

## GEOSPHERE ENVIRONMENTAL

REPORT NUMBER: 5956,DS,DESK,AH,TP,18-10-21,V1

SITE: Anglia Business Park, Wattisham Road, Ringshall,  
Suffolk, IP14 2HX

DATE: 18/10/2021



**DOCUMENT CONTROL SHEET**

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Project Name: Anglia Business Park, Wattisham Road, Ringshall, Suffolk, IP14 2HX  
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**VERSION RECORD**

Version:	Date:	Document Details:	Prepared By:	Admin:
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## Executive Summary

<b>Introduction</b>	<p>Geosphere Environmental Ltd was commissioned by Wilkinson Planning Ltd on behalf of the Client, Anglia Business Park Limited, to undertake a Phase 1 Desk Study and Preliminary Risk Assessment for a proposed commercial development at Anglia Business Park, Wattisham Road, Ringshall, Suffolk, IP14 2HX.</p> <p>It was understood that the site is to be developed into commercial units consisting of Class E (office), B2 (general industrial) and / or B8 (storage and distribution) uses. It is further understood than currently, the exact number of units is being finalised.</p>
<b>Site Location</b>	<p>The subject site was situated in Ringshall, Suffolk, and may be located by National Grid Reference (NGR) TM 02148 52328.</p>
<b>Site Description</b>	<p>As the site is quite varied, it is recommended the full site description be reviewed in section</p>
<b>History</b>	<p>The earliest available mapping, dated 1884, showed the subject site to comprise of two agricultural fields bisected by a field boundary partially formed by mature deciduous trees. It remained this way until 1958, when it was depicted as a single field. The site was depicted as developed by the 1995 map edition and the 1999 aerial photography and similar to that of the site condition at the time of the walkover.</p>
<b>Preliminary Conceptual Site Model</b>	<p>The desk-based research and historical review identified the following potential hazards on the site:</p> <ul style="list-style-type: none"> <li>• Asbestos (from structures, at surface, within stockpiles and stockpiled separately);</li> <li>• Plant rooms, oil tanks, metal bund and oil containers;</li> <li>• Electrical substations; and</li> <li>• Stockpiles of dumped material, potentially disturbed ground (Made Ground).</li> </ul> <p>The main receptors with viable pathways from identified sources were end users and construction workers.</p>
<b>Conclusions</b>	<p>Based upon the findings of the preliminary risk assessment and site walkover, a number of potential contaminant sources and pathways to potential receptors have been identified and that further intrusive ground investigation is required.</p>
<p><b>This Executive Summary only provides a summary of the site data and its assessment. It does not provide a definitive engineering analysis and is for guidance only. It is recommended that the reader reviews the report in its entirety and any material referenced therein.</b></p>	

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## 1. INTRODUCTION

Geosphere Environmental Ltd was commissioned by Wilkinson Planning Ltd on behalf of the Client, Anglia Business Park Limited, to undertake a Phase 1 Desk Study and Preliminary Risk Assessment for a proposed commercial development at Anglia Business Park, Wattisham Road, Ringshall, Suffolk, IP14 2HX.

It was understood that the site is to be developed into commercial units consisting of Class E (office), B2 (general industrial) and / or B8 (storage and distribution) uses. It is further understood than currently, the exact number of units is being finalised.

The primary objectives of the preliminary risk assessment were to:

- Provide an assessment of environmental sensitivity at the site and the surrounding area in relation to any suspected or known contamination which may significantly affect the site and the proposed development; and
- Indicate whether further works are required, and the nature of the works, to enable a more complete assessment of the site.

These were achieved by:

- Undertaking a walkover of the site;
- Researching and assessing the available information regarding the current site status, including recorded geology, hydrogeology and hydrology of the site and surrounding area and the history of the site; and
- Developing a Preliminary Conceptual Site Model.

A Proposed Development Plan, Drawing ref. 5442-0102 Rev P01 by KLH Architects dated 15<sup>th</sup> July 2021, is provided within Appendix 6.

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## 2. SITE SETTINGS

### 2.1 Site Location

The subject site was situated in Ringshall, Suffolk, and may be located by National Grid Reference (NGR) TM 02148 52328.

### 2.2 Site Description

A site walkover was undertaken on 14 October 2021. At the time of the walkover the site was reasonably level, roughly rectangular, comprised around one third hardstanding/structures and two-thirds softstanding. The site boundaries and some isolated areas around structures were overgrown with vegetation and some buildings were deemed unsafe to enter.

It is understood that the site was recently cleared of high grasses and was historically a military site associated with Wattisham Airfield to the south. Two engineering firms were operating onsite with a joinery firm located just off site to the south west.

The following description should be read in conjunction with Drawing 5956,DS/002/Rev0 'Site Plan' provided in Appendix 6 which shows the structures and features described below.

The structures present onsite fell broadly into two categories. They were either older structures, in a general state of disrepair, or more recently constructed structures that were in not such a dilapidated state – this included metal clad structures, portacabins and a temporary metal framed dome.

The older structures were in variable states of dilapidation with many unsafe to enter having collapsed or in the process of collapsing. They were generally either demountable units, or wooden, brick or cement clad structures. The older structures appeared to have potentially asbestos containing materials (PACM) used within the building fabric, usually in the form of cement bound roofing sheets, guttering, pipework and/or associated with the electrics contained within, e.g. flash pads. Details of PACM within buildings are included on the site plan.

Two bunded oil tanks, three plant rooms, a metal bund, three electrical substations (or similar electrical apparatus) and two areas of burning were noted to be present on site.

Two areas of ground appeared disturbed, with brick and concrete fragments at the surface, which may be where material had previously been stockpiled or be indicative of Made Ground presence. Five areas of apparently dumped material were present on the site which appeared to contain a mixture of organic and inert material without any visible PACM. Another two stockpiles of organic material and soil to the north east of the site included fragments of cement visually assessed to be PACM.

PACM in the form of cement bound fragments at the ground surface were present towards the south east of the site. A stockpile of PACM corrugated cement sheets (inferred removed from onsite structures) was noted to be present to the north of the site along with a number of oil drums which appeared to be empty and an IBC filled with around 500ltrs of liquid marked as 'Waste Oil'.

A circular concrete pad with rebar fixing points around the exterior was noted, and it is currently assumed to be associated with a former mast at that location that has since been removed.

To the west of the site appeared to be one residential property and a garden area, to the north and east appears to be farmland with spare residential properties. To the south of the site, south of Ware Road was Wattisham airfield.

A Site Location Plan, and Site Plan are included within Appendix 6 as Drawing references 5956,DS/001/Rev0 and 5956,DS/002/Rev0 respectively.

Photographic records from the walkover are presented in Appendix 7 of this report.

## **2.3 Geological Setting**

Details of the geology underlying the site have been obtained from the British Geological Survey (BGS) digital mapping at a scale of 1:50,000, which is provided within the Envirocheck Report included in Appendix 4.

### **2.3.1. Superficial Deposits**

The geological map indicated the site to be underlain by superficial deposits of Lowestoft Formation Diamicton.

### **2.3.2. Bedrock Geology**

The geological map indicated bedrock Geology underlying the site comprised Newhaven Chalk Formation.

### **2.3.3. Geohazards and Ground Workings**

Table 1 overleaf, summarises the factors that may have a potential impact upon the engineering of the proposed development:

**Table 1 – Geohazards and Ground Workings**

Potential Hazard	Recorded Risk [m] / [Direction]		Comments
	Onsite	Within 250m	
Non-Coal Mining Areas of Great Britain.	Rare.	-	
Collapsible Ground.	Very Low.	-	
Landslide.	Very Low.	-	
Running Sand.	Very Low.	-	
Shrinking or Swelling Clay.	Low.	-	

## 2.4 Hydrogeological Setting

### 2.4.1. Underlying Aquifers

The hydrogeological data provided within the Envirocheck Report indicate a Secondary Undifferentiated Aquifer overlying a bedrock Principal Aquifer.

The Environment Agency defines a Principal Aquifer as ‘layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale’.

The Environment Agency defines a Secondary Undifferentiated Aquifer as ‘has been assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type’.

### 2.4.2. Groundwater Vulnerability

The Environment Agency defines areas of medium groundwater vulnerability as ‘Medium: Areas that offer some groundwater protection. They are likely to be characterised by intermediate leaching soils and/or the presence of intermediate permeability superficial deposits’.

Soils of intermediate leaching potential are soils that can possibly transmit a wide range of pollutants, or are soils that can “...possibly transmit non or weakly adsorbed pollutants and liquid discharges but are unlikely to transmit adsorbed pollutants”.

### 2.4.3. Source Protection Zones

The site was located within a ‘Zone III’ (Total Catchment) groundwater source protection zone i.e. it was within the total area required to support the discharge from a protected groundwater source.



There were no groundwater abstraction wells within 500m of the site.

## 2.5 Hydrological Setting

The nearest surface watercourse or feature was an unnamed feature, located approximately 29m to the north east of the site. A sluice or similar was present on the site toward the east of the site.

There were no surface water abstraction within 500m of the site.

A drainage ditch ran along the south of the site and is understood to run around the site as well where access was possible.

## 2.6 Radon

The HPA 'Indicative Atlas of Radon' 2007 (ref. **R.1**), indicates the site to lie within an area where there is a probability of <1% of present or future homes being above the action level of 200Bq/m<sup>3</sup>. As such, the site is not classified as a Radon Affected Area. This is confirmed by the Building Research Establishment, Report 211, 2007, (ref. **R.2**).

## 2.7 Nitrate Vulnerable Zone

The site was located within an area designated as a nitrate vulnerable zone.

The Nitrates Directive, (ref. **R.3**) defines a nitrate vulnerable zone as:

- Surface freshwater which contains or could contain, if preventative action is not taken, nitrate concentrations greater than 50mg/l;
- Groundwater which contains or could contain, if preventative action is not taken, nitrate concentrations greater than 50mg/l;
- Natural freshwater lakes or other freshwater bodies, estuaries, coastal waters and marine waters, which are eutrophic or may become so in the near future if protective action is not taken.

### 3. ENVIRONMENTAL SEARCHES

#### 3.1 Environmental Searches Summary

The environmental searches are detailed fully within the Envirocheck Report presented within Appendix 3. Table 2 shown below summarises the most relevant findings:

<b>Table 2 - Environmental Searches Summary</b>				
Activity	Distance From The Site			Comments [m]/[direction]
	Onsite	Within 250m	250m to 500m	
<b>1. Incidents and Registers</b>				
Discharge Consents	-	2	1	Sewage Discharges - Final/Treated Effluent - Not Water Company [17m/NE] [337m/N] Discharge Of Other Matter-Surface Water [116m/E].
<b>2. Flooding</b>				
BGS Groundwater Flooding Susceptibility.	Yes	-	-	Limited Potential for Groundwater Flooding to Occur [On-ite].
<b>3. Landfills and Waste Treatment / Disposal Sites</b>				
Licensed Waste Management Facilities (Locations).	-	-	1	Sewage sludge treatment [417m/NE]
Potentially Infilled Land (Water.)	-	-	1	Unknown Filled Ground (Pond, marsh, river, stream, dock etc) – Date: 1958 [309m/N].
<b>4. Contemporary Trade Entries of Concern</b>				
Contemporary Trade Directory Entries.	-	2	1	Mechanical Engineers [15m/SW] Blinds, Awnings & Canopies [86m/NE] Road Haulage Services [298m/N].

Where no relevant or significant data records exist for an activity, it is removed from the summary table. All data is included within Appendix 3.

## 4. SITE HISTORY

### 4.1 Historical Maps

A review of the history of the site has been conducted based upon the historical maps included within the Envirocheck report included in Appendix 4.

The relevant changes of the subject site and immediate surrounding area from the mapping are detailed in Table 3 below:

<b>Table 3 - Historical Summary</b>		
<b>Date</b>	<b>Potentially Contaminative Land Uses / Significant Changes</b>	
	<b>Onsite [Direction]</b>	<b>Offsite [Distance/Direction]</b>
<b>1884</b> (1:10,560) <b>1904</b> (1:2,500)	<ul style="list-style-type: none"> <li>The subject site was first depicted as an undeveloped parcel of land which is bisected by a field boundary with deciduous trees from 1884.</li> </ul>	<ul style="list-style-type: none"> <li>From the earliest available mapping, the subject site was depicted as surrounded by undeveloped farmland, with occasional residential dwellings and farms also depicted.</li> <li>'The Cedars' and another structure were depicted from 1884 with a number of associated ponds [10m/S&amp;SW].</li> <li>Ponds and buildings depicted associated with 'Charles Tye' from 1884 [10-140m/N]</li> <li>Moat depicted from 1884, associated with Moat Farm [150m/W].</li> </ul>
<b>1958</b> (1: 10,000) <b>1975</b> (1:2,500) <b>1980</b> (1: 10,000)	<ul style="list-style-type: none"> <li>Site depicted as single field from 1958.</li> </ul>	<ul style="list-style-type: none"> <li>Buildings and ponds adjacent to the subject site to the south of the subject site no longer depicted. 'The Cedars' remains. [10m/S].</li> <li>No detail available, field to south of site labelled Wattisham Aerodrome from 1958 [10-1000m+/S].</li> <li>Extensive Infrastructure associated with Wattisham Airfield depicted from 1975 [10-1000m+/S].</li> </ul>
<b>1995</b> (1:2,500) <b>1999</b> (Photography)	<ul style="list-style-type: none"> <li>Site Depicted as developed and in its existing format with multiple structures and infrastructure from 1999.</li> </ul>	<ul style="list-style-type: none"> <li>No Significant Changes.</li> </ul>
<b>2006</b> (1:10,000) <b>2021</b> (1:10,000)	<ul style="list-style-type: none"> <li>No Significant Changes.</li> </ul>	<ul style="list-style-type: none"> <li>No Significant Changes.</li> </ul>
<b>Notes:</b> <ul style="list-style-type: none"> <li>The dates of the maps do not always correspond with the time of the surveys.</li> <li>Where no significant factors or changes occur within a map edition(s) it is summarised with "No significant changes".</li> <li>The alignment and extent of the detailed site area in early map editions is often mis-aligned compared to modern mapping due to variation in mapping/digitisation processes; this is compensated for where possible within the interpretation.</li> </ul>		

## 4.2 Site History Summary

The earliest available mapping, dated 1884, showed the subject site to comprise of 2 no. agricultural fields bisected by a field boundary partially formed by mature deciduous trees. It remained this way until at least 1958, when it was recorded as a single field. The site was depicted as developed by the 1995 map and the 1999 aerial photography in similar layout to that of the site condition at the time of the walkover.

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## 5. PRELIMINARY CONCEPTUAL SITE MODEL

The risk assessment methodology is based upon current guidelines and legislation (refs. **R.4**, **R.6** and **R.8**).

The current guidance requires that a conceptual site model (CSM) be formulated, based upon the findings of the research. The CSM aims to identify and assess potential 'hazards'; the potential 'receptors' that may be affected and the anticipated 'pathways' by which the hazard may negatively impact the receptors. Where there is reasonable potential for all three components to be present at a site, then they constitute a potential pollutant linkage (PPL) and have been included in the CSM below. The CSM is limited at this stage to the identification and assessment of potential 'hazards', identified or suspected from the results of the research. The findings are summarised in the following subsections.

The guidance proposes a four-stage approach for the assessment of contamination and the associated risks. The four stages are listed below:

- Hazard Identification;
- Hazard Assessment;
- Risk Estimation; and
- Risk Evaluation.

Should a complete PPL be present which is deemed to pose a potential risk to identified receptors, then further investigation works are likely to be recommended.

### 5.1 Hazard Identification: Onsite

The desk-based research and historical review identified the following potential hazards on the site:

- Asbestos (from structures, at surface, within stockpiles and stockpiled separately);
- Plant Rooms, metal bund, oil tanks and oil containers are all considered point sources;
- Electrical Substations; and
- Stockpiles of dumped material, potentially disturbed ground (Made Ground).

### 5.2 Hazard Identification: OffSite

The desk-based research and historical review identified the off-site infilled ponds as potential hazards that may impact upon the site.

### 5.3 Risk Assessment

The preliminary risk assessment has identified potential sources of contamination that may pose risk to human health and the Controlled Waters. Potential pollutant linkages that require further consideration are presented in Table 4 shown overleaf:



**Table 4 – Preliminary Conceptual Site Model**

Sources	PATHWAYS:					RECEPTORS:						Risk Rating	Comments	
	Root Uptake	Direct Contact	Ingestion	Respiration	Gas Accumulation	Plants	End Users	Structures (Concrete)	Services/Utilities	Construction Workers	Controlled Waters (GW)			
Asbestos (from structures, at surface, within stockpiles and stockpiled separately)	N	N	N	L	N	N	S	N	N	S	N	HR	With the exception of fragments of PACM found towards the south east of the site, the PACM appears to be localised to stockpiles and structures. A high risk is present although not anticipated to be present across the entire site	
Point Sources: Plant Rooms, Oil Tanks, Oil containers, bund and fires.	U	U	U	U	U	Mi	Mo	Mi	Mi	Mo	Mi	MR-LR	While tanks were bunded and containers stored on hardstanding, a localised risk around the point sources is present and should be investigated. Due to the anticipated cohesive ground, any contamination is unlikely to have extended far from the point sources.	
Substations	U	U	U	N	N	Mi	Mo	Mi	Mi	Mo	Mi	MR-LR	Contamination from the substations (mainly in the form of PCBs) may be present. Due to the anticipated cohesive ground, any contamination is unlikely to have extended far from the point sources	
Stockpiles of dumped material, potentially disturbed ground/Made Ground.	L	U	L	L	U	Mi	Mi	Mi	Mi	Mo	Mi	MR	The stockpiles of material appeared variable and require testing, as does the areas identified as being potentially disturbed. As well as assessment of the presence of made ground.	
<b>Legend:-</b> See Comparison of Consequence Against Probability within Appendix 5 for Key to Legend.	<b>Probability:</b>					<b>Consequence (Severity):</b>						<b>Risk Rating:</b>		
	Negligible (N)					Negligible (N)						Very High Risk		<b>VH</b>
	Unlikely (U)					Mild (Mi)						High Risk		<b>HR</b>
	Likely (L)					Moderate (Mo)						Moderate Risk		<b>MR</b>
	Highly Likely (HL)					Severe (S)						Low Risk		<b>LR</b>
												Negligible Risk		<b>NR</b>

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## 6. CONCLUSIONS AND RECOMMENDATIONS

Based upon the findings of the preliminary risk assessment and site walkover, a number of potential contaminant sources and pathways to potential receptors have been identified.

It is recommended that a preliminary intrusive ground investigation is undertaken to determine the extent of any potential contamination within the soil strata. This investigation should target the point sources detailed in Table 4 – Preliminary Conceptual Site Model as well as a general coverage across the site.

It is recommended that monitoring wells for ground gas should be constructed on site as part of the investigation to include wells in the vicinity of the oil tanks and disturbed ground with subsequent monitoring visits undertaken.

Any ground investigation should be designed in general accordance with CLR 4, (ref. **R.7**) undertaken in compliance with BS 10175:2011+A2:2017, (ref. **R.8**) and BS 5930:2015+A1:2020, (ref. **R.9**).

It is recommended that this report be submitted to the Local Authority as part of the planning submission for the site.

### 6.1 Geotechnical Considerations and Recommendations

As development of the site is proposed, it may be financially prudent to undertake a geotechnical investigation of the site at the same time as any environmental investigation to enable foundation recommendations to be proposed.

The potential for Made Ground, cohesive ground conditions and the presence of mature trees or proposed planting should be taken into consideration.

### 6.2 Other Recommendations

While outside of the remit of this report, as demolition of the buildings is proposed it may be necessary to (a) fully update the building Asbestos Register, where present or (b) undertake a Refurbishment and Demolition (asbestos survey) of the buildings, **if not already undertaken** in accordance with HSE guidance (ref. **R.10**) and in advance of any disturbance works.

Due to the proximity to Wattisham airfield and the former military use of the site, a UXO assessment will be required prior to any intrusive investigation (and prior to any ground works). Based on our experience with similar sites, we envisage that desk based UXO reports will recommend onsite mitigation during intrusive works. The first step would be to commission UXO report(s) to determine subsequent measures.

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# APPENDICES

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## Appendix 1 – Report Limitations and Conditions

### General Limitations and Exceptions

This report was prepared solely for our Client for the stated purposes only and is not intended to be relied on by any other party or for any other use. No extended duty of care to any third party is implied or offered.

Geosphere Environmental Ltd does not purport to provide specialist legal advice.

The Executive Summary, Conclusions and Recommendations sections of the report provide an overview and guidance only and should not be specifically relied upon, until considered within the context of the whole report.

Interpretations and recommendations contained in the report represent our professional opinions, which were arrived at in accordance with currently accepted industry practices at the time of reporting and based upon current legislation in force at that time.

### Environmental and Geotechnical Reporting (including Phase 1, Phase 2 and Site Walkovers) Limitations and Exceptions

The comments given in this report and the options expressed herein, are based upon the readily available information collated for the report and an assessment based upon the current guidance which for Phase 1 / Phase 2 reports is primarily the Environment Agency's Land Contamination Risk Management (LCRM) report, 2021.

The report has been prepared in relation to the proposed end-use and should another end-use be intended, reassessment may be required.

No warranty is given as to the possibility of future changes in the condition of the site.

The opinions expressed cannot be absolute, due to the limitation of time and resources imposed by the agreed brief.

With regards to any aspect of land contamination referred to, this is limited to those aspects specifically stated and necessarily qualified. No liability shall be accepted for other aspects which may be the result of gradual or sudden pollution incidents, past or present land uses and the potential for associated contamination migration.

Any Desk Study Report / data has been produced largely from the information purchased from The Landmark Information Group. The information is not necessarily exhaustive and further information relevant to the site may be available from other sources. The information purchased has been assumed to be correct and free from errors. However, there is the possibility that some data may be missing from the report including (but not limited to) unrecorded land uses both onsite and offsite or unrecorded pollution events. No attempt has been made to verify the information.

The accuracy of any map extracts cannot be guaranteed. It is possible that different conditions existed onsite, between and subsequent to the various map surveys provided.

Any site walkover undertaken is a snapshot of the site recording the visually evident conditions at the time of the walkover in the areas readily accessible. It is possible that after the walkover, the site was altered (for example by fly-tipping or groundworks) or before the walkover, the site conditions changed removing evidence of potentially contaminative features (such as oil tanks removed).

Any intrusive works only cover a tiny proportion of the site. Where exploratory holes are positioned by Geosphere Environmental Limited, they are located to give as good a coverage of the site as possible and to target features / proposed land use where applicable while allowing for areas that cannot be accessed, Client requested locations and other site / time / budget constraints. While assumptions may have been drawn between exploratory holes on the ground conditions and / or extent or otherwise of any contamination, this is for guidance only and no liability can be accepted on its accuracy.

Foundation design is outside of the remit of Geosphere Environmental Limited unless specifically stated and it is recommended that the services of foundation design specialists are sought as required. Any foundation appraisal contained within the report is limited to foundation optioneering.

Any conceptual model is based upon the information available at the time of conducting this assessment and is an interpretive assessment of the conditions at the site. Redevelopment and / or further investigation of the site may reveal additional information and therefore alter the conceptual model and the report conclusions.

Any infiltration testing results are considered to be representative of the ground conditions at the locations tested and at the time of testing. As well as lateral variation in ground conditions, seasonal changes in ground water level may affect the results.

Any post-fieldwork monitoring (including ground gas / groundwater) is a snapshot of the conditions at the time of monitoring.



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## Appendix 2 – References

- R.1.** Health Protection Agency and British Geological Survey, Report HPA-RPD-033 'Indicative Atlas of Radon in England and Wells', 2007.
- R.2.** BRE Report 211, 'Radon, Guidance on the Protective Measures for New Buildings, 2015.
- R.3.** Nitrates Directive (91/676/EC) 1991.
- R.4.** Land Contamination Risk Management (LCRM), Environment Agency, 2021.
- R.5.** The Environmental Protection Act, Part IIA, Section 78, 1990.
- R.6.** Environment Act 1995, Section 57, DoE 1995.
- R.7.** CLR 4, 'Sampling strategies for contaminated land', DoE 1994.
- R.8.** British Standards Institute: BS 10175:2011+A2:2017 'Code of practice for the investigation of potentially contaminated sites', 2017.
- R.9.** British Standards Institute: BS 5930:2015+A1:2020 'Code of practice for site investigations', 2020.
- R.10.** Reference: Asbestos: The Survey Guide, HSG 264, 2<sup>nd</sup> Edition, 2012.

