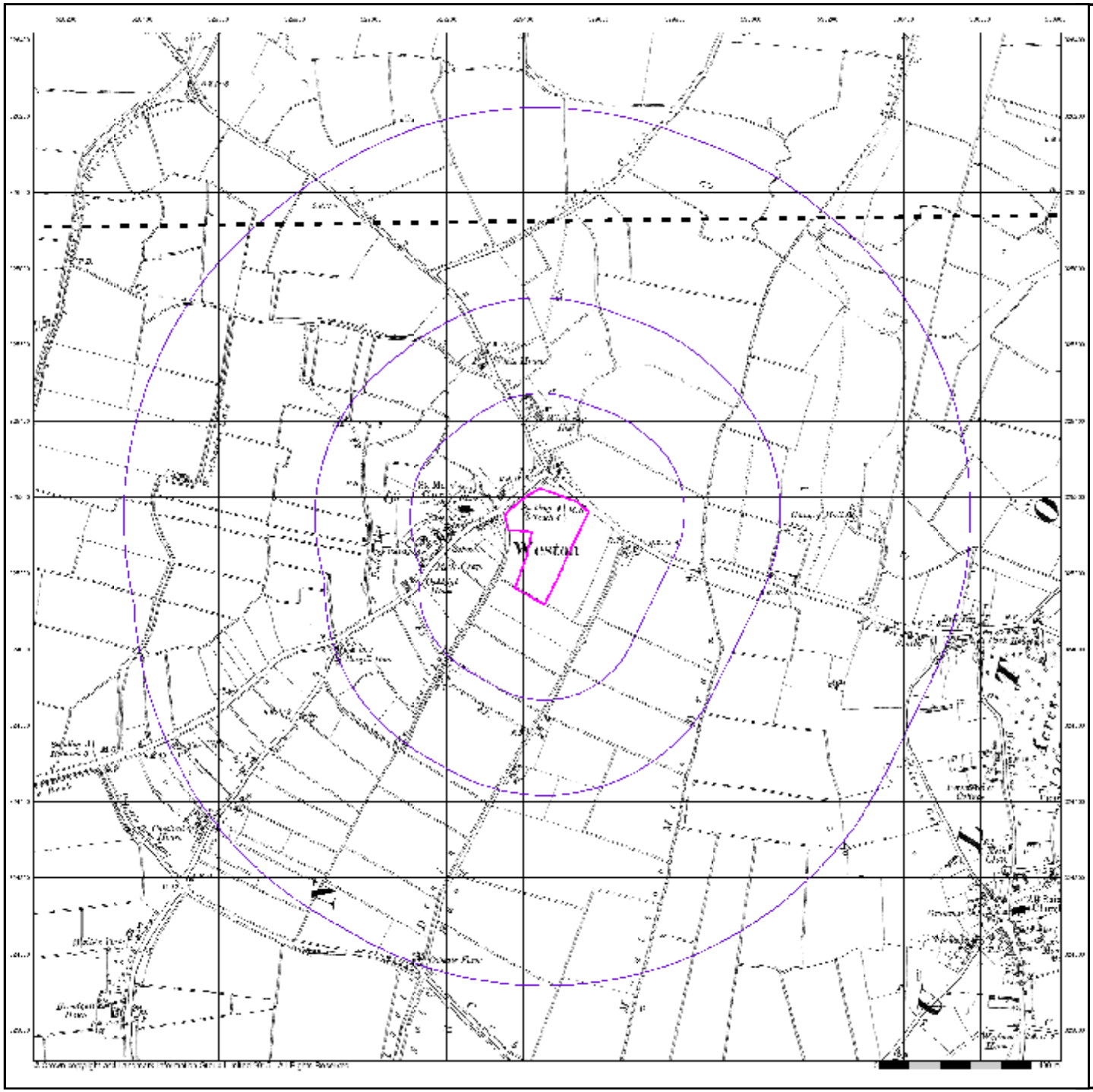
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Lincolnshire

Published 1906

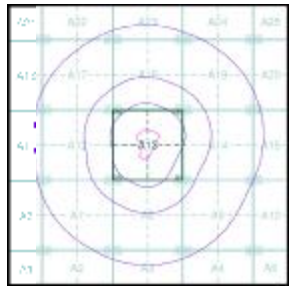
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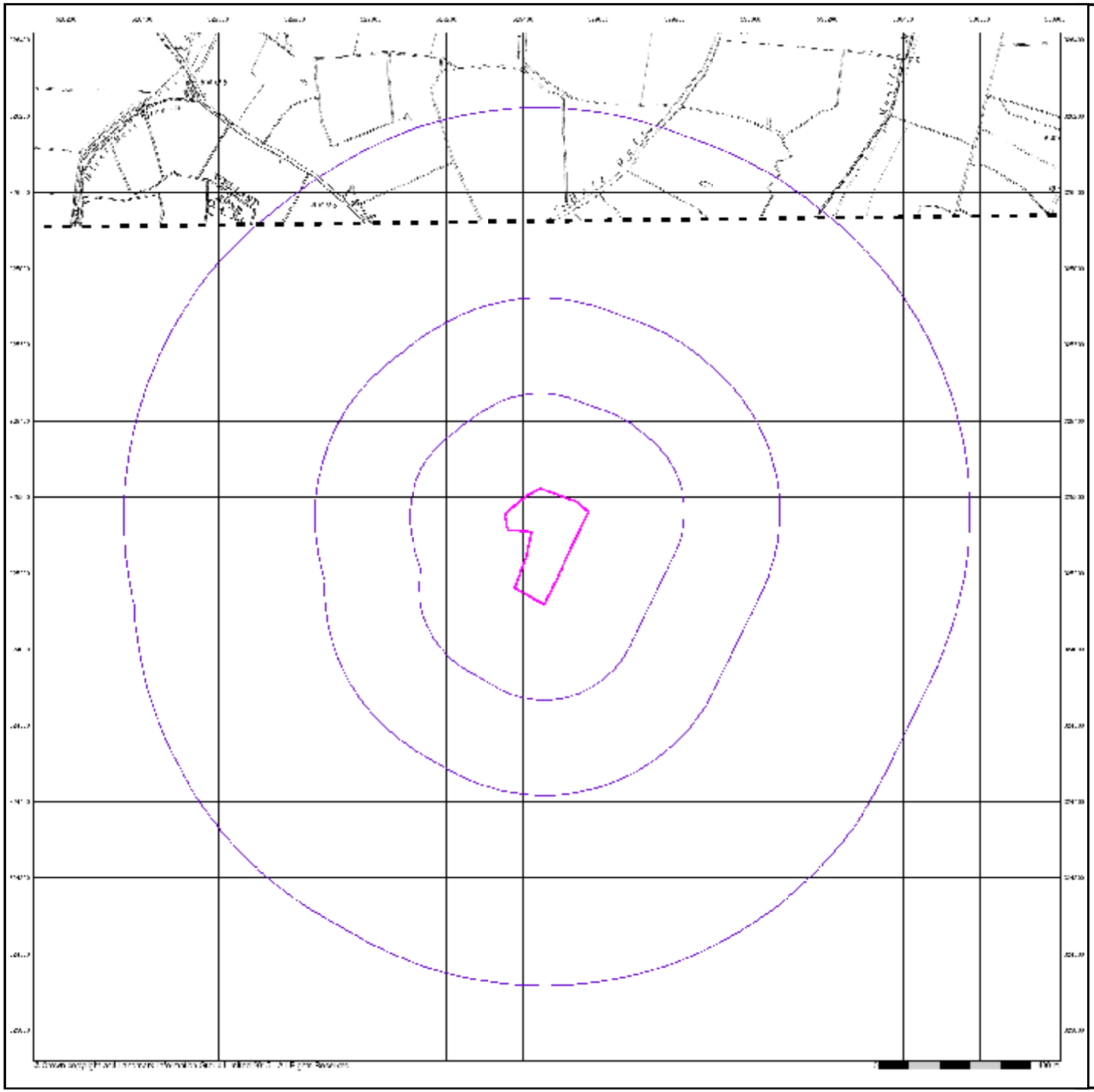


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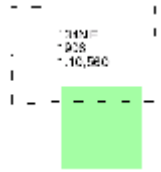
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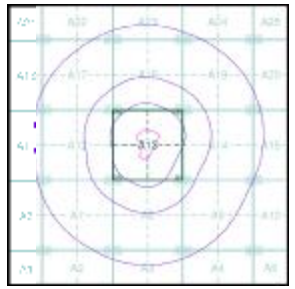
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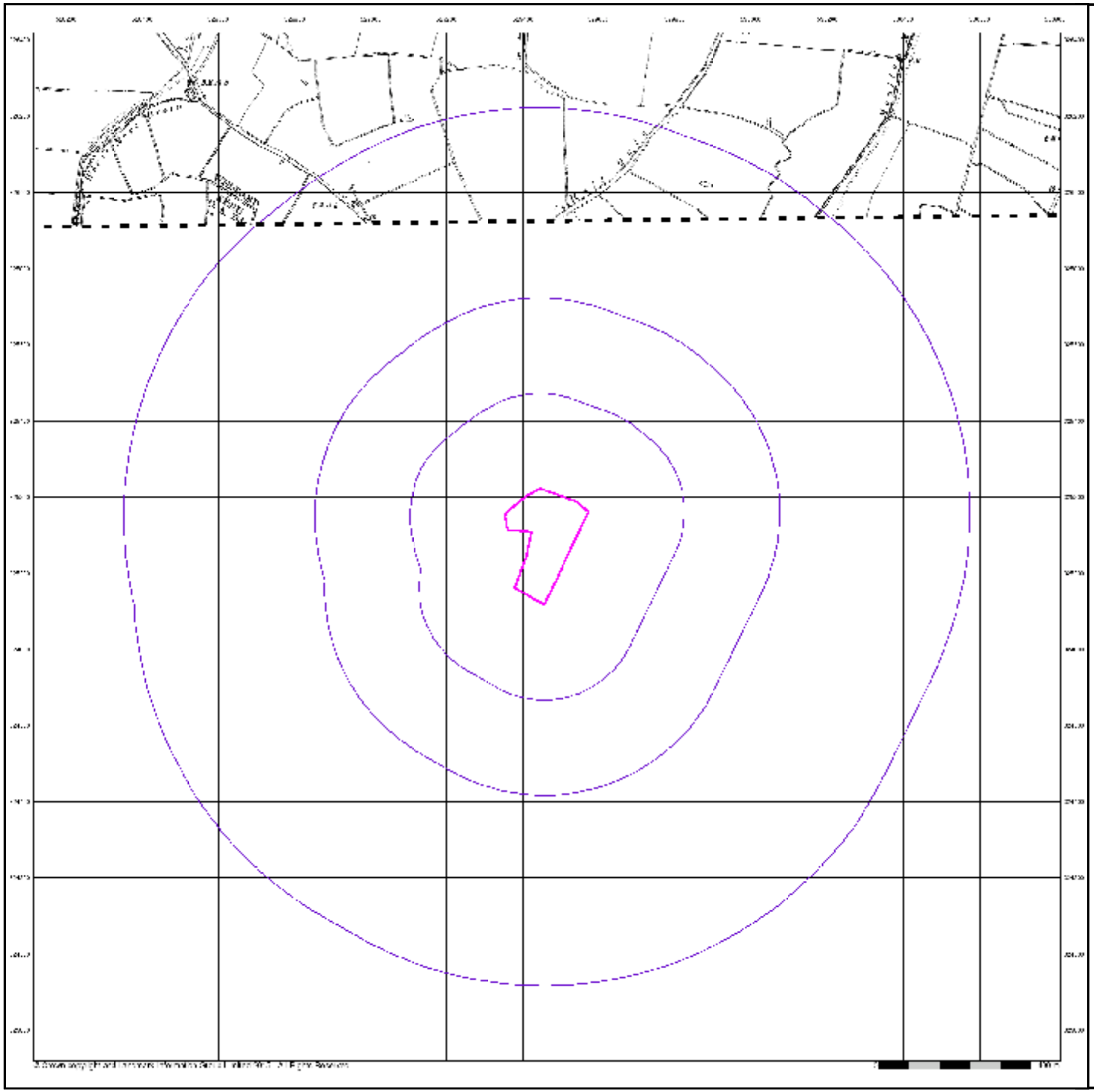
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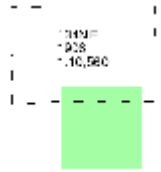
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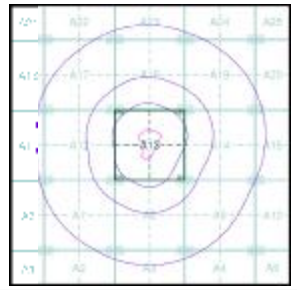
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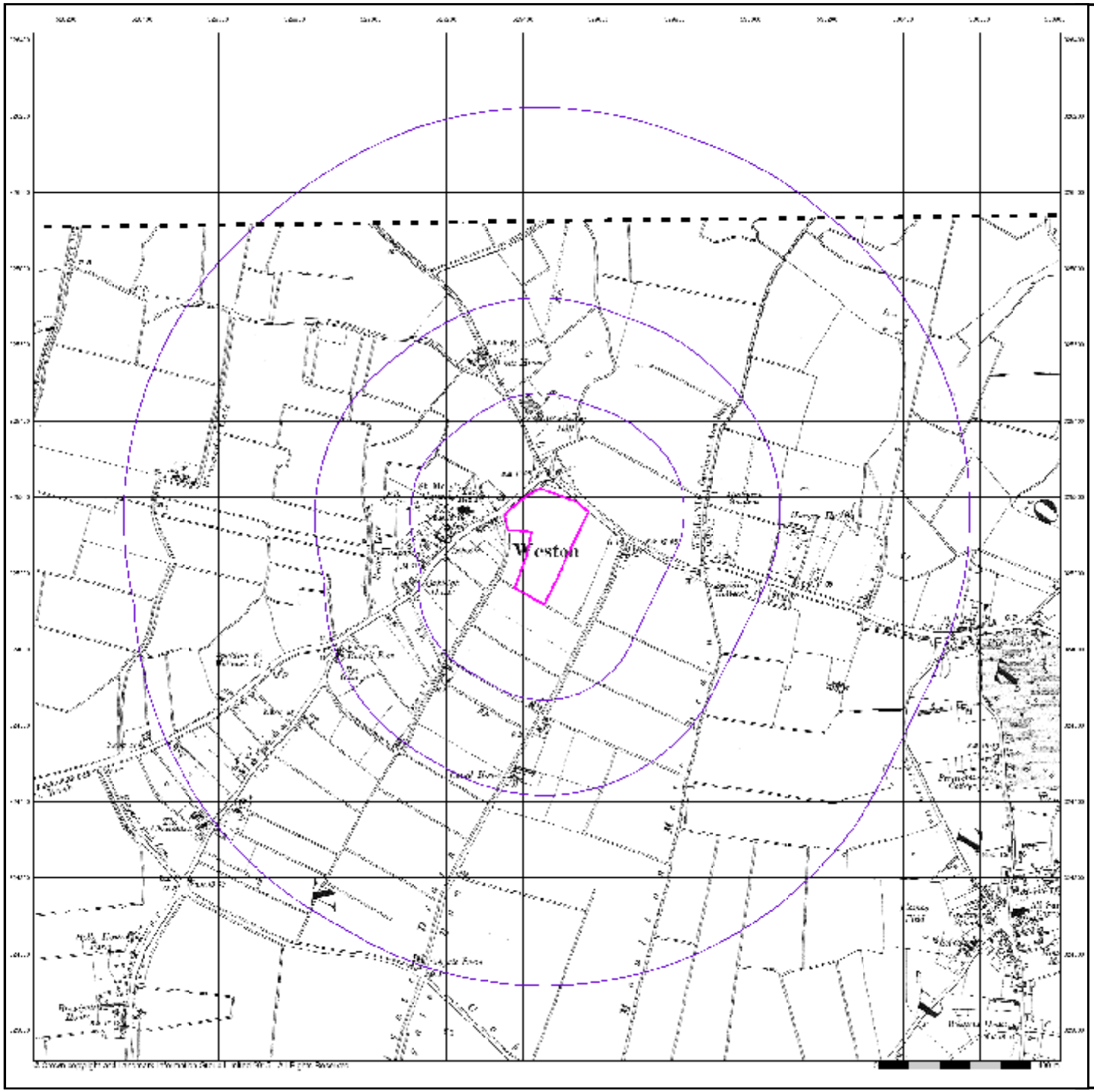
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Lincolnshire

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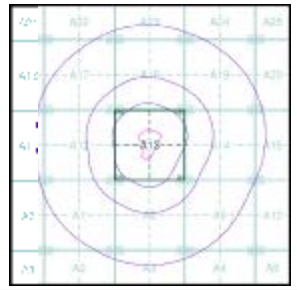
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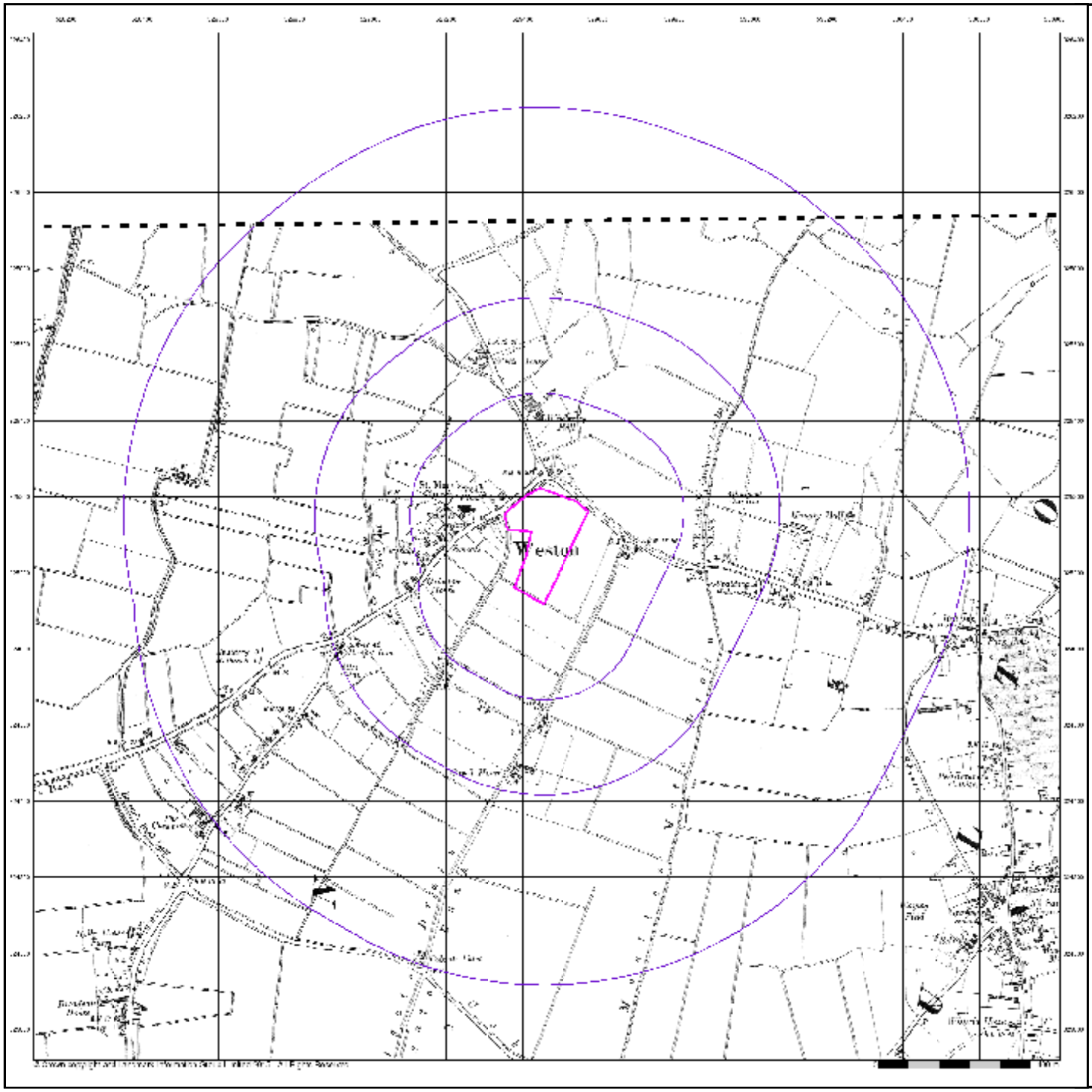
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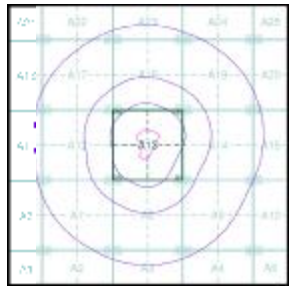
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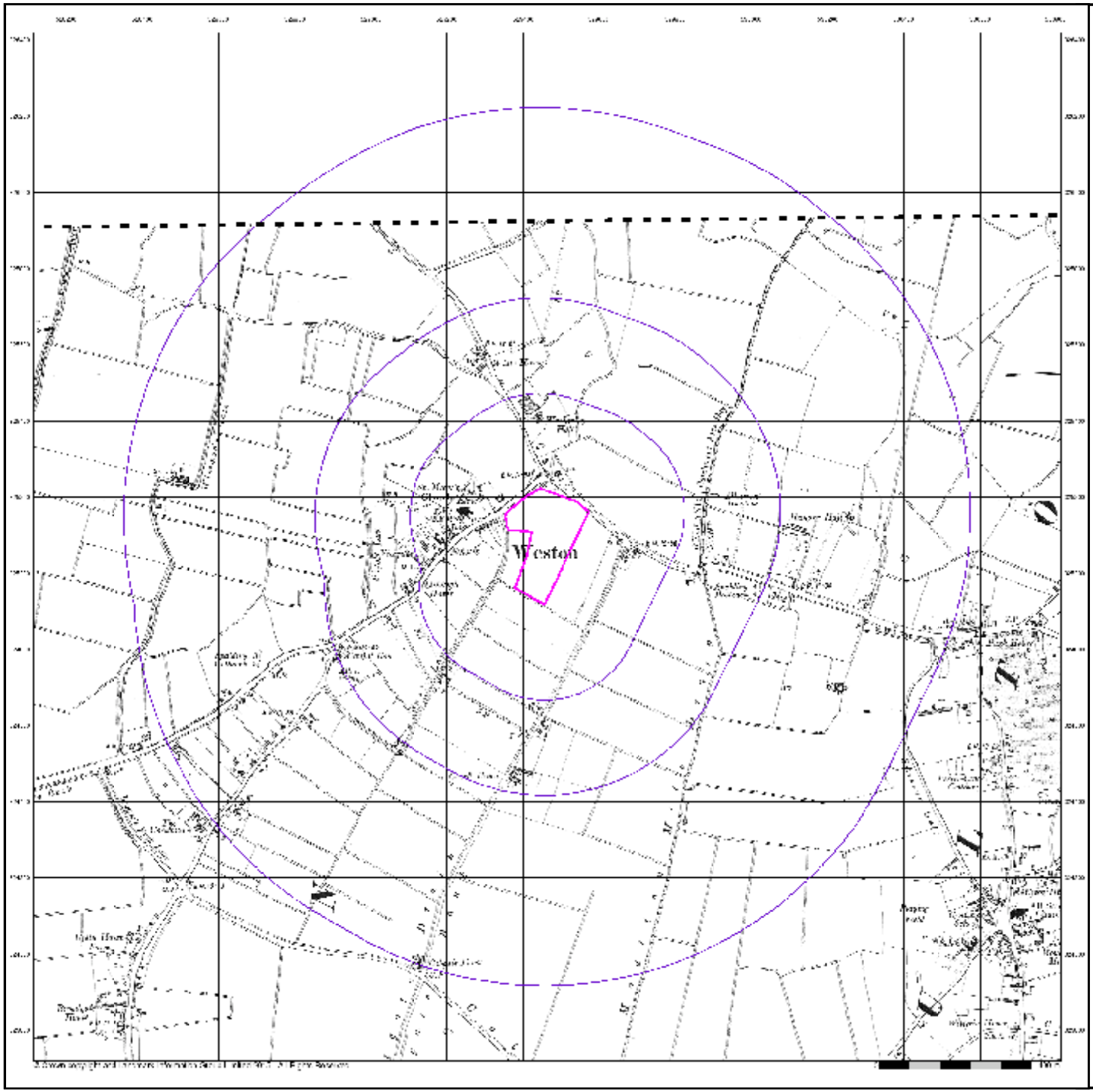
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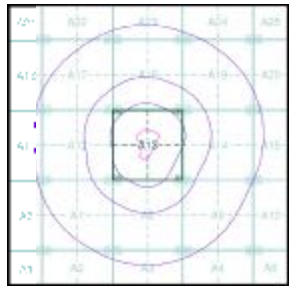
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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



N

Order Details

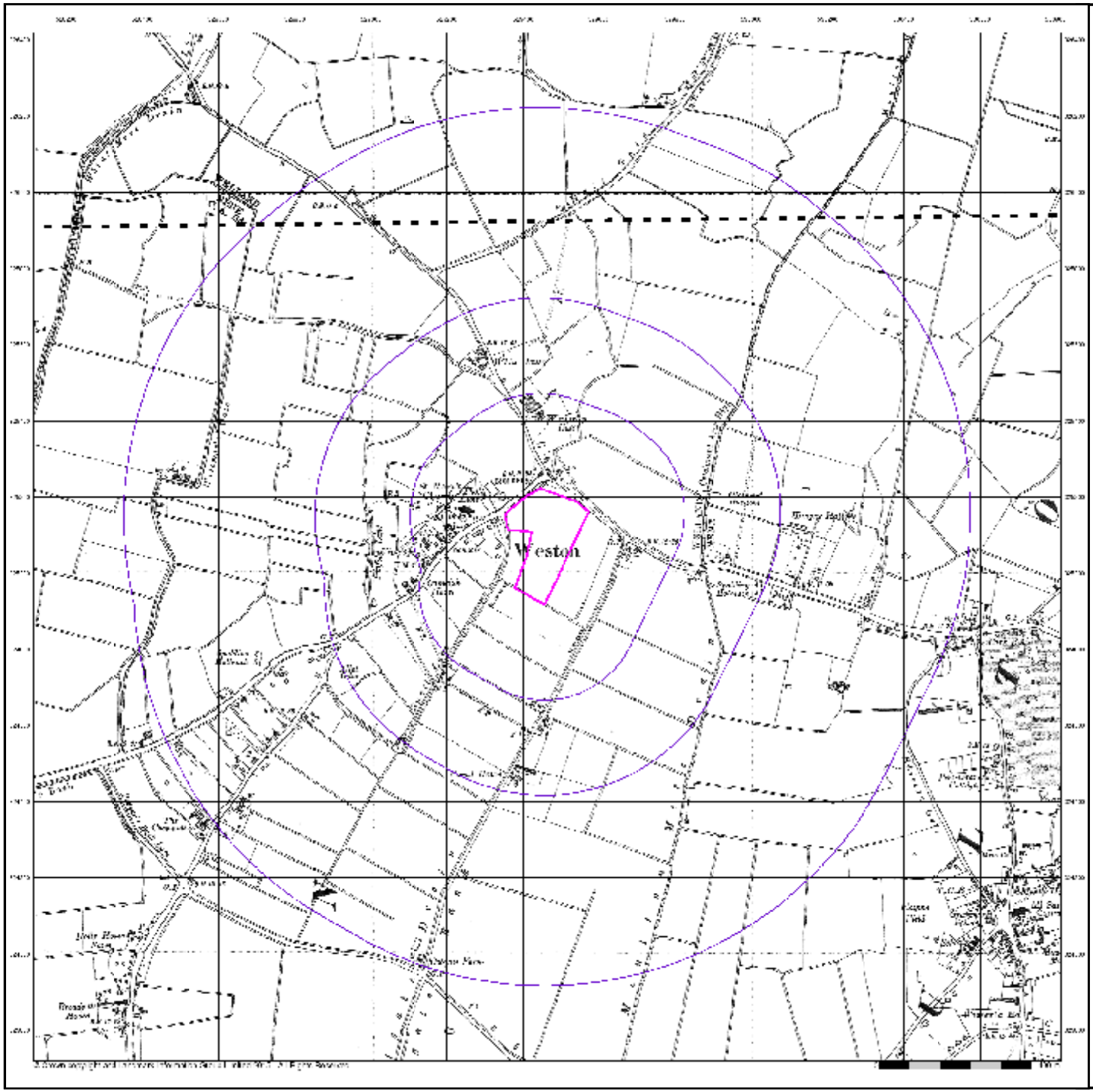
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Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	1000

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

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



Lincolnshire

Published 1938 - 1951

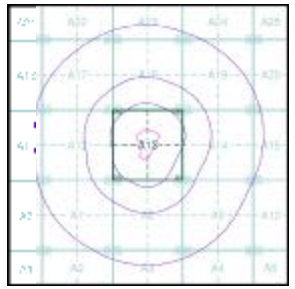
Source map scale - 1:10,560

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



N

Order Details

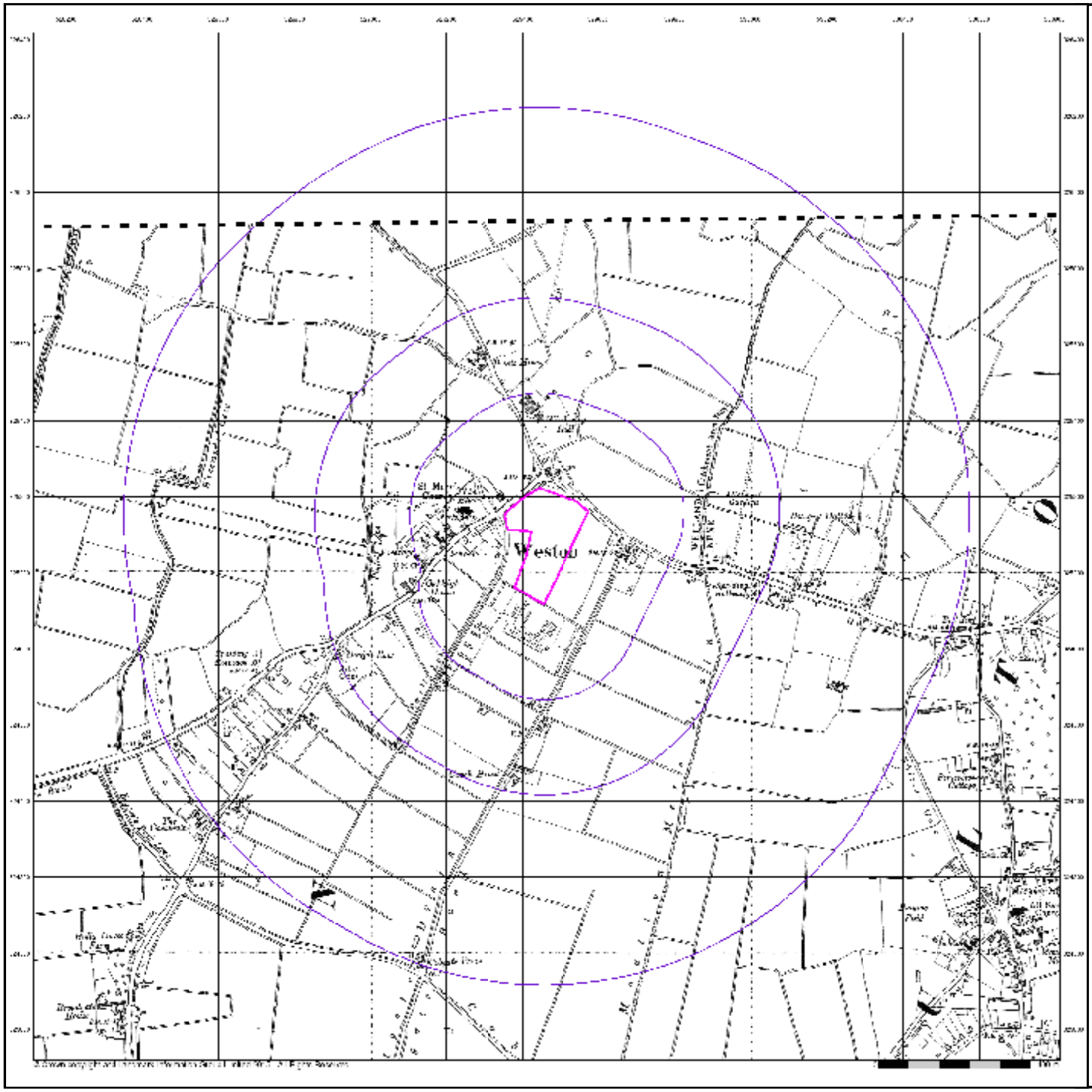
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Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

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Lincolnshire

Published 1951

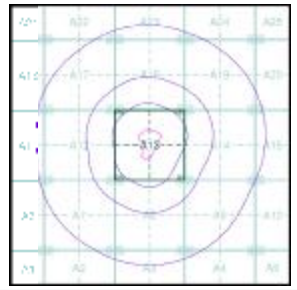
Source map scale - 1:10,560

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



N

Order Details

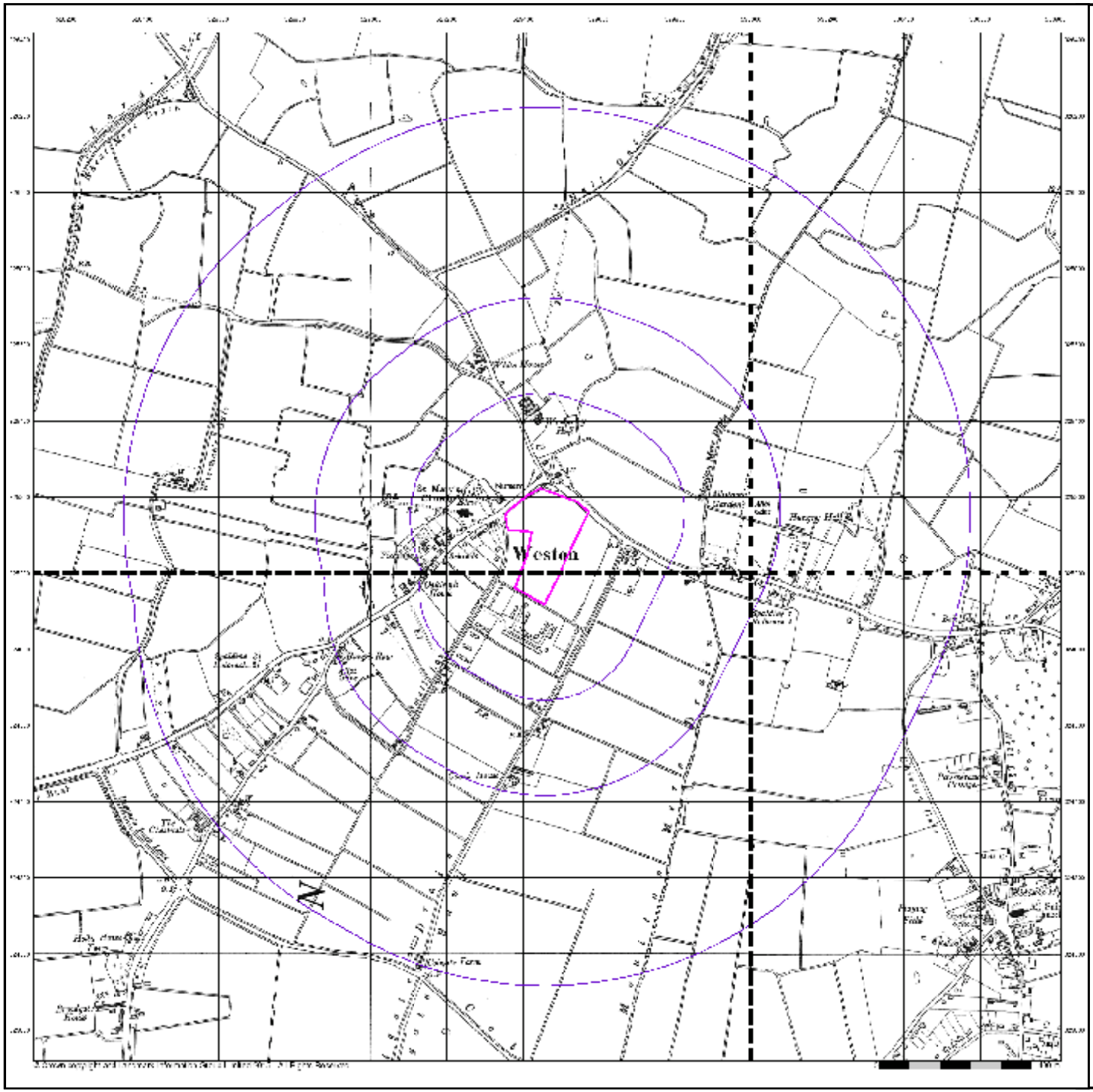
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Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1956 - 1958

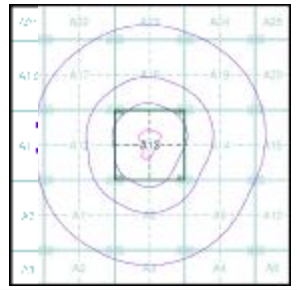
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



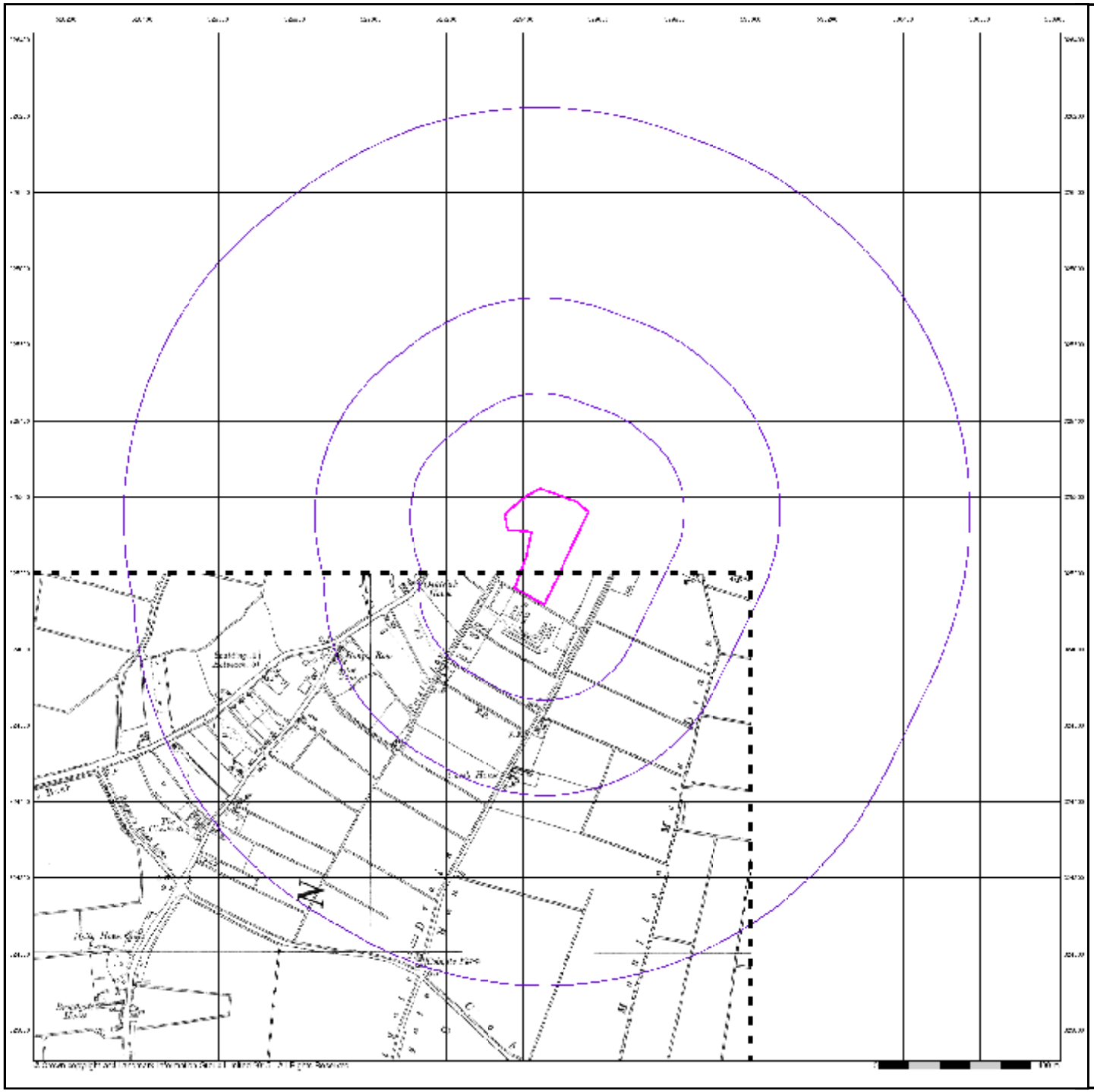
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Customer Ref:	MG159
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Site Details

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Landmark
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Web: www.envirocheck.co.uk



Ordnance Survey Plan

Published 1968

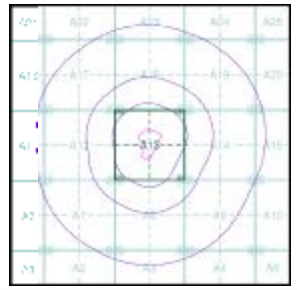
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



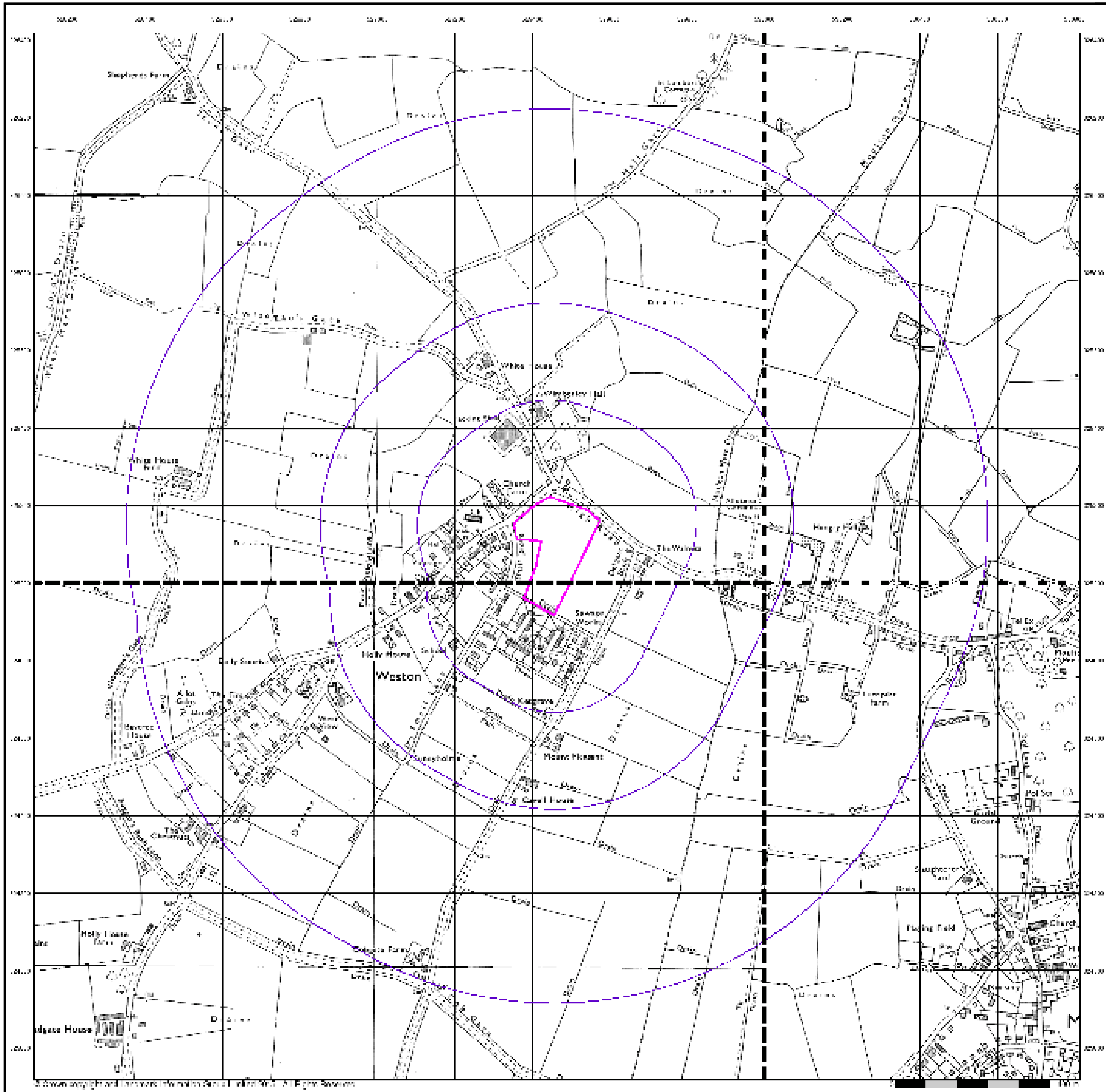
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Site Area (Ha):	3.67
Search Buffer (m):	1000

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

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Ordnance Survey Plan

Published 1971 - 1977

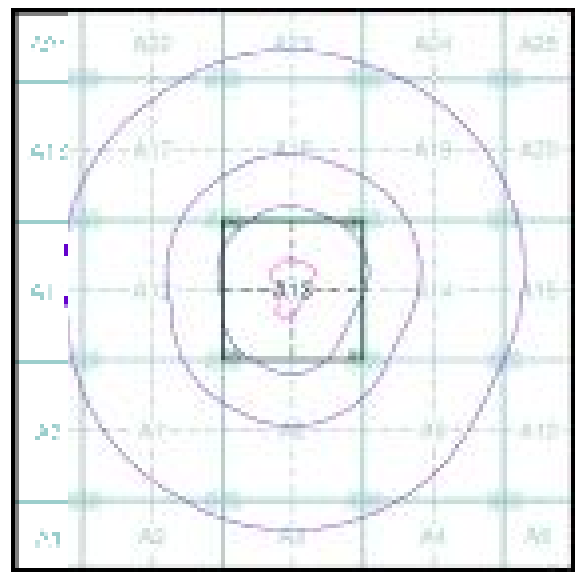
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

TF22NE 1975 1:10,000	TF32NW 1977 1:10,000
TF22SE 1971 1:10,000	TF32SW 1971 1:10,000

Historical Map - Slice A



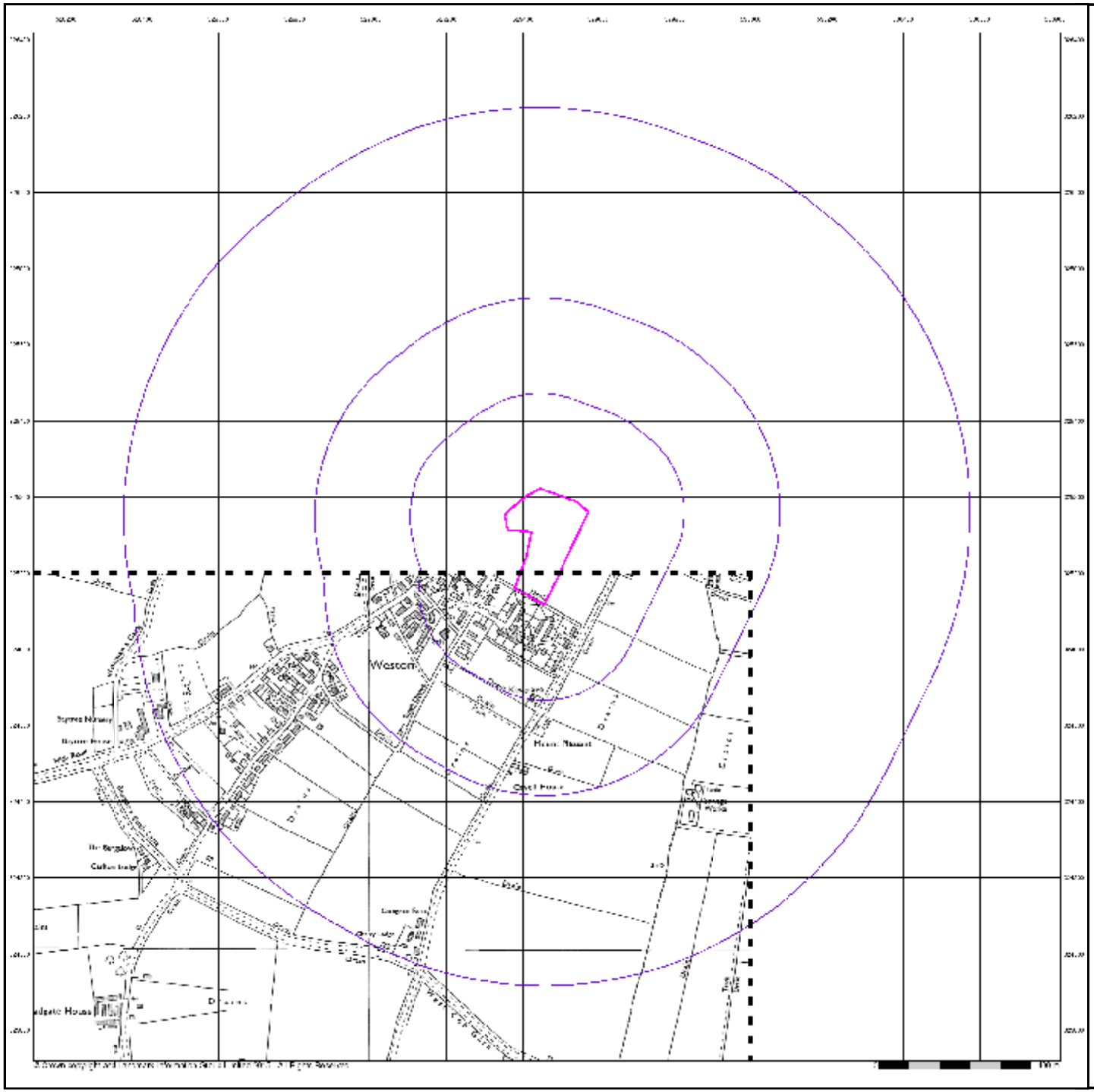
Order Details

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Customer Ref: MG159
National Grid Reference: 529450, 325080
Slice: A
Site Area (Ha): 3.67
Search Buffer (m): 1000