## Appendix 3 – Envirocheck Data Search Report

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

286037726\_1\_1

**Customer Reference:**

5956,DS (GF)

**National Grid Reference:**

602150, 252320

**Slice:**

A

**Site Area (Ha):**

4.5

**Search Buffer (m):**

1000

#### Site Details:

Anglia Business Park

Wattisham Road

RINGSHALL

IP14 2HX

#### Client Details:

Miss H Painter

Geosphere Environmental Ltd

Brightwell Barns

Ipswich Road

Brightwell

Suffolk

IP10 0BJ

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### 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 this 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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### Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes			n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		2	4	2
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					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2		Yes		
Pollution Incidents to Controlled Waters	pg 3				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	pg 3				1
Water Abstractions	pg 3				(*7)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 5	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			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	pg 5	1			
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				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
OS Water Network Lines	pg 5		2	15	11



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 9			1	
Local Authority Landfill Coverage		2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 9			1	
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 10	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 10	Yes	Yes		Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			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	pg 10	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				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 10	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
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 12		2	1	1
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 12				2
Points of Interest - Public Infrastructure	pg 12				2
Points of Interest - Recreational and Environmental					
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland	pg 13				1
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	pg 13	3			
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
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (NE)	0	1	602150 252324
1	<b>Discharge Consents</b> Operator: D S Virr Property Type: Domestic Property (Single) Location: Elder Cottage, Charles Tye, Ringshall, Ip14 2hu Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf07988 Permit Version: 1 Effective Date: 22nd November 1993 Issued Date: 22nd November 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib River Gipping <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b> Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	17	2	602250 252450
2	<b>Discharge Consents</b> Operator: Raf Stations No7 Work Area Property Type: Sewage Disposal Works - Water Company Location: Swanton Morley Airfield Stw, Swanton Morley, Norfolk, Nr20 5hr Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Cd4nf381x Permit Version: 1 Effective Date: 26th July 1963 Issued Date: 26th July 1963 Revocation Date: 25th February 2006 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Soakaway River Wensum <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 100m	A13SE (E)	116	2	602400 252300
3	<b>Discharge Consents</b> Operator: Joan Bannister Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Mile End Cottage Bildeston Road, Ringshall, Suffolk, Ip14 2hu Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Prenf08602 Permit Version: 2 Effective Date: 15th September 1994 Issued Date: 15th September 1994 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary River Gipping <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b> Positional Accuracy: Located by supplier to within 100m	A18SW (N)	337	2	602080 252750
3	<b>Discharge Consents</b> Operator: Joan Bannister Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Mile End Cottage Bildeston Road, Ringshall, Suffolk, Ip14 2hu Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prenf08602 Permit Version: 1 Effective Date: 11th November 1993 Issued Date: 11th November 1993 Revocation Date: 14th September 1994 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib River Gipping <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b> Positional Accuracy: Located by supplier to within 10m	A18SW (N)	337	2	602080 252750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p><b>Discharge Consents</b></p> <p>Operator: Severn Trent Services Defence Limited  Property Type: PRISONS/MOD SITES/PUBLIC ADMIN+DEFENCE+COMP SOCIAL SEC  Location: Transport Sect(N) Wattisham Airfield, Wattisham, Ipswich  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Cdenf10780  Permit Version: 1  Effective Date: 10th January 1997  Issued Date: 10th January 1997  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Tributary River Brett  <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	366	2	601730 252050
4	<p><b>Discharge Consents</b></p> <p>Operator: Severn Trent Services Defence Limited  Property Type: PRISONS/MOD SITES/PUBLIC ADMIN+DEFENCE+COMP SOCIAL SEC  Location: Transport Sect(S) Wattisham Airfield, Wattisham, Ipswich  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Cdenf10781  Permit Version: 1  Effective Date: 10th January 1997  Issued Date: 10th January 1997  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Tributary River Brett  <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	380	2	601720 252040
5	<p><b>Discharge Consents</b></p> <p>Operator: S J Rushbrook &amp; Son  Property Type: Arable Farming  Location: Box Tree Farm, Wattisham, Ipswich, Ip7 7la  Authority: Environment Agency, Anglian Region  Catchment Area: Catchment 29 Unknown Detail  Reference: Gwelf50379  Permit Version: 1  Effective Date: 1st April 1999  Issued Date: 22nd May 2000  Revocation Date: Not Supplied  Discharge Type: Trade Discharge - Agricultural And Surface  Discharge: Onto Land  Environment:  Receiving Water: Groundwater  <b>Status: Deemed Groundwater Regulations Authorisation</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	987	2	601340 251540
6	<p><b>Discharge Consents</b></p> <p>Operator: Mr Peter Walker  Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES)  Location: Smithy Farm Crowcroft Road, Wattisham, Suffolk, Ip7 7jz  Authority: Environment Agency, Anglian Region  Catchment Area: Not Given  Reference: Prenf08650  Permit Version: 1  Effective Date: 20th December 1993  Issued Date: 20th December 1993  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib River Brett  <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b>  Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	990	2	601500 251400
	<p><b>Nearest Surface Water Feature</b></p>	A13NE (NE)	29	-	602225 252462

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<b>Pollution Incidents to Controlled Waters</b> Property Type: Military Establishments/MOD Property Location: Ipswich District Authority: Environment Agency, Anglian Region Pollutant: Oils - Other Oil Note: River Gipping Somersham W/C Incident Date: 3rd February 1994 Incident Reference: 1897 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Inadequate Design/Capacity Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	943	2	603000 253000
8	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - Anglian Region, Central Area Incident Date: 9th March 2006 Incident Reference: 382594 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals/Products: Other Organic Chemical Or Product	A18NW (N)	946	2	601885 253336
	<b>Water Abstractions</b> Operator: Battista Zavalloni Licence Number: 7/35/08/*g/180 Permit Version: Not Supplied Location: Bore At Stoke Farm, Battisford, RINGSHALL Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 23 Yearly Rate (m3): 568000 Details: E chalk; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24NW (N)	1473	2	602650 253850
	<b>Water Abstractions</b> Operator: L Chaplin & Sons Licence Number: 7/35/08/*G/0201 Permit Version: 100 Location: Bore At Charles Hall Ringshall Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: E chalk; Status: Perpetuity Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 2nd April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1625	2	603270 253695
	<b>Water Abstractions</b> Operator: L Chaplin & Sons Licence Number: 7/35/08/*g/201 Permit Version: Not Supplied Location: Bore, Charles Hall, RINGSHALL, Suffolk Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 7 Yearly Rate (m3): 45000 Details: E Chalk; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25NW (NE)	1628	2	603275 253695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: L Chaplin &amp; Sons  Licence Number: 7/35/08/*G/0201  Permit Version: 101  Location: Bore At Charles Hall Ringshall  Authority: Environment Agency, Anglian Region  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 2nd July 1999  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A25NW (NE)	1629	2	603270 253700
	<p><b>Water Abstractions</b></p> <p>Operator: L Chaplin &amp; Sons  Licence Number: 7/35/08/*G/0201  Permit Version: 101  Location: Bore At Charles Hall Ringshall  Authority: Environment Agency, Anglian Region  Abstraction: General Agriculture: Spray Irrigation - Storage  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Not Supplied  Authorised Start: 01 March  Authorised End: 31 October  Permit Start Date: 2nd July 1999  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A25NW (NE)	1629	2	603270 253700
	<p><b>Water Abstractions</b></p> <p>Operator: L Chaplin &amp; Sons  Licence Number: 7/35/08/*G/0201  Permit Version: 100  Location: Bore At Charles Hall Ringshall  Authority: Environment Agency, Anglian Region  Abstraction: General Farming And Domestic  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: E chalk; Status: Perpetuity  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 2nd April 1993  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	A25NW (NE)	1629	2	603270 253700
	<p><b>Water Abstractions</b></p> <p>Operator: Hitchcock Farms Ringshall  Licence Number: 7/35/08/*G/0141  Permit Version: 100  Location: Bore At Hill Fm,Ringshall  Authority: Environment Agency, Anglian Region  Abstraction: General Agriculture: Spray Irrigation - Storage  Abstraction Type: Water may be abstracted from a single point  Source: Groundwater  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: E chalk; Status: Perpetuity  Authorised Start: 01 May  Authorised End: 30 September  Permit Start Date: 1st January 1998  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 10m</p>	(E)	1923	2	604200 252000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13SW (W)	0	3	602000 252324
	<b>Groundwater Vulnerability Map</b> Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A13SE (NE)	0	3	602150 252324
	<b>Groundwater Vulnerability - Soluble Rock Risk</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Principal Aquifer	A13SE (NE)	0	3	602150 252324
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (NE)	0	3	602150 252324
9	<b>Source Protection Zones</b> Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SE (NE)	0	2	602150 252324
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
10	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 58.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13NE (N)	100	4	602229 252532
11	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 63.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A13NE (N)	132	4	602196 252561



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 123.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A17SE (NW)	346	4	601797 252667
13	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (SW)	349	4	601748 252054
14	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (SW)	365	4	601731 252049
15	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 127.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (SW)	365	4	601731 252049
16	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 629.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A18SE (N)	374	4	602261 252810
17	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (W)	398	4	601658 252151
18	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (W)	400	4	601654 252157
19	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (W)	403	4	601648 252164
20	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 825.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A12SE (W)	403	4	601648 252164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 35.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NW (E)	421	4	602697 252371
22	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 326.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NW (E)	454	4	602724 252401
23	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NW (E)	455	4	602730 252384
24	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 18.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NW (E)	456	4	602729 252388
25	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 40.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NW (E)	470	4	602741 252397
26	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 131.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NW (E)	470	4	602741 252397
27	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 123.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NE (E)	599	4	602860 252450
28	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A19SE (NE)	651	4	602834 252713
29	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 28.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A19SE (NE)	663	4	602845 252716

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 78.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NE (NE)	675	4	602885 252648
31	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 66.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NE (NE)	675	4	602885 252648
32	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NE (E)	688	4	602916 252589
33	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 335.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A19SE (NE)	690	4	602872 252723
34	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 33.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A14NE (E)	692	4	602924 252574
35	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 47.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A7SE (SW)	935	4	601563 251425
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 122.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Stour Anglian Primacy: 1	A11NE (W)	985	4	601036 252594
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 9.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Gipping Primacy: 1	A20SW (NE)	989	4	603171 252784

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 403332 Location: Charles Tye Farm, Off Wattisham Road, By Wattisham, Suffolk, IP14 Operator Name: Enva Resource Management Limited Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Eastern Area Site Category: Sewage sludge treatment <b>Licence Status: Modified</b> Issued: 6th July 2016 Last Modified: 5th December 2019 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	417	2	602621 252615
	<b>Local Authority Landfill Coverage</b> Name: Suffolk County Council - Has supplied landfill data		0	5	602150 252324
	<b>Local Authority Landfill Coverage</b> Name: Mid Suffolk District Council - Has supplied landfill data		0	6	602150 252324
	<b>Local Authority Landfill Coverage</b> Name: Babergh District Council - Has supplied landfill data		206	7	601849 252187
39	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A18SE (N)	309	-	602170 252736

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: White Chalk Subgroup	A13SE (NE)	0	1	602150 252324
	<b>BGS Estimated Soil Chemistry</b> 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	A13SE (NE)	0	1	602150 252324
	<b>BGS Estimated Soil Chemistry</b> 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: 30 - 45 mg/kg	A13SW (SW)	228	1	602000 252000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SW (S)	607	1	602000 251616
	<b>BGS Measured Urban Soil Chemistry</b> No data available				
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	29	1	602167 252200
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Radon Potential - Radon Affected Areas</b></p> <p>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).</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	A13SE (NE)	0	1	602150 252324
	<p><b>Radon Potential - Radon Protection Measures</b></p> <p>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions</p> <p>Source: British Geological Survey, National Geoscience Information Service</p>	A13SE (NE)	0	1	602150 252324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: R M I Engineering Ltd            Location: Unit 1, Anglia Business Park, Ringshall, Stowmarket, Suffolk, IP14 2HX            Classification: Mechanical Engineers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SW (SW)	15	-	602094 252267
41	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Brega Blinds            Location: Poplar Farm House, Charles Tye, Ringshall, Stowmarket, Suffolk, IP14 2HU            Classification: Blinds, Awnings &amp; Canopies  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	86	-	602240 252519
42	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Willis &amp; Son            Location: Charles Tye, Ringshall, Stowmarket, Suffolk, IP14 2HU            Classification: Road Haulage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	298	-	602118 252717
43	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: The Mallard Barn Shop            Location: Box Tree Farm, Hitcham Road, Wattisham, Ipswich, IP7 7LA            Classification: Gunsmiths  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A7SW (SW)	964	-	601307 251612
44	<p><b>Points of Interest - Manufacturing and Production</b></p> <p>Name: S J Rushbrook &amp; Son            Location: Box Tree Farm, Hitcham Road, Wattisham, Ipswich, IP7 7LA            Category: Farming            Class Code: Livestock Farming            Positional Accuracy: Positioned to address or location</p>	A7SW (SW)	964	8	601307 251612
44	<p><b>Points of Interest - Manufacturing and Production</b></p> <p>Name: S J Rushbrook &amp; Son            Location: Box Tree Farm, Hitcham Road, Wattisham, Ipswich, IP7 7LA            Category: Farming            Class Code: Arable Farming            Positional Accuracy: Positioned to address or location</p>	A7SW (SW)	992	8	601257 251630
45	<p><b>Points of Interest - Public Infrastructure</b></p> <p>Name: Wattisham Airfield            Location: IP7            Category: Air            Class Code: Airports and Landing Strips            Positional Accuracy: Positioned to an adjacent address or location</p>	A9SW (SE)	769	8	602655 251567
46	<p><b>Points of Interest - Public Infrastructure</b></p> <p>Name: Wattisham Airfield            Location: IP7            Category: Air            Class Code: Airports and Landing Strips            Positional Accuracy: Positioned to address or location</p>	A9SW (SE)	916	8	602596 251381

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	<b>Ancient Woodland</b> Name: Not Supplied Reference: 1411398 Area(m <sup>2</sup> ): 59364.87 Type: Ancient and Semi-Natural Woodland	A9NE (SE)	767	9	602978 251905
48	<b>Nitrate Vulnerable Zones</b> Name: Sandlings And Chelmsford Description: Groundwater Source: Environment Agency, Head Office	A13SE (NE)	0	3	602150 252324
49	<b>Nitrate Vulnerable Zones</b> Name: River Gipping Nvz Description: Surface Water Source: Environment Agency, Head Office	A13NE (NE)	0	3	602200 252350
50	<b>Nitrate Vulnerable Zones</b> Name: Lower Stour Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SE (NE)	0	3	602150 252324



Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department Environment Agency - Head Office	January 2020 January 2020 June 2020	Annual Rolling Update Annual Rolling Update Annually
<b>Discharge Consents</b> Environment Agency - Anglian Region	July 2021	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region	March 2013	
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region	January 2009	
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region	July 2021	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department	June 2014 June 2014	Variable Variable
<b>Local Authority Pollution Prevention and Controls</b> Mid Suffolk District Council - Environmental Health Department Babergh District Council - Environmental Services	June 2014 June 2014	Annual Rolling Update Not Applicable
<b>Local Authority Pollution Prevention and Control Enforcements</b> Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department	June 2014 June 2014	Variable Variable
<b>Nearest Surface Water Feature</b> Ordnance Survey	March 2021	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region	September 1999	
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region	July 2015	
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region	March 2013	
<b>Registered Radioactive Substances</b> Environment Agency - Anglian Region	June 2016	Annually
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	April 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	April 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Central Area Environment Agency - Anglian Region - Eastern Area	July 2021 July 2021	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region	July 2021	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region	October 2017	Quarterly
<b>Groundwater Vulnerability Map</b> Environment Agency - Head Office	June 2018	As notified
<b>Groundwater Vulnerability - Soluble Rock Risk</b> Environment Agency - Head Office	June 2018	As notified
<b>Bedrock Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually



Agency & Hydrological	Version	Update Cycle
<b>Superficial Aquifer Designations</b> Environment Agency - Head Office	January 2018	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	May 2021	Bi-Annually
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2021	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	March 2021	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	March 2021	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	March 2021	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	March 2021	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	July 2021	Quarterly
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	May 2018	Annually
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	May 2018	Annually
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	May 2018	Annually
<b>Surface Water Suitability</b> Environment Agency - Head Office	February 2016	Annually
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	November 2002	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	May 2021	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	January 2009	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Eastern Area	July 2021	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Eastern Area	July 2021	Quarterly
<b>Local Authority Landfill Coverage</b> Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department Suffolk County Council	February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Babergh District Council - Environmental Services Mid Suffolk District Council - Environmental Health Department Suffolk County Council	October 2018 October 2018 October 2018	
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Eastern Area	March 2006	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Eastern Area	April 2018	
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Eastern Area	June 2015	
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	April 2018	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	August 2001	
<b>Planning Hazardous Substance Enforcements</b> Suffolk County Council - Environment and Transport Babergh District Council - Planning Department Mid Suffolk District Council - Planning Department	February 2006 February 2016 February 2016	Annual Rolling Update Variable Variable
<b>Planning Hazardous Substance Consents</b> Suffolk County Council - Environment and Transport Babergh District Council - Planning Department Mid Suffolk District Council - Planning Department	February 2006 February 2016 February 2016	Annual Rolling Update Variable Variable

Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	December 2015	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Mining Instability</b> Ove Arup & Partners	June 1998	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	July 2021	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	August 2021	Quarterly
<b>Gas Pipelines</b> National Grid	May 2021	Annually
<b>Points of Interest - Commercial Services</b> PointX	September 2021	Quarterly
<b>Points of Interest - Education and Health</b> PointX	September 2021	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	September 2021	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	September 2021	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	September 2021	Quarterly
<b>Underground Electrical Cables</b> National Grid	May 2021	Annually

Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural England	February 2021	Bi-Annually
<b>Areas of Adopted Green Belt</b> Babergh District Council - Planning Department Mid Suffolk District Council - Planning Department	October 2020 October 2020	Quarterly Quarterly
<b>Areas of Unadopted Green Belt</b> Babergh District Council - Planning Department Mid Suffolk District Council - Planning Department	October 2020 October 2020	Quarterly Quarterly
<b>Areas of Outstanding Natural Beauty</b> Natural England	January 2021	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	January 2017	
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	February 2021	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2019	Bi-Annually
<b>National Nature Reserves</b> Natural England	January 2021	Bi-Annually
<b>National Parks</b> Natural England	February 2018	Bi-Annually
<b>Nitrate Sensitive Areas</b> Natural England	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
<b>Ramsar Sites</b> Natural England	August 2020	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	February 2021	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	July 2020	Bi-Annually
<b>Special Protection Areas</b> Natural England	February 2021	Bi-Annually

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	 <b>British Geological Survey</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 <b>Centre for Ecology &amp; Hydrology</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	<b>Suffolk County Council</b> St Edmund House, County Hall, Ipswich, Suffolk, IP4 1LZ	Telephone: 01473 583000 Fax: 01473 230240 Website: www.suffolkcc.gov.uk
6	<b>Mid Suffolk District Council - Environmental Health Department</b> Council Offices, 131 High Street, Needham Market, Ipswich, Suffolk, IP6 8DL	Telephone: 01473 826622 Email: customer.services@babergmidsuffolk.gov.uk Website: www.midsuffolk.gov.uk
7	<b>Babergh District Council - Environmental Services</b> Council Offices, Corks Lane, Hadleigh, Ipswich, Suffolk, IP7 6SJ	Telephone: 01473 825880 Fax: 01473 825738 Website: www.babergh.gov.uk
8	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> 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.

## Envirocheck<sup>®</sup> Report:

### Mining and Ground Stability Datasheet

#### Order Details:

**Order Number:**

286037726\_1\_1

**Customer Reference:**

5956,DS (GF)

**National Grid Reference:**

602150, 252320

**Slice:**

A

**Site Area (Ha):**

4.5

**Search Buffer (m):**

1000

#### Site Details:

Anglia Business Park

Wattisham Road

RINGSHALL

IP14 2HX

#### Client Details:

Miss H Painter

Geosphere Environmental Ltd

Brightwell Barns

Ipswich Road

Brightwell

Suffolk

IP10 0BJ



Report Section and Details	Page Number
<b>Summary</b>	-
<p>The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected.</p> <p>For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).</p>	
<b>Mining and Natural Cavities Data</b>	<b>1</b>
<p>The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities.</p> <p>Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.</p>	
<b>Historical Land Use Information (1:2,500)</b>	<b>2</b>
<p>The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative.</p> <p>For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.</p>	
<b>Historical Land Use Information (1:10,000)</b>	<b>3</b>
<p>The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses.</p> <p>For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.</p>	
<b>Ground Stability Data (1:50,000)</b>	<b>4</b>
<p>The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.</p>	
<b>Historical Map List</b>	<b>5</b>
<p>The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.</p>	
<b>Data Currency</b>	<b>6</b>
<b>Data Suppliers</b>	<b>7</b>
<b>Useful Contacts</b>	<b>8</b>

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The brine subsidence data relating to the Droitwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

### Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
<b>Mining and Natural Cavities Data</b>					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 1	Yes		n/a	n/a
Potential Mining Areas					
<b>Historical Land Use Information (1:2,500)</b>					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2		1	n/a	n/a
Subterranean Features (100m)	pg 2	1		n/a	n/a
<b>Historical Land Use Information (1:10,000)</b>					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 3			1	
<b>Ground Stability Data (1:50,000)</b>					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes		n/a	n/a
Salt Mining Related Features					

Report Version v53.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Coal Mining Affected Areas</b> In an area which may not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>Extractive Industries or Potential Excavations from 1950-1980</b></p> <p>Use: Pond                      First Map Published: 1975                      Date:                      Last Map Published: N/A                      Date:</p>	A13NE (NE)	26	2	602227 252457
2	<p><b>Subterranean Features</b></p> <p>Use: Radar                      Name: Wattisham Anglia Radar                      Location: Suffolk                      Type of Site: Military/Defence                      Start Date: 1958                      End Date: 1994</p>	A13SW (S)	0	2	602138 252281

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1958	A18SE (N)	309	2	602170 252736

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>CBSCB Compensation District</b> The site does not fall within the brine compensation area.				
	<b>Brine Subsidence Solution Area</b> The site does not fall within the brine subsidence solution area.				
4	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
5	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
6	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	29	1	602167 252200
7	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	1	602150 252324

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TM0251	1974
Ordnance Survey Plan	TM0151	1975
Ordnance Survey Plan	TM0152	1975
Ordnance Survey Plan	TM0252	1975








The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Suffolk	065_SW	1890
Suffolk	065_NW	1892
Suffolk	065_NW	1905
Suffolk	065_SW	1905
Ordnance Survey Plan	TM05SW	1958
1:10,000	Mapsheet	Published Date
Ordnance Survey Plan	TM05SW	1980



<b>Mining and Cavities Data</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2021	Bi-Annually
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	Annual Rolling Update
<b>Man Made Mining Cavities</b> Stantec UK Ltd	May 2021	Bi-Annually
<b>Mining Instability</b> Ove Arup & Partners	June 1998	Not Applicable
<b>Natural Cavities</b> Stantec UK Ltd	May 2021	Bi-Annually
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Historical Land Use Information (1:2,500)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Subterranean Features</b> Landmark Information Group Limited	February 2020	Bi-Annually
<b>Ground Stability Data (1:50,000)</b>	<b>Version</b>	<b>Update Cycle</b>
<b>CBSCB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	As notified
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	April 2020	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	January 2019	Annually
<b>Brine Subsidence Solution Area</b> Johnson Poole & Bloomer	December 2020	Annual Rolling Update

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	 <b>British Geological Survey</b> <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
The Coal Authority	 The Coal Authority
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	 <i>your earth our world</i>
Johnson Poole & Bloomer	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
-	<b>Landmark Information Group Limited</b> 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

## Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

### Slice

Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

### Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

### Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

## Client Details

Miss H Painter, Geosphere Environmental Ltd, Brightwell Barns, Ipswich Road, Brightwell, Suffolk, IP10 0BJ

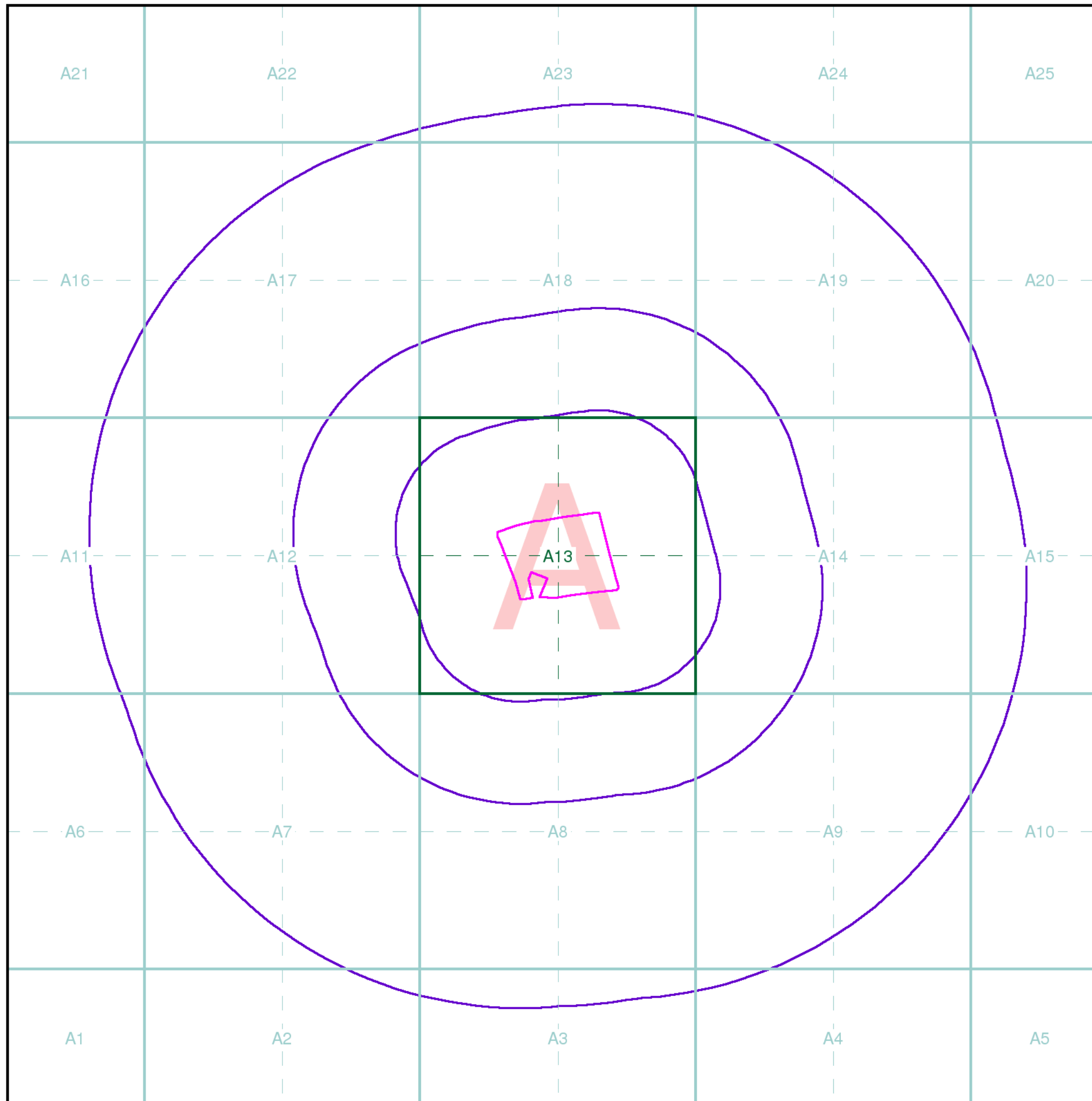
## Order Details

Order Number: 286037726\_1\_1  
Customer Ref: 5956\_DS (GF)  
National Grid Reference: 602150, 252330  
Site Area (Ha): 4.5  
Search Buffer (m): 1000