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

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



Ordnance Survey Plan

Published 1989

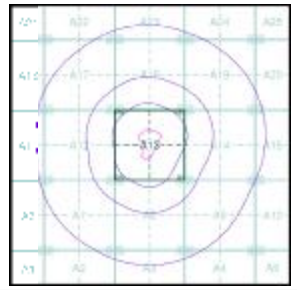
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



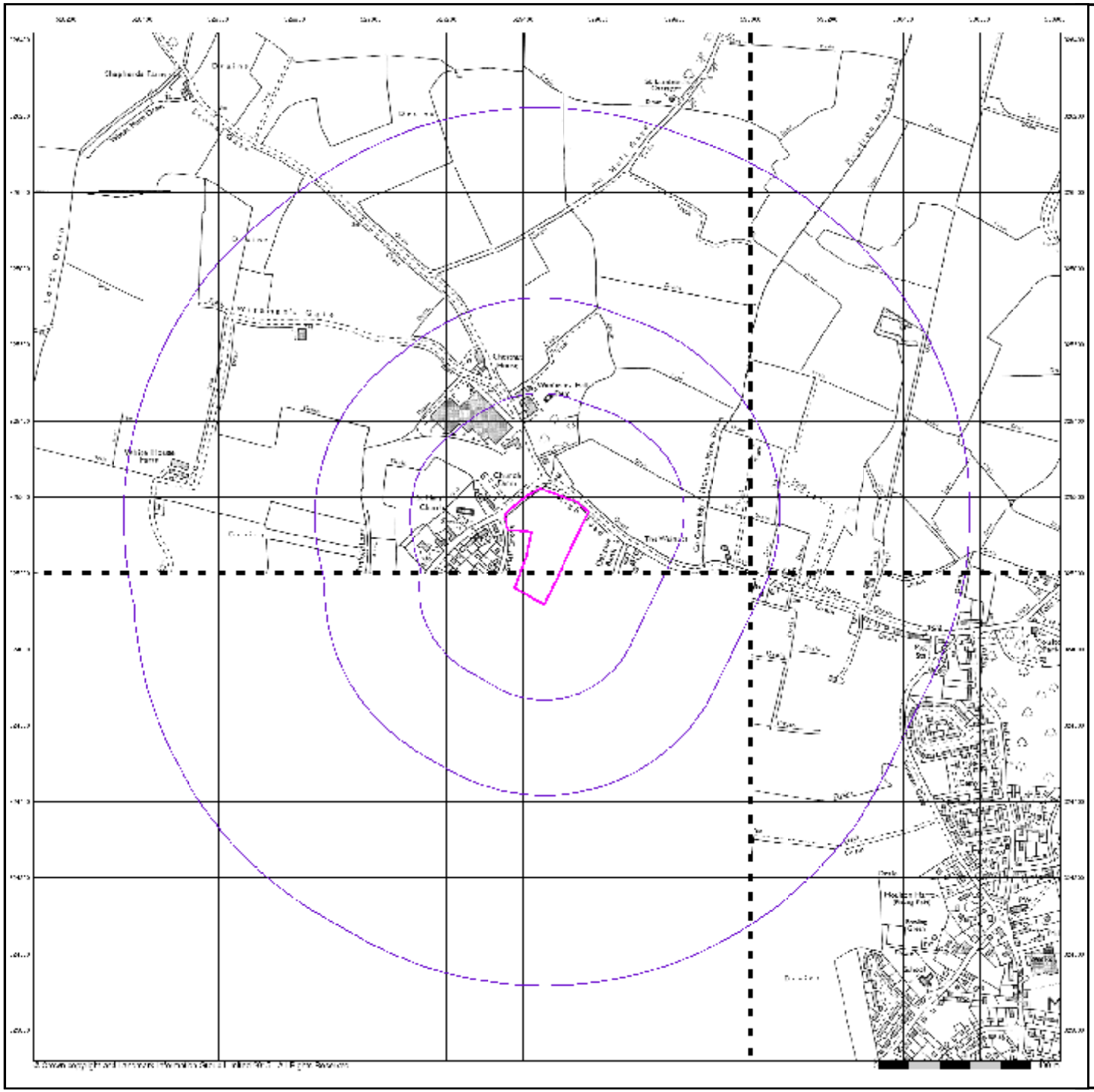
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Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
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Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark
Tel: 0844 844 9952
Fax: 0844 844 9951
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Ordnance Survey Plan

Published 1990 - 1992

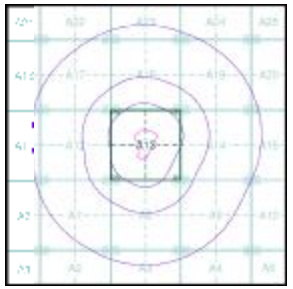
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



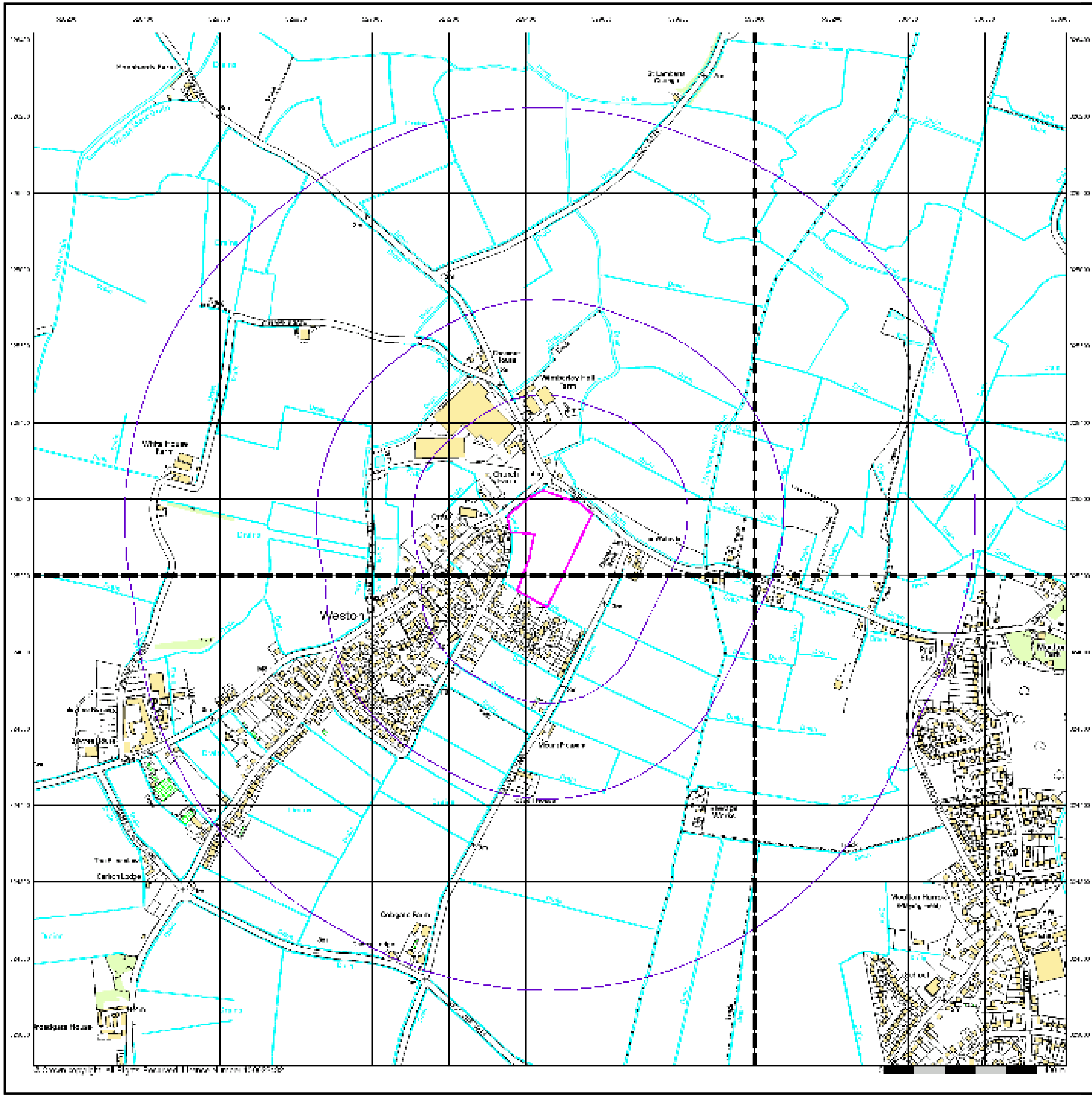
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Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
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Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark
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10k Raster Mapping

Published 2000

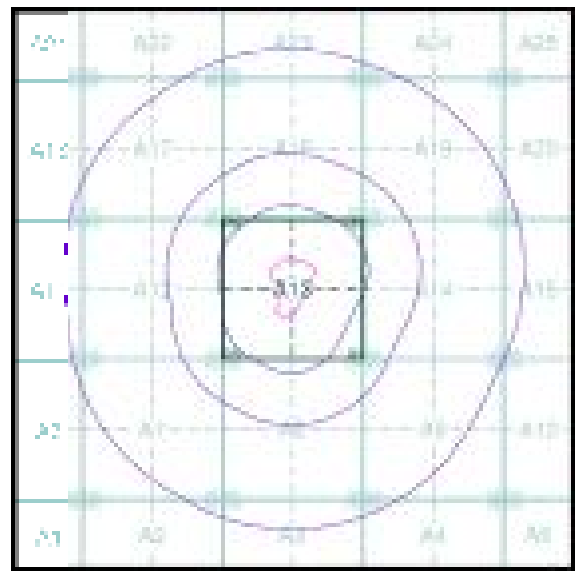
Source map scale - 1:10,000

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)

TF2.NE 2000 1:10,000	TF32NW 2000 1:10,000
TF22SE 2000 1:10,000	TF32SW 2000 1:10,000

Historical Map - Slice A



N

Order Details

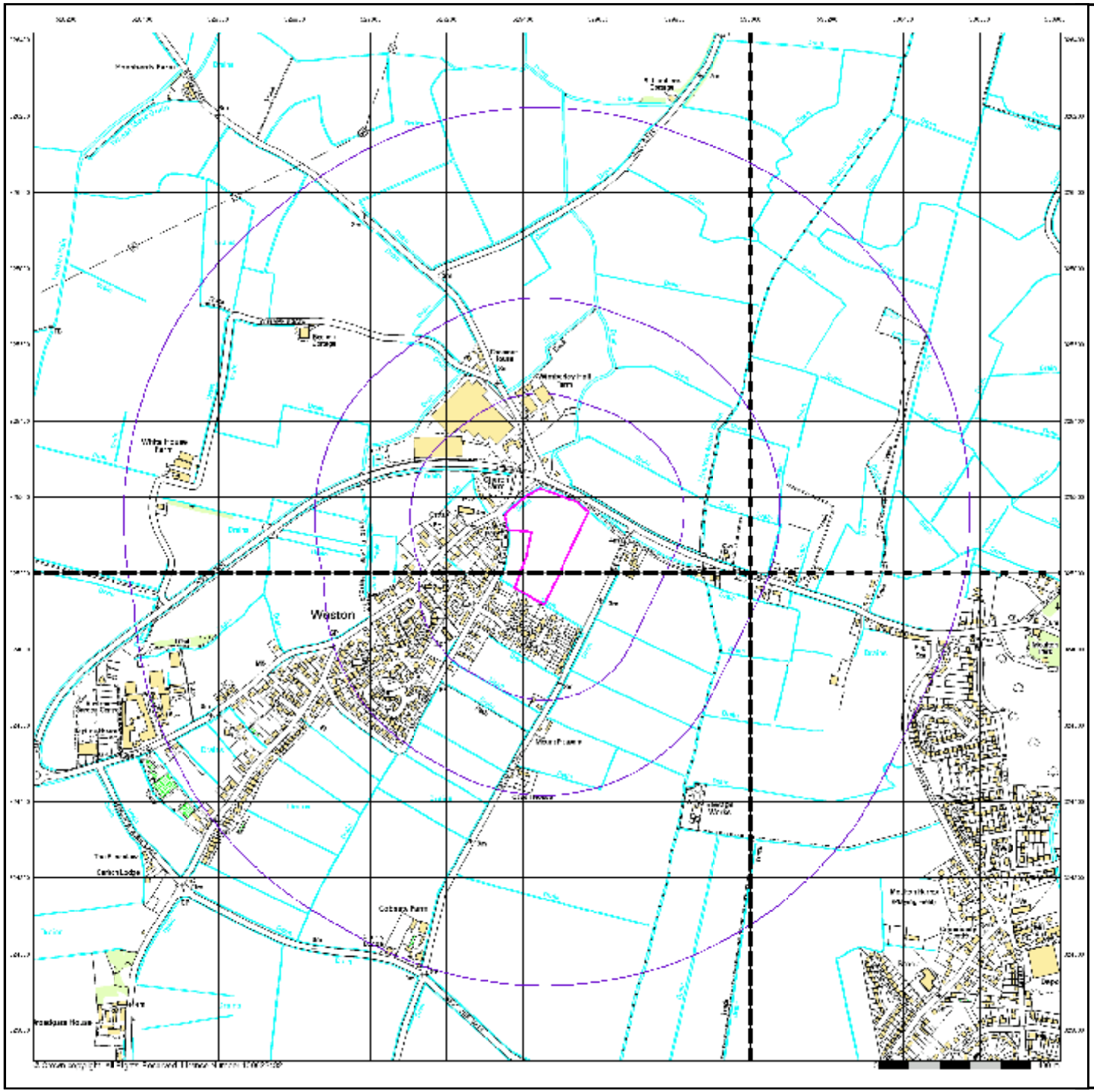
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Site Area (Ha): 3.67
Search Buffer (m): 1000

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

Tel: 0844 844 9952
Fax: 0844 844 9951
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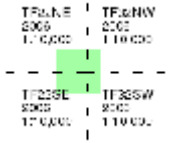
10k Raster Mapping

Published 2006

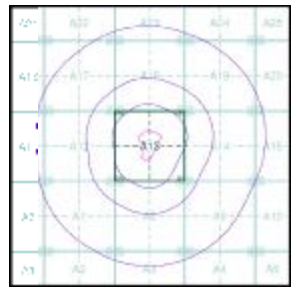
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



N

Order Details

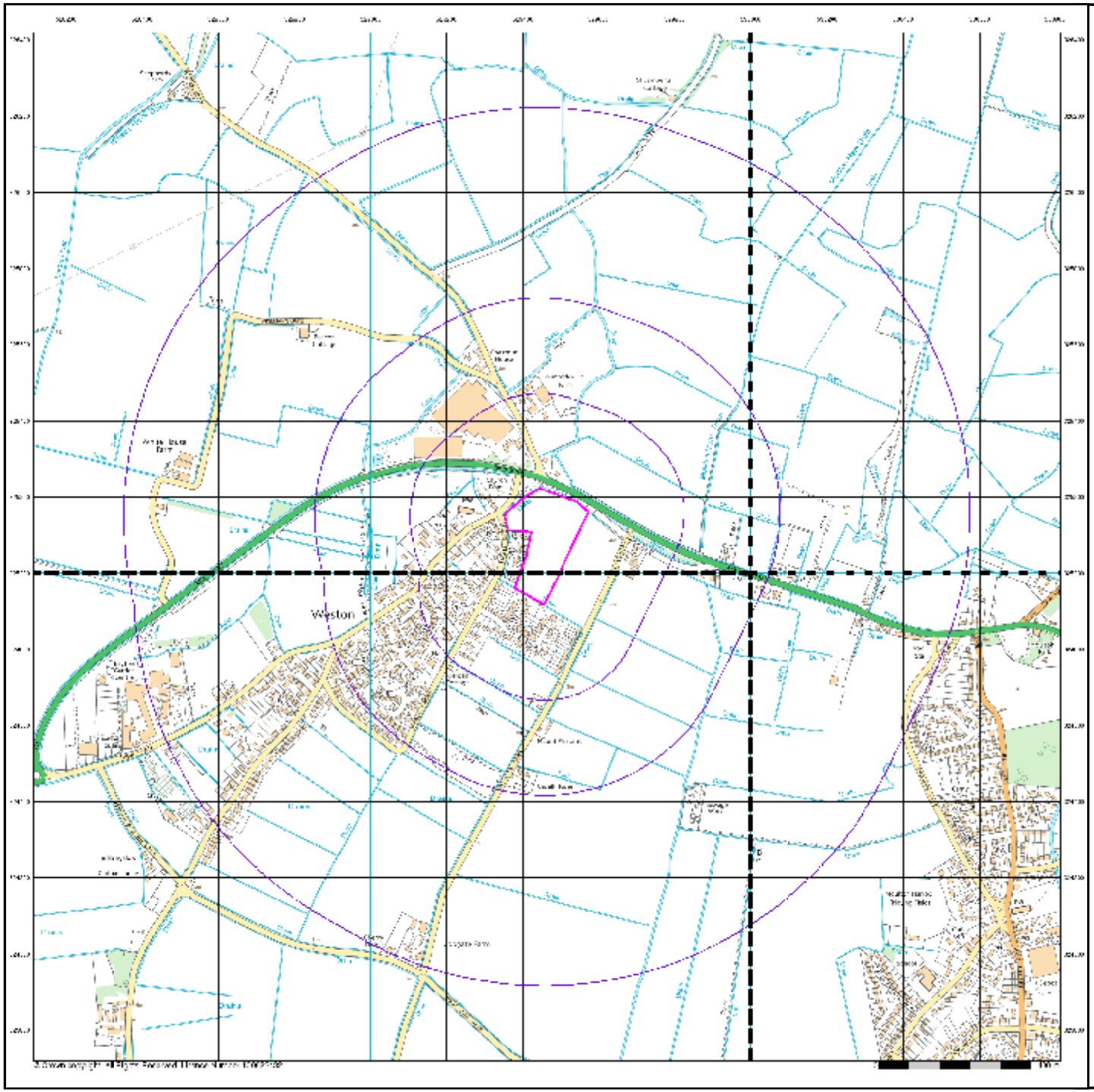
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Site Area (Ha):	3.67
Search Buffer (m):	1000

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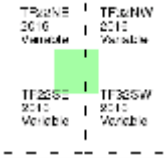
VectorMap Local

Published 2016

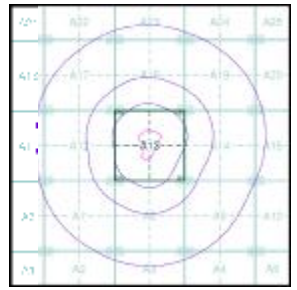
Source map scale - 1:10,000

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



N

Order Details

Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
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Site Details

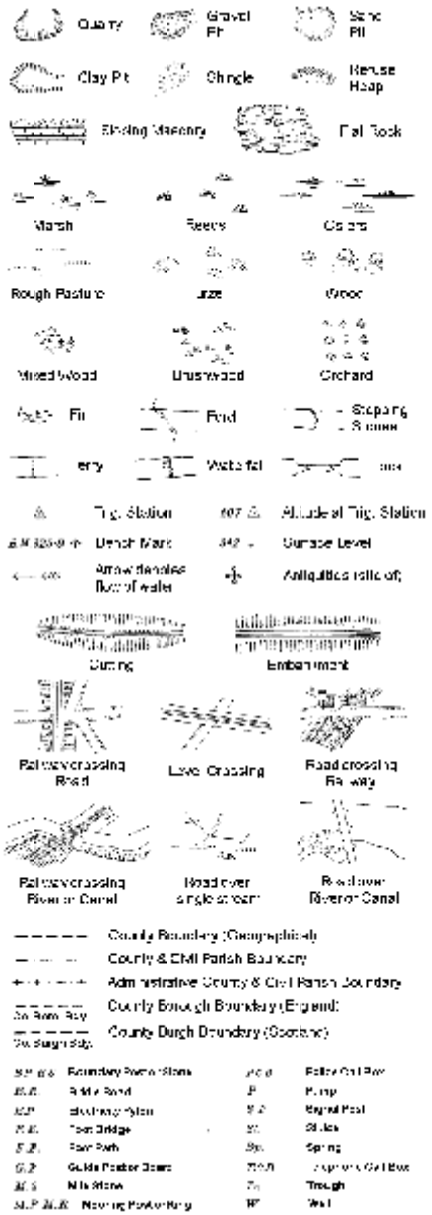
7, Dean Close, Weston, Spalding, PE12 6HG

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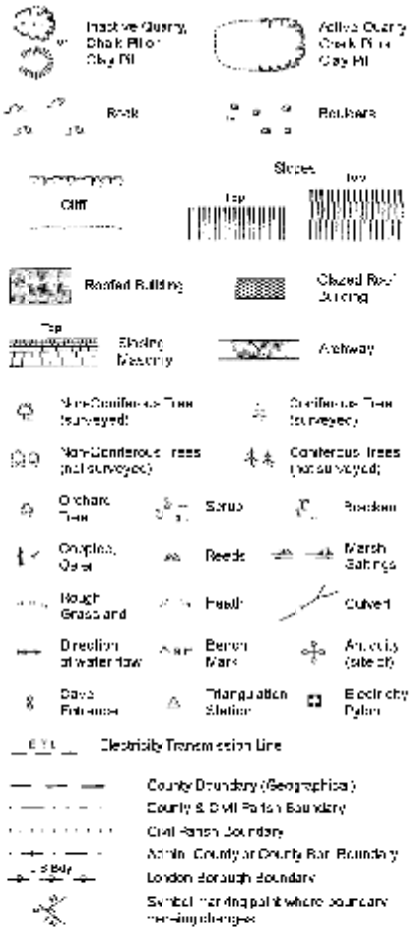
Historical Mapping Legends

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



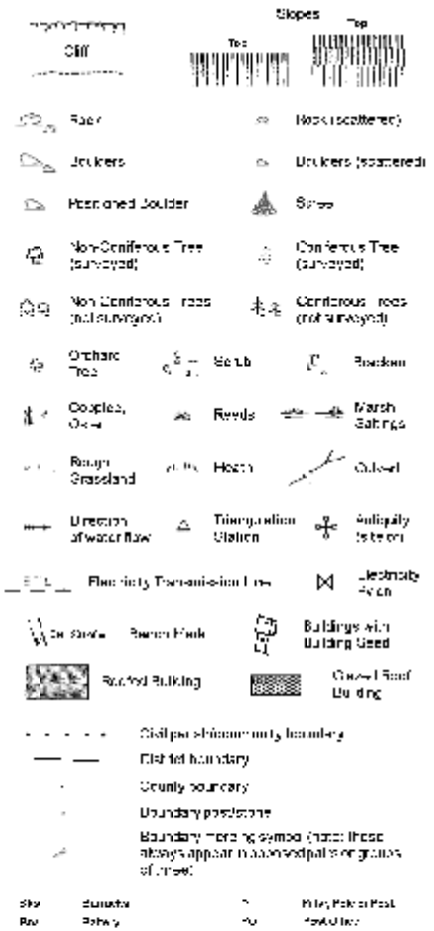
B.M. 123.4	Boundary Post or Stone	P.C.	Police Call Box
B.S.	Bridle Road	P.	Pump
C.P.	Electricity Pylon	S.P.	Signal Post
F.B.	Foot Bridge	Sn.	Sluice
F.P.	Foot Path	Spr.	Spring
G.P.	Guide Post or Direction Board	T.C.B.	Telephone Call Box
M.S.	Mile Stone	Tr.	Trough
M.P. M.R.	Mooring Post or Ring	W.	Well