## Site Details

Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX

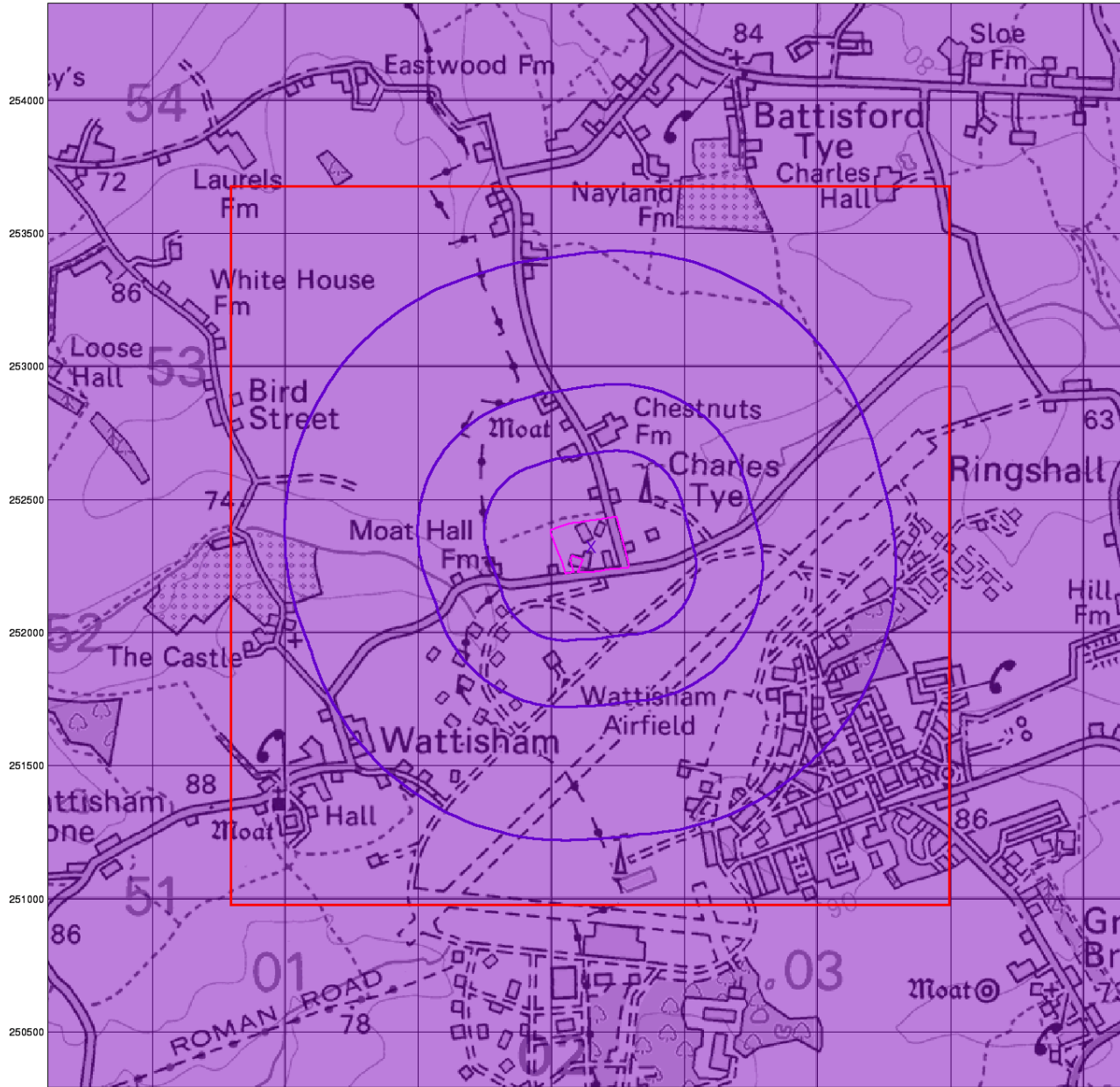
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<http://www.landmarkinfo.co.uk/Terms/Show/515>







600500 601000 601500 602000 602500 603000 603500 604000



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0 1 km

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## Bedrock Aquifer Designation

### General

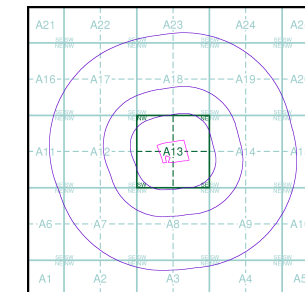
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

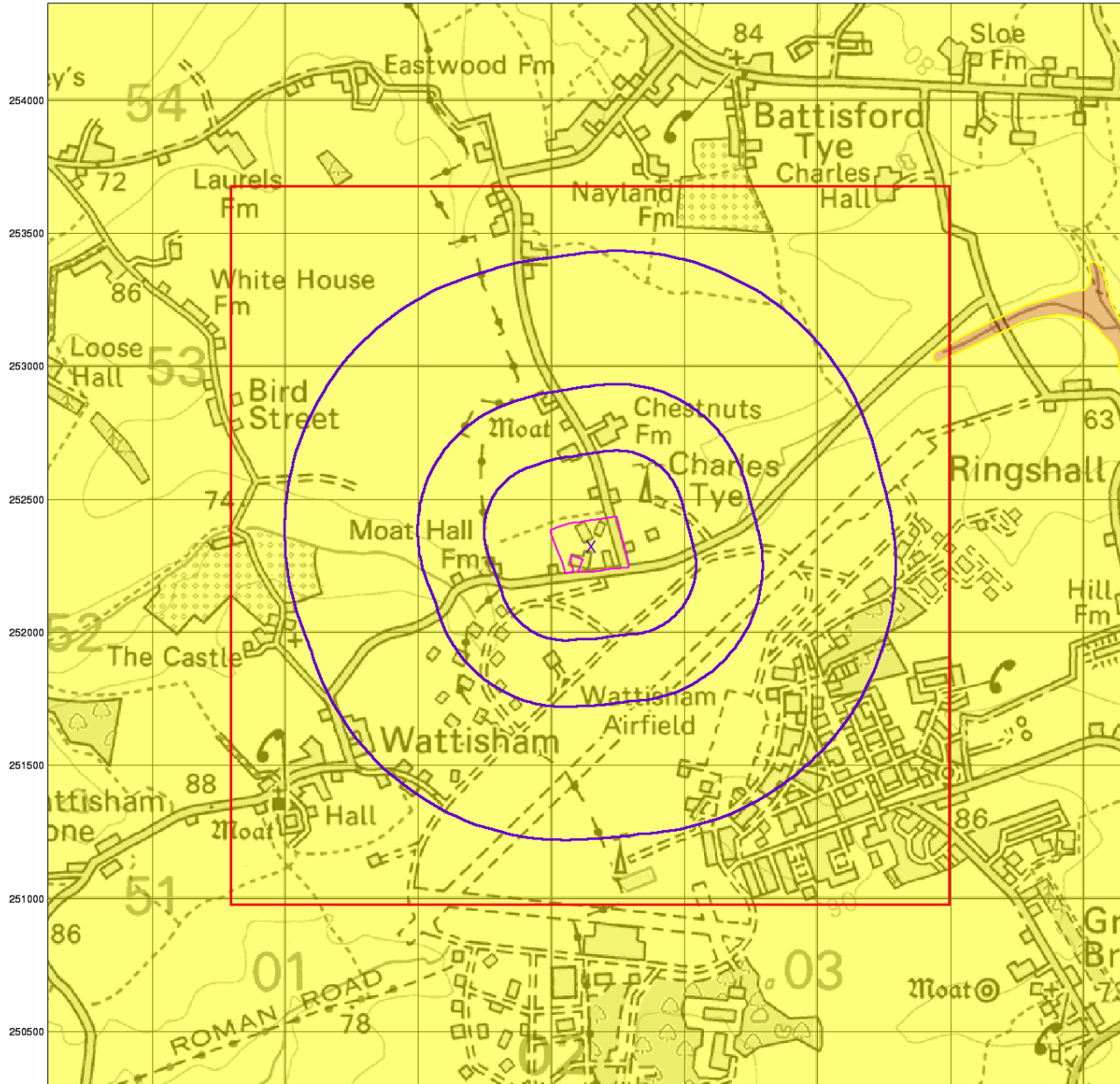
### Site Details

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600500 601000 601500 602000 602500 603000 603500 604000



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0 1 km

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## Superficial Aquifer Designation

### General

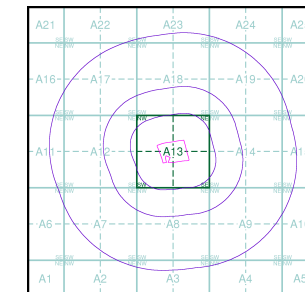
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

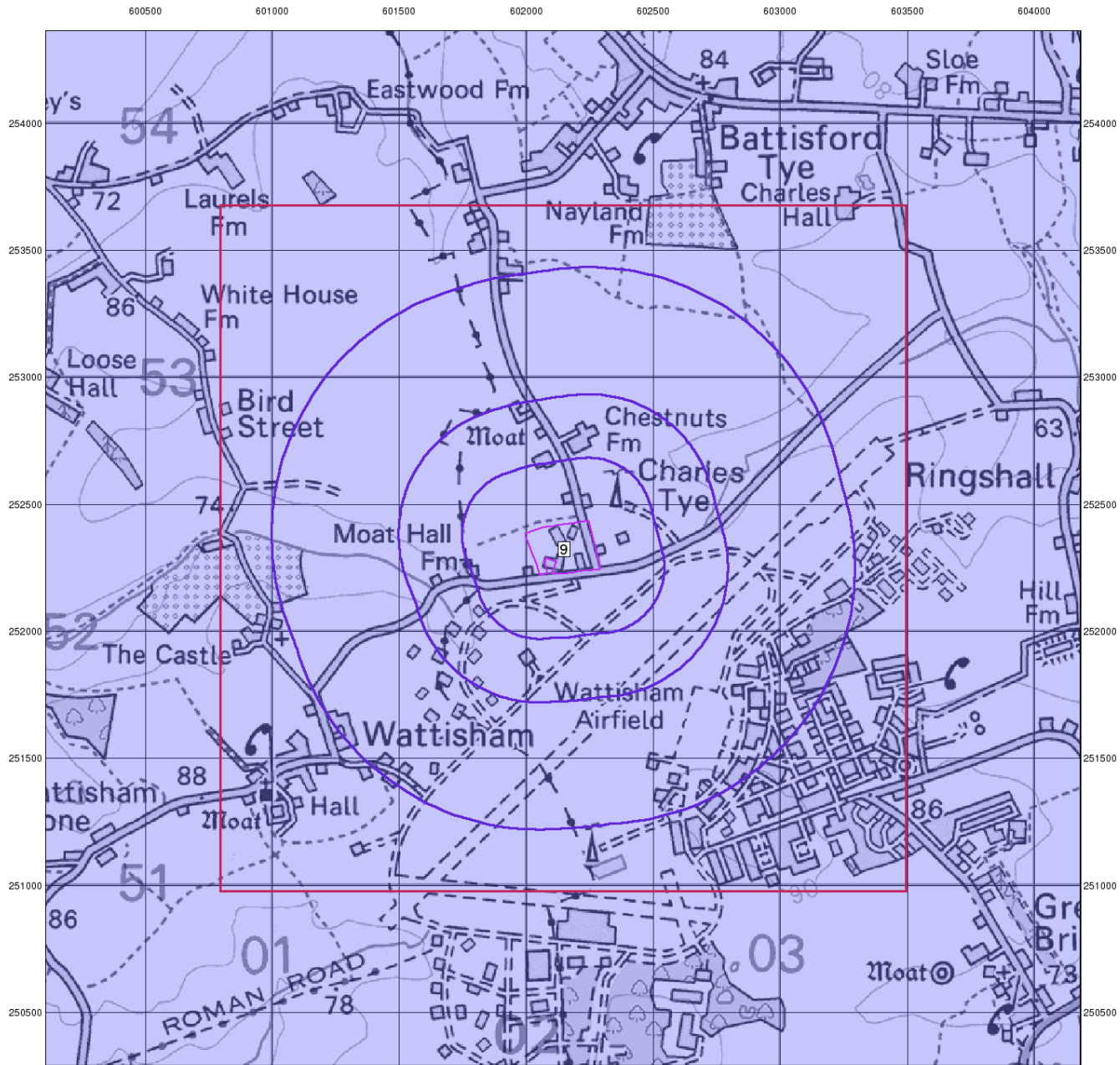
Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

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0 1 km

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## Source Protection Zones

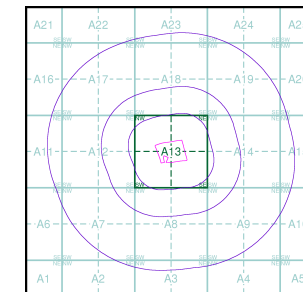
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

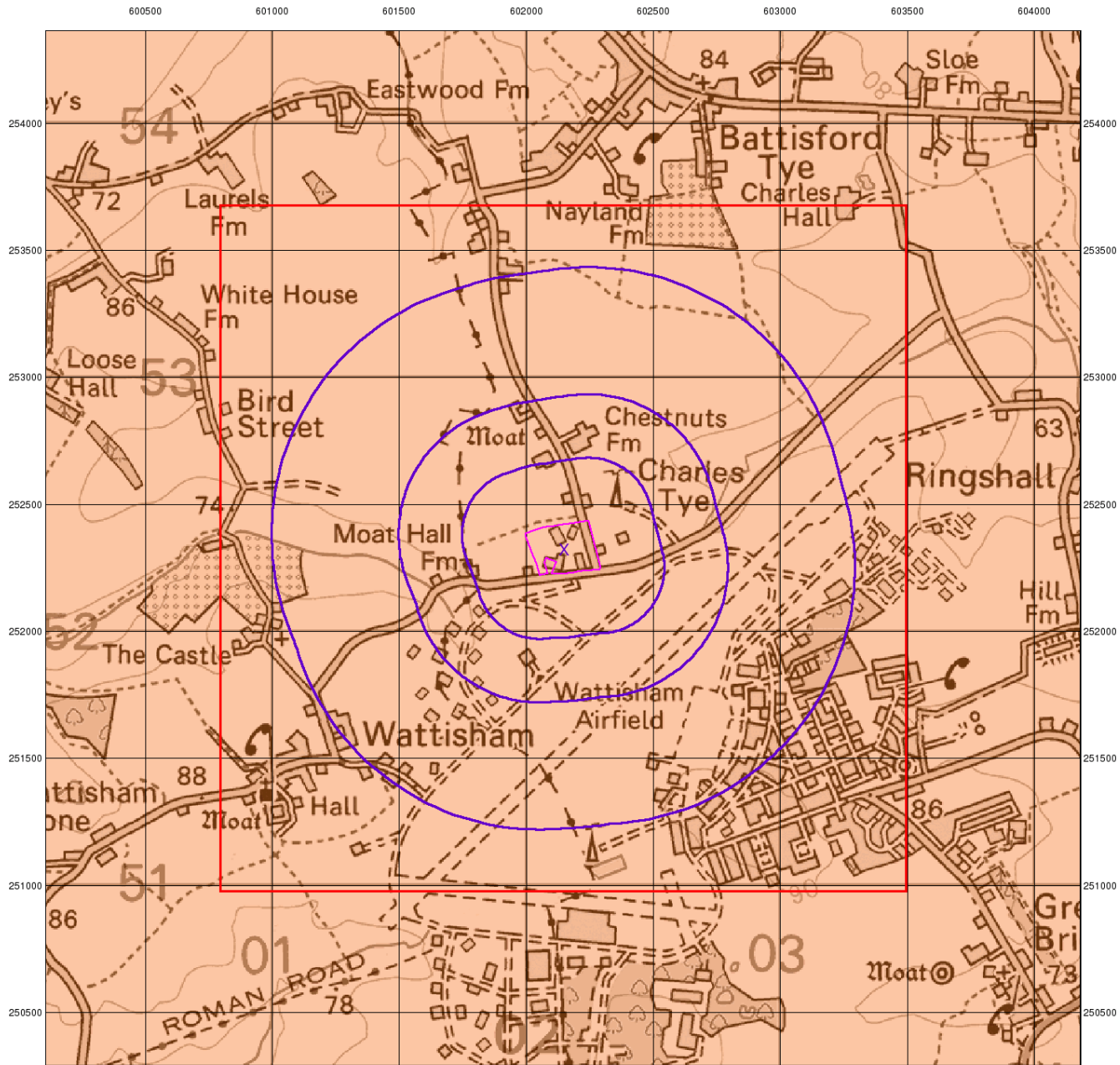
Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX

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0 1 km

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## BGS Flood GFS Data

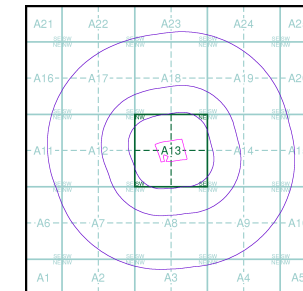
### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

### Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

## Site Sensitivity Context Map - Slice A



## Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

## Site Details

Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX

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



## General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location
- Pylon
- Overhead Transmission Line

## Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

## Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

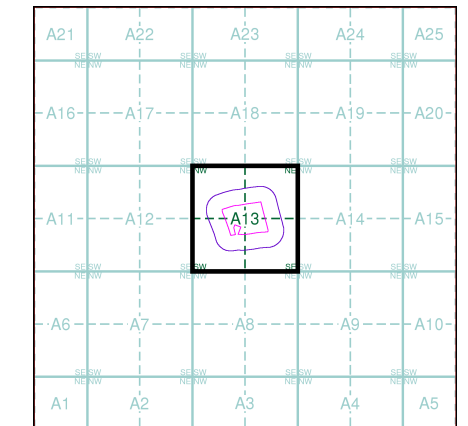
## Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

## Geological

- BGS Recorded Mineral Site

## Site Sensitivity Map - Segment A13

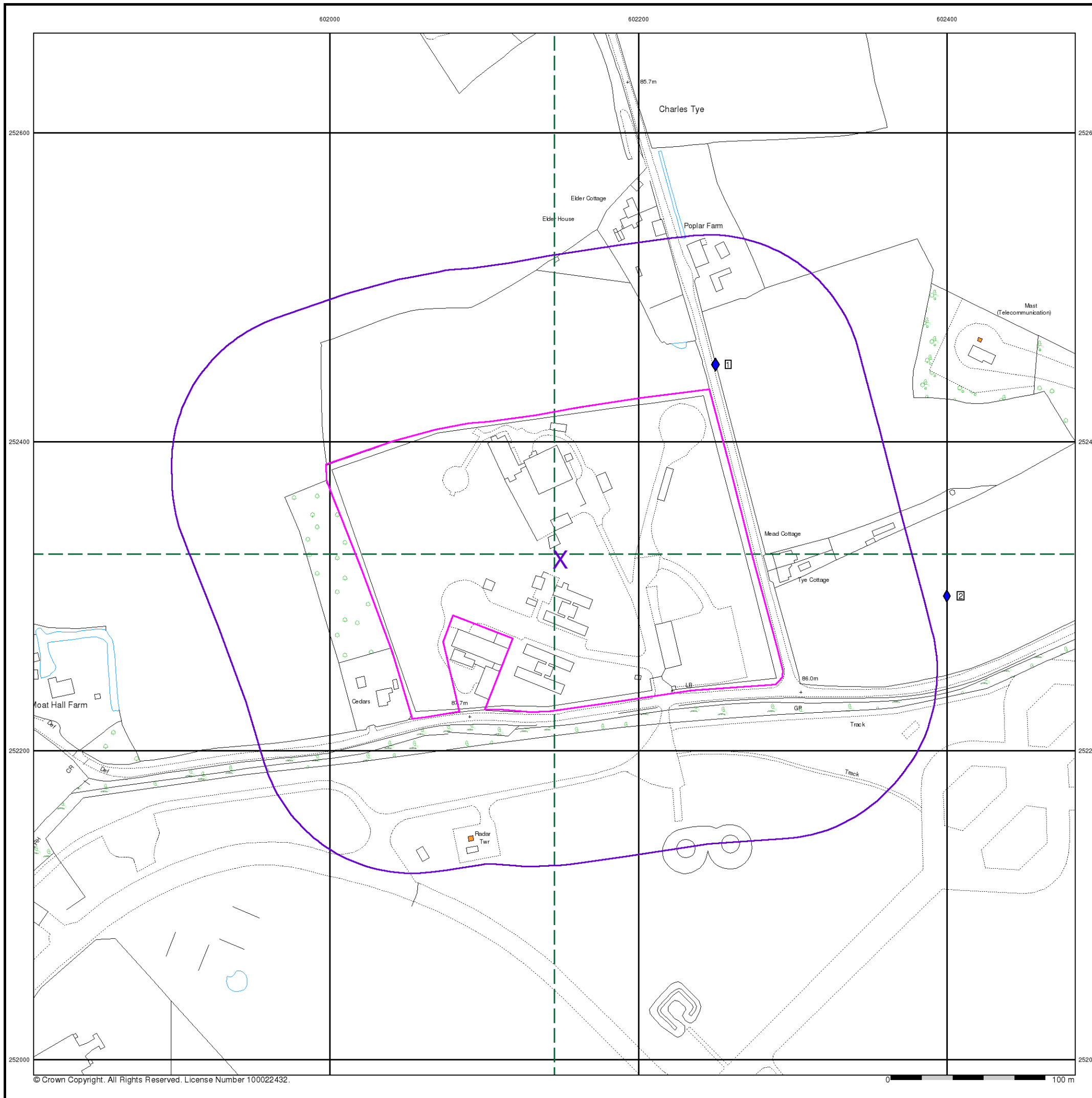


## Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Plot Buffer (m): 100

## Site Details

Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX



### General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Map ID
- Several of Type at Location

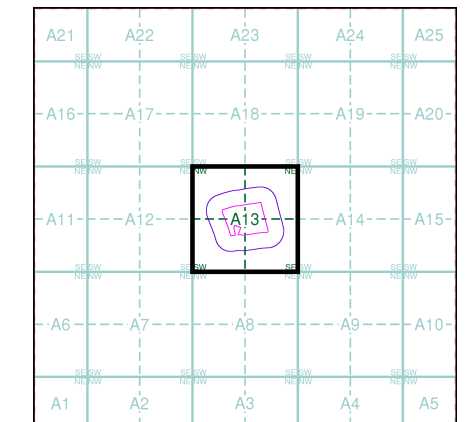
### Potentially Contaminative Industrial Uses (Extractive Industries Activity)

	Point	Line	Polygon
Extractive Industries Activity from 1855 - 1909	▲	—	■
Extractive Industries Activity from 1893 - 1915	▲	—	■
Extractive Industries Activity from 1906 - 1937	▲	—	■
Extractive Industries Activity from 1924 - 1949	▲	—	■
Extractive Industries Activity from 1950 - 1980	▲	—	■

### Subterranean Features

	Point	Line	Polygon
Subterranean Features	▼	- - -	■

### Mining and Ground Stability - Segment A13

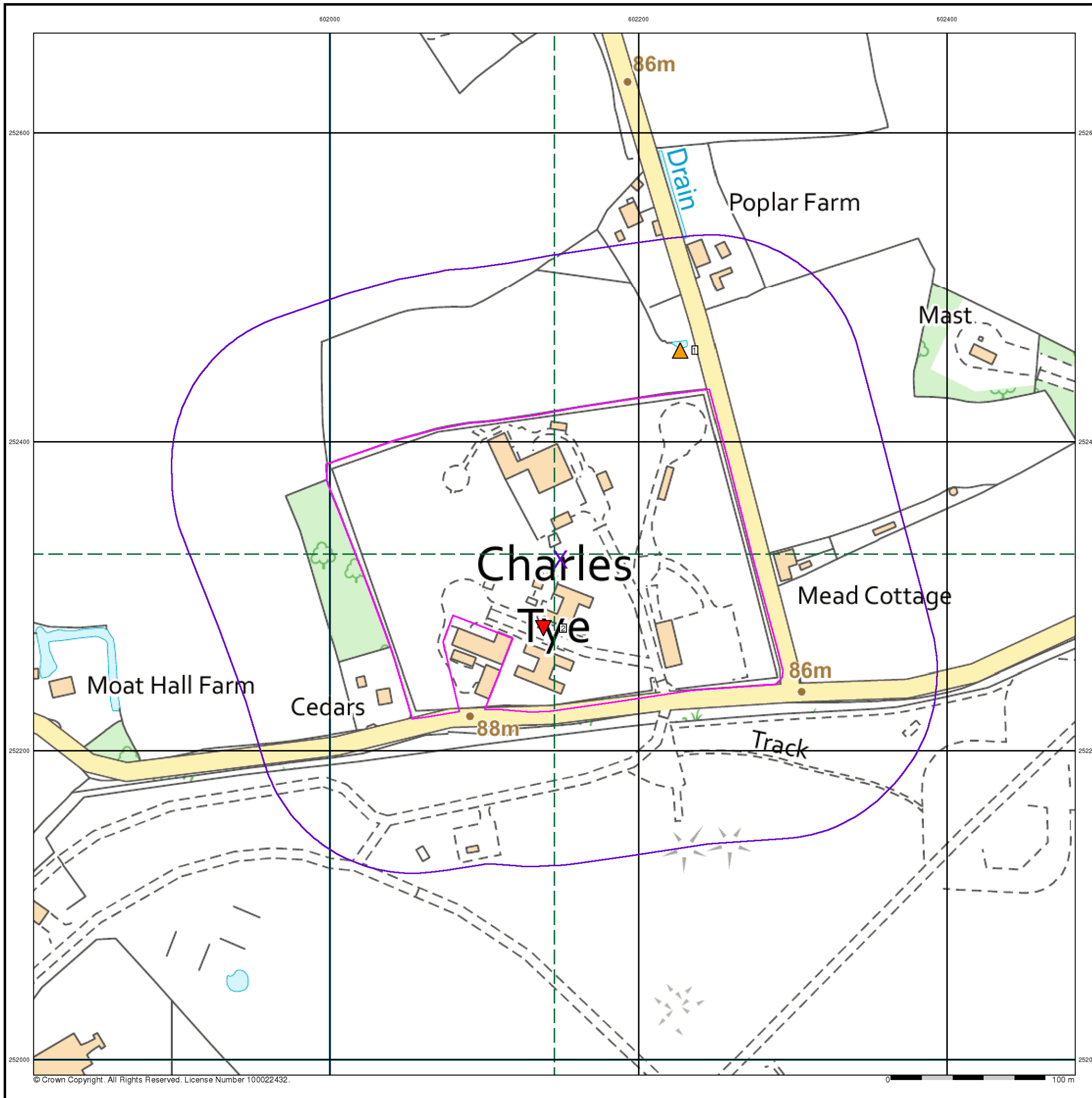


### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Plot Buffer (m): 100

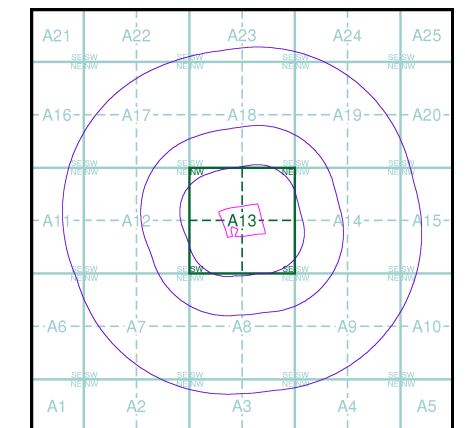
### Site Details

Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX



- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
  - BGS Recorded Mineral Site
- Waste**
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Non-water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Potentially Infilled Land (Water)
  - Registered Landfill Site (Location)
  - Registered Landfill Site (Point Buffered to 100m)
  - Registered Landfill Site (Point Buffered to 250m)
  - Registered Waste Transfer Site (Location)
  - Registered Waste Transfer Site
  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site

## Site Sensitivity Map - Slice A

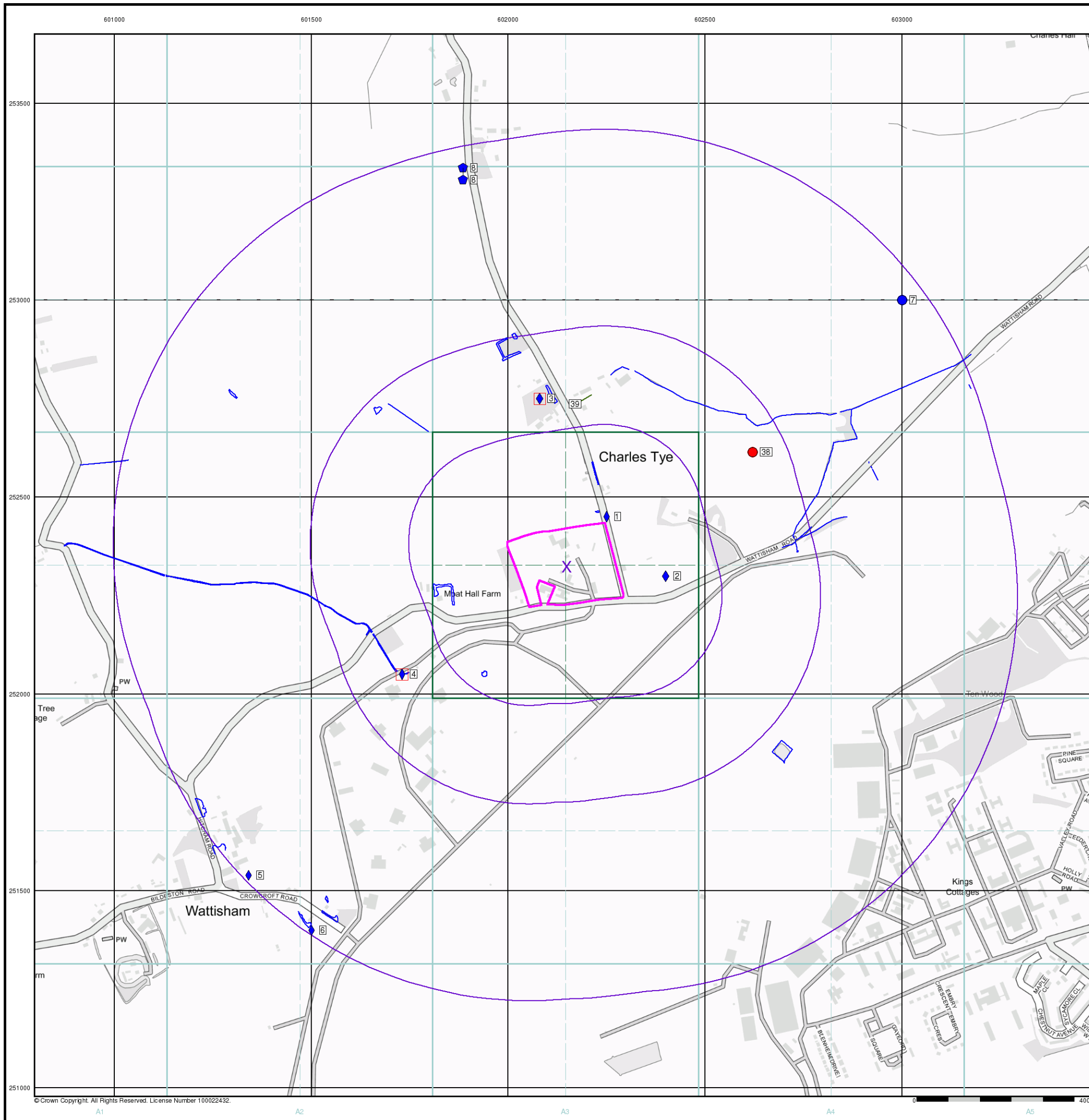


## Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

## Site Details






Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX














## Industrial Land Use Map

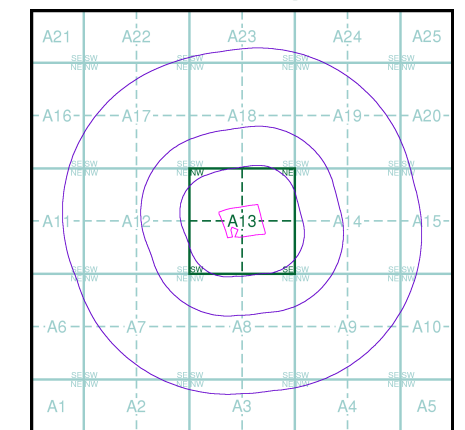
### General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Slice
-  Map ID

### Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Points of Interest - Commercial Services
-  Points of Interest - Education and Health
-  Points of Interest - Manufacturing and Production
-  Points of Interest - Public Infrastructure
-  Points of Interest - Recreational and Environmental
-  Underground Electrical Cables

### Industrial Land Use Map - Slice A

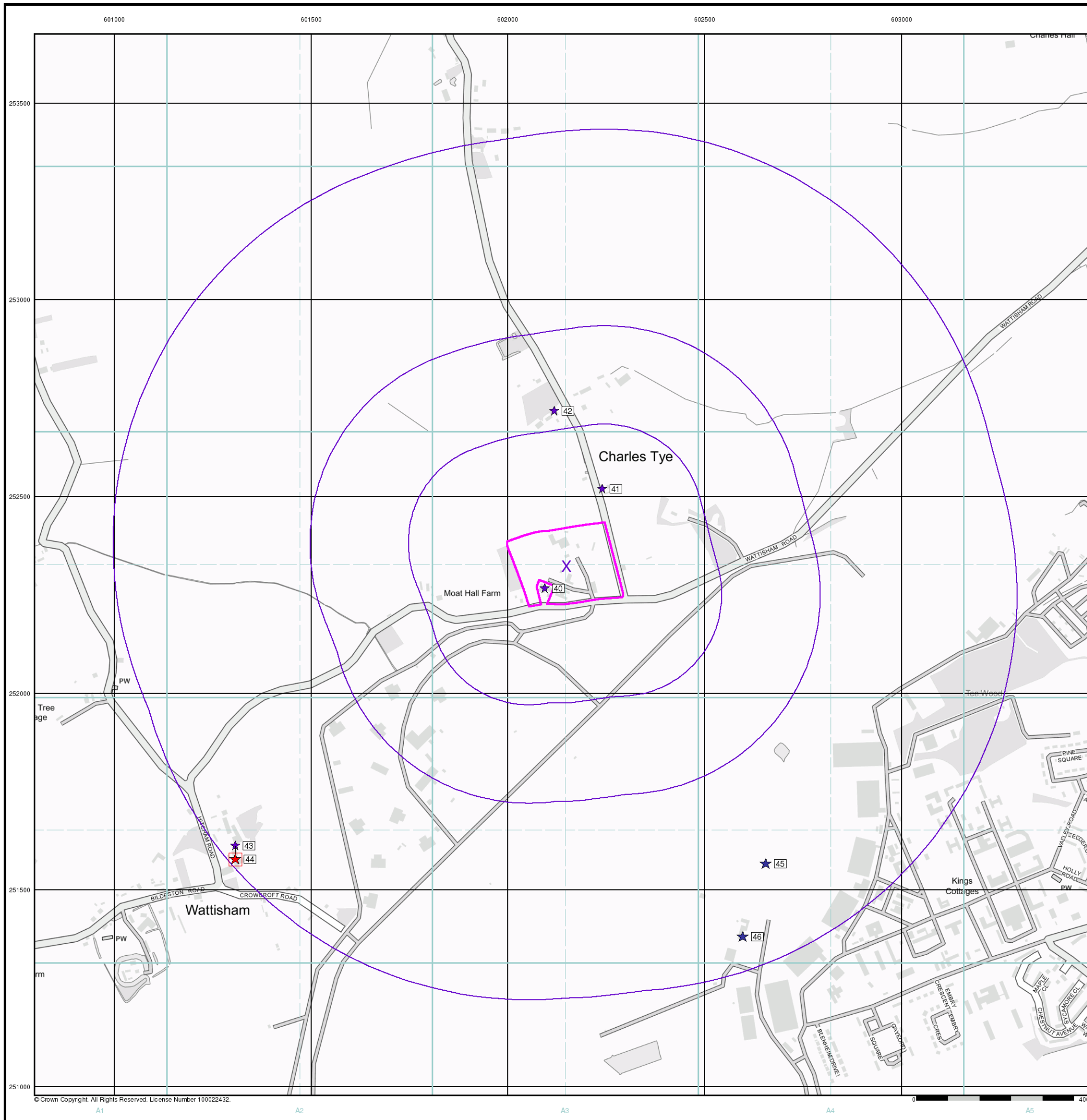


### Order Details




Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details






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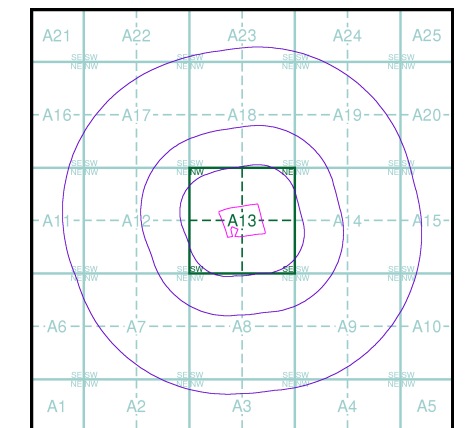
### General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

### Agency and Hydrological (Flood)

-  Extreme Flooding from Rivers or Sea without Defences (Zone 2)
-  Flooding from Rivers or Sea without Defences (Zone 3)
-  Area Benefiting from Flood Defence
-  Flood Water Storage Areas
-  Flood Defence

### Flood Map - Slice A



### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

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### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

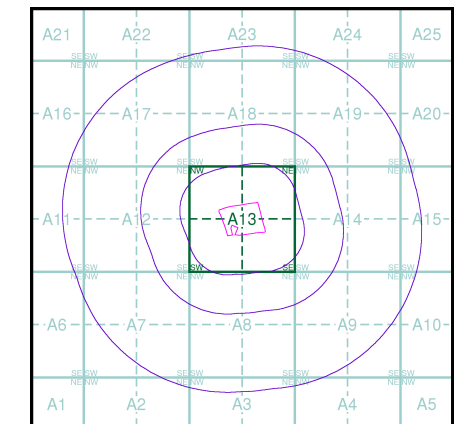
### Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

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](http://www.envirocheck.co.uk).

### Borehole Map - Slice A

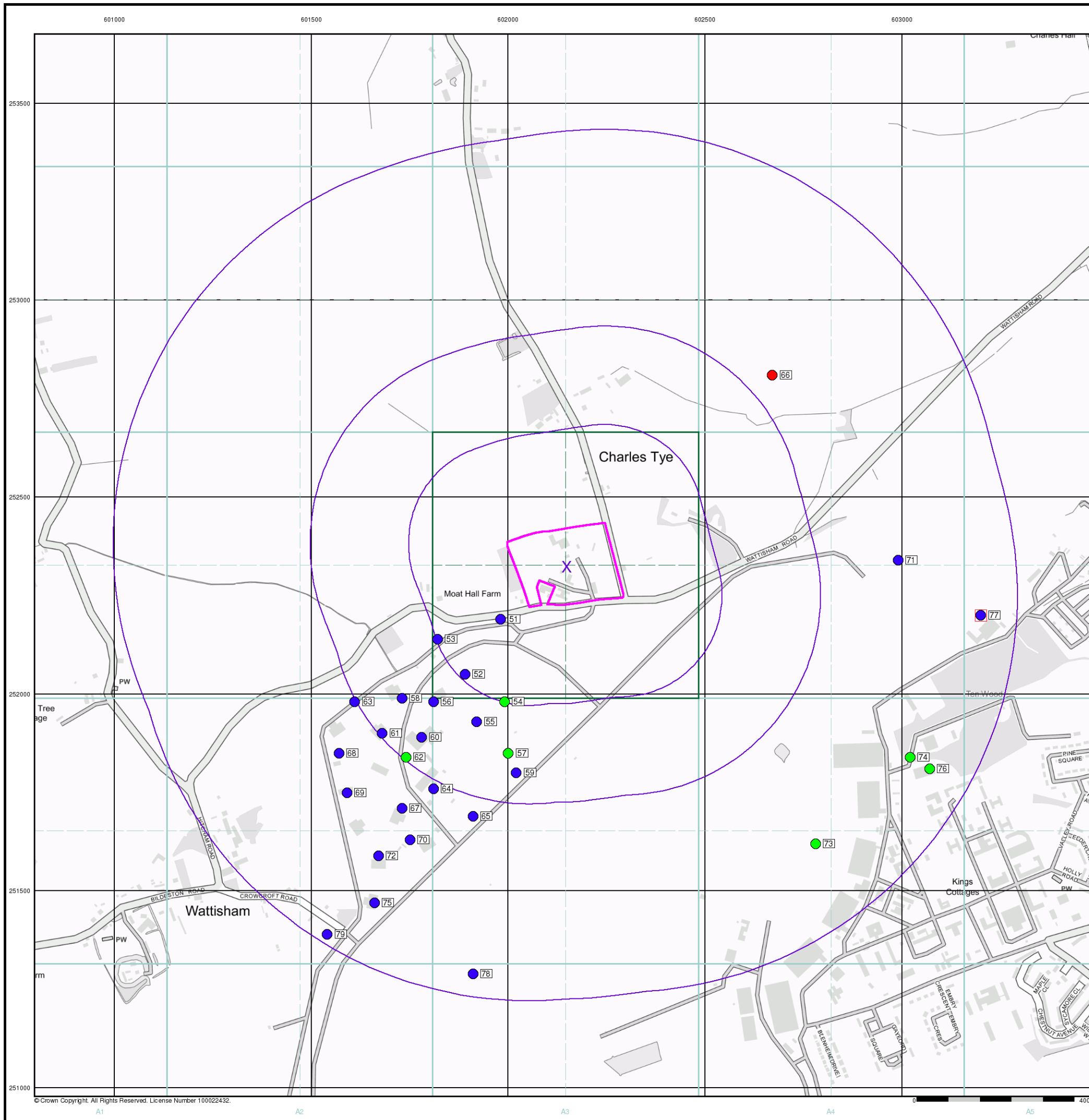


### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

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## General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

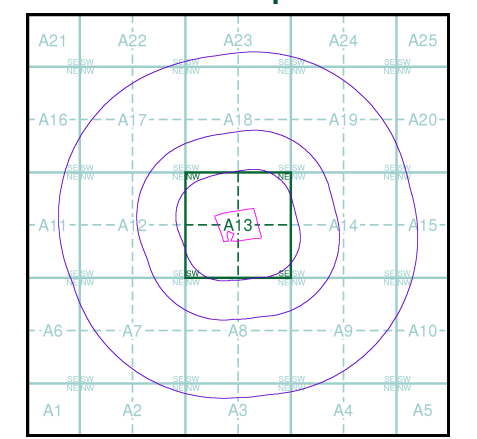
## OS Water Network Data

- |              |                         |
|--------------|-------------------------|
| Canal        | Drain                   |
| Reservoir    | Other                   |
| Foreshore    | Lake                    |
| Marsh        | Transfer                |
| Tidal River  | Lock Or Flight Of Locks |
| Inland River | Sea                     |

## Contours (height in meters)

- Standard Contour
- Master Contour
- Spot Height
- MLW Mean Low Water
  - MHW Mean High Water

## OS Water Network Map - Slice A



## Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

## Site Details

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**Landmark**  
 INFORMATION GROUP

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

### General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

### Risk of Flooding from Surface Water

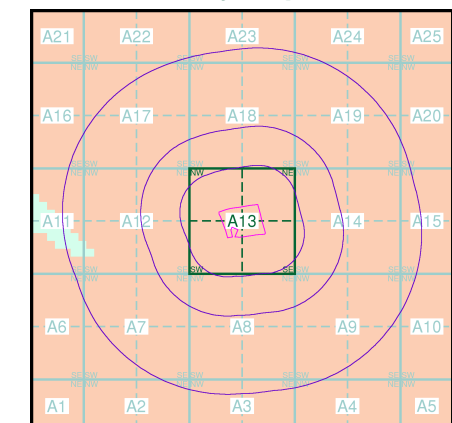
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

### Suitability

See the suitability map below

-  National to county
-  County to town
-  Town to street
-  Street to parcels of land
-  Property

### EANRW Suitability Map - Slice A

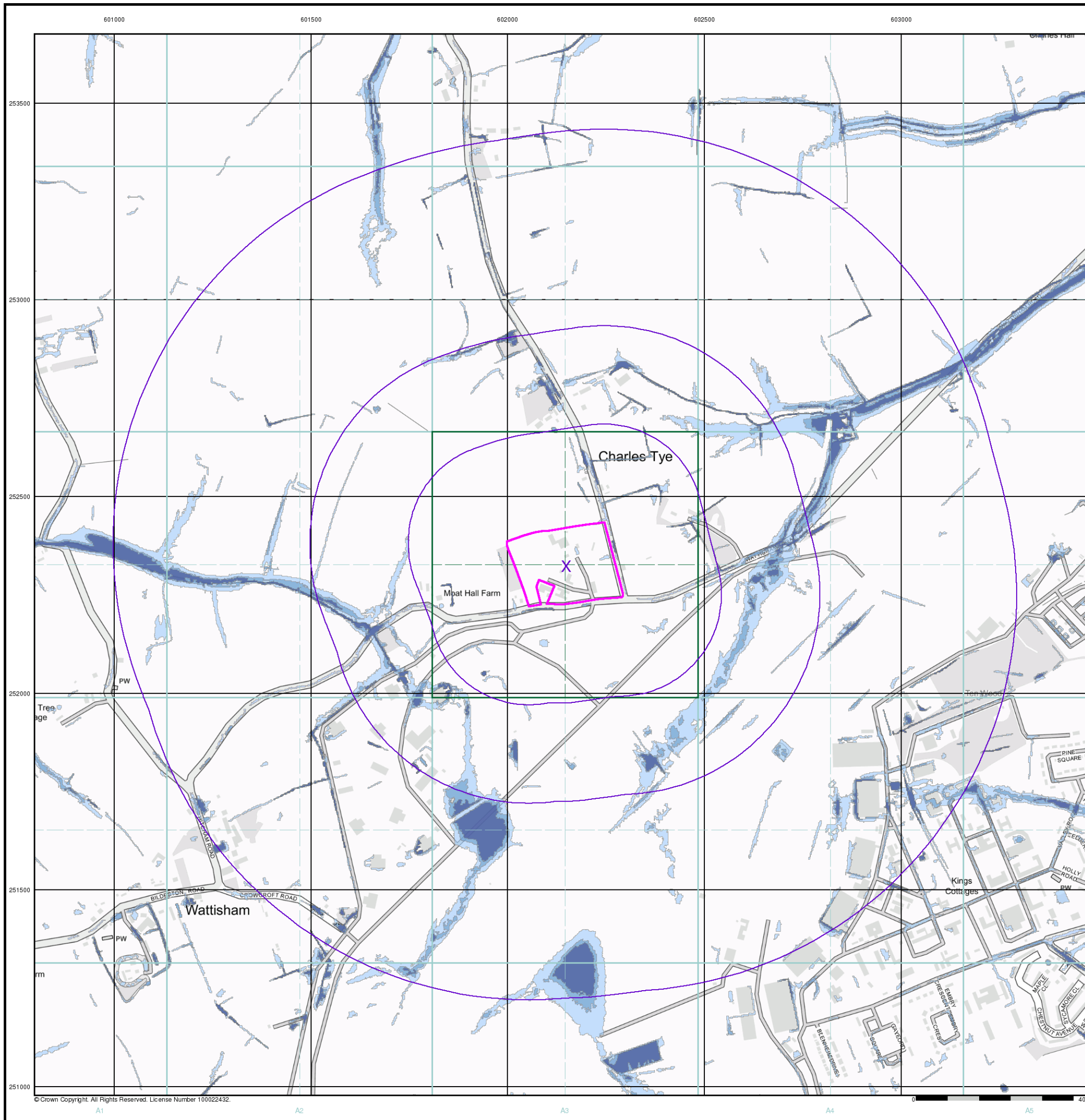


### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

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## Historical Land Use Information (1:10,000)

### General

-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point
-  Map ID
-  Several of Type at Location



### Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

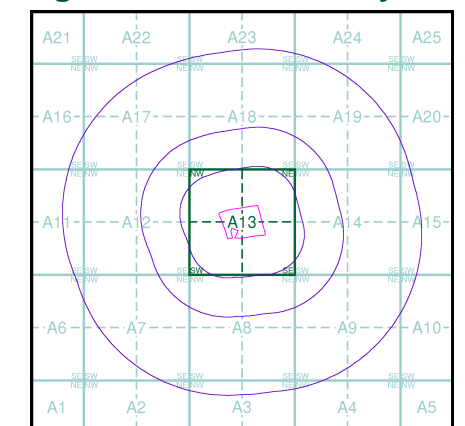
### Historical Land Use

	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

### Mining Data

-  Potential Mining Area
-  BGS Recorded Mineral Site

### Mining and Ground Stability - Slice A

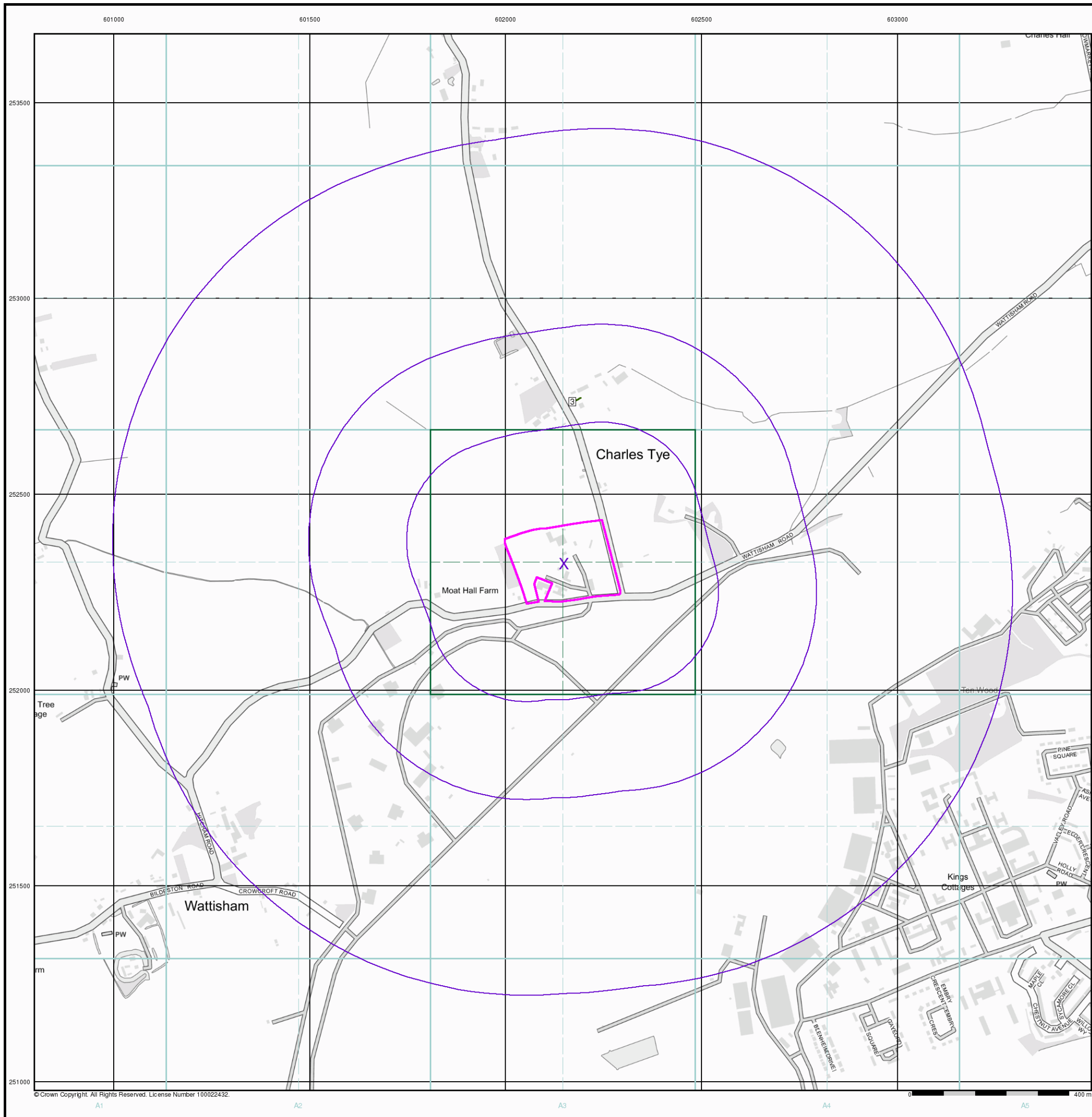


### Order Details

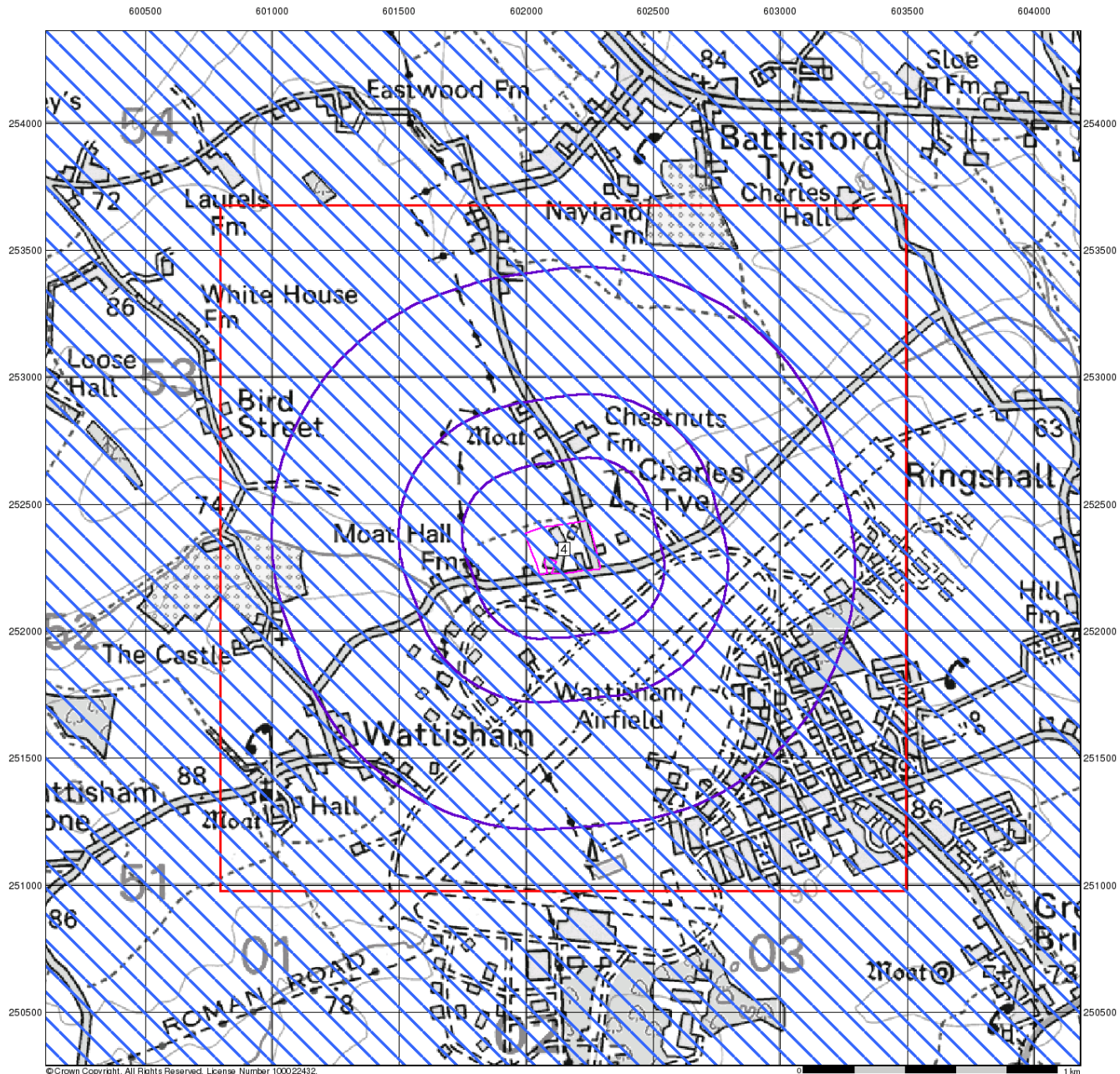
Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