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



B.H.	Boor House	P.	Pillar Post or Post
B.P.,B.S.	Boundary Post or Stone	P.O.	Post Office
Cem.	Cemetery, Crem.	P.C.	Public Convenience
Chy.	Chimney	P.H.	Public House
D.P.	Drinking Fountain	Pp.	Pump
F.B.	Footbridge	S.B., S.B.	Signal Box or Bridge
F.P.	Foot Path or Path	S.P., S.L.	Signal Post or Light
F.B.	Foot Bridge	Spr.	Spring
G.P.	Guide Post	Tk.	Tank or Trace
H.	Hydrant, Hydraulic	T.C.B.	Telephone Call Box
L.C.	Level Crossing	T.C.P.	Telephone Call Post
M.H.	Manhole	Tr.	Trough
M.P.	Mile Post or Mooring Post	W.P.,W.T.	Water Point, Water Tap
M.S.	Mile Stone	W.	Well
N.T.	Normal Tide Limit	Wd.Pp.	Wind Pump

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



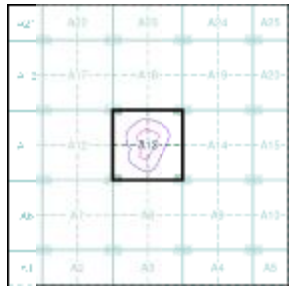
Abp.	Antiquity	P.	Pillar, Post or Post
Bdy.	Boundary	P.O.	Post Office
Cemy.	Cemetery	P.C.	Public Convenience
Chy.	Chimney	Pp.	Pump
Cstn.	Coastguard	Pmg.Sta.	Pumping Station
Elec.Sub.Sta.	Electricity Sub Station	Sewage Pg.Sta.	Sewage Pumping Station
El.Sub.Sta.	Electricity Sub Station	Sta.Sl.Br.	Stable Slip or Bridge
F.B.	Footbridge	Sta.Sl.Br.	Stable Slip or Bridge
F.P.	Footpath	Spr.	Spring
F.P.	Footpath	Tk.	Tank or Trace
F.B.	Footbridge	Tr.	Trough
Gas Gov.	Gas Governor	Tk.	Tank or Trace
Gas Gov.	Gas Governor Compound	Tr.	Trough
G.O.	Gas Governor	W.P.	Well Point
G.P.	Guide Post	W.P.,W.T.	Water Point, Water Tap
M.H.	Manhole	Wks.	Works (building or yard)
M.P.,M.S.	Mile Post or Mile Stone	W.	Well



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1904	3
Lincolnshire	1:2,500	1932	4
Ordnance Survey Plan	1:2,500	1968	5
Supply of Unpublished Survey Information	1:2,500	1973	6
Additional SIMs	1:2,500	1987	7
Large-Scale National Grid Data	1:2,500	1995	8
Historical Aerial Photography	1:2,500	1999	9

Historical Map - Segment A13



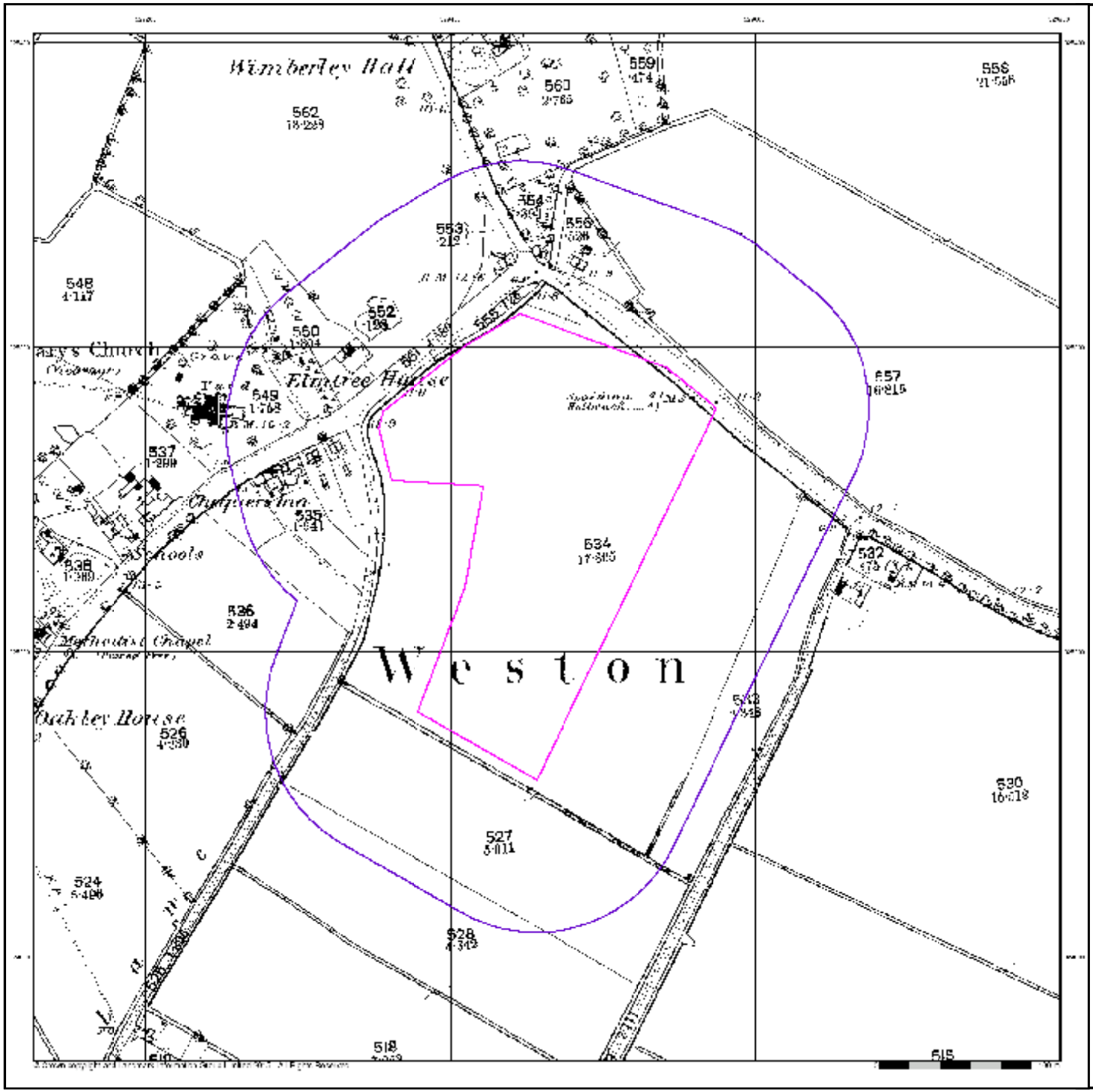
Order Details

Order Number: 97453296_1_1
Customer Ref: MG159
National Grid Reference: 529450, 325080
Slice: A
Site Area (Ha): 3.67
Search Buffer (m): 100

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

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



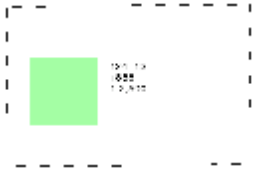
Lincolnshire

Published 1888

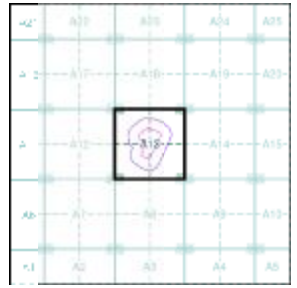
Source map scale - 1:2,500

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



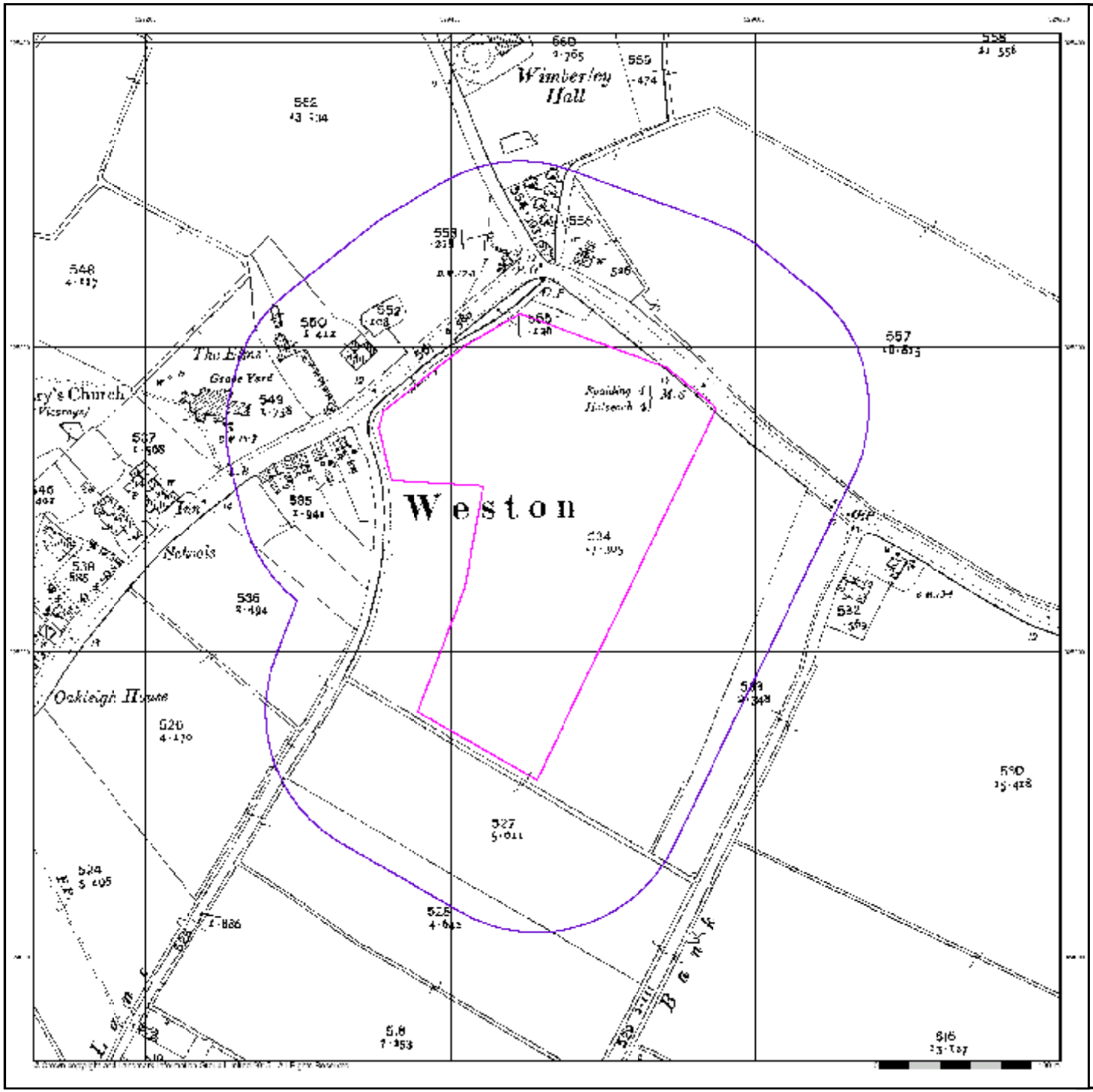
Order Details

Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	100

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

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



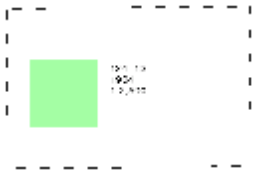
Lincolnshire

Published 1904

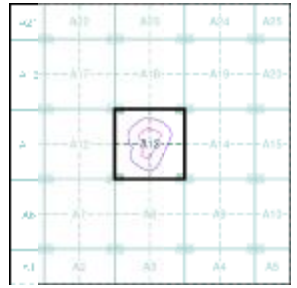
Source map scale - 1:2,500

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



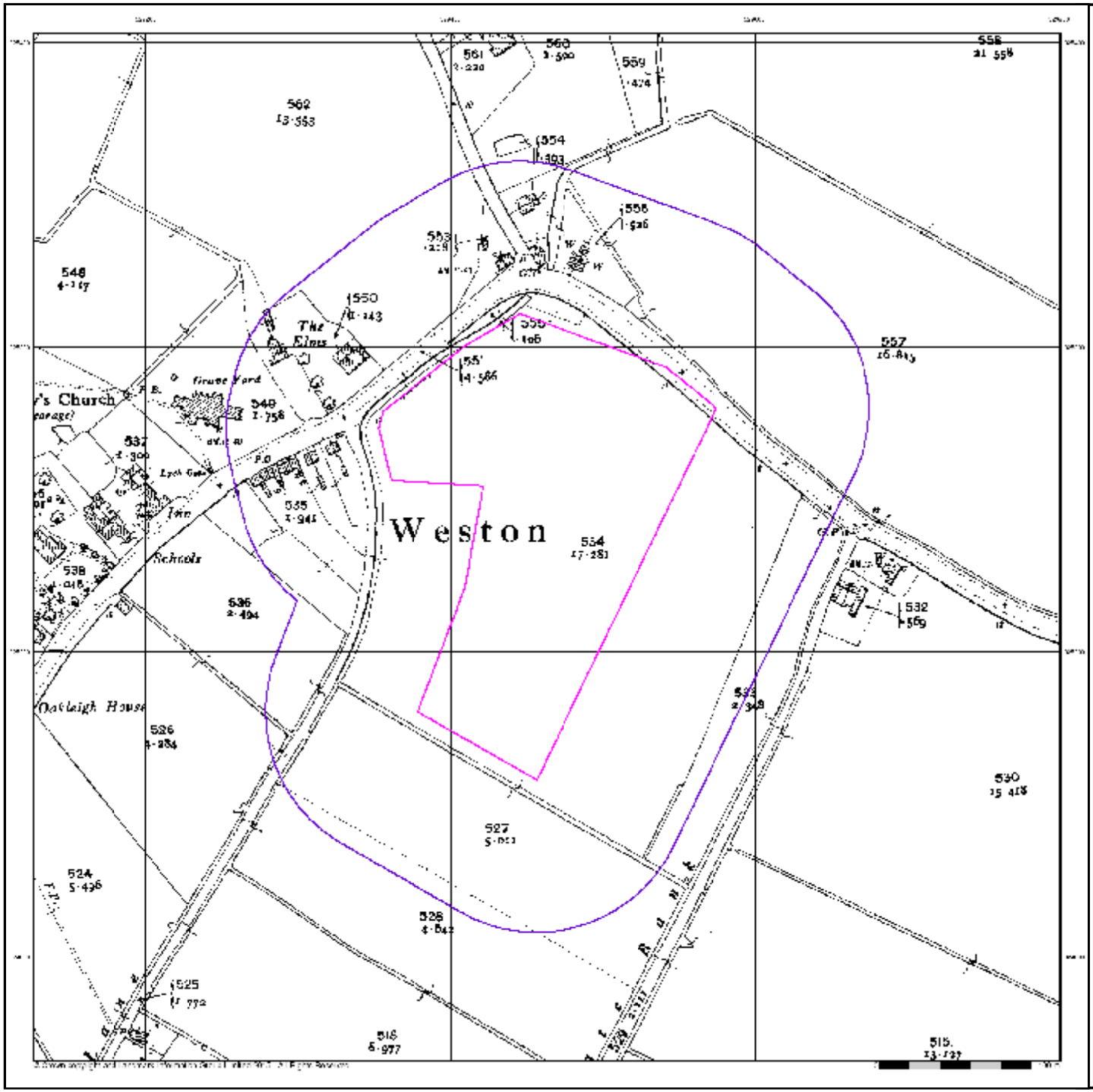
Order Details

Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	100

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

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



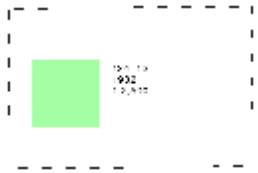
Lincolnshire

Published 1932

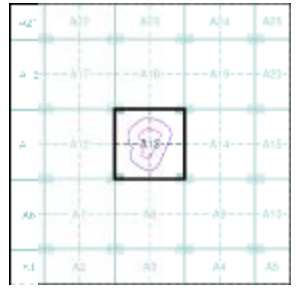
Source map scale - 1:2,500

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



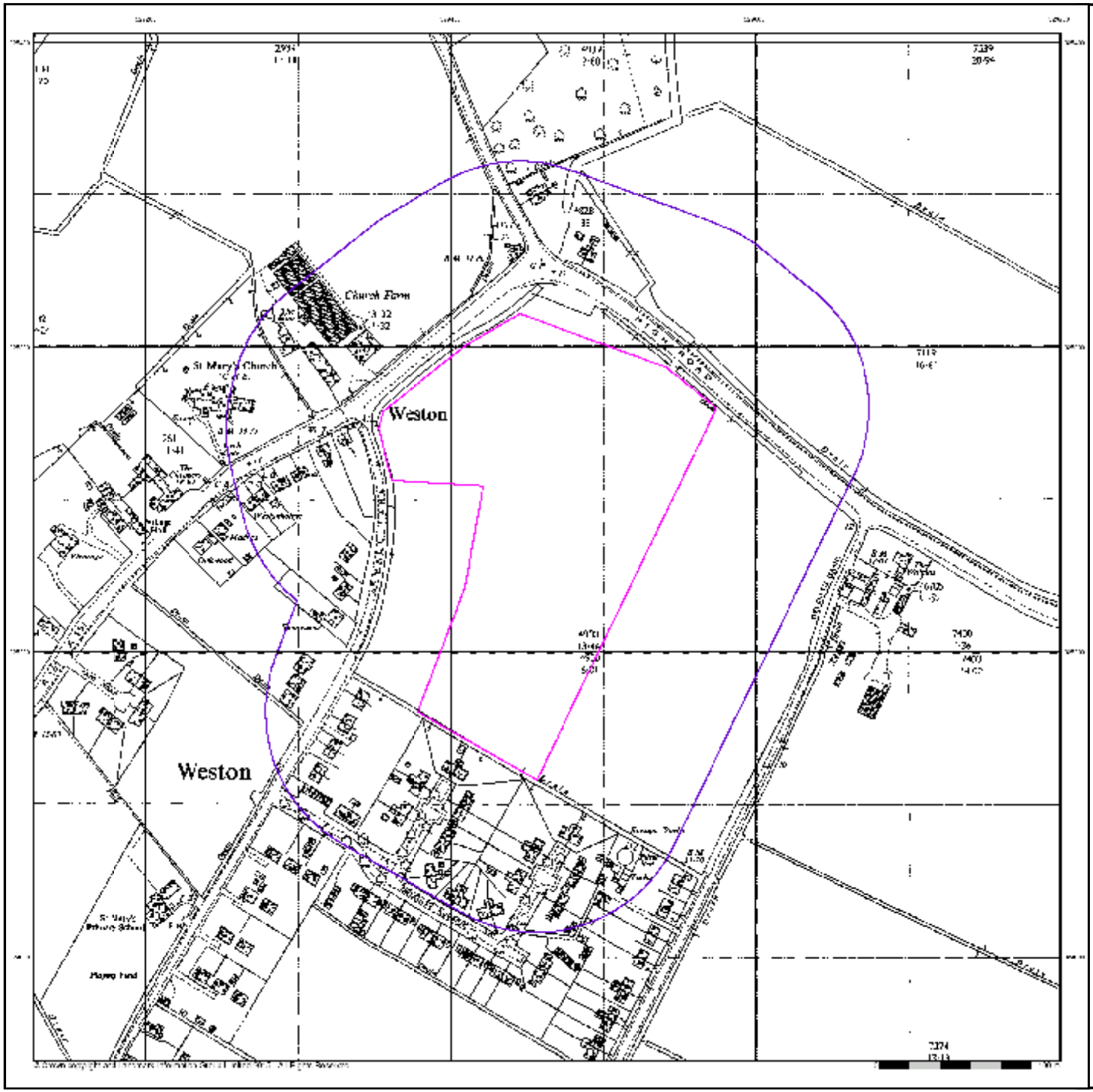
Order Details

Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	100

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

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



Ordnance Survey Plan

Published 1968

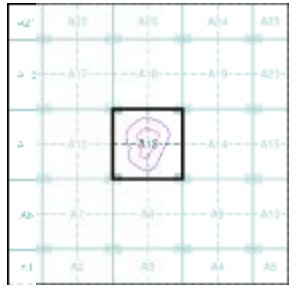
Source map scale - 1:2,500

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

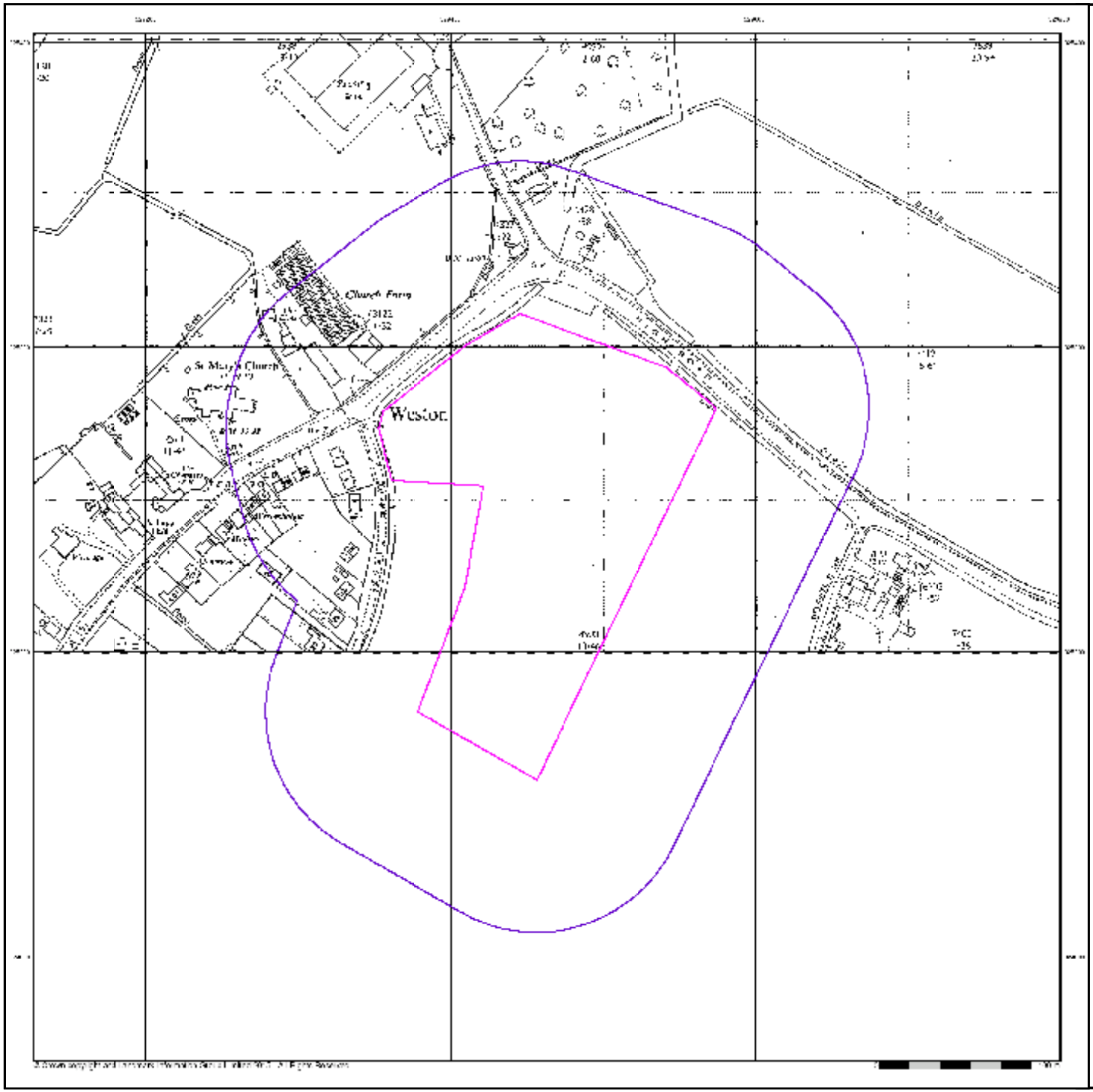
Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	100

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

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



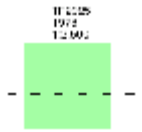
Supply of Unpublished Survey Information

Published 1973

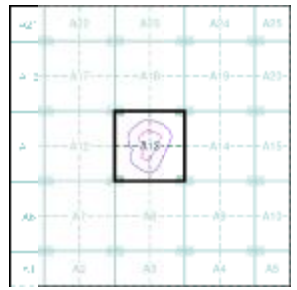
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