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0 1 km

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## Ground Stability Data (1:50,000)

### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Potential for Compressible Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

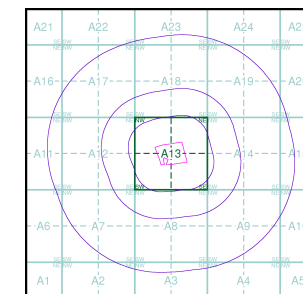
### Potential for Collapsible Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Brine Pumping and Salt Mining

- |                               | Point | Polygon |
|-------------------------------|-------|---------|
| Brine Pumping Related Feature |       |         |
| Salt Mining Related Feature   |       |         |

### Mining and Ground Stability - Slice A



### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

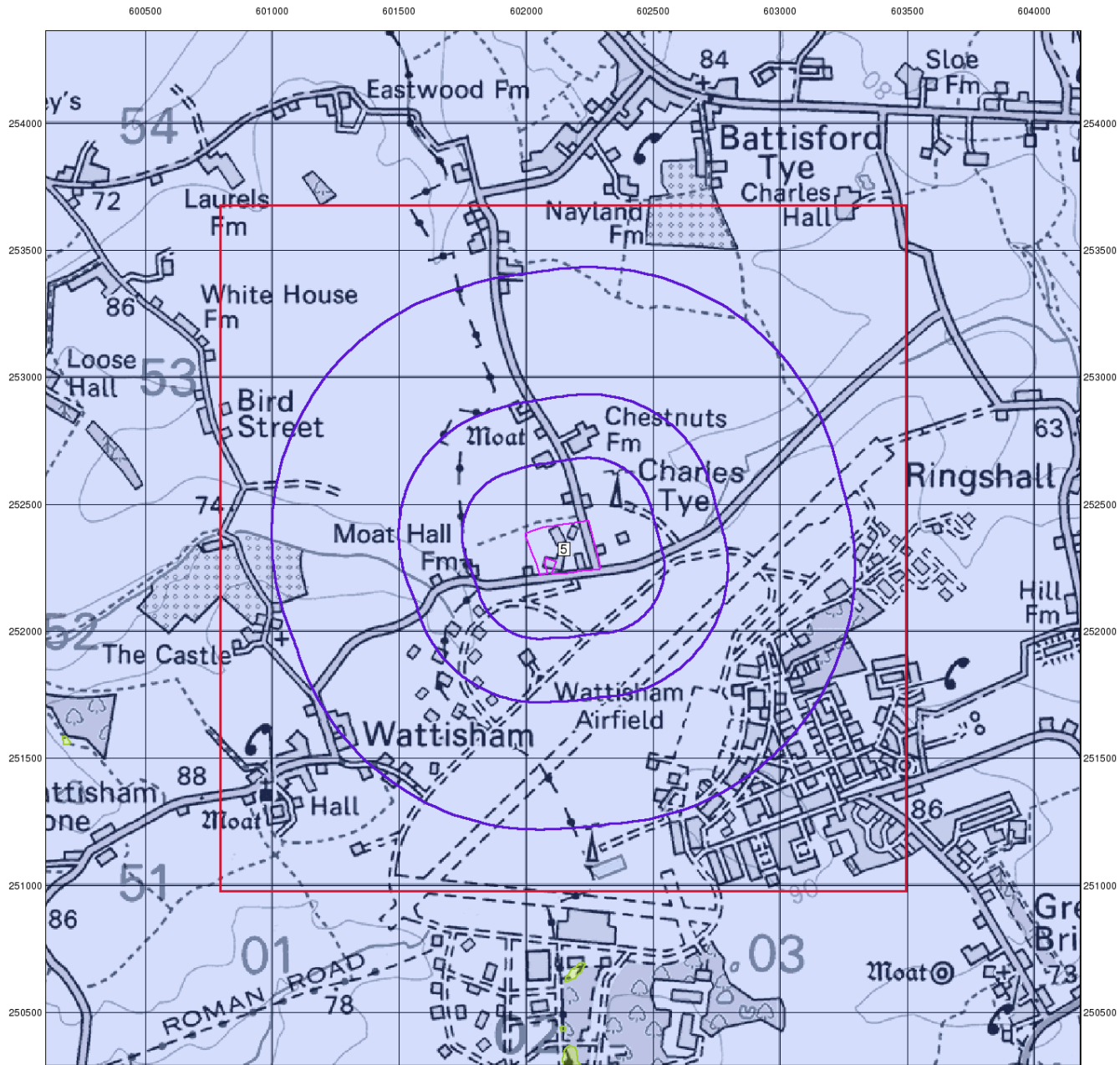
### Site Details

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Tel: 0844 844 9952  
 Fax: 0844 844 9951  
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0 1 km

# Envirocheck®

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## Ground Stability Data (1:50,000)

### General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

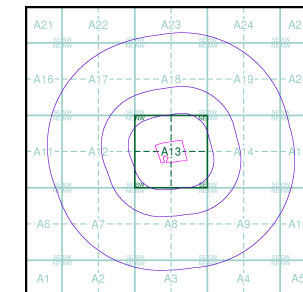
### Potential for Landslide Ground Stability Hazards

- High
- Low
- Moderate
- Very Low

### Potential for Ground Dissolution Stability Hazards

- High
- Low
- Moderate
- Very Low

### Mining and Ground Stability - Slice A



### Order Details

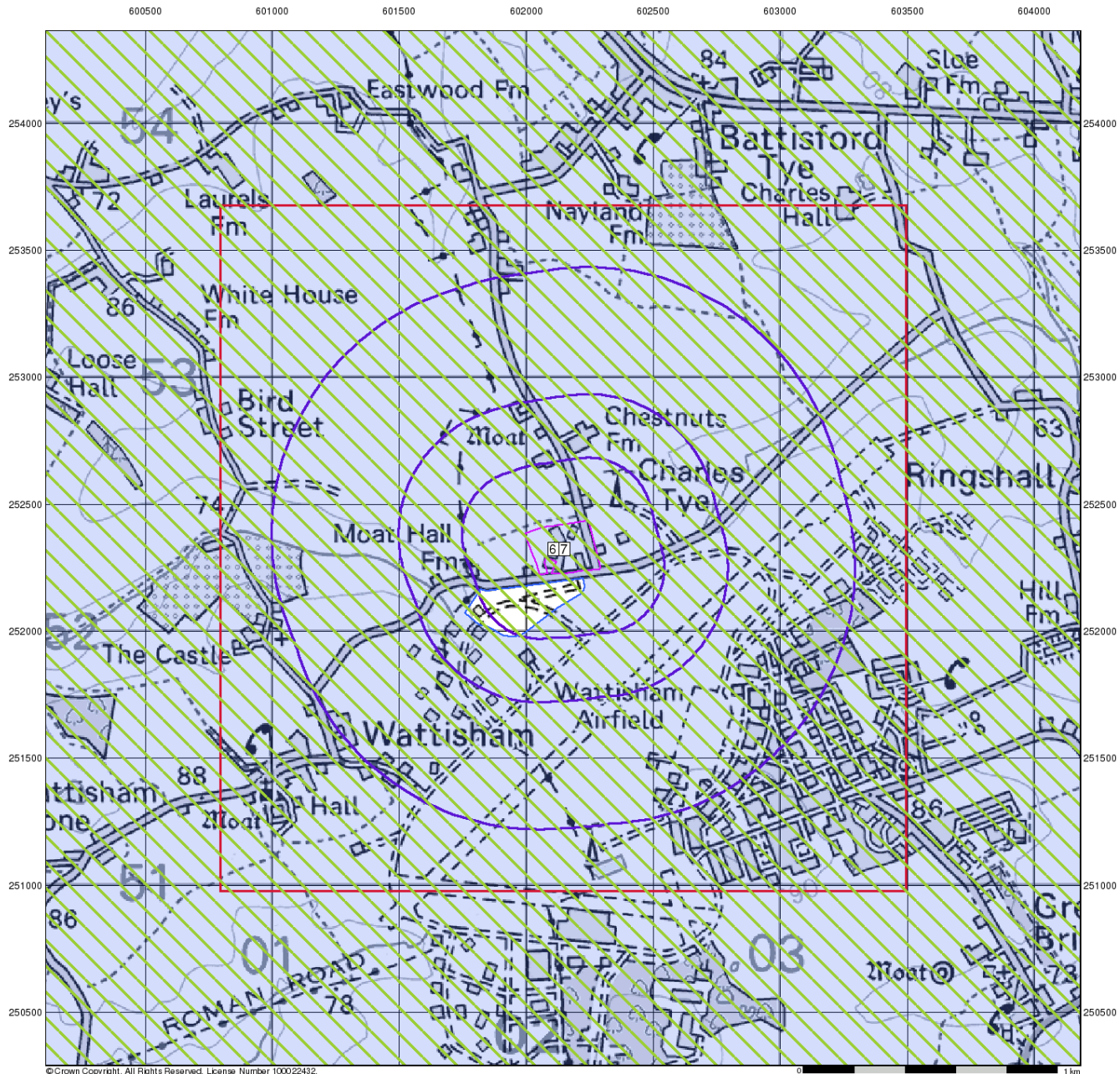
Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

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## Ground Stability Data (1:50,000)

### General

- ▭ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- ▭ Slice
- B Map ID

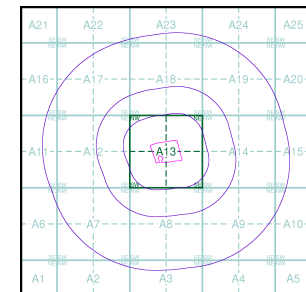
### Potential for Running Sand Ground Stability Hazards

- ▭ High
- ▭ Moderate
- ▭ Low
- ▭ Very Low

### Potential for Shrinking or Swelling Clay Ground Stability Hazards

- ▧ High
- ▧ Moderate
- ▧ Low
- ▧ Very Low

### Mining and Ground Stability - Slice A



### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

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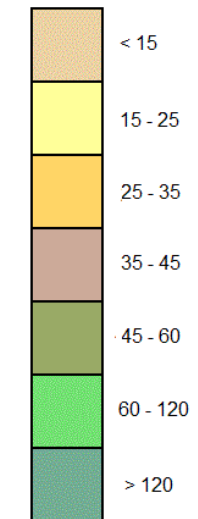


## General

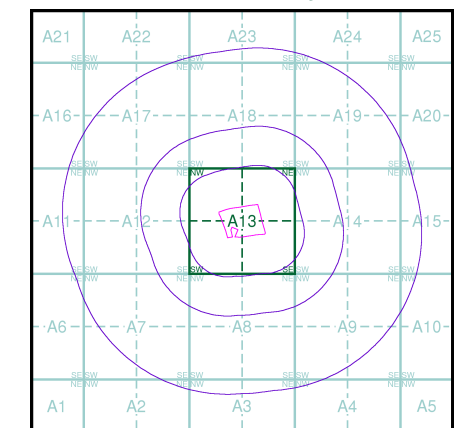
□ Specified Site     
 ○ Specified Buffer(s)     
 X Bearing Reference Point

## Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



## Estimated Soil Chemistry Arsenic - Slice A

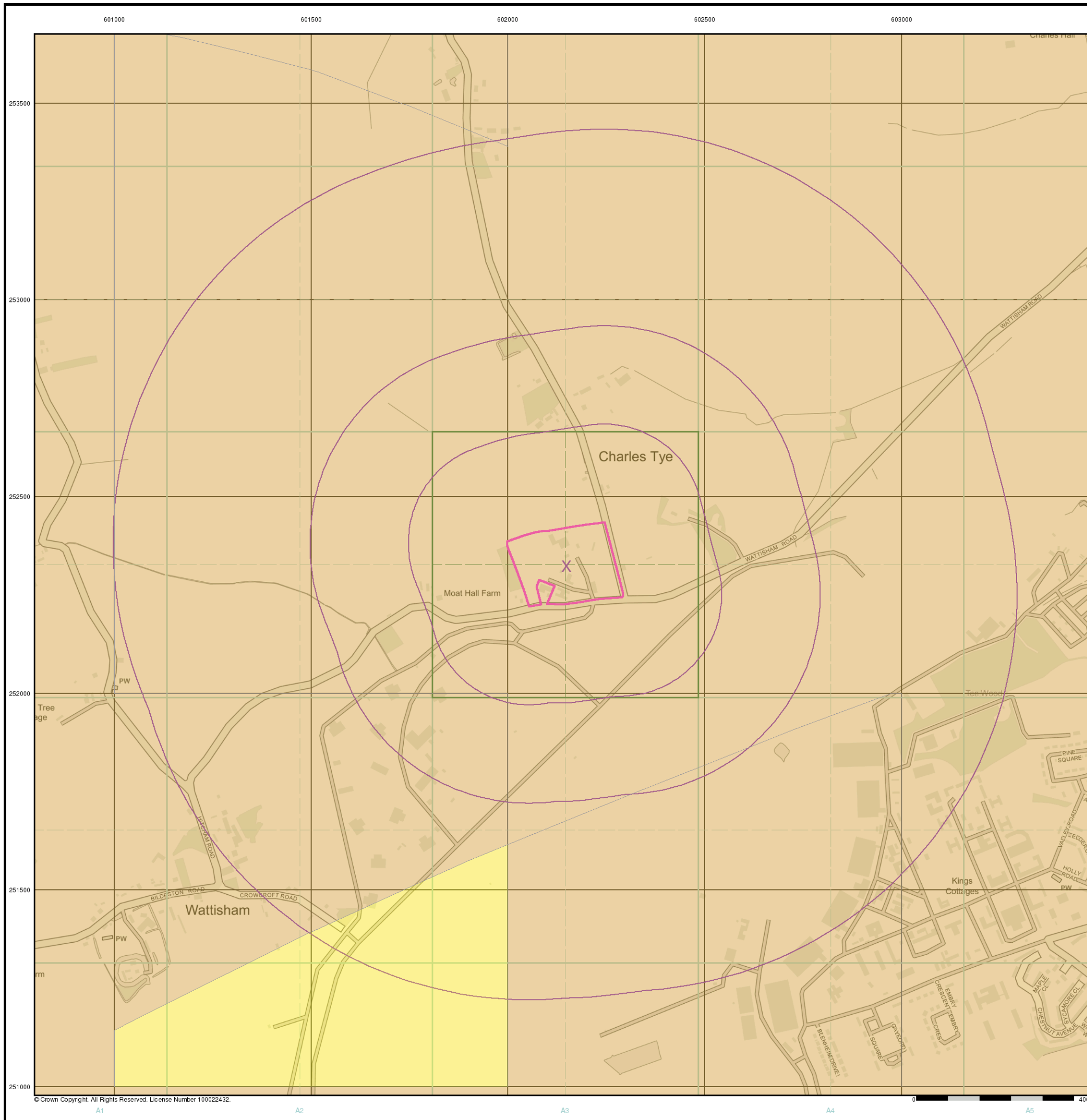


## Order Details

Order Details: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

## Site Details

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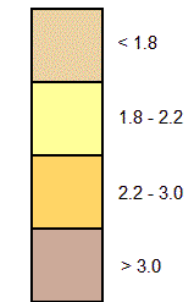


## General

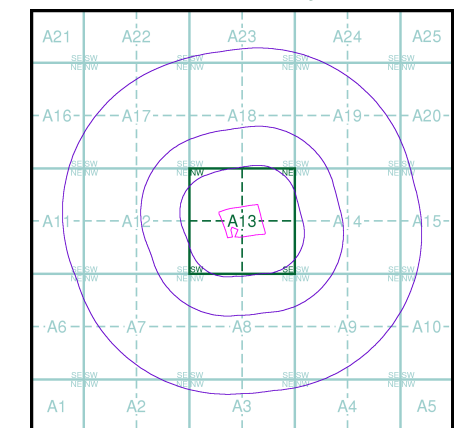
○ Specified Site     
 ○ Specified Buffer(s)     
 X Bearing Reference Point

## Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



## Estimated Soil Chemistry Cadmium - Slice A

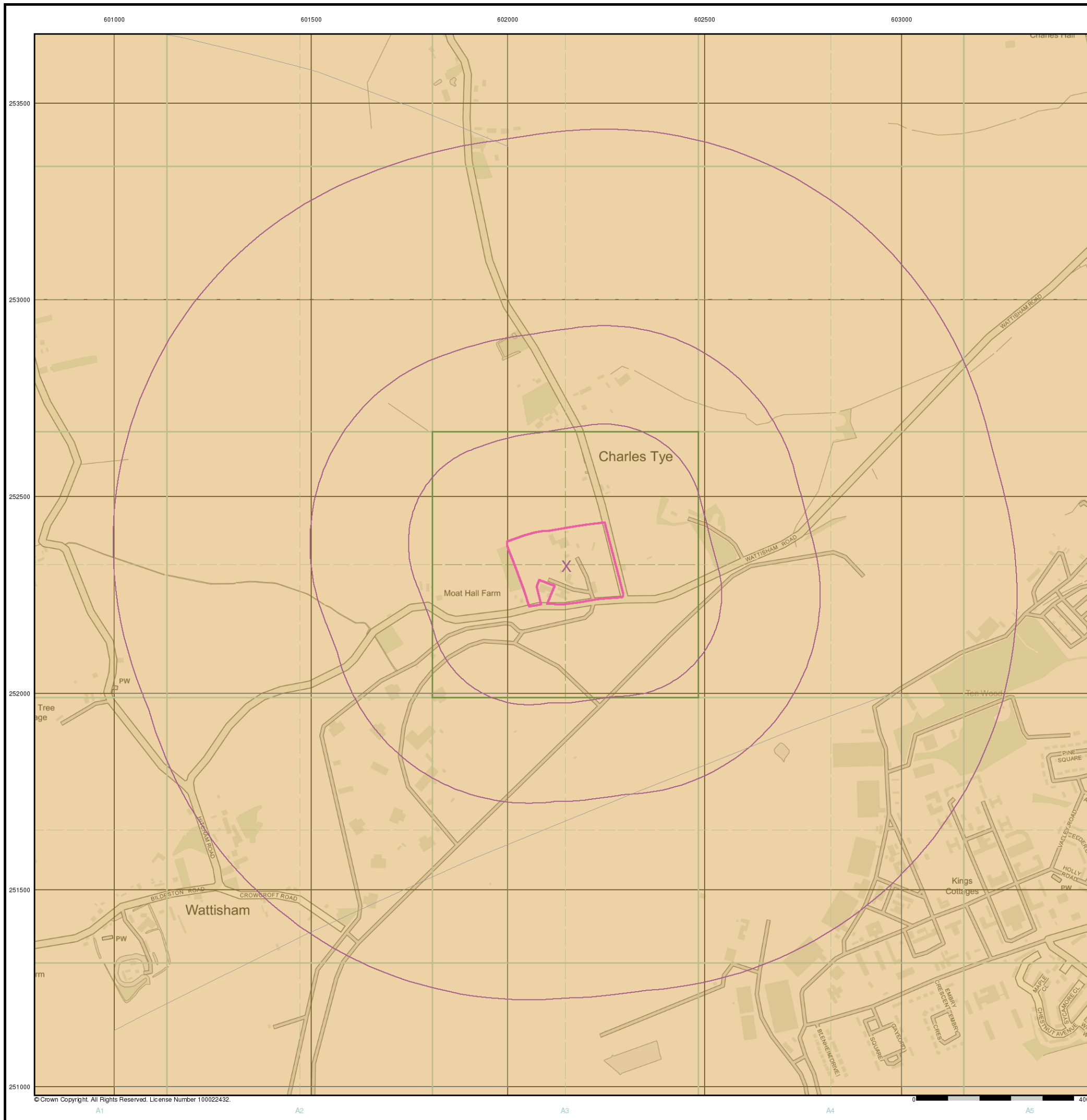


## Order Details

Order Details: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

## Site Details

Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX



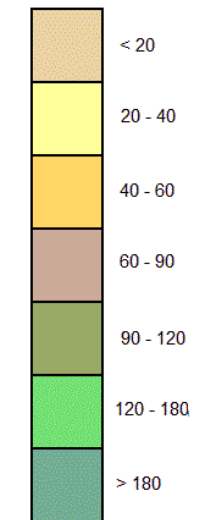


## General

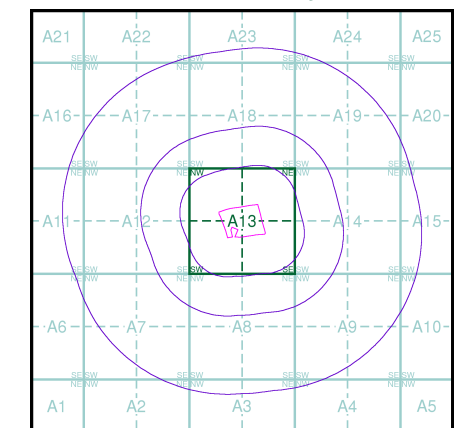
□ Specified Site    
 ○ Specified Buffer(s)    
 X Bearing Reference Point

## Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



## Estimated Soil Chemistry Chromium - Slice A

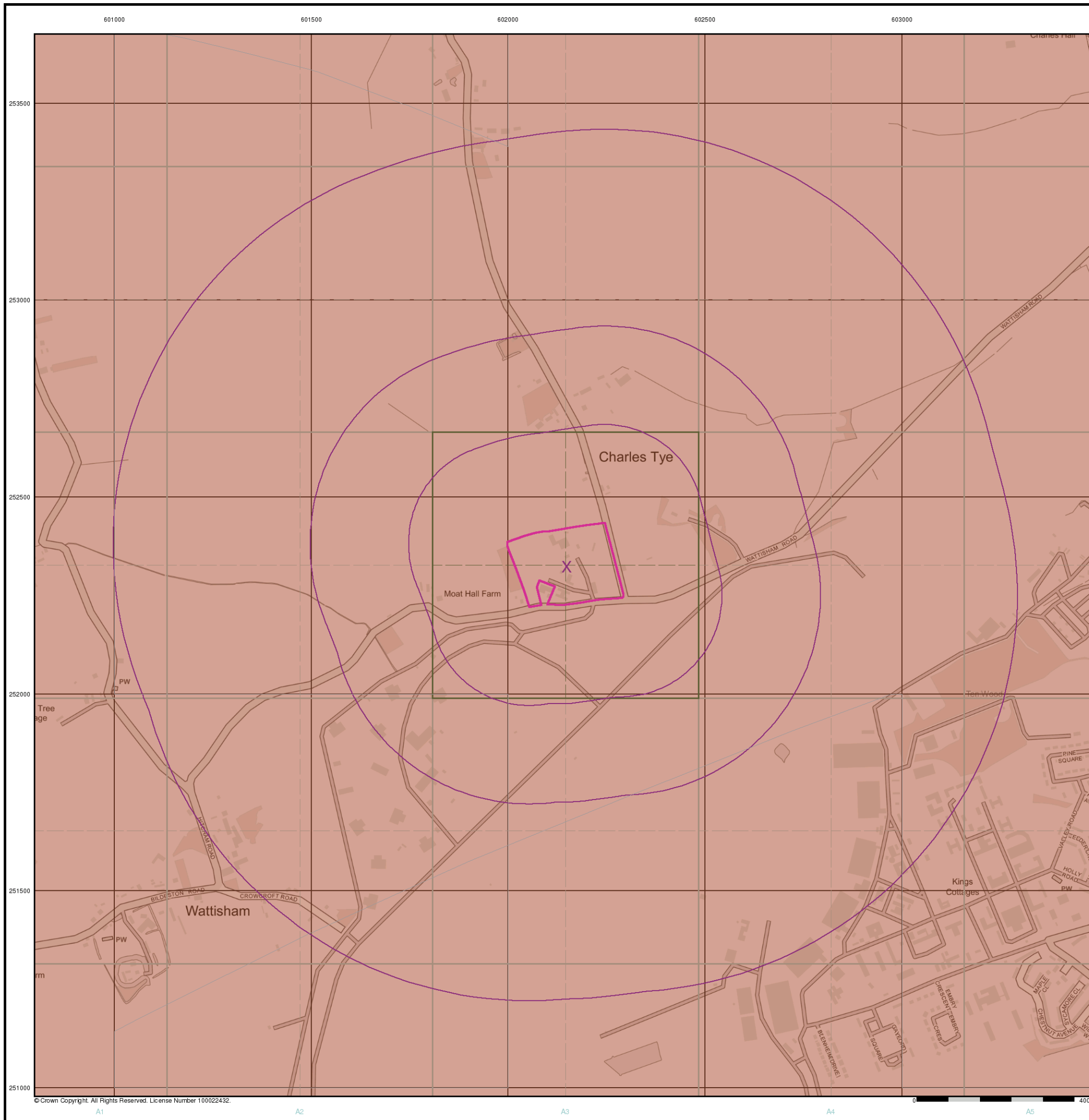


## Order Details

Order Details: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

## Site Details

Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX



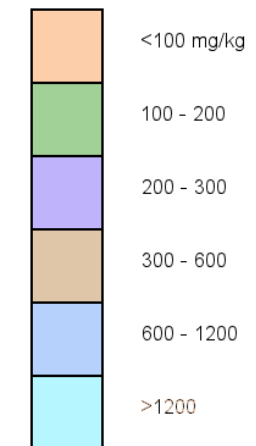
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### General

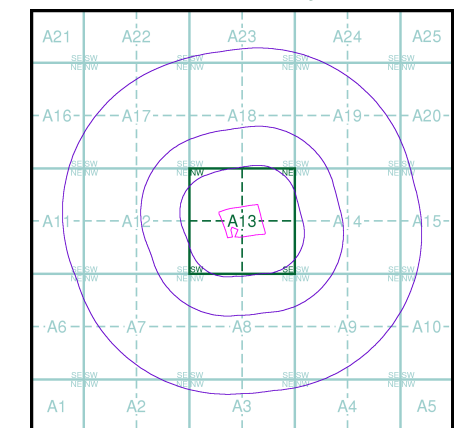
□ Specified Site    
 ○ Specified Buffer(s)    
 X Bearing Reference Point

### Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



### Estimated Soil Chemistry Lead - Slice A

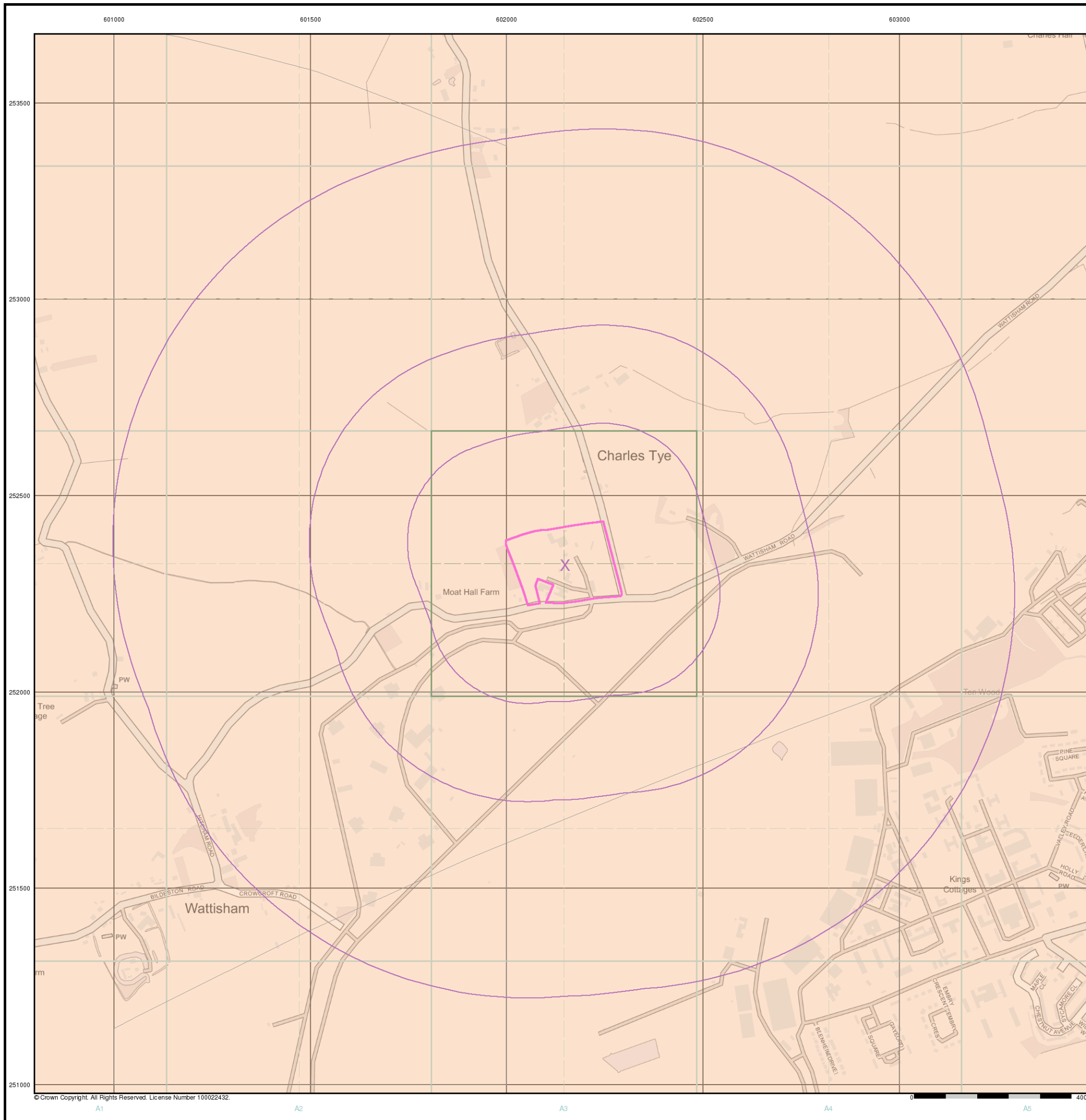


### Order Details

Order Details: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX



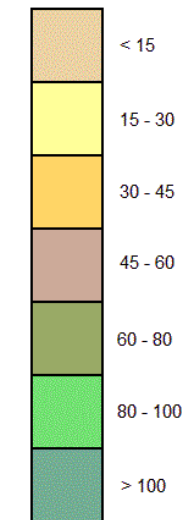
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### General

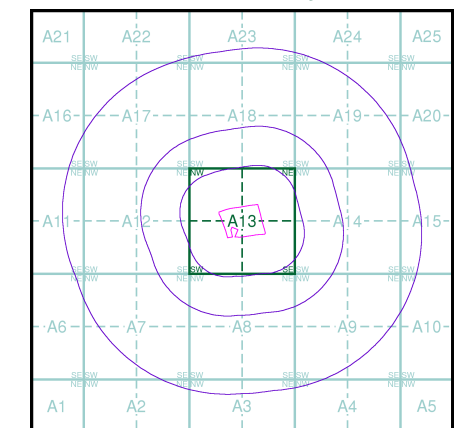
□ Specified Site    
 ○ Specified Buffer(s)    
 X Bearing Reference Point

### Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



### Estimated Soil Chemistry Nickel - Slice A

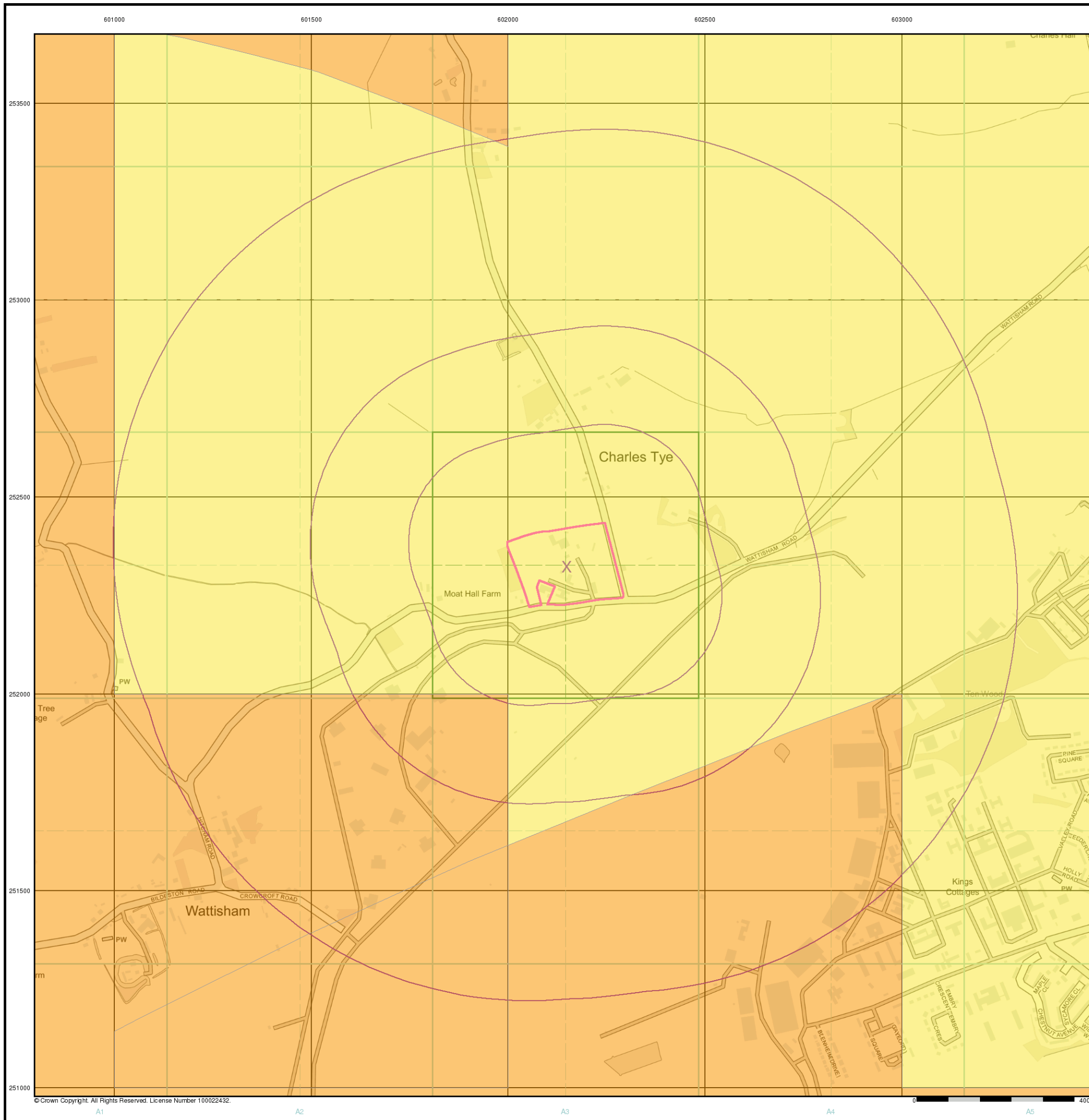


### Order Details

Order Details: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

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## Appendix 4 – Envirocheck Historical Maps



# Historical Mapping Legends

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

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

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

**Inactive Quarry, Chalk Pit or Clay Pit**   **Active Quarry, Chalk Pit or Clay Pit**  
**Rock**   **Boulders**  
**Cliff**   **Slopes**   **Top**  
**Roofed Building**   **Glazed Roof Building**  
**Sloping Masonry**   **Archway**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Bench Mark**   **Antiquity (site of)**  
**Cave Entrance**   **Triangulation Station**   **Electricity Pylon**  
**Electricity Transmission Line**  
**County Boundary (Geographical)**  
**County & Civil Parish Boundary**  
**Civil Parish Boundary**  
**Admin. County or County Bor. Boundary**  
**London Borough Boundary**  
**Symbol marking point where boundary mereing changes**  
**BH** Beer House   **P** Pillar, Pole or Post  
**BP, BS** Boundary Post or Stone   **PO** Post Office  
**Cn, C** Capstan, Crane   **PC** Public Convenience  
**Chy** Chimney   **PH** Public House  
**D Fn** Drinking Fountain   **Pp** Pump  
**EI P** Electricity Pillar or Post   **SB, S Br** Signal Box or Bridge  
**FAP** Fire Alarm Pillar   **SP, SL** Signal Post or Light  
**FB** Foot Bridge   **Spr** Spring  
**GP** Guide Post   **Tk** Tank or Track  
**H** Hydrant or Hydraulic   **TCB** Telephone Call Box  
**LC** Level Crossing   **TCP** Telephone Call Post  
**MH** Manhole   **Tr** Trough  
**MP** Mile Post or Mooring Post   **Wr Pt, Wr T** Water Point, Water Tap  
**MS** Mile Stone   **W** Well  
**NTL** Normal Tidal Limit   **Wd Pp** Wind Pump

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

**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **Bracken**  
**Coppice, Osier**   **Reeds**   **Marsh, Saltings**  
**Rough Grassland**   **Heath**   **Culvert**  
**Direction of water flow**   **Triangulation Station**   **Antiquity (site of)**  
**Electricity Transmission Line**   **Electricity Pylon**  
**B.M. 231.60m** Bench Mark   **Buildings with Building Seed**  
**Roofed Building**   **Glazed Roof Building**  
**Civil parish/community boundary**  
**District boundary**  
**County boundary**  
**Boundary post/stone**  
**Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)**  
**Bks** Barracks   **P** Pillar, Pole or Post  
**Bty** Battery   **PO** Post Office  
**Cemy** Cemetery   **PC** Public Convenience  
**Chy** Chimney   **Pp** Pump  
**Cis** Cistern   **Ppg Sta** Pumping Station  
**Dismtd Rly** Dismantled Railway   **PW** Place of Worship  
**EI Gen Sta** Electricity Generating Station   **Sewage Ppg Sta** Sewage Pumping Station  
**EI P** Electricity Pole, Pillar   **SB, S Br** Signal Box or Bridge  
**EI Sub Sta** Electricity Sub Station   **SP, SL** Signal Post or Light  
**FB** Filter Bed   **Spr** Spring  
**Fn / D Fn** Fountain / Drinking Ftn.   **Tk** Tank or Track  
**Gas Gov** Gas Valve Compound   **Tr** Trough  
**GVC** Gas Governor   **Wd Pp** Wind Pump  
**GP** Guide Post   **Wr Pt, Wr T** Water Point, Water Tap  
**MH** Manhole   **Wks** Works (building or area)  
**MP, MS** Mile Post or Mile Stone   **W** Well

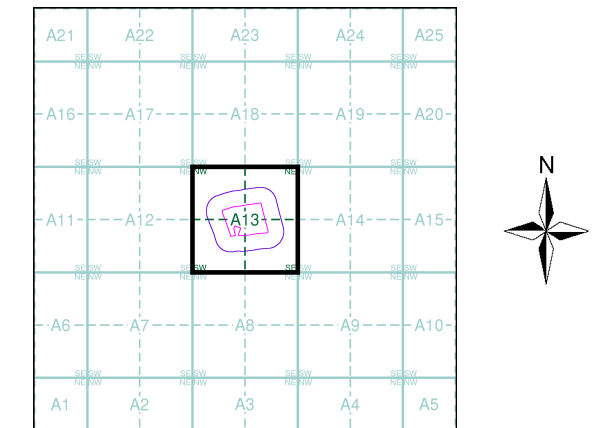
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## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:2,500	1885	2
Suffolk	1:2,500	1904	3
Ordnance Survey Plan	1:2,500	1974 - 1975	4
Large-Scale National Grid Data	1:2,500	1995	5
Historical Aerial Photography	1:2,500	1999	6

## Historical Map - Segment A13



## Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 100

## Site Details

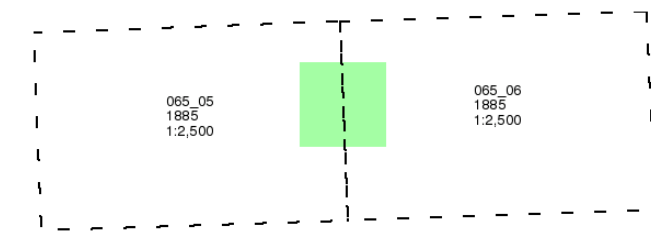
Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX

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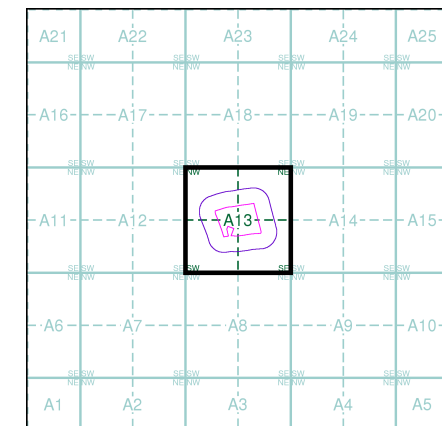
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk

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

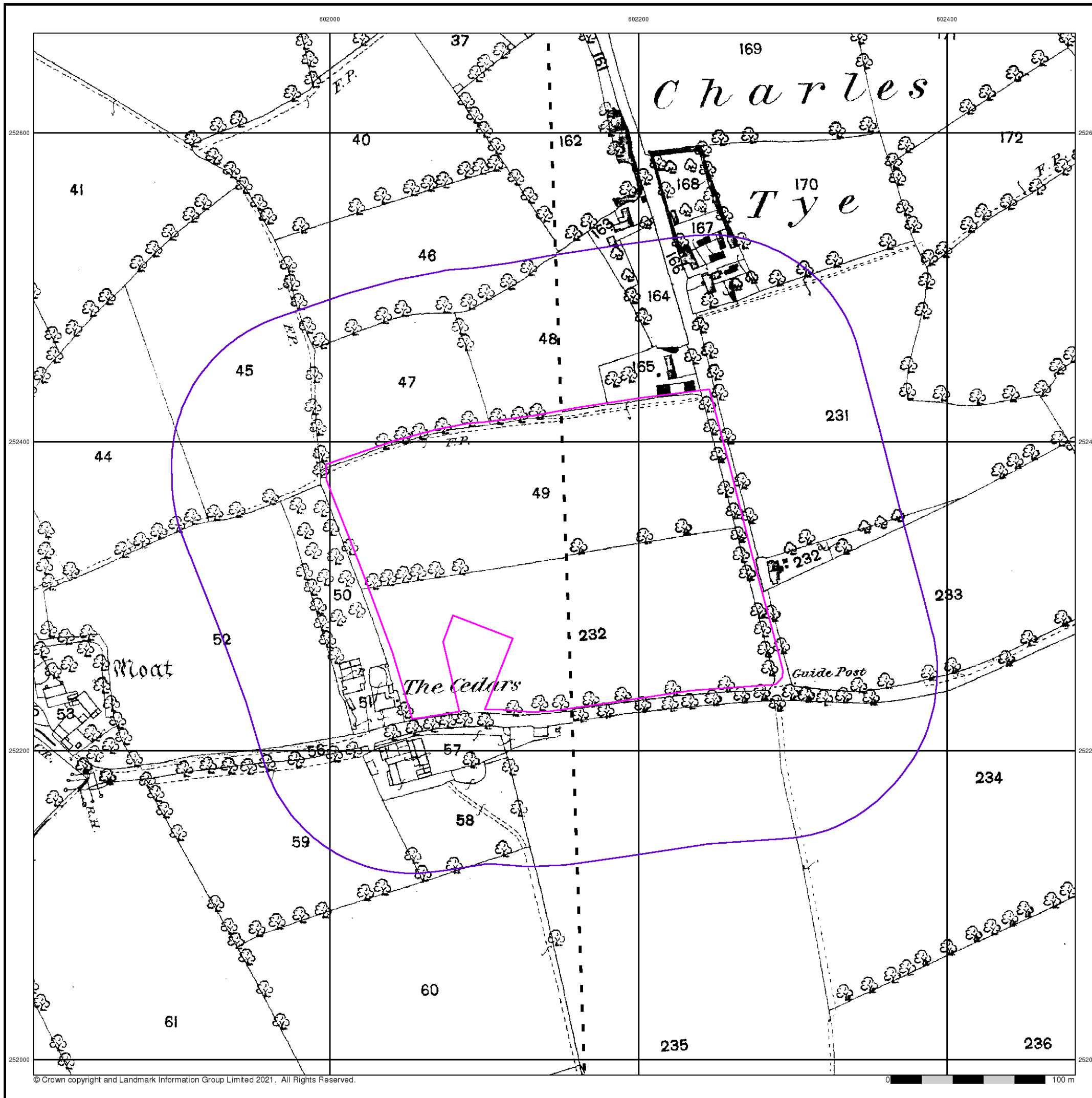


### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 100

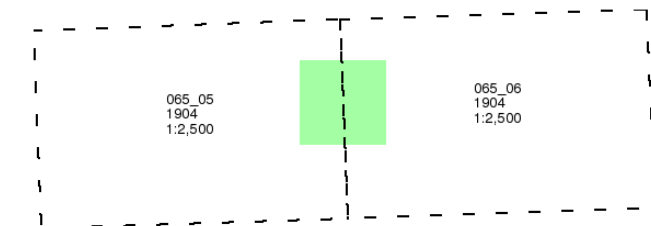
### Site Details

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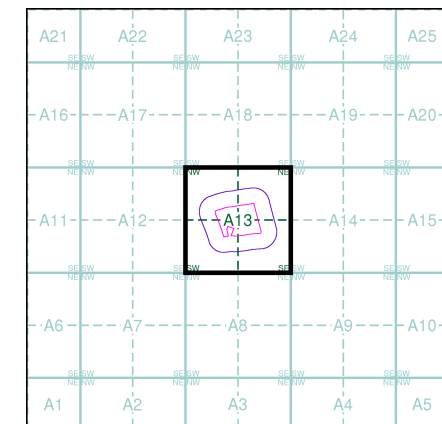


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

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



### Historical Map - Segment A13

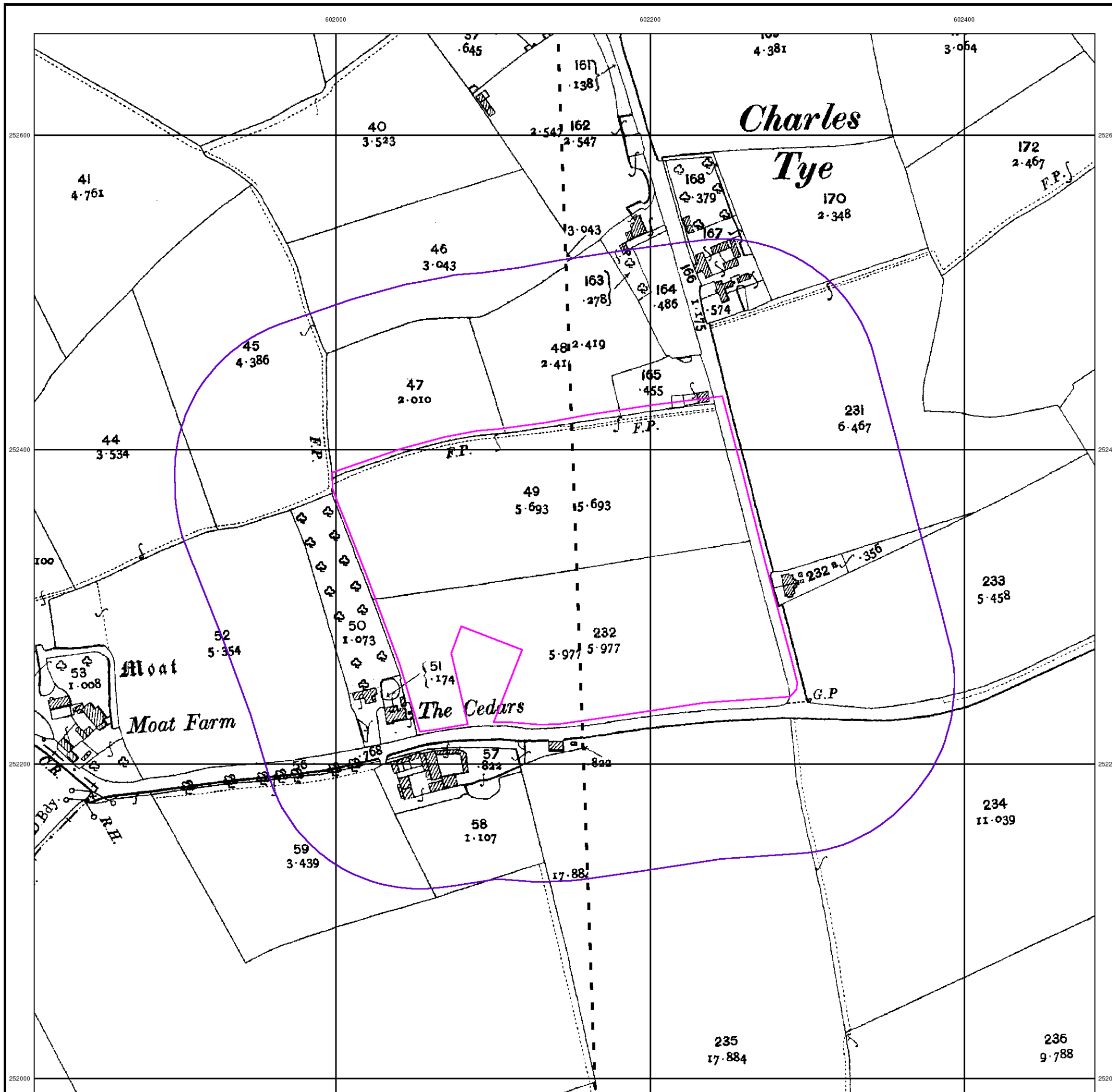


### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 100

### Site Details

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## Ordnance Survey Plan

Published 1974 - 1975

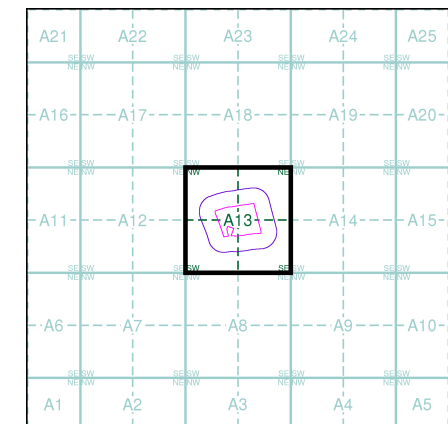
Source map scale - 1:2,500

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)

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TM0151 1975 1:2,500	TM0251 1974 1:2,500

### Historical Map - Segment A13

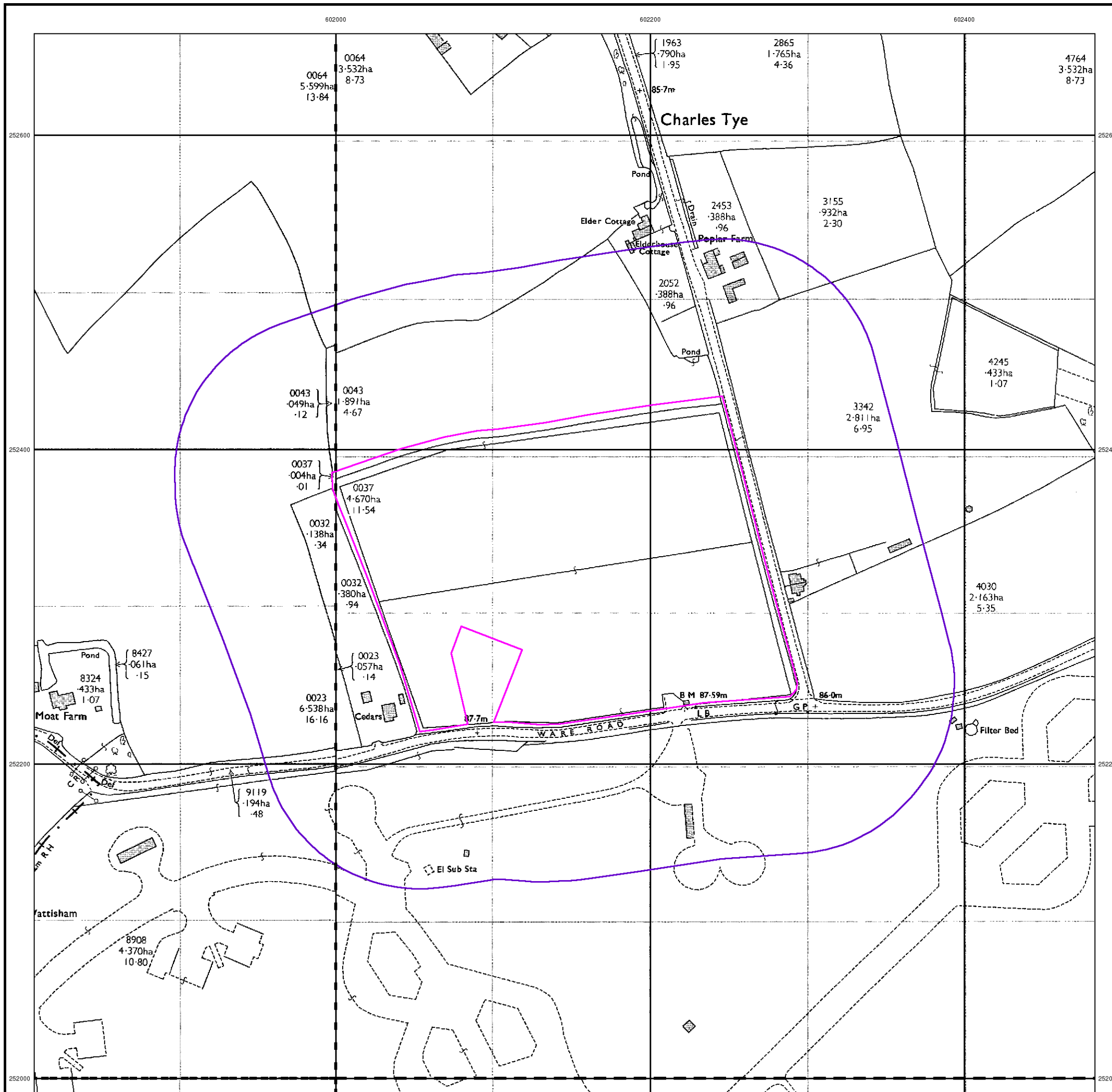


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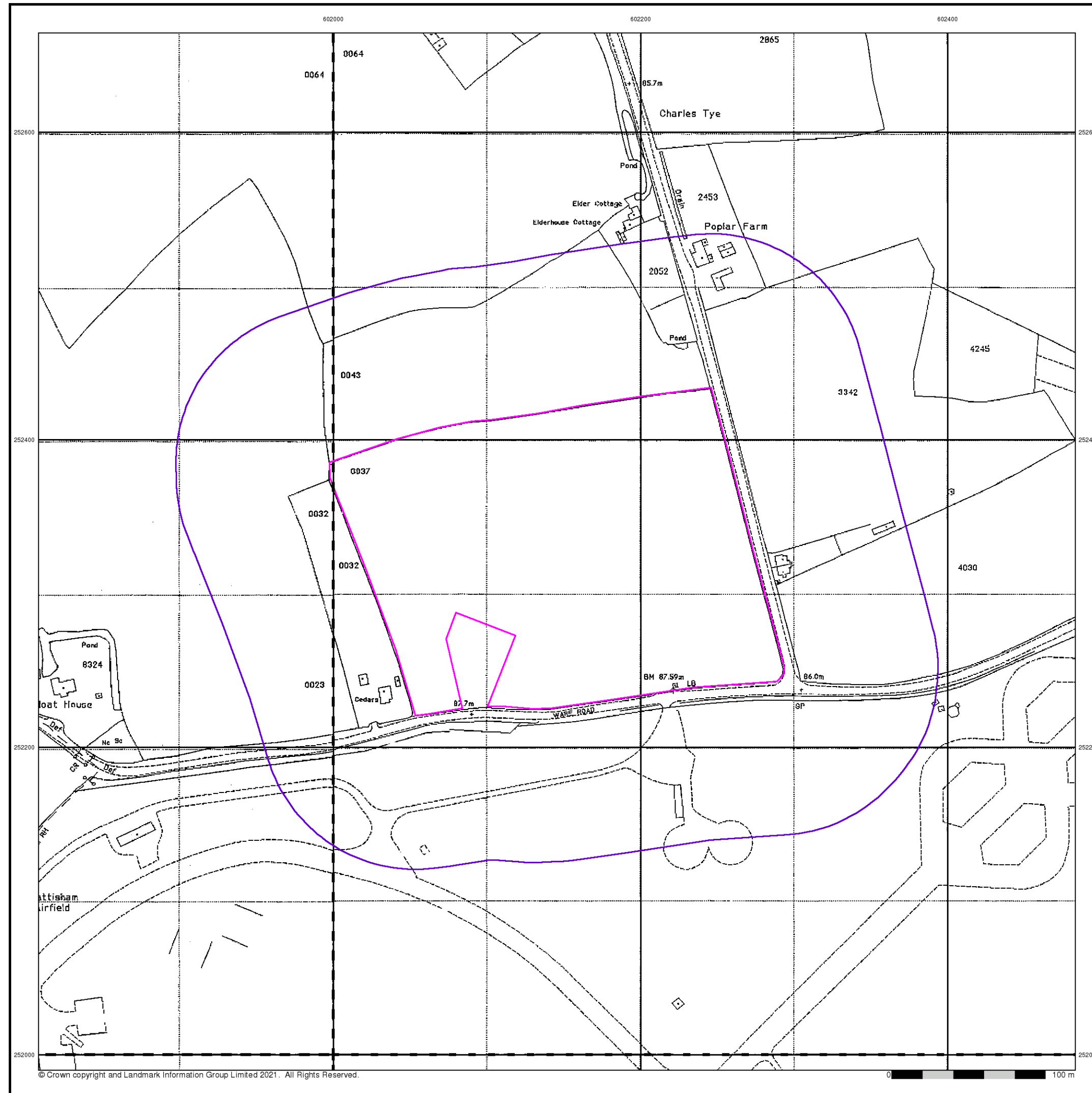
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 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 100

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## Large-Scale National Grid Data

Published 1995

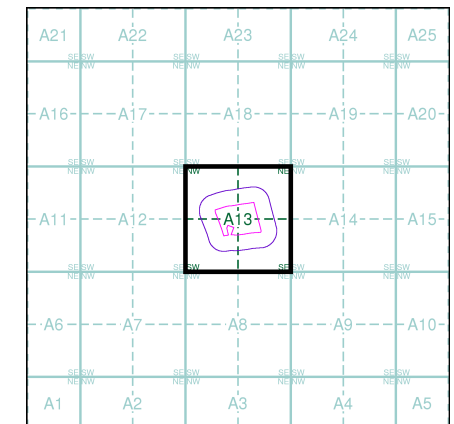
Source map scale - 1:2,500

'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)

TM0152 1995 1:2,500	TM0252 1995 1:2,500
TM0151 1995 1:2,500	TM0251 1995 1:2,500

### Historical Map - Segment A13



### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 100

### Site Details

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602000

602200

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252400

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252000



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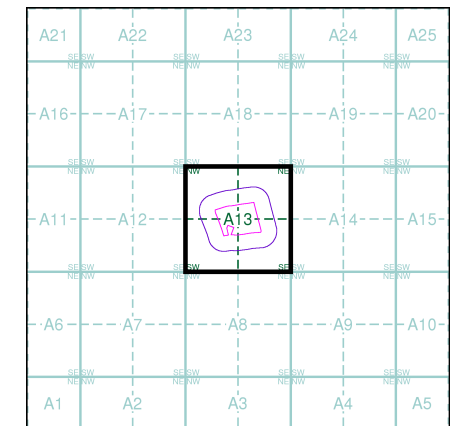
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## Historical Aerial Photography

**Published 1999**

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

### Historical Aerial Photography - Segment A13



### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 100

### Site Details

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# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	<b>-285</b> Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

## Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Coppice		Heath
	Rough Grassland		Marsh
	Reeds		Saltings
	Building		Glasshouse
	Sloping Masonry		Pylon
	Electricity Transmission Line		Pole
	Cutting		Embankment
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Burgh or District Council		
	Borough, Burgh or County Constituency Shown only when not coincident with other boundaries		
	Civil Parish Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Pol Sta Police Station
	Ch Church		PO Post Office
	CH Club House		PC Public Convenience
	F E Sta Fire Engine Station		PH Public House
	FB Foot Bridge		SB Signal Box
	Fn Fountain		Spr Spring
	GP Guide Post		TCB Telephone Call Box
	MP Mile Post		TCP Telephone Call Post
	MS Mile Stone		W Well

## 1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	MHW(S) Mean high water (springs)		MLW(S) Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

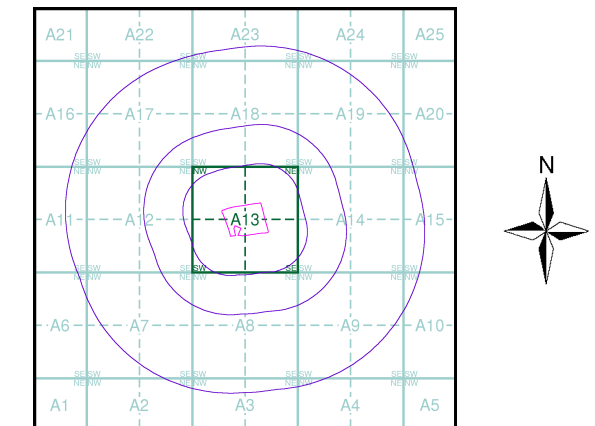
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## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Suffolk	1:10,560	1884	2
Suffolk	1:10,560	1905	3
Suffolk	1:10,560	1905	4
Ordnance Survey Plan	1:10,000	1958	5
Ordnance Survey Plan	1:10,000	1980	6
10K Raster Mapping	1:10,000	2000	7
10K Raster Mapping	1:10,000	2006	8
VectorMap Local	1:10,000	2021	9

## Historical Map - Slice A



## Order Details

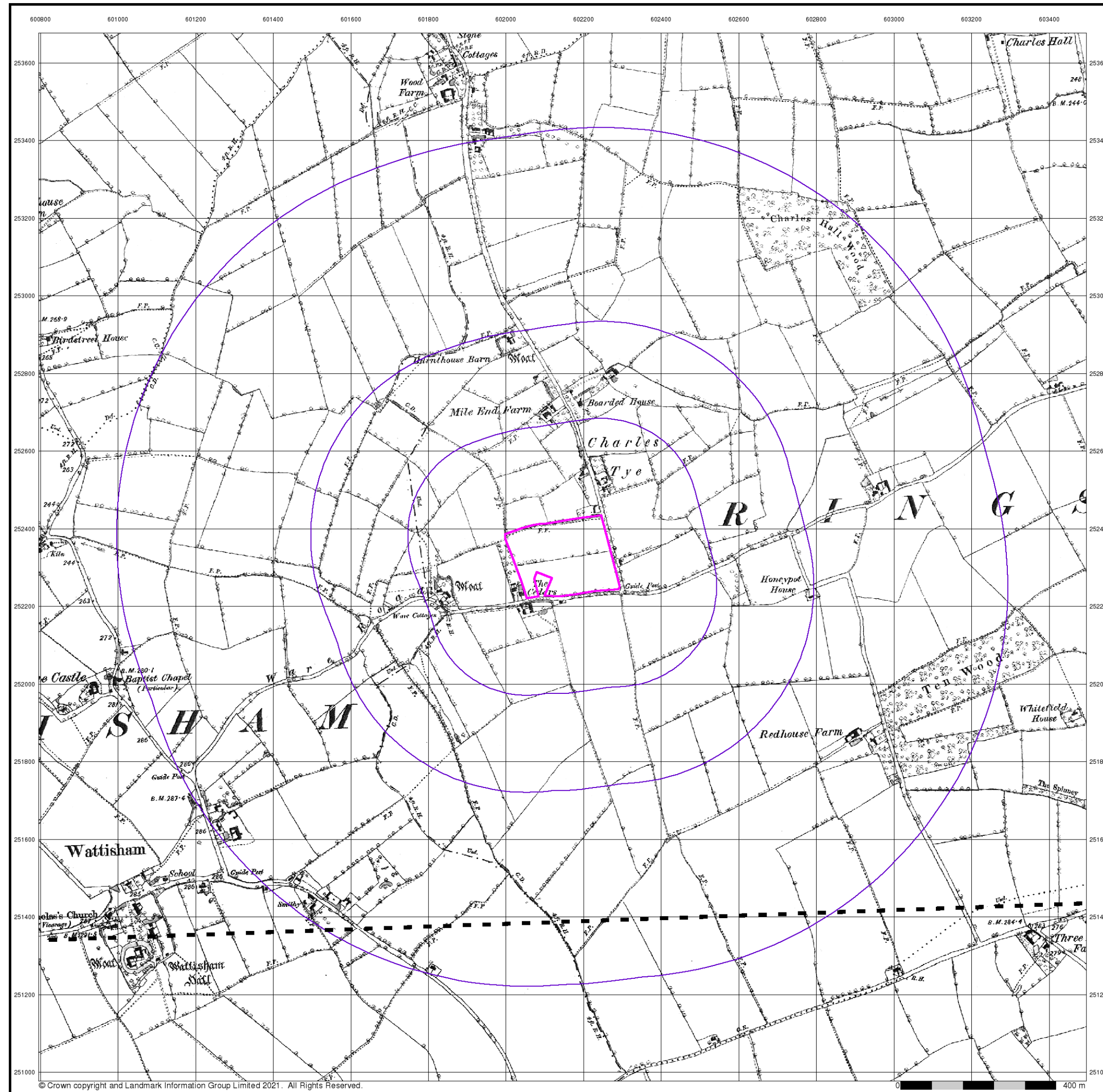
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 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

## Site Details

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Suffolk

Published 1884

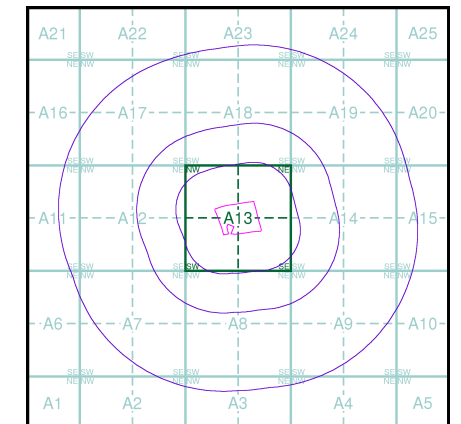
Source map scale - 1:10,560

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

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

065NW	1884	1:10,560
065SW	1884	1:10,560

## Historical Map - Slice A



## Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

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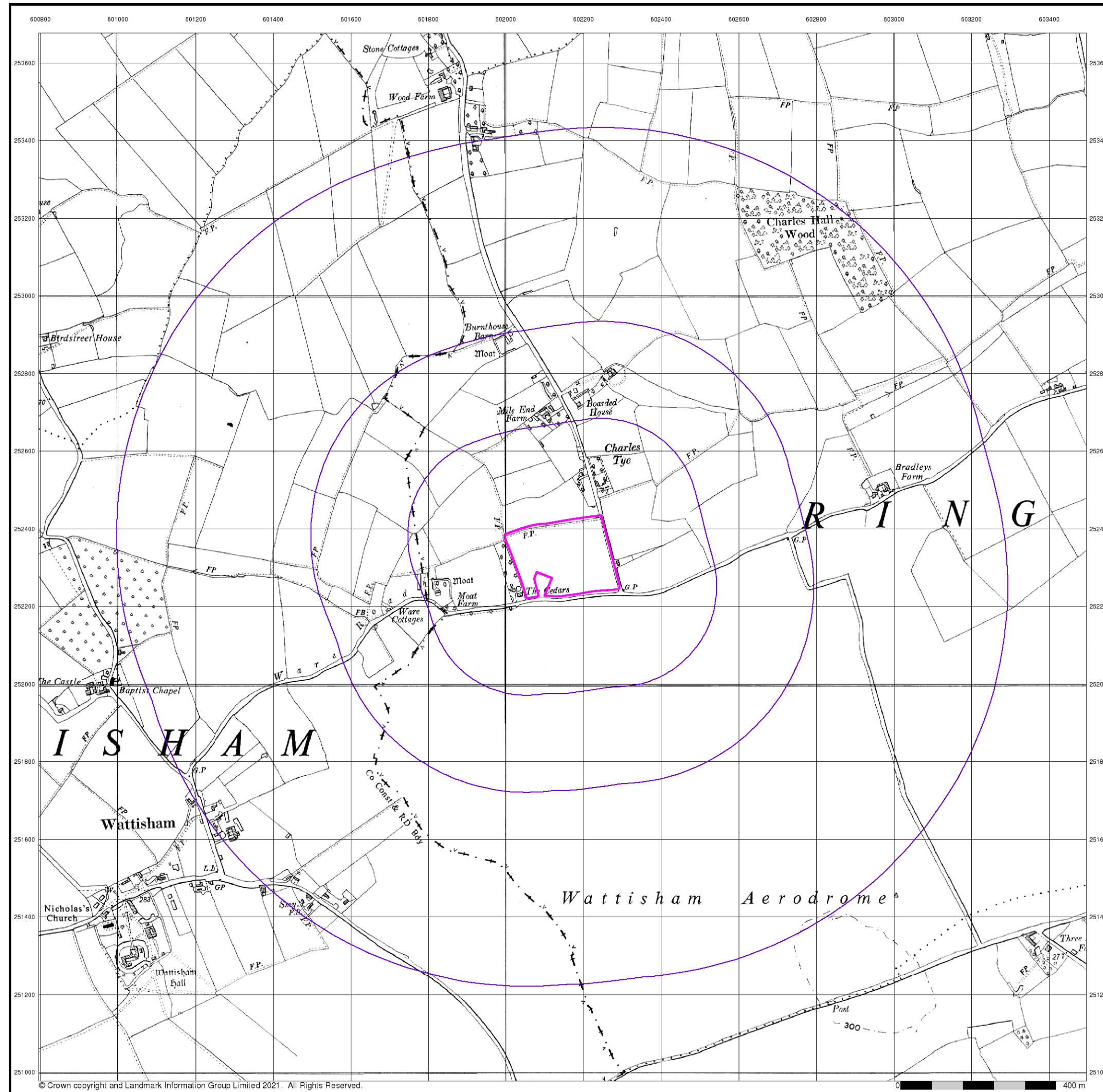
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk











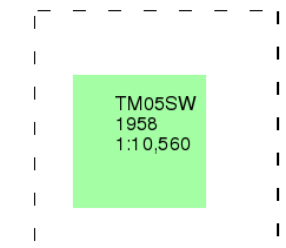
## Ordnance Survey Plan

Published 1958

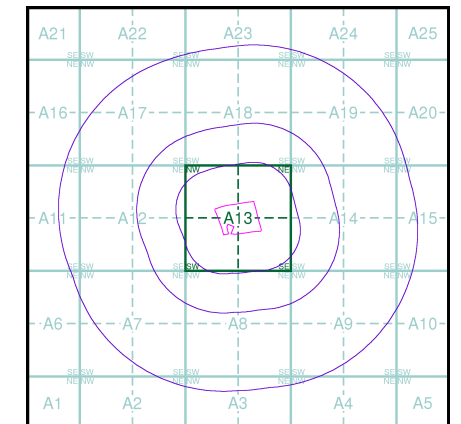
Source map scale - 1:10,000

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



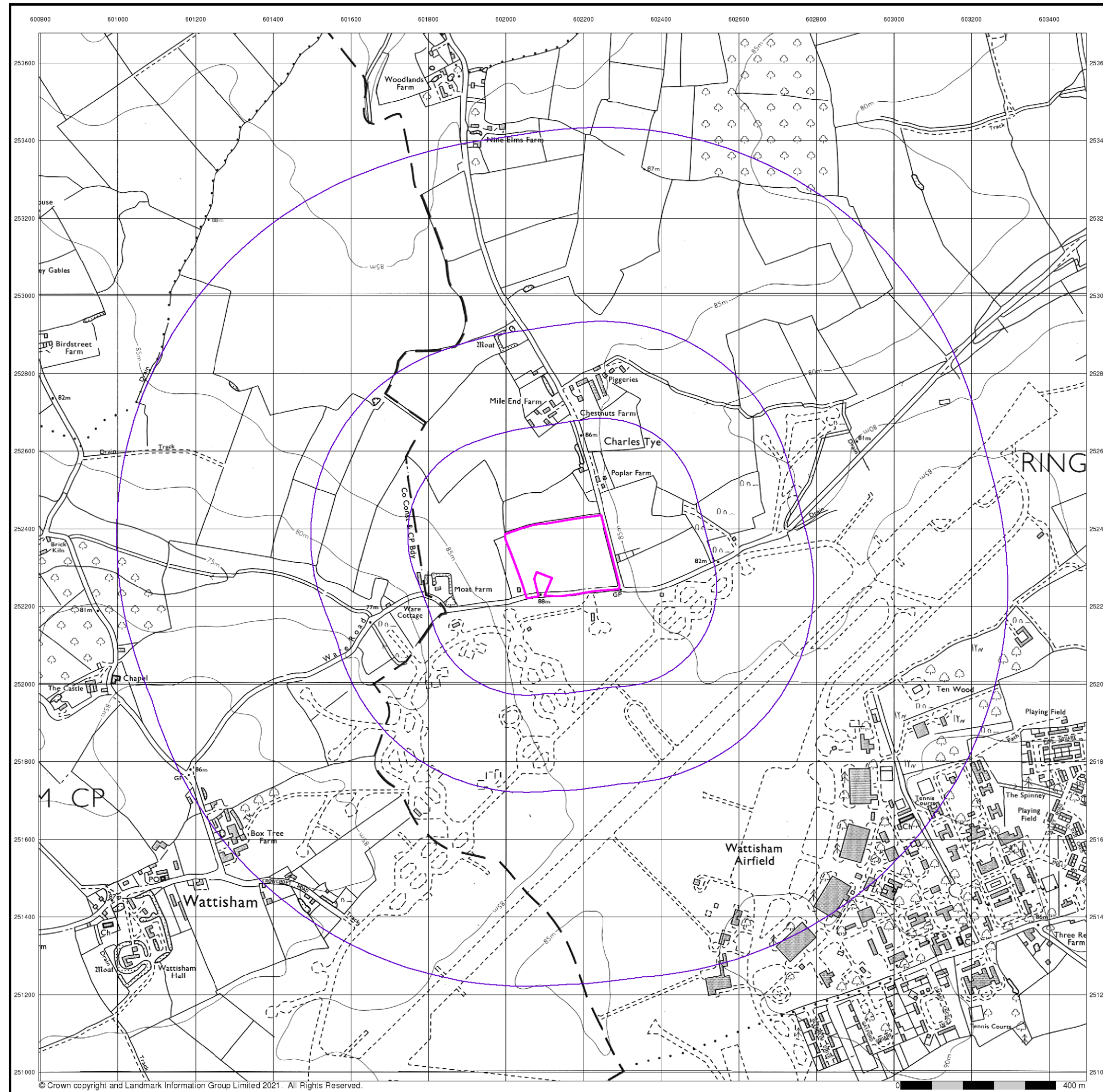
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### Site Details

Anglia Business Park, Wattisham Road, RINGSHALL, IP14 2HX





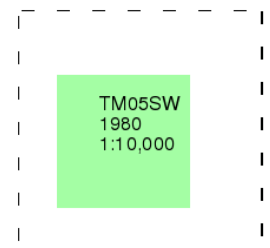
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Published 1980

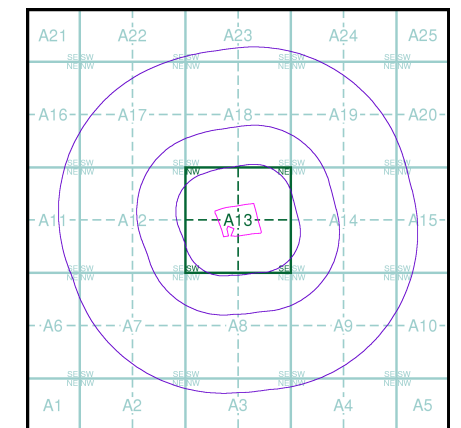
Source map scale - 1:10,000

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



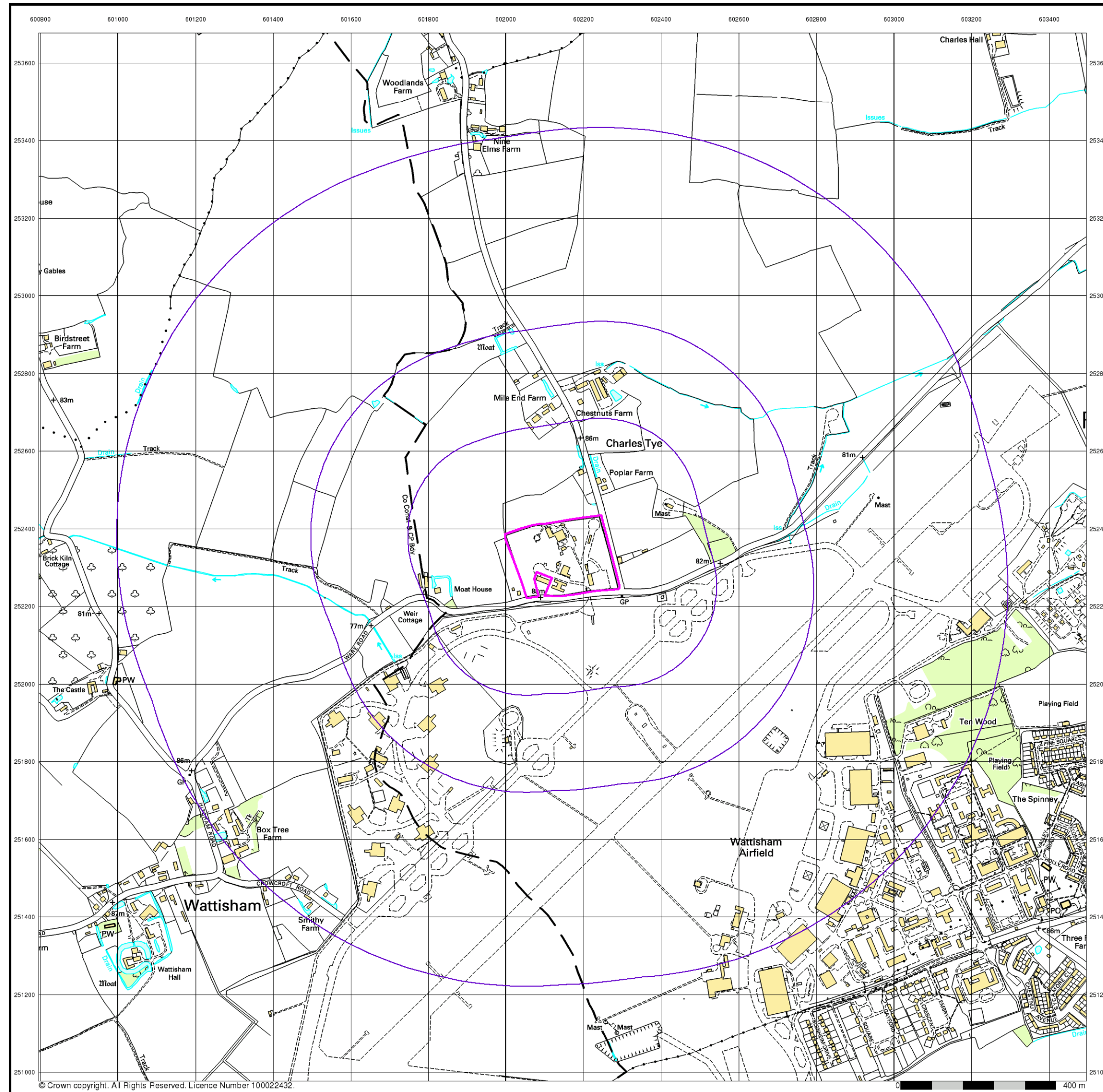
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 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
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### Site Details