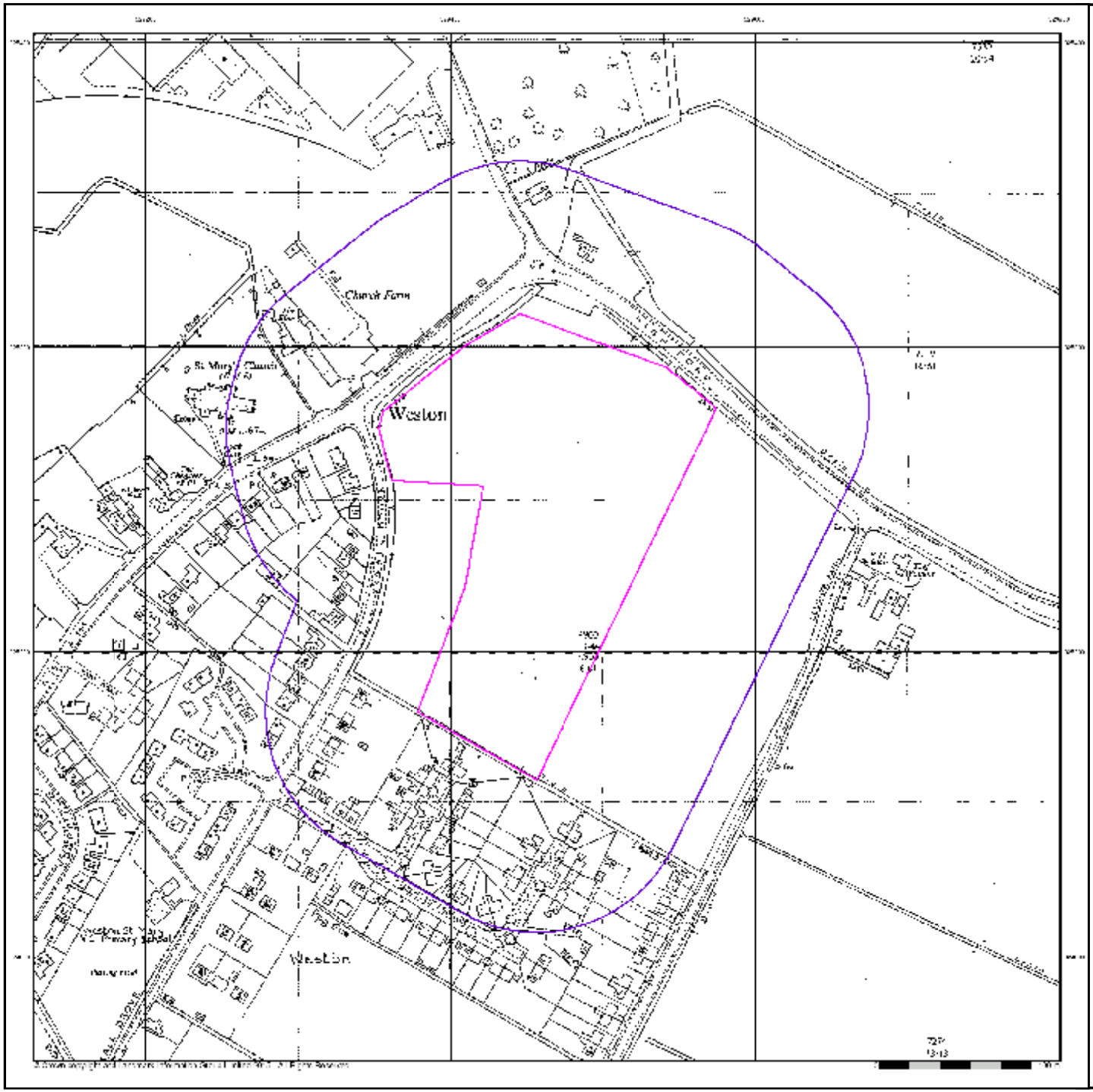
Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	100

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

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Additional SIMs

Published 1987

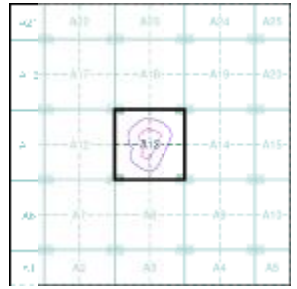
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



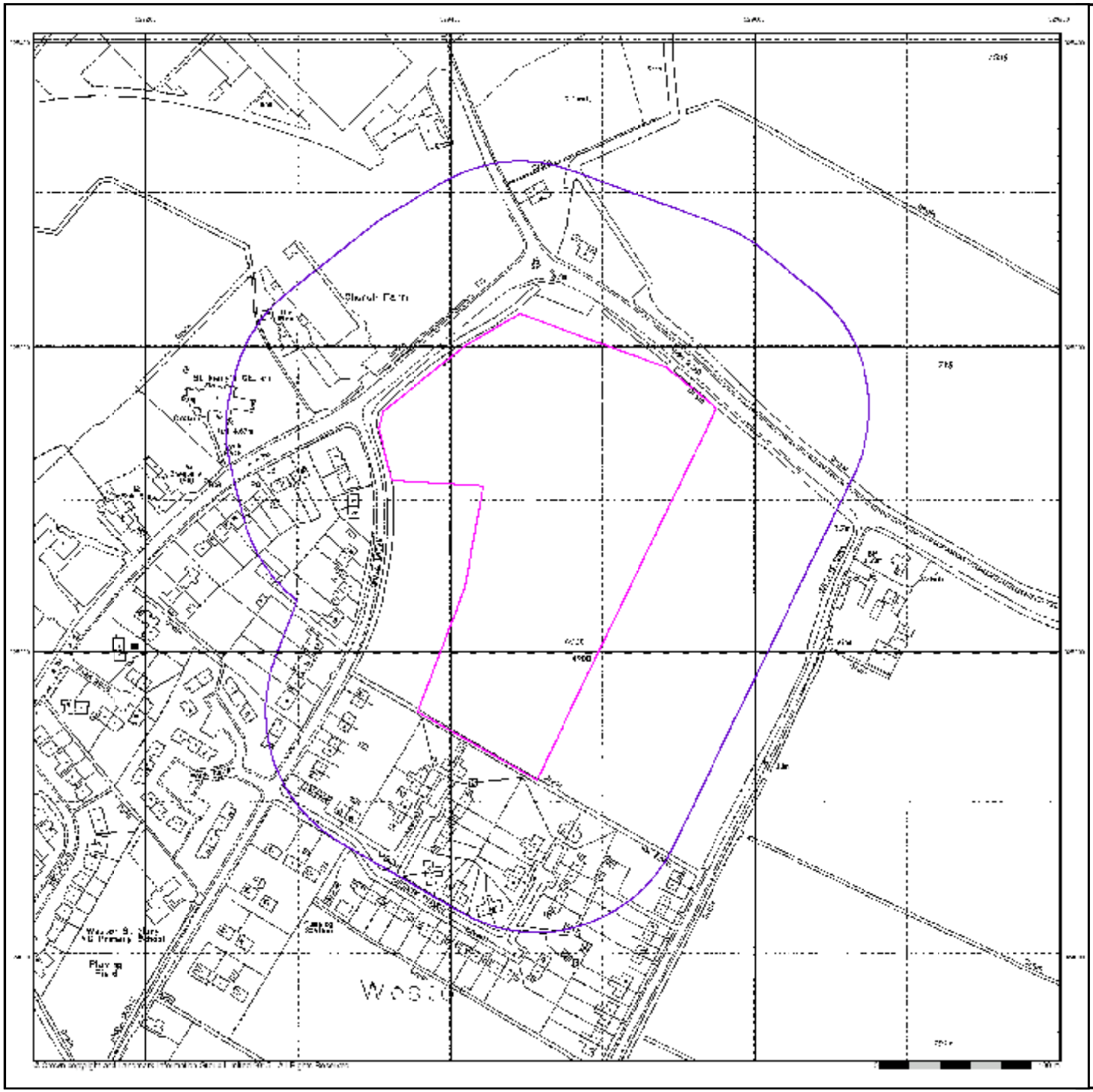
Order Details

Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	100

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

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



Large-Scale National Grid Data

Published 1995

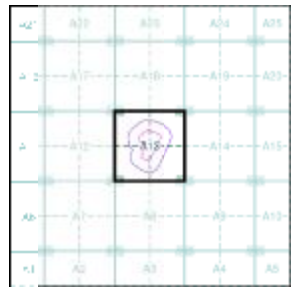
Source map scale - 1:2,500

'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

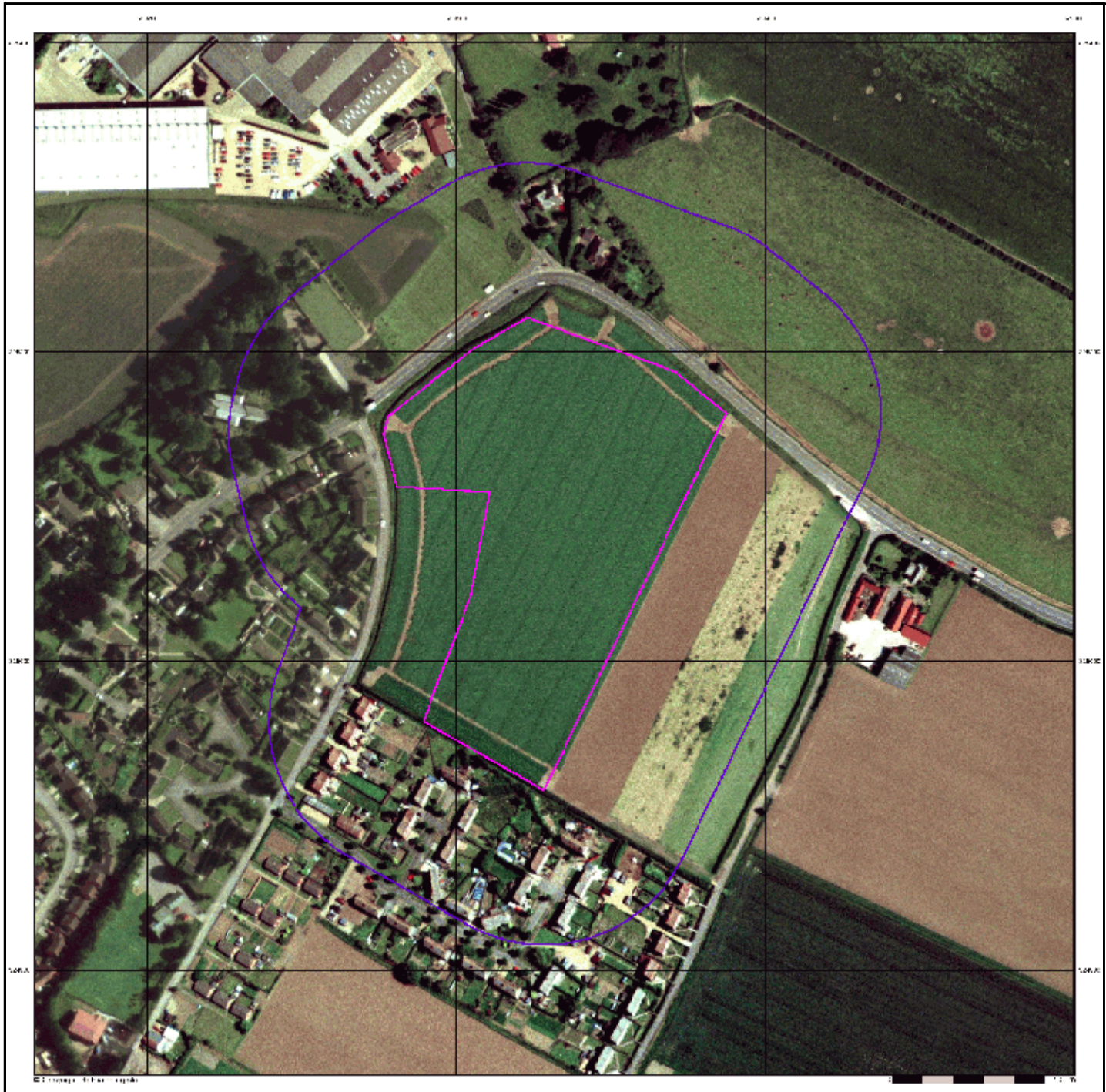
Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	100

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

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

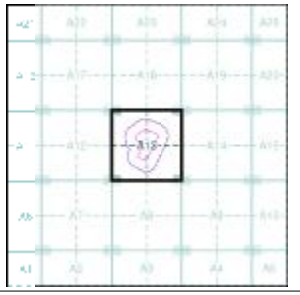


Historical Aerial Photography

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:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	100

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

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

Appendix C

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
97453296_1_1

Customer Reference:
MG159

National Grid Reference:
529450, 325080

Slice:
A

Site Area (Ha):
3.67

Search Buffer (m):
1000

Site Details:

7, Dean Close
Weston
Spalding
PE12 6HG

Client Details:

MR M Gree
Humberside Materials Laboratory Ltd
Atherton Way
Brigg
North Lincolnshire
DN20 8AR

Prepared For:

Seagate Homes

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	-
Geological	10
Industrial Land Use	12
Sensitive Land Use	-
Data Currency	14
Data Suppliers	19
Useful Contacts	20

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Peter Brett Associates Copyright Notice

The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

Report Version v50.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility					n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		1	1	13
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4	Yes			
Pollution Incidents to Controlled Waters	pg 4		2	1	
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability	pg 5	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 5	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 7	Yes	Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage	pg 8			Yes	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 9	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 9				3
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 10	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 10	Yes	Yes		
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 11	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 12		1		5
Fuel Station Entries	pg 12				1
Points of Interest - Commercial Services	pg 12			1	2
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 12		1	1	1
Points of Interest - Public Infrastructure	pg 13				1
Points of Interest - Recreational and Environmental	pg 13			1	
Gas Pipelines					
Underground Electrical Cables					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: Sewerage Network - Pumping Station - Water Company Location: Weston Delgate Tps, Weston, Lincolnshire Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Annnf13677 Permit Version: 1 Effective Date: 14th May 2004 Issued Date: 14th May 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of S Holland Main Drain **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	143	2	529320 324830
2	**Discharge Consents** Operator: Finlay Flowers Uk Limited Property Type: Processing Of Fruit & Veg. Location: Stonegate Weston, Spalding, Lincolnshire, Pe12 6hp Authority: Environment Agency, Anglian Region Catchment Area: Low River Welland (Spalding) Reference: Prnnf12481 Permit Version: 1 Effective Date: 25th February 2002 Issued Date: 28th February 2002 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of Lords Drain **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	365	2	529200 325500
3	**Discharge Consents** Operator: Mr. C. Bustance Property Type: Sewage Disposal Works - Other Location: Bungalow At High Road Moulton, Spalding, Lincs. Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3739 Permit Version: 1 Effective Date: 6th October 1980 Issued Date: 6th October 1980 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SW (E)	537	2	530100 325050
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: Sewage Disposal Works - Water Company Location: Moulton Stw, Moulton, Northampton, Pe12 6jb Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf359 Permit Version: 2 Effective Date: 9th January 1968 Issued Date: 9th January 1968 Revocation Date: 27th June 1990 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drain River Nene **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	621	2	529800 324400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: Sewage Disposal Works - Water Company Location: Moulton Stw, Moulton, Northampton, Pe12 6jb Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf359 Permit Version: 2 Effective Date: 9th January 1968 Issued Date: 9th January 1968 Revocation Date: 27th June 1990 Discharge Type: Unknown Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drain River Nene **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	621	2	529800 324400
4	**Discharge Consents** Operator: Anglian Water Services Ltd. Property Type: Undefined Or Other Location: Moulton Stw Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf359 Permit Version: 3 Effective Date: 9th January 1968 Issued Date: 9th January 1968 Revocation Date: 27th June 1990 Discharge Type: Unknown Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drain River Nene **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	621	2	529800 324400
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: Sewage Disposal Works - Water Company Location: Moulton Stw, Moulton, Northampton, Pe12 6jb Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf359 Permit Version: 1 Effective Date: 8th December 1966 Issued Date: 8th December 1966 Revocation Date: 8th January 1968 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drain River Nene **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	621	2	529800 324400
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: Sewage Disposal Works - Water Company Location: Moulton Stw, Moulton, Northampton, Pe12 6jb Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf806 Permit Version: 5 Effective Date: 27th February 2015 Issued Date: 27th February 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drain **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	638	2	529830 324400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: Sewage Disposal Works - Water Company Location: Moulton Stw, Moulton, Northampton, Pe12 6jb Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf806 Permit Version: 4 Effective Date: 31st March 2010 Issued Date: 31st March 2010 Revocation Date: 26th February 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drain **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	638	2	529830 324400
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: Sewage Disposal Works - Water Company Location: Moulton Stw, Moulton, Northampton, Pe12 6jb Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf806 Permit Version: 3 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drain **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	638	2	529830 324400
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: Sewage Disposal Works - Water Company Location: Moulton Stw, Moulton, Northampton, Pe12 6jb Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf806 Permit Version: 2 Effective Date: 23rd December 2005 Issued Date: 23rd December 2005 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drain **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	638	2	529830 324400
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: Sewage Disposal Works - Water Company Location: Moulton Stw, Moulton, Northampton, Pe12 6jb Authority: Environment Agency, Anglian Region Catchment Area: Low River Nene / South Holland Main Reference: Aw5nf806 Permit Version: 1 Effective Date: 27th June 1990 Issued Date: 27th June 1990 Revocation Date: 22nd December 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Moulton Mere Drain **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	638	2	529830 324400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: J C Clay & Partners Property Type: Arable Farming Location: Turnpike Farm Thorpes Lane, Whapole, Spalding, Lincs, Oe12 6ru Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwnlf40103 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 4th July 2000 Revocation Date: 16th March 2012 Discharge Type: Trade Discharge - Agricultural And Surface Discharge Environment: Onto Land Receiving Water: Groundwater **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SE (E)	787	2	530250 324750
6	**Discharge Consents** Operator: Slator Bros (Farms) Ltd Property Type: Arable Farming Location: Beacon Farm Wisemanship, Weston, Spalding, Lincs, Pe12 6jd Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Gwnlf40224 Permit Version: 1 Effective Date: 31st March 1999 Issued Date: 24th November 2000 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Agricultural And Surface Discharge Environment: Onto Land Receiving Water: Groundwater **Status: Deemed Groundwater Regulations Authorisation** Positional Accuracy: Located by supplier to within 10m	A12NW (W)	818	2	528550 325300
7	**Discharge Consents** Operator: Mr.M.K. Bowers Property Type: Domestic Property (Single) Location: Melandi High Road, Weston, Spalding, Lincs, Pe12 6ju Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3766 Permit Version: 1 Effective Date: 11th March 1981 Issued Date: 11th March 1981 Revocation Date: 8th September 1997 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	993	2	528500 324500
8	**Local Authority Pollution Prevention and Controls** Name: Moulton Service Station Location: 63-67 High Road, Moulton, SPALDING, Lincolnshire, PE12 6PE Authority: South Holland District Council, Environmental Services Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revokedRevoked** Positional Accuracy: Automatically positioned to the address	A14SE (E)	846	3	530361 324851
	Nearest Surface Water Feature	A13SW (W)	0	-	529357 325049
9	**Pollution Incidents to Controlled Waters** Property Type: Food industry Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Crude Sewage Note: Road Side Dyke Incident Date: 25th June 1997 Incident Reference: 2471 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	88	2	529500 325295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Pollution Incidents to Controlled Waters** Property Type: Food industry Location: WESTON Authority: Environment Agency, Anglian Region Pollutant: Crude Sewage Note: Roadside Dyke Incident Date: 25th June 1997 Incident Reference: 2471 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (N)	92	2	529500 325300
10	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Spalding District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Foam Note: Local Dyke Incident Date: 7th July 1997 Incident Reference: 2477 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	314	2	529300 325500
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 24 North Northamptonshire Scale: 1:100,000	A13NW (NE)	0	2	529455 325078
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (NE)	0	4	529455 325078
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (S)	0	4	529455 325000
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (NE)	0	4	529455 325078
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (S)	0	4	529455 325000
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (NE)	0	2	529455 325078
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (E)	0	2	529455 325078
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	7	2	529350 325128
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	7	2	529350 325125
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	9	2	529347 325117
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	20	2	529360 324995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	21	2	529340 325110
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (W)	25	2	529337 325110
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	27	2	529335 325078
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	81	2	529318 325035
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	100	2	529285 324997
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	112	2	529260 325215
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	123	2	529370 324825
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	147	2	529233 324975
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	149	2	529230 324971
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	150	2	529229 324970
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	159	2	529239 324886
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	159	2	529220 324960
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	161	2	529235 324890
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	162	2	529234 324890
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	163	2	529230 324895
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	164	2	529235 324883

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	166	2	529227 324895
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	170	2	529220 324900
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	174	2	529505 325385
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A18SW (N)	190	2	529415 325409
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A12NE (W)	235	2	529125 325204
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	242	2	529169 324840
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	0	2	529533 325171
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	0	2	529443 325078
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	1	2	529550 325185
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	50	2	529620 325140
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (E)	53	2	529623 325111
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	125	2	529250 325225
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	144	2	529710 325110
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	148	2	529653 324961
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	166	2	529650 324935
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (W)	205	2	529155 325201

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	221	2	529143 325220
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (NW)	233	2	529135 325231
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	249	2	529173 324820
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	Detailed River Network Lines None				
11	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D005	A18SW (N)	266	2	529344 325468
12	**Detailed River Network Offline Drainage** River Type: Tertiary River Hydrographic Area: D005	A14SW (E)	403	2	529952 325021

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: South Holland District Council - Has no landfill data to supply		0	3	529455 325078
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	5	529455 325078
13	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A7NE (SW)	640	-	528867 324577
14	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A7SE (SW)	903	-	528888 324204
15	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A11SE (W)	993	-	528404 324775

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: West Walton Formation, Ampthill Clay Formation And Kimmeridge Clay Formation (Undifferentiated)	A13NW (NE)	0	4	529455 325078
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NE)	0	4	529455 325078
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	129	4	529290 325271
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	4	529455 325078
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	4	529455 325000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	4	529455 325078
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	4	529455 325000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	4	529455 325000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	4	529455 325078
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	4	529455 325000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	4	529455 325078
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	4	529455 325078
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	4	529455 325000

Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	4	529455 325000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	4	529455 325078
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	4	529455 325078
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	4	529455 325001
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (NE)	0	4	529455 325078
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	4	529455 325001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Contemporary Trade Directory Entries** Name: C R Bustance Wholesale Meat Location: Wimberley Hall Farm, Stone Gate, Weston, Spalding, Lincolnshire, PE12 6HR Classification: Meat - Wholesale **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	190	-	529458 325411
17	**Contemporary Trade Directory Entries** Name: The Mower Centre Ltd Location: High Road, Weston, Spalding, Lincolnshire, PE12 6JU Classification: Lawnmowers & Garden Machinery - Sales & Service **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	770	-	528667 324669
18	**Contemporary Trade Directory Entries** Name: Consortium Location: 59, High Road, Moulton, Spalding, Lincolnshire, PE12 6PE Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	819	-	530335 324859
18	**Contemporary Trade Directory Entries** Name: Moulton Service Station Location: 63-67, High Road, Moulton, Spalding, Lincolnshire, PE12 6PE Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	846	-	530361 324851
18	**Contemporary Trade Directory Entries** Name: Baytree Car Sales Location: 65-67, High Road, Moulton, Spalding, Lincolnshire, PE12 6PE Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	895	-	530407 324832
18	**Contemporary Trade Directory Entries** Name: Sandersons Location: 65-67, High Road, Moulton, Spalding, PE12 6PE Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	895	-	530407 324832
19	**Fuel Station Entries** Name: Moulton Service Station Location: 63-67 High Road, Moulton, SPALDING, Lincolnshire, PE12 6PE Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A14SE (E)	887	-	530399 324835
20	**Points of Interest - Commercial Services** Name: Fenland Container Services Location: 1 St. Lamberts Grove, Weston, Spalding, PE12 6WD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	466	6	529003 324686
21	**Points of Interest - Commercial Services** Name: Sandersons Location: 63-67 High Road, Moulton, Spalding, PE12 6PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	846	6	530361 324851
21	**Points of Interest - Commercial Services** Name: Sandersons Location: 63-67 High Road, Moulton, Spalding, PE12 6PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	846	6	530361 324851
22	**Points of Interest - Manufacturing and Production** Name: Tank Location: PE12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	204	6	529279 325357
23	**Points of Interest - Manufacturing and Production** Name: W H C Hutchinson & Sons Location: 31 Edgefield, Weston, Spalding, PE12 6RQ Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A12SE (SW)	334	6	529117 324753

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Points of Interest - Manufacturing and Production** Name: Works Location: PE12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	684	6	529887 324385
25	**Points of Interest - Public Infrastructure** Name: Sewage Works Location: PE12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A9SW (SE)	655	6	529849 324392
26	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Wimberley Close, PE12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7NE (SW)	408	6	529053 324716

Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Boston Borough Council - Pollutions Section, Environmental Health	February 2015	Annual Rolling Update
South Holland District Council - Environmental Services	October 2013	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	July 2016	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Anglian Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - Anglian Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - Anglian Region	July 2016	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Boston Borough Council - Pollutions Section, Environmental Health	December 2014	Annual Rolling Update
South Holland District Council - Environmental Services	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Boston Borough Council - Pollutions Section, Environmental Health	December 2014	Annual Rolling Update
South Holland District Council - Environmental Services	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Boston Borough Council - Pollutions Section, Environmental Health	December 2014	Annual Rolling Update
South Holland District Council - Environmental Services	October 2014	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - Anglian Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Anglian Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - Anglian Region	March 2013	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Northern Area	July 2016	Quarterly
Water Abstractions		
Environment Agency - Anglian Region	July 2016	Quarterly
Water Industry Act Referrals		
Environment Agency - Anglian Region	July 2016	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones		
Environment Agency - Head Office	August 2016	Quarterly

Data Currency

Agency & Hydrological	Version	Update Cycle
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2016	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2016	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2016	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2016	Quarterly
Flood Defences Environment Agency - Head Office	August 2016	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	August 2016	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Northern Area	July 2016	Quarterly
Local Authority Landfill Coverage		
Boston Borough Council - Pollutions Section, Environmental Health	May 2000	Not Applicable
Lincolnshire County Council	May 2000	Not Applicable
South Holland District Council - Environmental Services	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Boston Borough Council - Pollutions Section, Environmental Health	June 2003	Not Applicable
Lincolnshire County Council	May 2000	Not Applicable
South Holland District Council - Environmental Services	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	July 2016	Bi-Annually
Explosive Sites		
Health and Safety Executive	February 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Boston Borough Council - Planning Department	February 2016	Annual Rolling Update
South Holland District Council	January 2016	Annual Rolling Update
Lincolnshire County Council - Highways and Planning Department	June 2010	Annual Rolling Update
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Annual Rolling Update
Boston Borough Council - Planning Department	February 2016	Annual Rolling Update
South Holland District Council	January 2016	Annual Rolling Update

Data Currency

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	June 2016	Quarterly
Fuel Station Entries Catalist Ltd - Experian	July 2016	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	September 2016	Quarterly
Points of Interest - Education and Health PointX	September 2016	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2016	Quarterly
Points of Interest - Public Infrastructure PointX	September 2016	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2016	Quarterly
Underground Electrical Cables National Grid	January 2016	Bi-Annually

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2016	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	April 2016	Bi-Annually
Environmentally Sensitive Areas Natural England	April 2016	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2016	Bi-Annually
Marine Nature Reserves Natural England	April 2016	Bi-Annually
National Nature Reserves Natural England	April 2016	Bi-Annually
National Parks Natural England	August 2016	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites Natural England	April 2016	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2016	Bi-Annually
Special Areas of Conservation Natural England	April 2016	Bi-Annually
Special Protection Areas Natural England	April 2016	Bi-Annually
World Heritage Sites English Heritage - National Monument Record Centre	September 2015	Bi-Annually

Data Suppliers

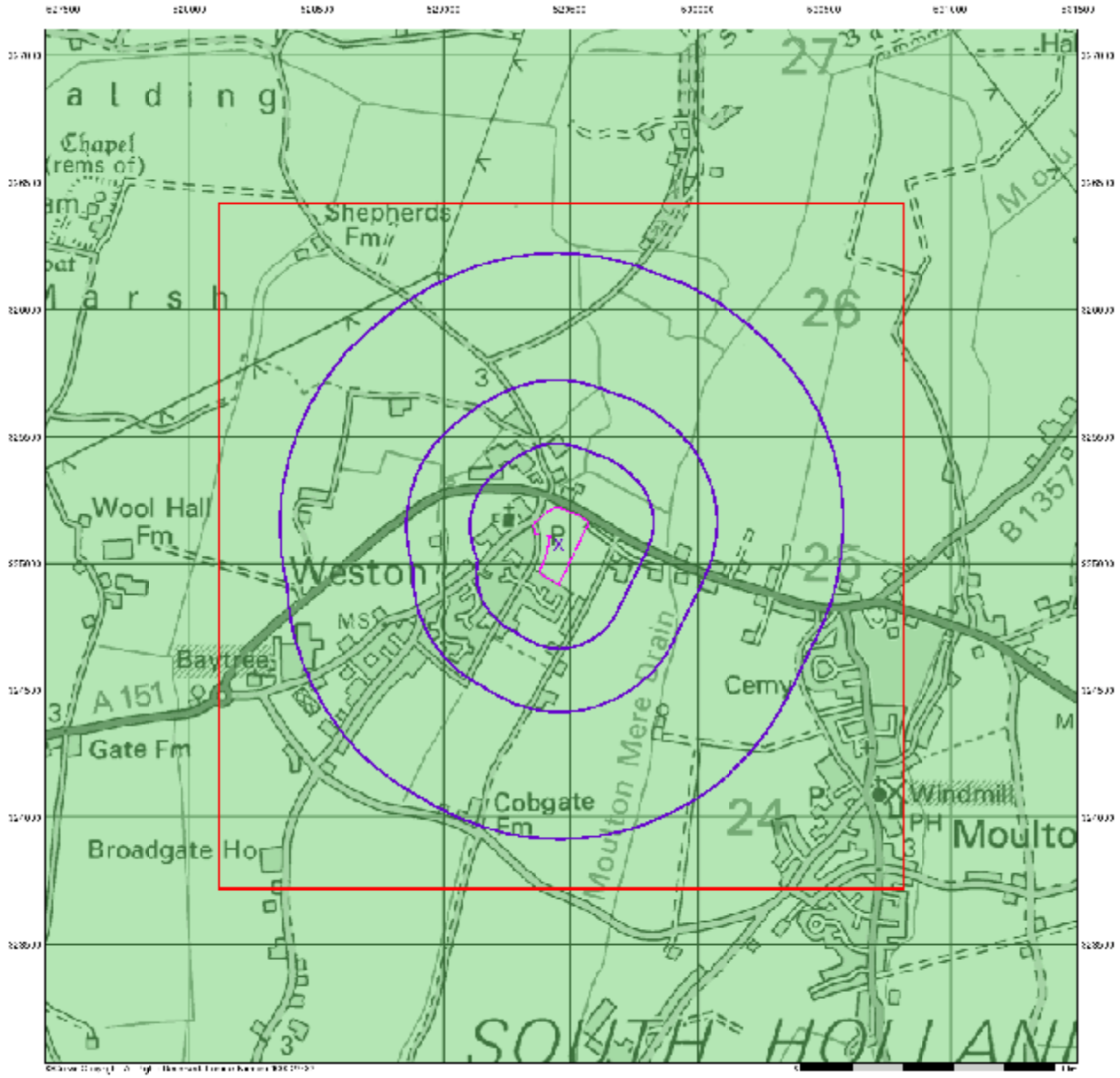
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**South Holland District Council - Environmental Services** Council Offices, Priory Road, Spalding, Lincolnshire, PE11 2XE	Website: www.sholland.gov.uk
4	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
6	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
8	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Groundwater Vulnerability

General

Agency and Hydrological

Geological Classes | Soil Classes

Major Aquifer (Highly Permeable)

Minor Aquifer (Mostly Permeable)

Non Aquifer (Negligibly Permeable)

Water or Sea

Not Classified

Site Sensitivity Context Map - Slice A



N

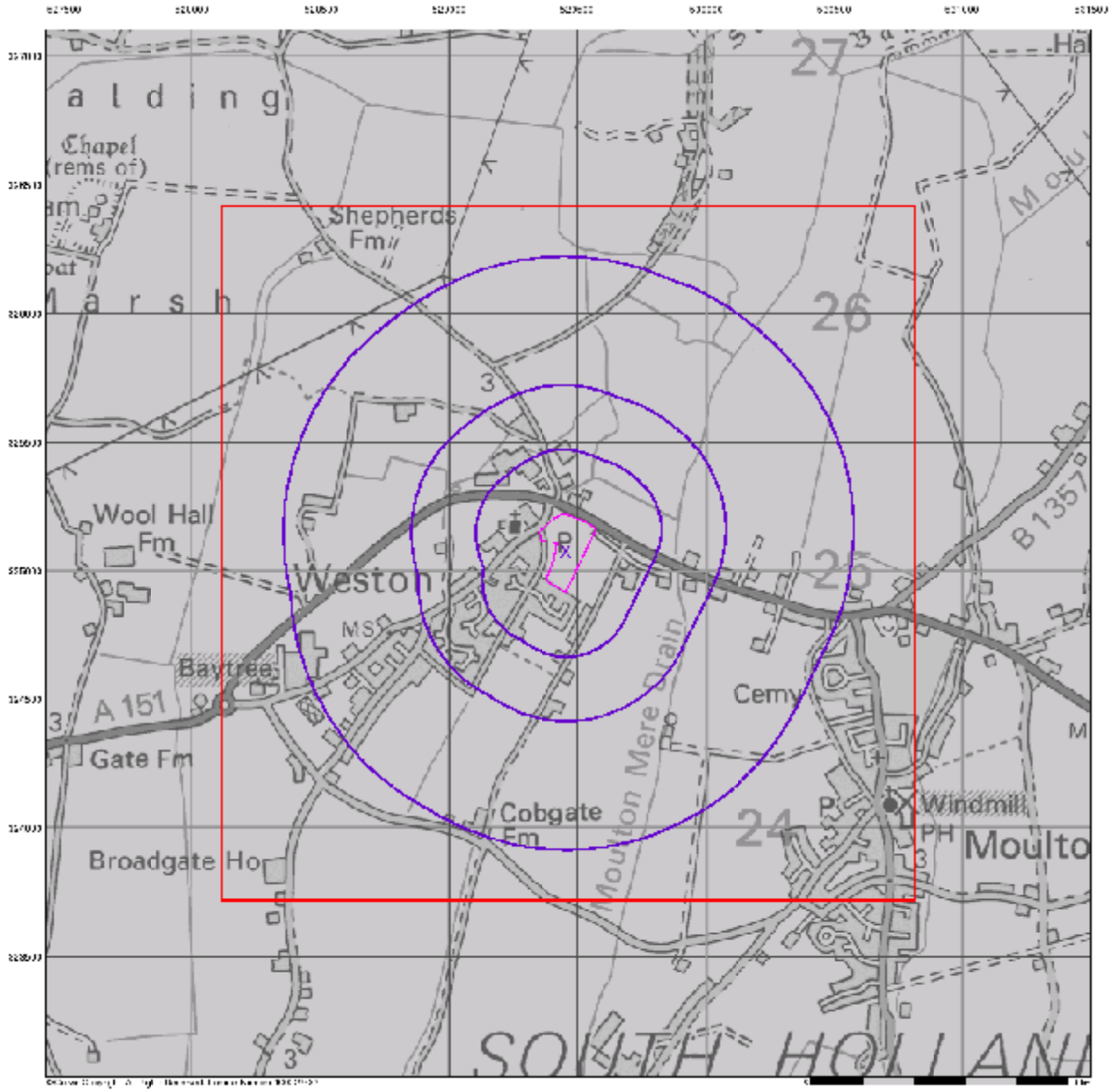
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Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	1000

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

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



Bedrock Aquifer Designation

General

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unrated
- Unknown (Lakes and Landfill)

Site Sensitivity Context Map - Slice A



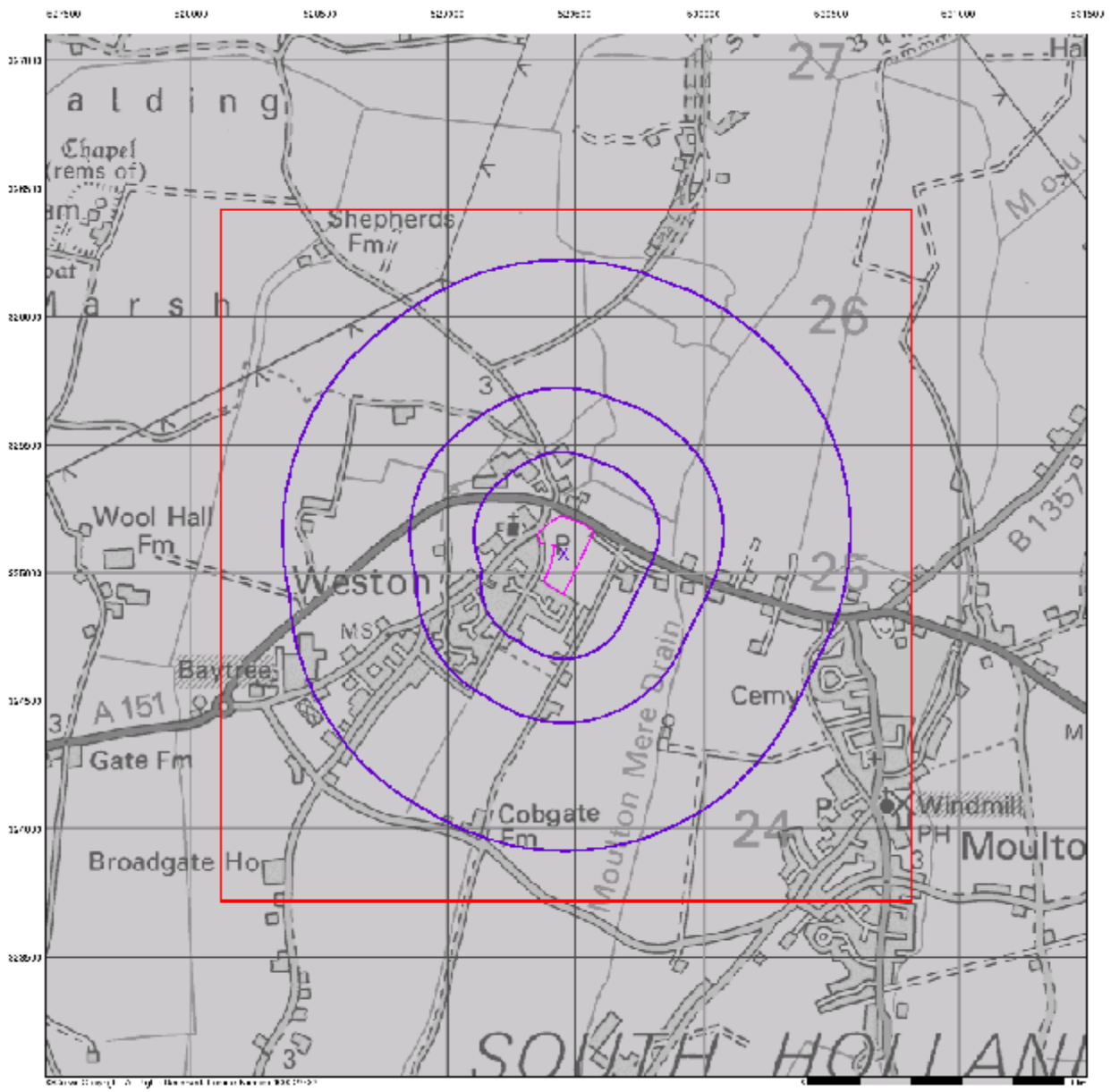
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Superficial Aquifer Designation

General

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unrated
- Unknown (Lakes and Landfill)

Site Sensitivity Context Map - Slice A



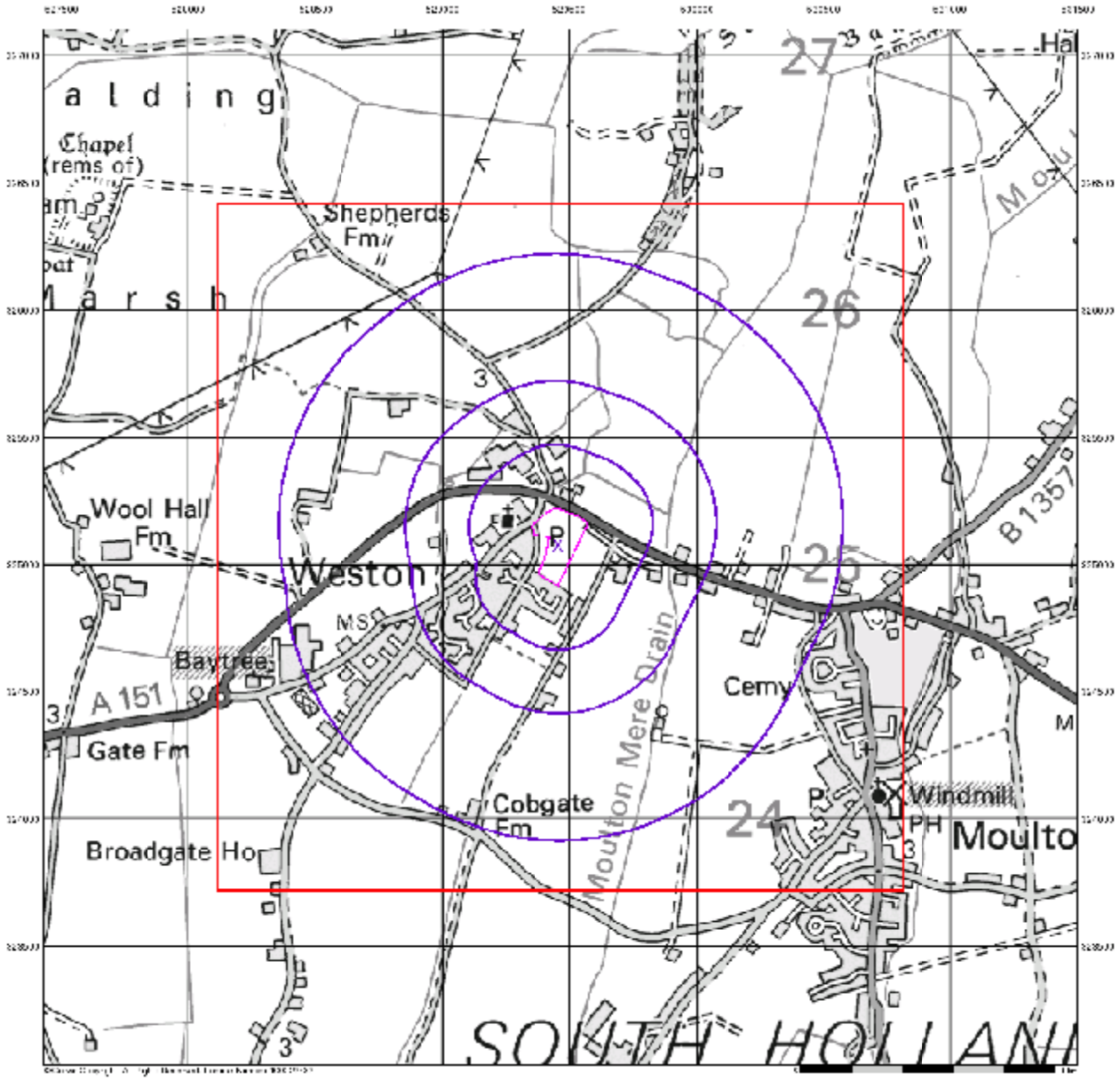
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Search Buffer (m):	1000

Site Details

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Source Protection Zones

General

Agency and Hydrological

Site Sensitivity Context Map - Slice A



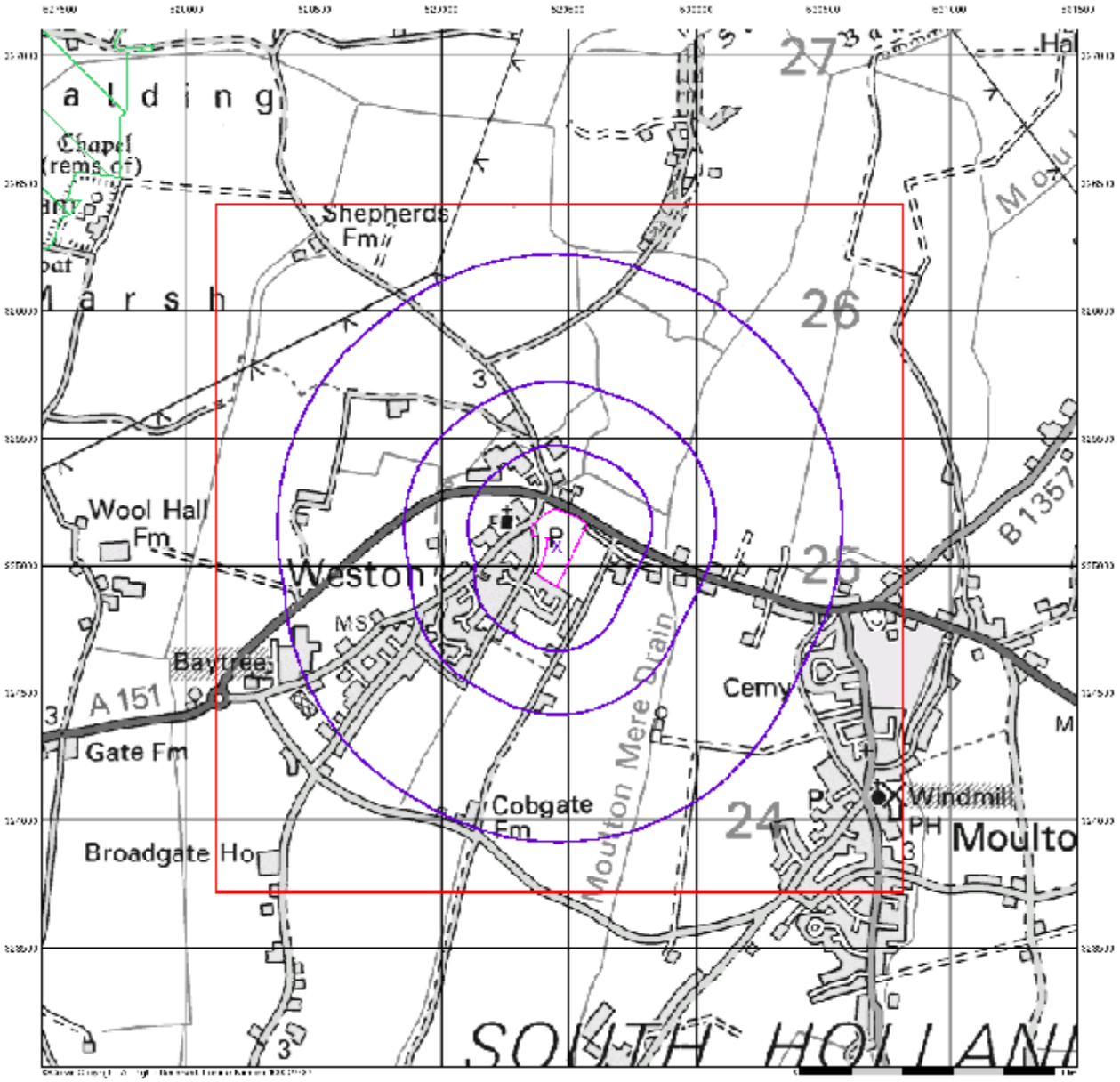
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Site Details

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Landmark
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Sensitive Land Uses

General

Sensitive Land Uses

Site Sensitivity Context Map - Slice A



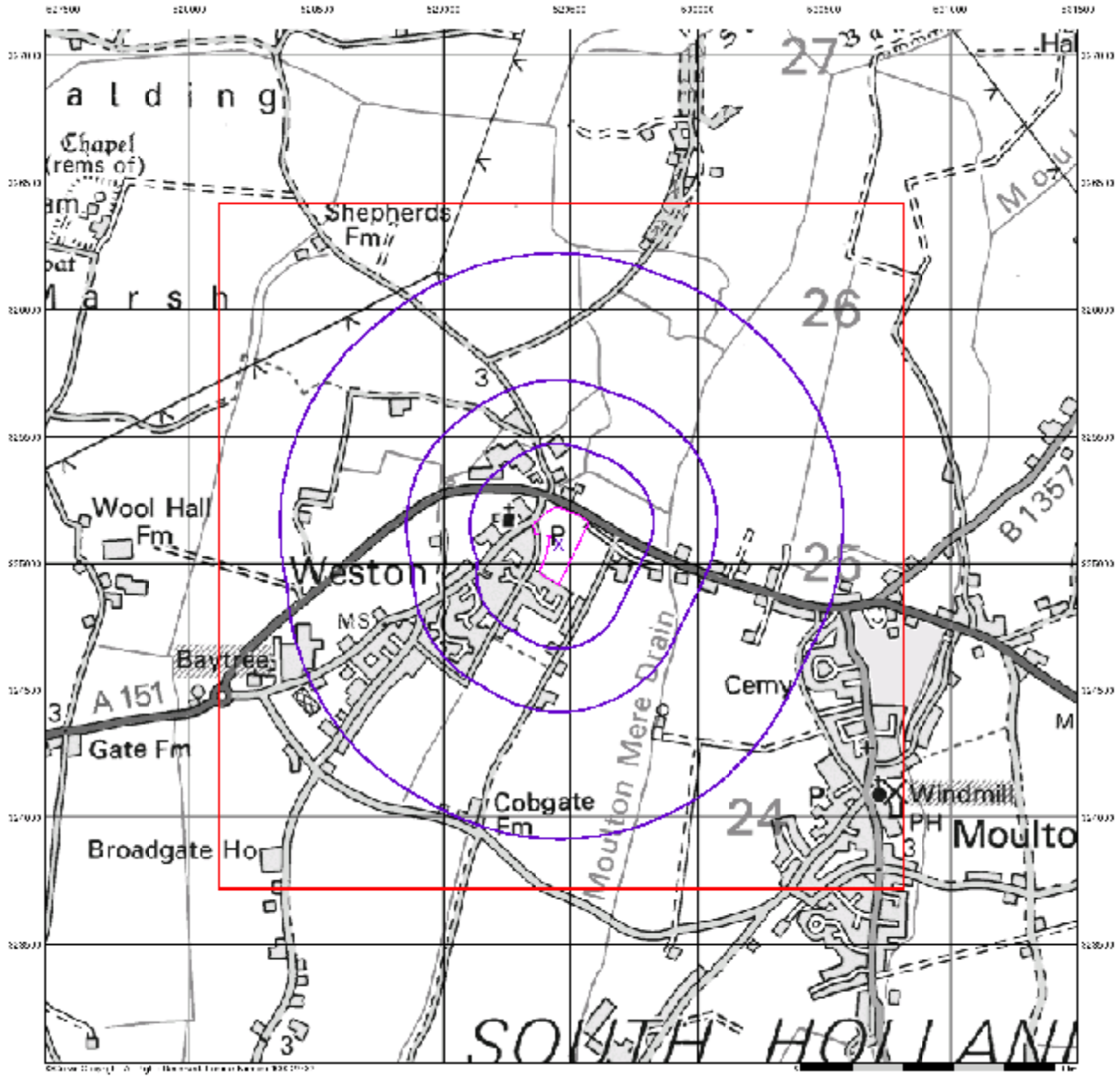
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Search Buffer (m):	1000

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark
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BGS Flood GFS Data

General

Agency and Hydrological (Flood)

Site Sensitivity Context Map - Slice A



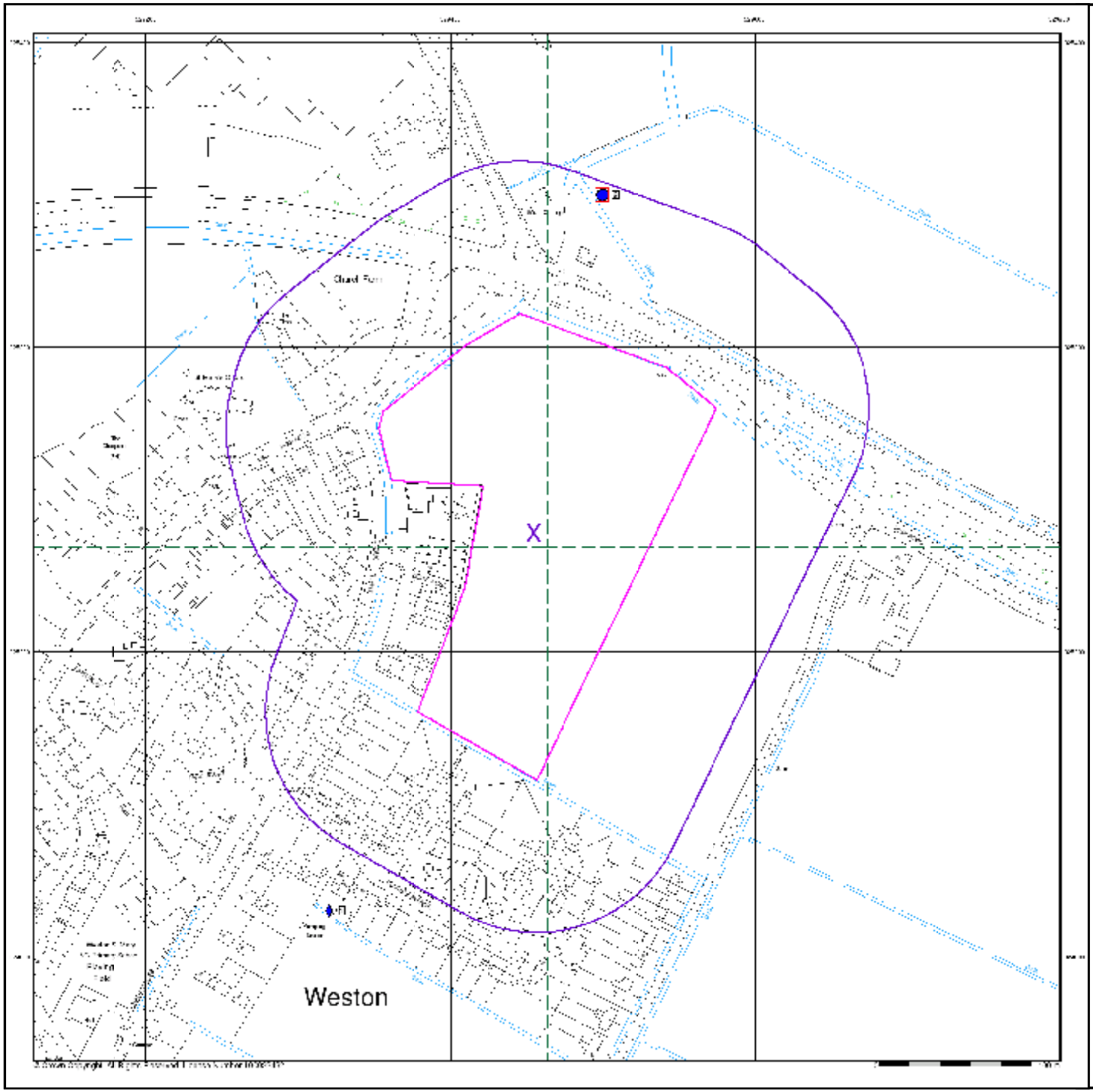
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Site Details

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General

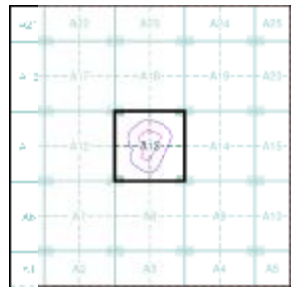
Agency and Hydrological

Waste

Hazardous Substances

Geological

Site Sensitivity Map - Segment A13



Order Details

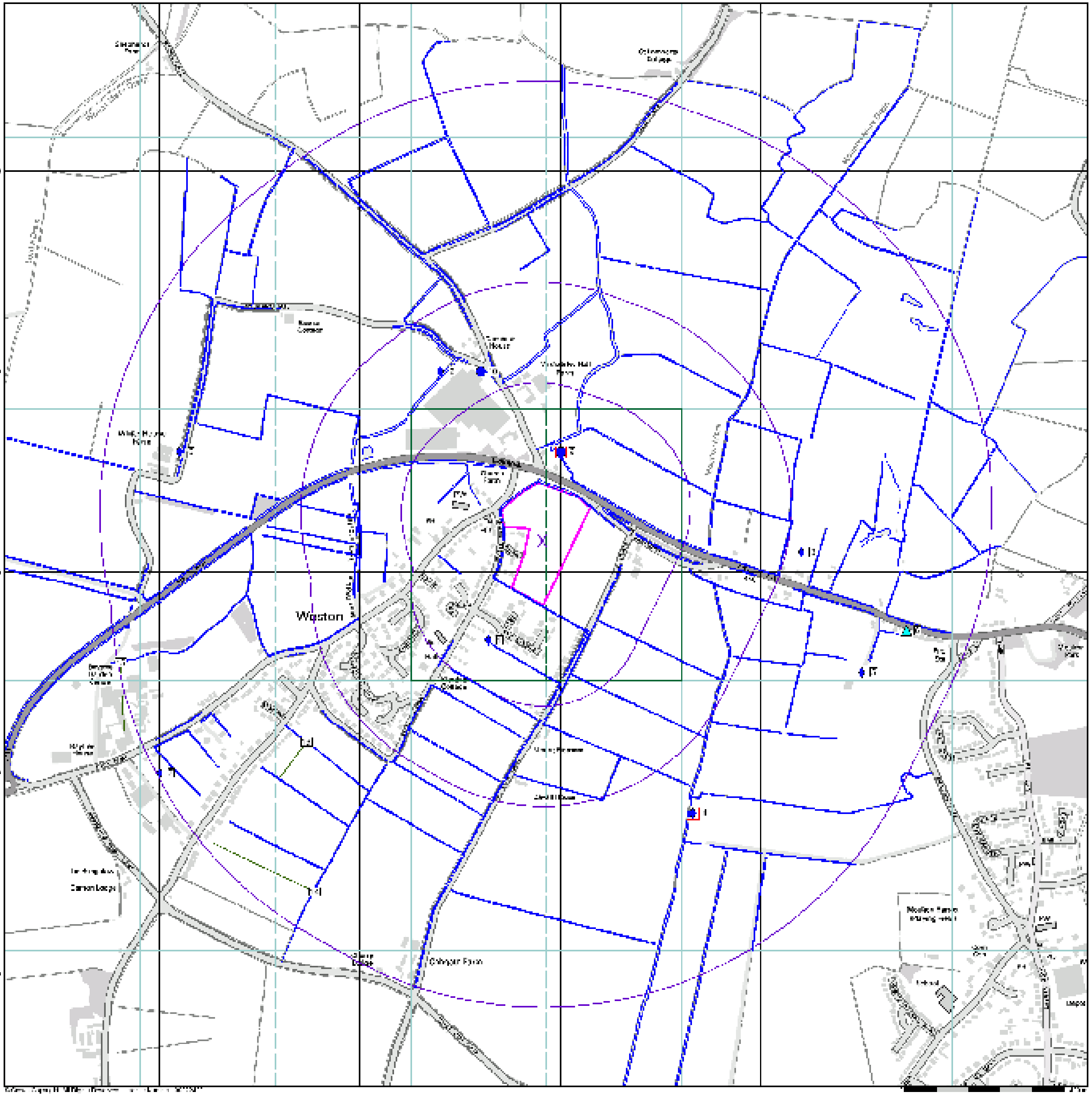
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Plot Buffer (m):	100

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

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Fax: 0844 844 9951
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General

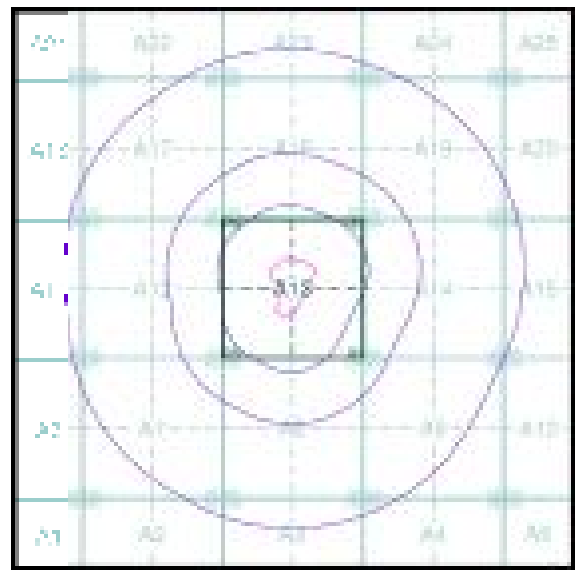
Agency and Hydrological

Waste

Hazardous Substances

Geological

Site Sensitivity Map - Slice A



Order Details

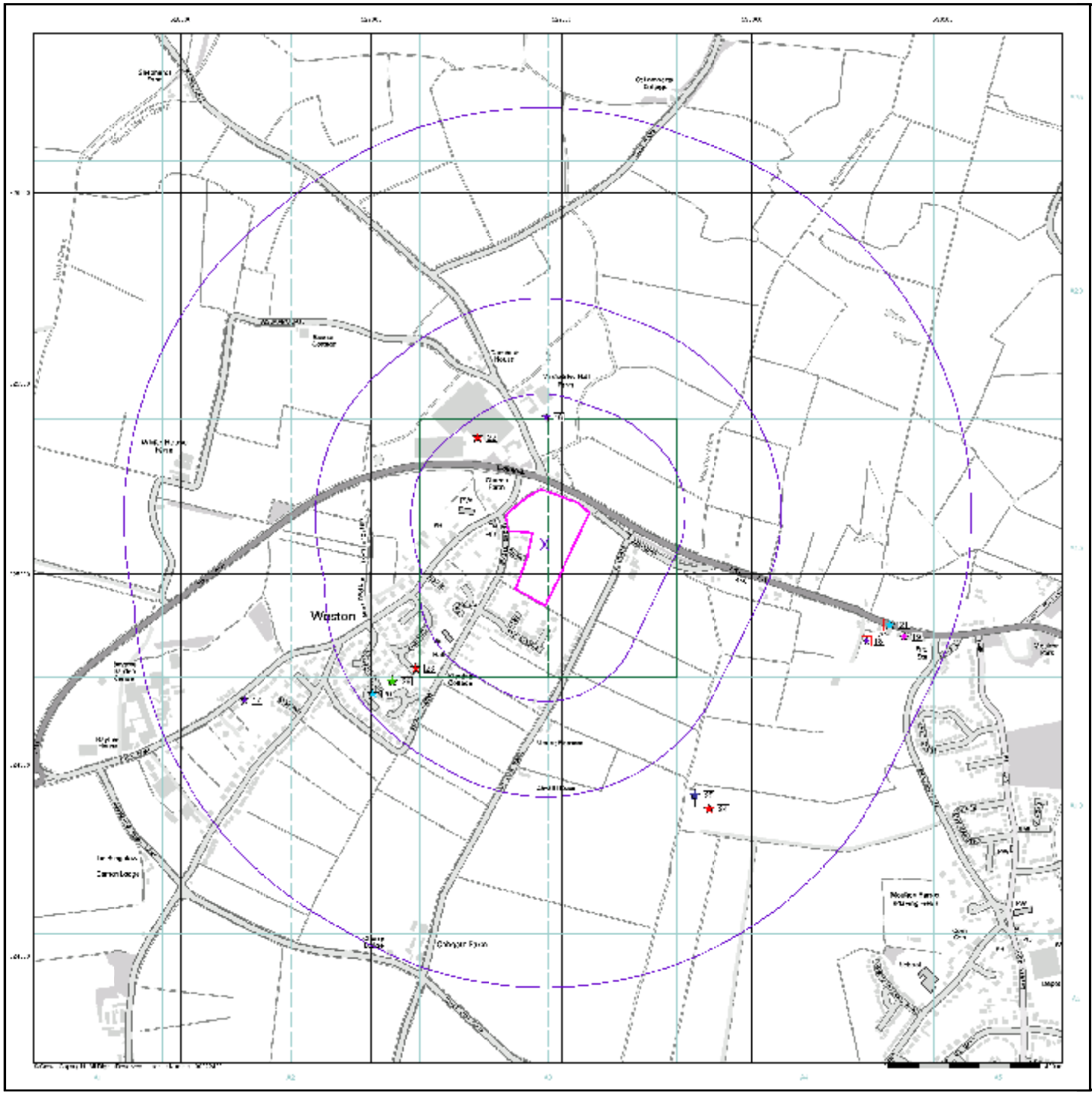
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Slice: A
Site Area (Ha): 3.67
Search Buffer (m): 1000

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

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

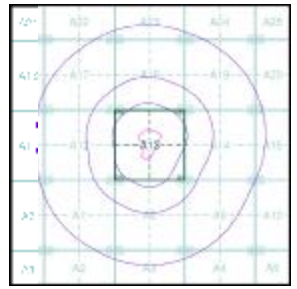


Industrial Land Use Map

General

Industrial Land Use

Industrial Land Use Map - Slice A



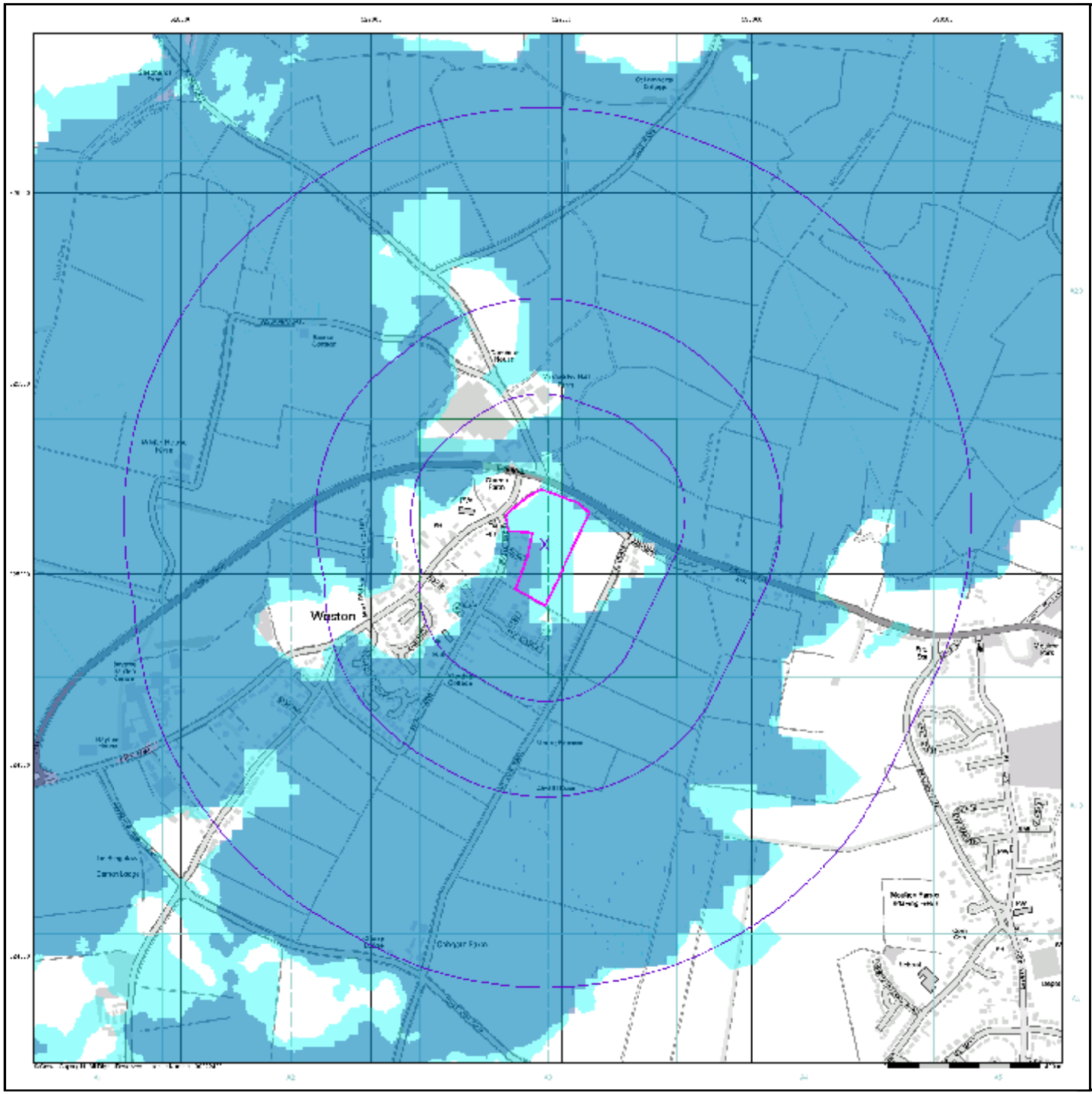
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Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

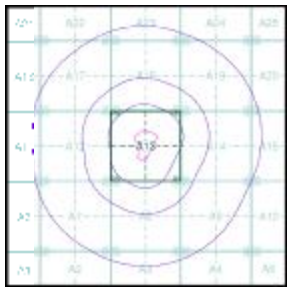
Landmark
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



General

Agency and Hydrological (Flood)

Flood Map - Slice A



N

Order Details

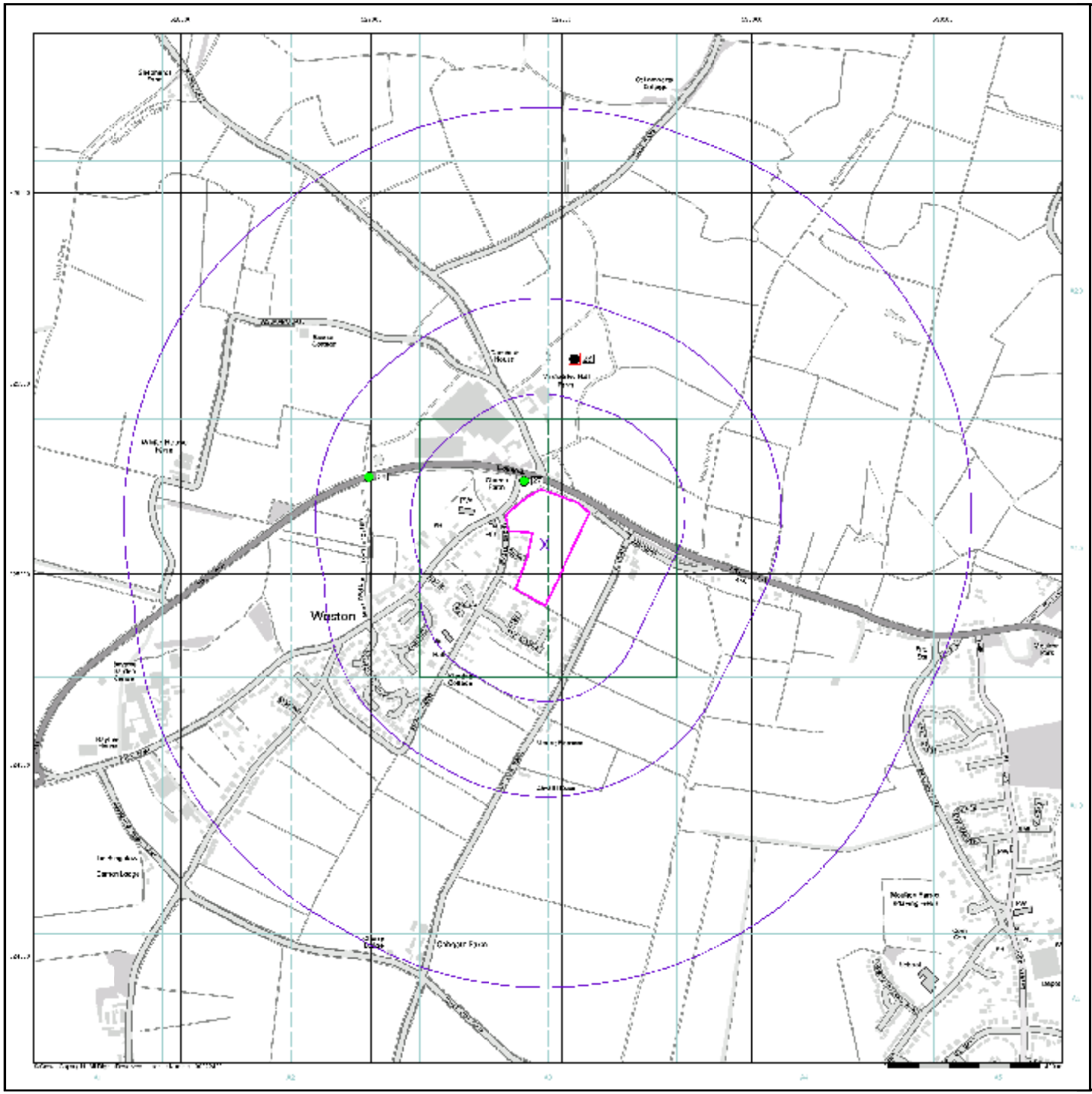
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National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	1000

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

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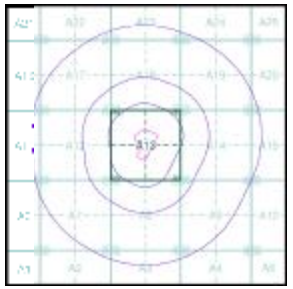
General

Agency and Hydrological (Boreholes)