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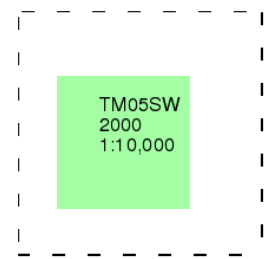
## 10k Raster Mapping

Published 2000

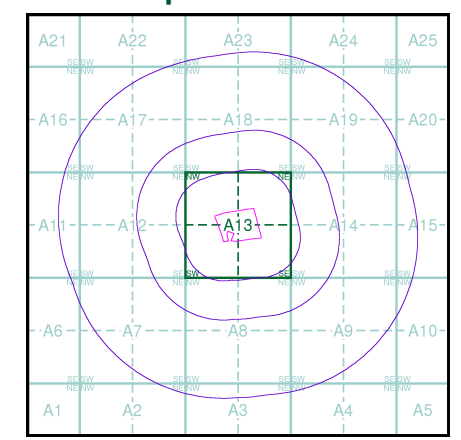
Source map scale - 1:10,000

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)



### Historical Map - Slice A



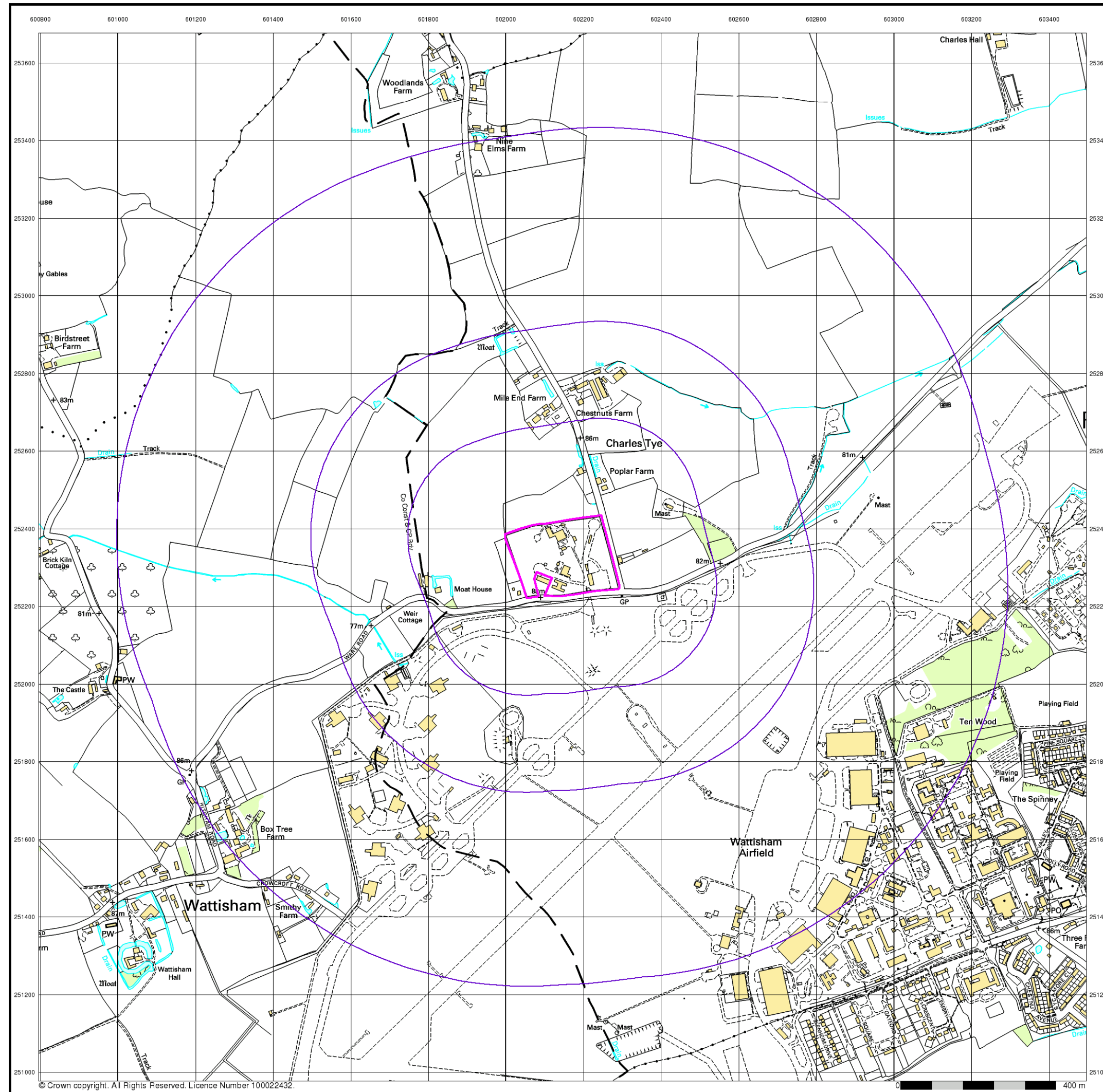
### Order Details

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 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
 Search Buffer (m): 1000

### Site Details

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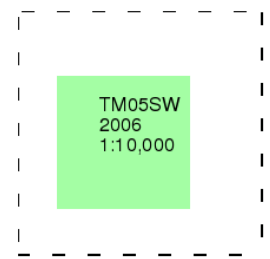
## 10k Raster Mapping

Published 2006

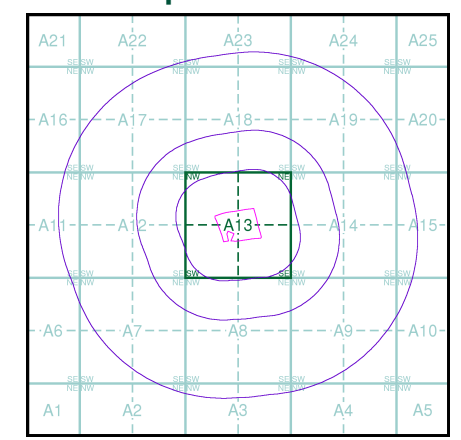
Source map scale - 1:10,000

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



### Order Details

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
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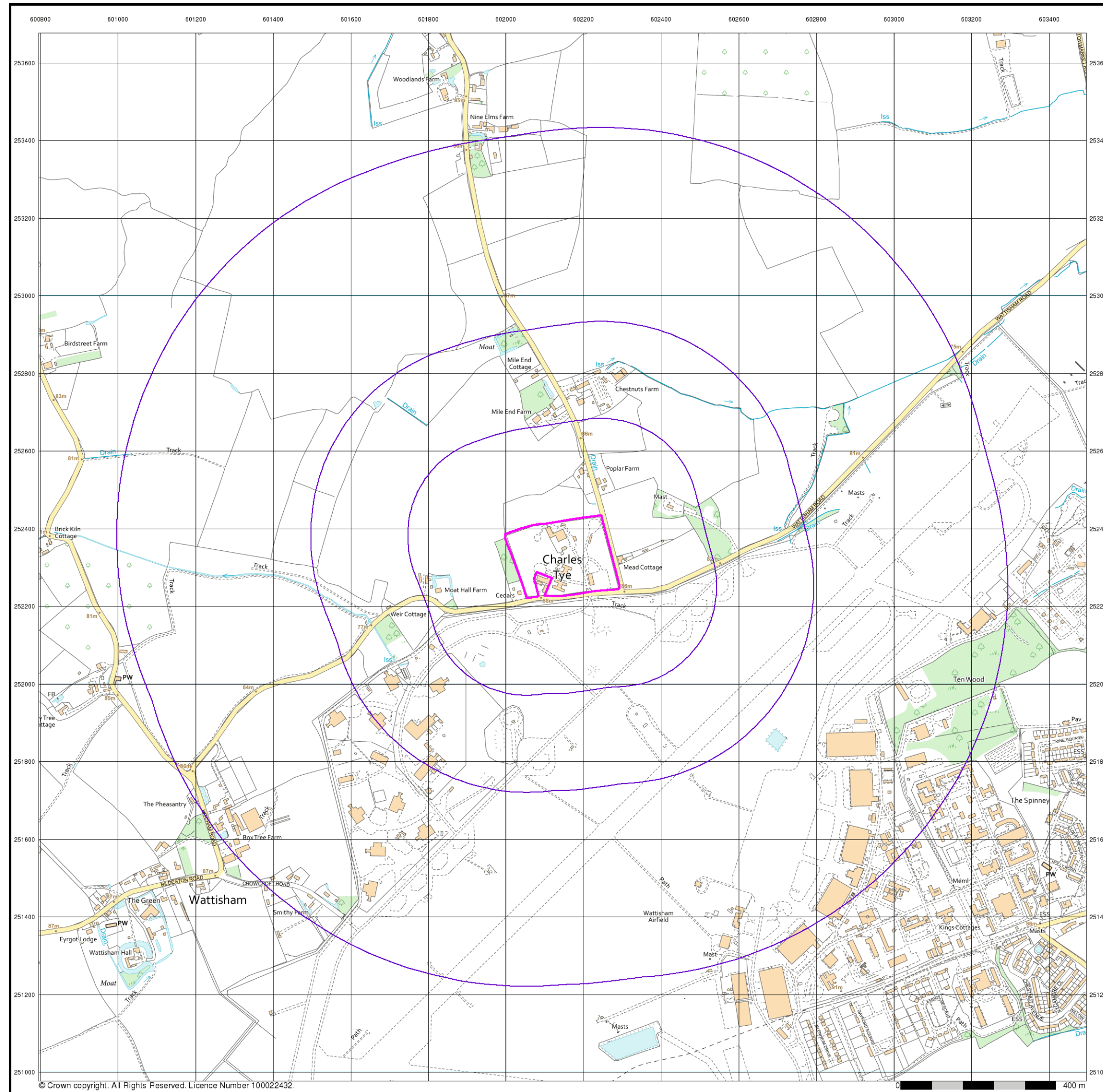
### Site Details

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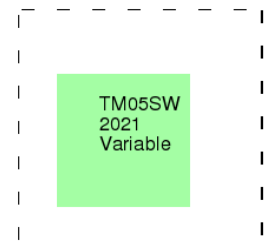




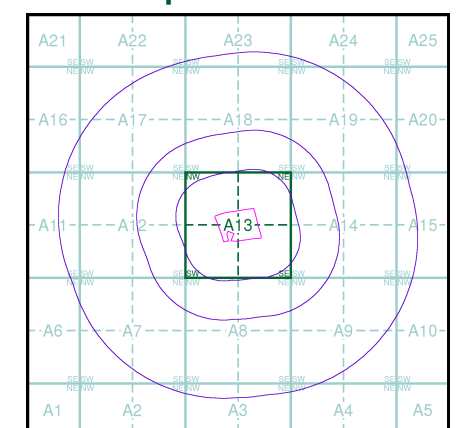
**VectorMap Local**  
**Published 2021**  
**Source map scale - 1:10,000**

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

**Map Name(s) and Date(s)**



**Historical Map - Slice A**



**Order Details**

Order Number: 286037726\_1\_1  
 Customer Ref: 5956\_DS (GF)  
 National Grid Reference: 602150, 252320  
 Slice: A  
 Site Area (Ha): 4.5  
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**Site Details**

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## Appendix 5 – Comparison of Consequences Against Probability

		Consequence (Severity of Linkage)			
		Severe (S)	Moderate (Mo)	Mild (Mi)	Negligible (N)
Probability (Likelihood of linkage from)	Highly Likely (HL)	Very High Risk (VH)	High Risk (HR)	Moderate Risk (MR)	Moderate/Low Risk (MR-LR)
	Likely (L)	High Risk (HR)	Moderate Risk (MR)	Moderate/Low Risk (MR-LR)	Low Risk (LR)
	Unlikely (U)	Moderate Risk (MR)	Moderate/Low Risk (MR-LR)	Low Risk (LR)	Negligible Risk (NR)
	Negligible (N)	Moderate/Low Risk (MR-LR)	Low Risk (LR)	Negligible Risk (NR)	Negligible Risk (NR)

This table is to provide reference information in conjunction with the GEL Conceptual Model attached within the Hazard Risk Assessment section of this report, Table 4 – Preliminary Conceptual Site Model.

**Very High Risk (VH)**

- There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is happening currently.
- Urgent investigation and remediation are likely to be required and advised.

**High Risk (HR)**

- Harm is likely to arise to a designated receptor from an identified hazard.
- Urgent investigation is required and remedial works are likely necessary in both the short to long term.

**Moderate Risk (MR)**

- It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild.
- Investigation is required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.

**Low Risk (LR)**

- It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. Limited investigation recommended.

**Negligible Risk (NR)**

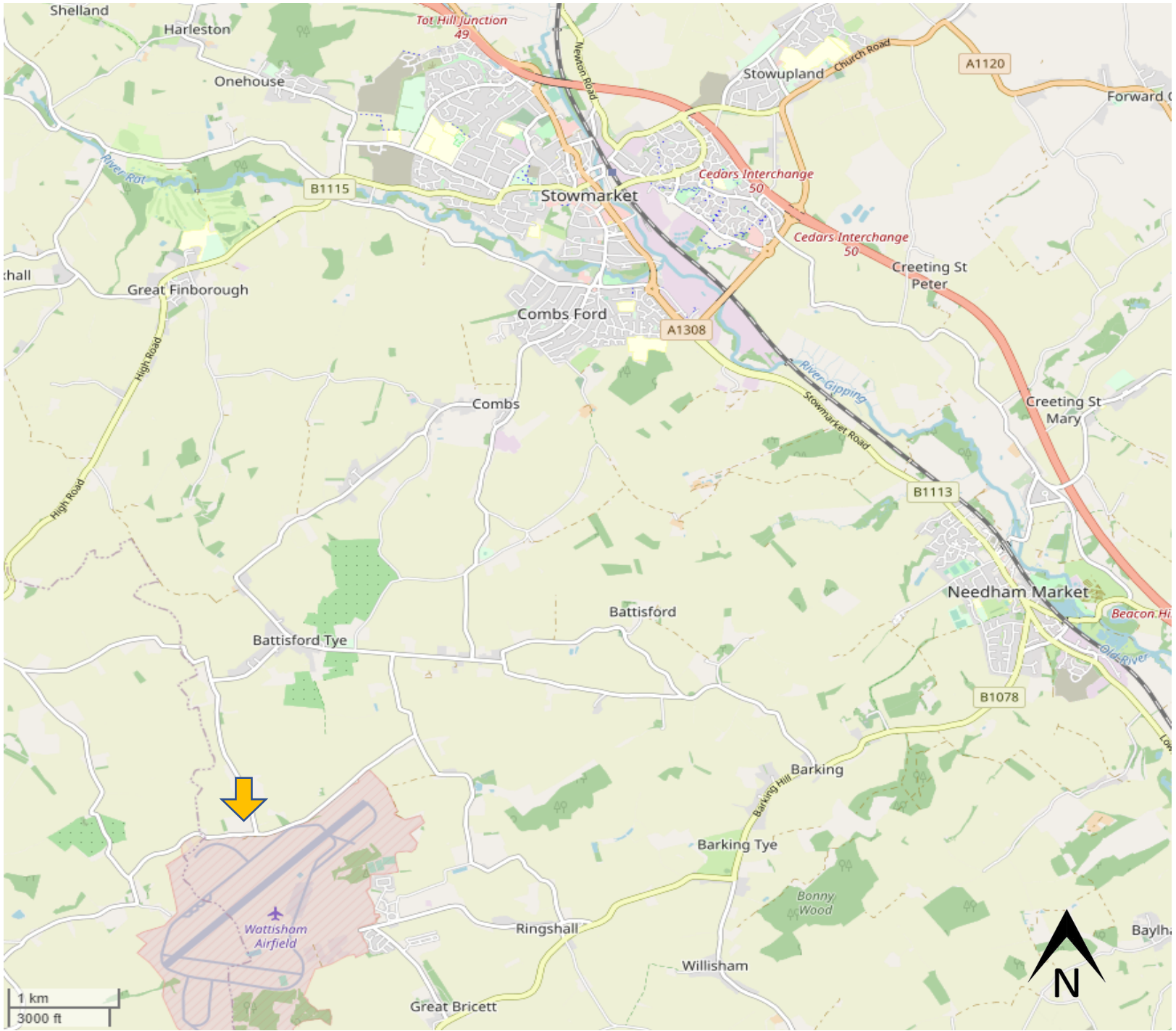
- There is a minimal possibility that harm could arise to a receptor. In the event of such harm being realised it is high likely to not be severe. Investigation not deemed necessary.

## Appendix 6 - Drawings

Site Location Plan – Drawing ref. 5956,DS/001/Rev0

Site Plan – Drawing ref. 5956,DS/002/Rev2

Proposed Development Plan – Drawing ref. 5442-0102 Rev P01



**LEGEND**  
 Site Location

**SOURCE**  
[© OpenStreetMap contributors](#)

**PROJECT**  
 Anglia Business Park, Wattisham Road, Ringshall, Suffolk, IP14 2HX

**TITLE**  
 Site Location Plan

**DRAWING NUMBER**  
**5956,DS/001/Rev0**

**SCALE**                      **DATE**  
 As marked                      14/10/2021

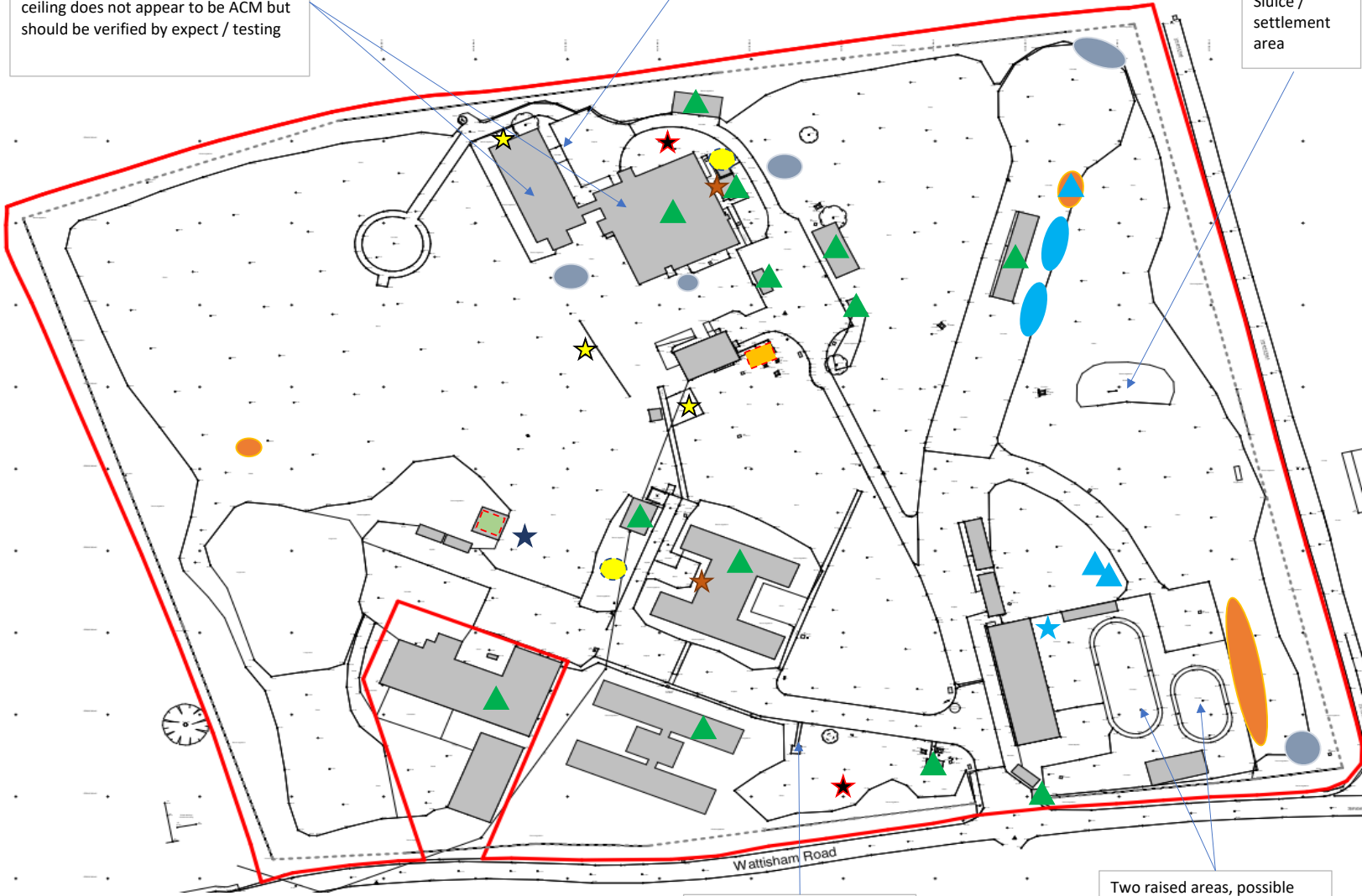
**DRAWN BY**                      **CHECKED BY**  
 GF                                      TP



Structure unable to be entered due to unsafe condition. Suspended floor in poor condition. Insulation hangin from ceiling does not appear to be ACM but should be verified by expect / testing

Stockpiles of corrugated PACM, oil drum, 500ltrs in IBC marked as waste oil

Sluice / settlement area



**LEGEND**

- ★ Plant Room
- ★ Patch of burning
- ★ Switchroom / substation / electrical
- ▭ Above ground metal bund with PACM sink within
- ▲ PACM at surface
- ▲ Structure with PACM roof / guttering / pipework
- Bunded oil tank
- ★ Recently burnt ?caravan? being removed at time of walkover
- Disturbed ground with brick and concrete gravel at surface
- Dumped material (no visible PACM)
- Dumped / Stockpiled material with PACM
- ★ Generator
- ▭ Below ground watertank with PACM sink within

**SOURCE**

Client supplied background image

**PROJECT**

Anglia Business Park, Wattisham Road, Ringshall, Suffolk, IP14 2HX

**TITLE**

Site Plan

**DRAWING NUMBER**

5956\_DS/002/Rev0

**SCALE**

NTS

**DATE**

14/10/2021

**DRAWN BY**

GF

**CHECKED BY**

TP

Pad of former structure and underground drain / chamber

Two raised areas, possible Made Ground or thickness of concrete. General area has plant and material storage





Building Schedule:

Yellow	Units 1 - 15	700sqft	x 15
Red	Unit 16	3,200sqft	x 1
	Unit 17	4,800sqft	x 1
Purple	Units 18 - 20	1,000sqft	x 3
Blue	Units 21 - 28	2,100sqft	x 8
Orange	Units 29 - 44	2,700sqft	x 16

Total : 81,500sqft

Parking Schedule:

Grey	Parking Bays	x 783
Green with EV	Electric Vehicle Bays	x 48
Grey with wheelchair	Disabled Parking Bays	x 21

Key:

- Proposed Tree
- Existing Tree



Client

Anglia Business Park

Project

Commercial Development, Anglia Business Park, Wattisham Road, Ringshall

Title

Site Plan as Proposed

Project N° Drawing N° Revision

**5442 - 0102** **P01**

Scale - unless otherwise stated Status Issued For

1 : 500 @ A1 PRELIMINARY

BS 1192 Ref.

PC-Designer-0102

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# Appendix 7 – Selected Site Photographs

**Photograph 1**



**Photograph 3**



**Photograph 2**



**Photograph 4**



**DESCRIPTION**

**Photograph 1**

General view from site entrance

**Photograph 2**

Chamber / drain towards south of the site

**Photograph 3**

Structures towards south west of the site - collapsed with PACM guttering, roofs and pipes

**Photograph 4**

Area of burning towards south west of site

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**Photograph 5**



**Photograph 6**



**DESCRIPTION**

**Photograph 5**

Offsite engineering firm

**Photograph 6**

Bunded Tank towards centre of site

**Photograph 7**

Plant room towards centre of site

**Photograph 7**



**Photograph 8**



**Photograph 8**

Substation towards centre of site

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**Photograph 9**



**Photograph 10**



**Photograph 11**



**Photograph 12**



**DESCRIPTION**

**Photograph 9**

Recently burnt caravan, smouldering and being removed at time of walkover

**Photograph 10**

Metal bund, centre west of the site with a PACM cistern within

**Photograph 11**

Potentially disturbed ground towards west of site

**Photograph 12**

General view from north western corner of the site

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**Photograph 13**



**Photograph 14**



**DESCRIPTION**

**Photograph 13**  
Stockpiled cement bound PACM centre north of the site

**Photograph 14**  
500ltrs of "Waste Oil" and oil drums centre north of the site

**Photograph 15**  
PACM in roofing materials, centre north of site

**Photograph 15**



**Photograph 16**



**Photograph 16**  
Bunder Oil Tank centre north of the site

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18/10/2021

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**Photograph 17**



**Photograph 18**



**DESCRIPTION**

**Photograph 17**

Collapsed structure centre north of the site with PACM materials

**Photograph 18**

Electrical switches or similar with PACM lagging centre north of the site

**Photograph 19**

Within structure centre north of the site

**Photograph 19**



**Photograph 20**



**Photograph 20**

Stockpiled / dumped material in north eastern corner of site

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**Photograph 21**



**Photograph 22**



**Photograph 23**



**Photograph 24**



**DESCRIPTION**

**Photograph 21**

Structure towards north east of site with PACM breaking away from structure

**Photograph 22**

PACM within stockpiled material towards north east of site

**Photograph 23**

PACM within stockpiled material towards north east of site

**Photograph 24**

Sluice or similar

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**Photograph 25**



**Photograph 26**



**DESCRIPTION**

**Photograph 25**

Plant within south eastern part of site

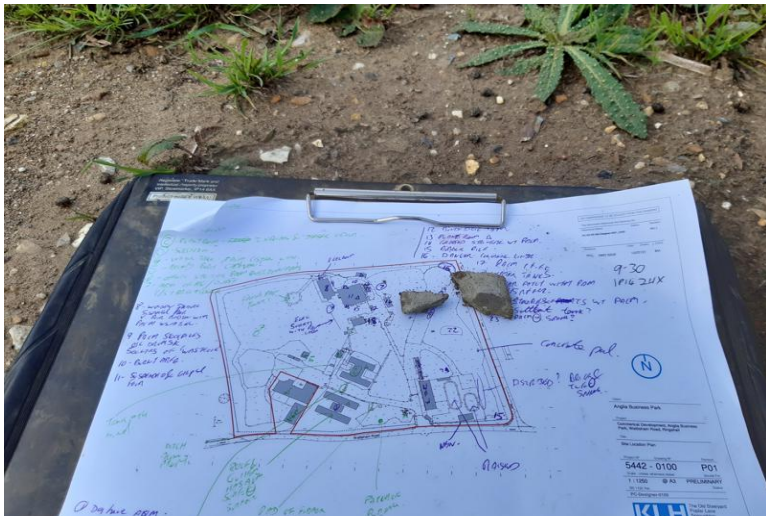
**Photograph 26**

PACM at surface towards south east of site

**Photograph 27**

PACM at surface towards south east of site

**Photograph 27**



**Photograph 28**



**Photograph 28**

Diesel generator south east of site

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**PROJECT NUMBER**

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**TITLE**

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**PAGE NO.**

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