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

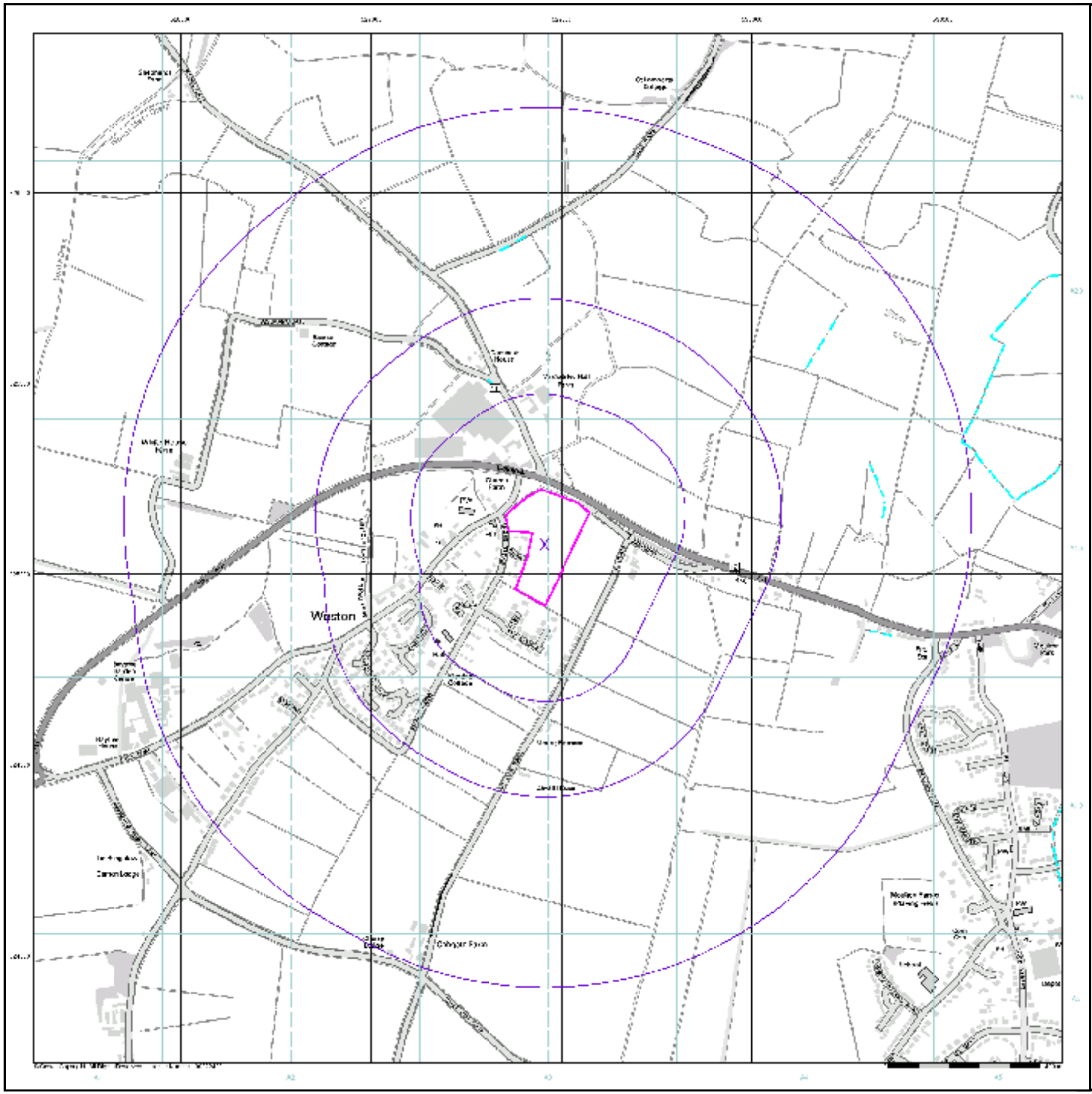
Order Number:	97453296_1_1
Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	1000

Site Details

7, Dean Close, Weston, Spalding, PE12 6HG

Landmark

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

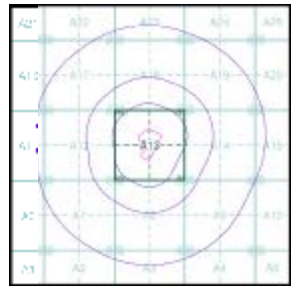


General

Detailed River Network Data

Contours (height in metres)

EA/NRW Detailed River Network Map - Slice A



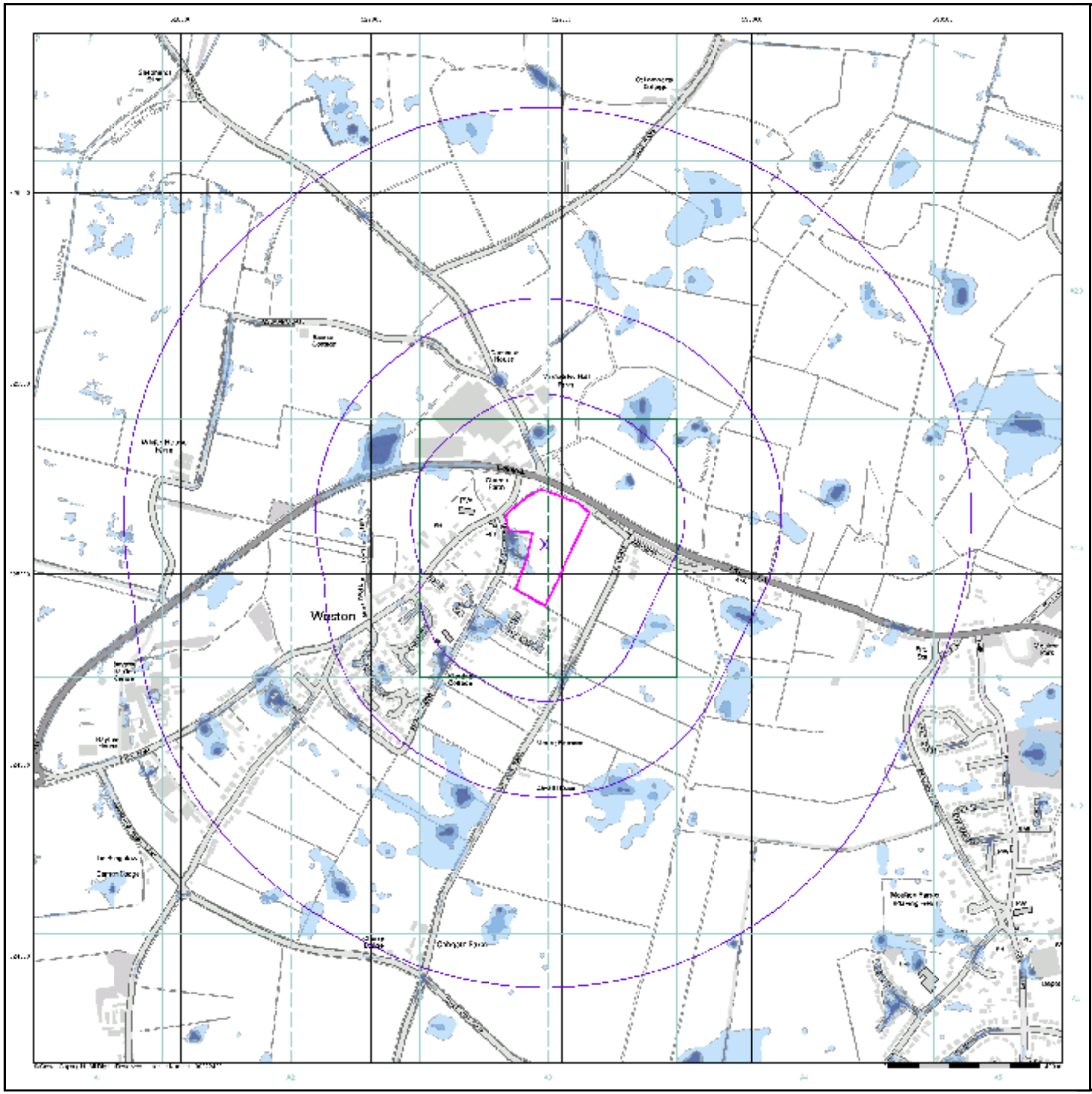
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Customer Ref:	MG159
National Grid Reference:	529450, 325080
Slice:	A
Site Area (Ha):	3.67
Search Buffer (m):	1000

Site Details

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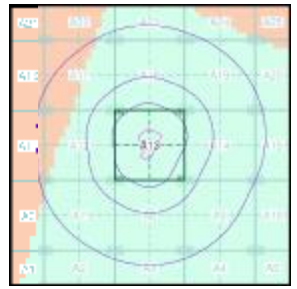


General

Risk of Flooding from Surface Water

Suitability

EA/NRW Suitability Map - Slice A



N

Order Details

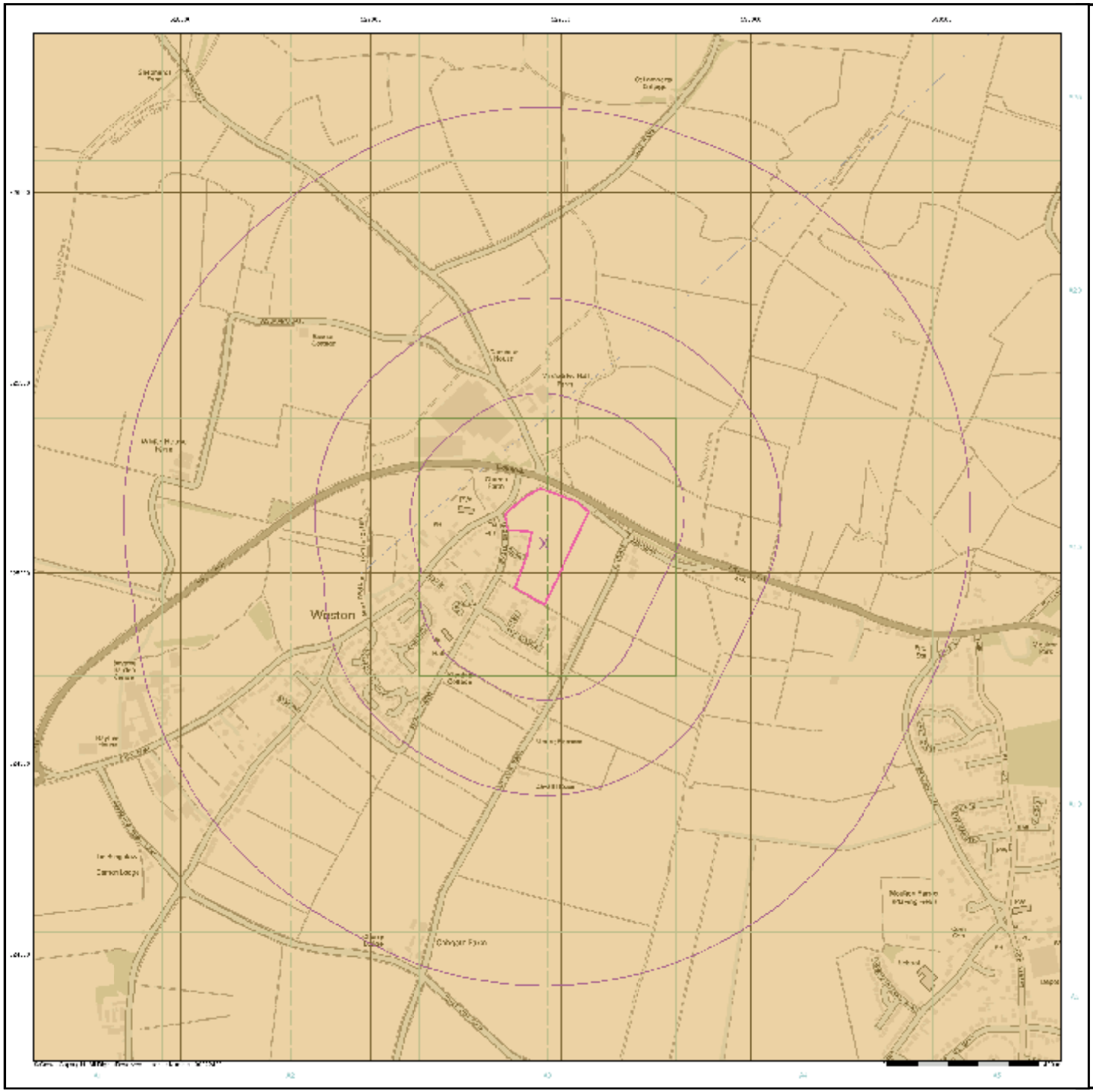
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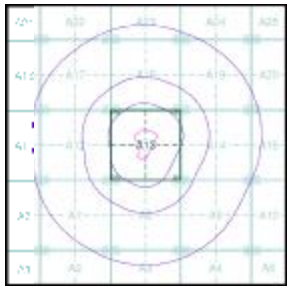
General

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



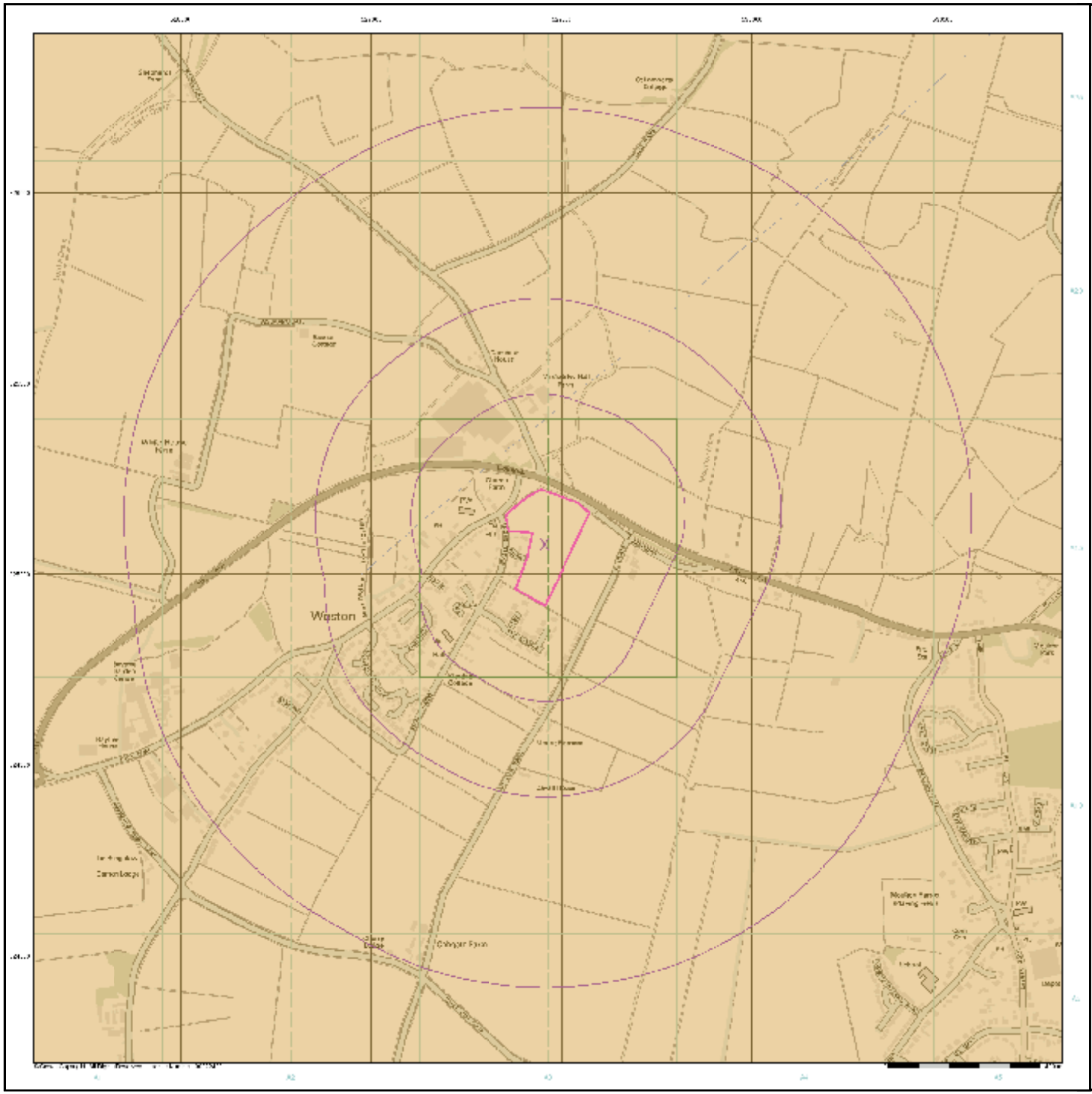
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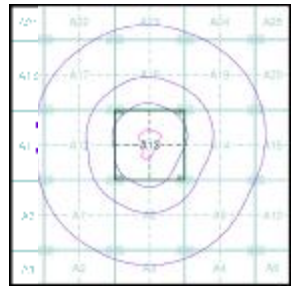
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General

Estimated Soil Chemistry Cadmium

Estimated Soil Chemistry Cadmium - Slice A



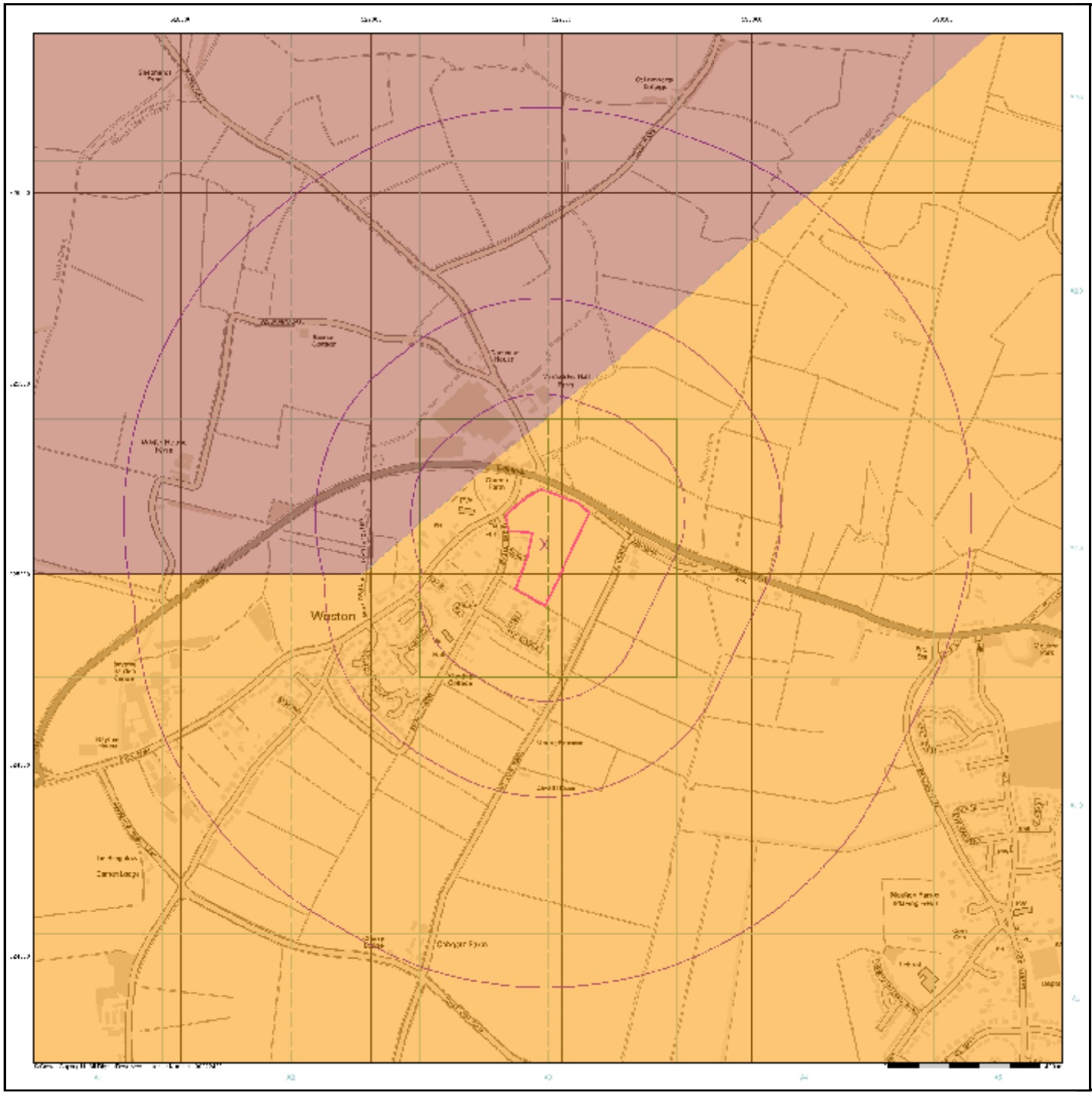
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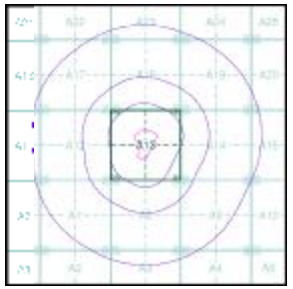
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General

Estimated Soil Chemistry Chromium

Estimated Soil Chemistry Chromium - Slice A

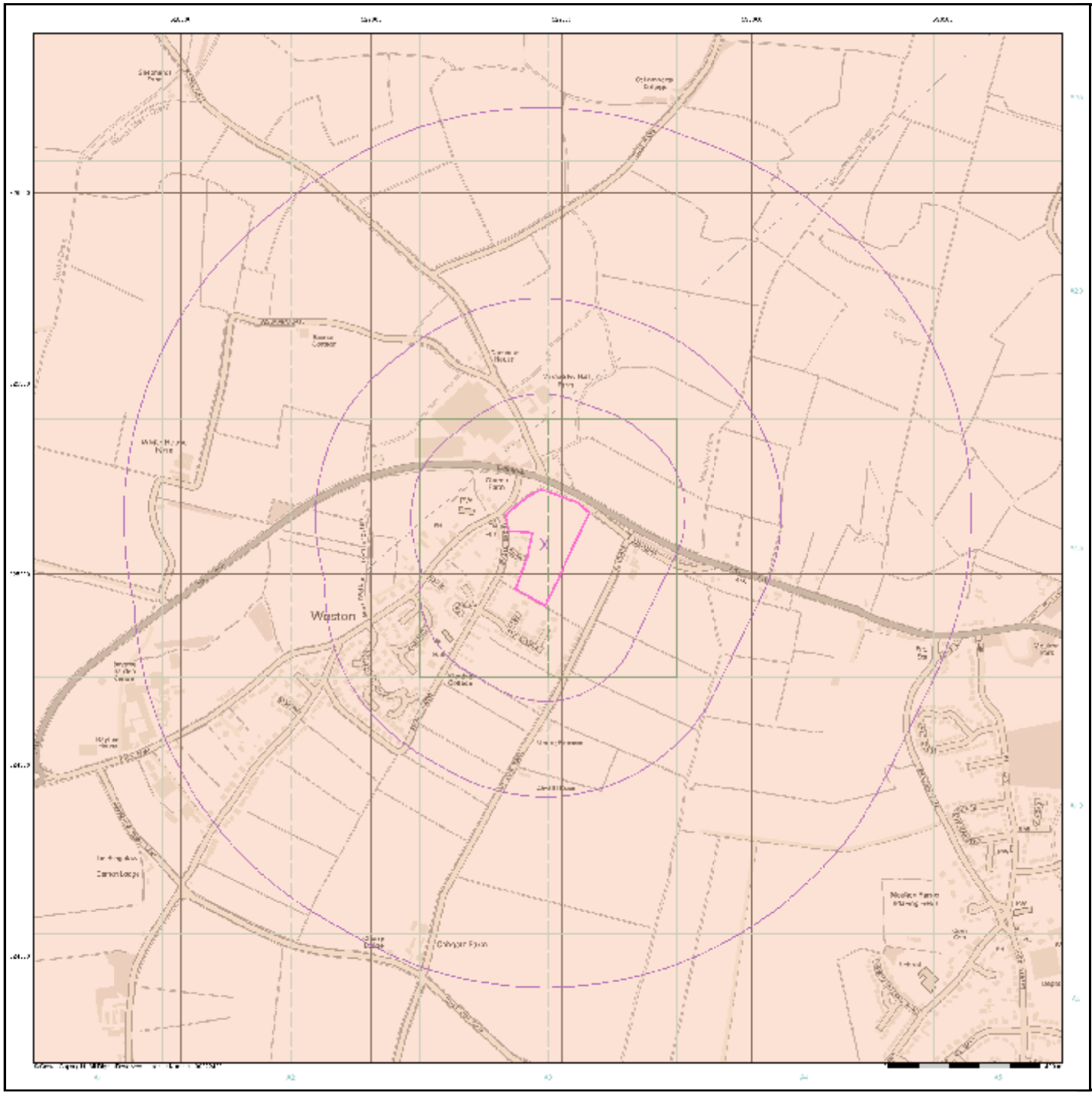


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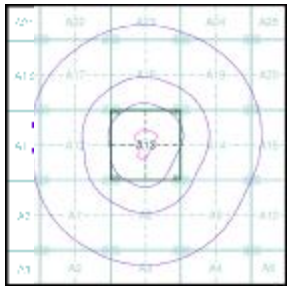
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General

Estimated Soil Chemistry Lead

Estimated Soil Chemistry Lead - Slice A



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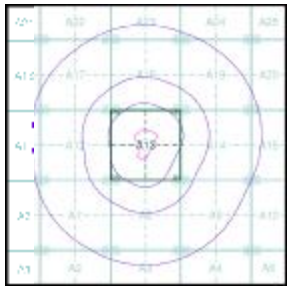


General

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

Estimated Soil Chemistry Nickel - Slice A



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