



**Roxhill Developments Limited**

# **M1 Junction 15 West**

# **Main Development Site**

Preliminary sources study report

Project no. 313418-01

**DECEMBER 2016**





## RSK GENERAL NOTES

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**Project No.:** 313418-01(00)

**Title:** Preliminary sources study report:  
M1 Junction 15 West – Main Development Site

**Client:** Roxhill Developments Limited

**Date:** 7<sup>th</sup> December 2016

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# 1 INTRODUCTION

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## 1.1 Introduction

RSK Environment Limited (RSK) has been commissioned by Roxhill Developments Limited (the Client) to carry out a Preliminary Sources Study Reports (PSSR) for the site of the proposed M1 Junction 15 West, Northampton Strategic Rail Freight Interchange development.

This report is subject to the RSK service constraints given in Appendix A.

## 1.2 Terms of reference

This report comprises a desk study in general accordance with the requirements of:

- BS5930:1999+A2:2010 'Code of practice for site investigations' (Desk Study);
- Environment Agency CLR 11 2004a 'Model Procedures for the Management of Land Contamination' (Contaminated Land Risk Assessment);
- BS EN 1997-2:2007. Eurocode 7 — Geotechnical design — Part 2: Ground investigation and testing; and
- Highways Agency HD22/08, 'Managing Geotechnical Risk' (Preliminary Sources Study Report).

## 1.3 Proposed development

It is understood that the site is being considered for commercial development. The development includes seven distribution warehouses with associated loading bays, hard standing, access highways and a new rail freight terminal and associated sidings along the western edge of the site. The development also includes seven drainage ponds located at either end of the distribution warehouses and large landscape screening bunds along with highways network improvements where the site links to the A508 and Junction 15 of the M1 together with provision of a bypass around the village of Roade further west. In order to undertake the development a large cut and fill exercise will be undertaken at the site.

## 1.4 Objective

The aim of this report is to evaluate the Client's liabilities and risks in order to support the design of the scheme and subsequent planning application process.

The subject of this report is the proposed main development site including the construction of seven distribution warehouses and associated hard standing, access routes and drainage, and a new rail freight terminal, with associated railway sidings. In

accordance with the Client's specific objectives, requirements and brief; the objectives of this report are primarily:

- To provide a record of readily available information pertaining the development area, including its development history;
- To review and consolidate any previously published information pertaining to the ground conditions at the development area;
- To form the initial basis for the design and scoping of ground investigations required to inform detailed design of the proposed scheme; and
- To form the baseline for assessment of the geology, soils and groundwater elements for an Environmental Statement Chapter upon the geology, soils and ground conditions which is required to be submitted to support the proposed scheme.

## 1.5 Scope

The project has been carried out to an agreed brief as set out in RSK's proposal (ref. Northampton, Junction 15 M1 Strategic Rail Freight Interchange Including Road Bypass Desk Based Assessments to Support EIA, dated 23<sup>rd</sup> June 2016).

The report presents the following:

- A study of local geology and ground conditions;
- The identification of associated potential geological and geotechnical hazards and risks;
- A study of land-use, development history and environmental data pertaining to the site and the surrounding area based primarily on an environmental database report obtained;
- The identification of aquifer vulnerability rating beneath the site and local water abstraction licenses from Environment Agency records and the environmental database report;
- A site reconnaissance inspection including photographic survey;
- The identification of potential sources of contamination and targets at risk from possible contamination;
- A preliminary Conceptual Site Model (CSM) outlining potentially complete pollutant linkages for the site; and
- A preliminary Geotechnical Risk Register.

## 1.6 Background information

The following scheme design master plan drawing has been provided to RSK by the client:

- Site Plan, Project No: 4054 Drawing No: R001 Rev: P9 prepared by pHp Architects, dated May 2016 (received from pHp June 2016).

This has been extracted and used within Figure 2 to show the anticipated development layout for the Main Development Site.

The majority of the site has been previously investigated by RSK and reported under the following covers:

- 'M1 Junction 15 West Preliminary sources study report' Ref. 312598-01(00), dated 17<sup>th</sup> October 2014,
- 'M1 Junction 15 West Factual Ground Investigation Report' Ref. 312598-02(00), dated 10<sup>th</sup> November 2014, and
- 'M1 Junction 15 West Preliminary ground investigation interpretive report' Ref. 312598-03(00), dated 10<sup>th</sup> November 2014.

The proposed scheme has since been expanded to include additional areas to both the west and south of the site, together with a rearrangement of the proposed development. Information obtained as part of the above reports has been reviewed and used to inform the opinions and recommendations included within this preliminary sources study report update.

## 1.7 Limitations

The comments given in this report and the opinions expressed are based on the available data and observations made during the walkover studies on accessible parts of the site; however, there may be conditions pertaining to the site that have not been disclosed by the desk-based study, and therefore could not be taken into account.



## 2 SITE DETAILS

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### 2.1 Site location

The site covers approximately 172 hectares, the centre of which is defined by the following National Grid co-ordinates: 474910, 254660. The site is bound by the M1 motorway which runs roughly north-west to south-east along the north-eastern boundary of the site with Junction 15 located on the south eastern extent of the site boundary with the A508 running south west from Junction 15 along the south eastern boundary of the site. A brook with fields beyond denotes the southern extent of the development area, with an existing area of fields to the south to be retained as part of the overall scheme. Collingtree Lane marks the northern boundary of the site, while the existing railway line marks the western boundary of the site.

The village of Blisworth is situated approximately 1km to the west of the site. The village of Milton Malsor is located approximately 0.5km north west of the site and the village of Collingtree is located some 100m east beyond the M1 Motorway.

### 2.2 Local topography, geography and geomorphology

The site sits within a formerly glaciated area. The land is gently undulating with a general rise from the southern extent to the north-eastern corner

The site generally slopes down from west to east, with the peak of the hill on which the site sits being located near to the centre of the western boundary of the site. The top of the hill forms a ridge which extends along the majority of the western boundary of the site. At its highest, the site elevation is approximately 102m AOD, located near to the centre of the western boundary, down to its lowest elevation of approximately 80m AOD along the sites eastern boundary, within a shallow valley associated with the unnamed brook flowing north east, along the sites south eastern boundary.

The M1 motorway is located in a shallow cutting along the eastern site boundary.

The railway is located within a cutting.

The geological sequence of the majority of the site is understood to comprise Oadby Member Glacial Till (Superficial) anticipated to be primarily cohesive overlying Glaciofluvial Deposits (Superficial) anticipated to be primarily granular in nature all overlying the Whitby Mudstone Formation (Solid deposits) likely to comprise weathered laminated fossiliferous mudstone laminated with thin siltstone or silty mudstone beds and rare fine-grained calcareous sandstone beds.

## 2.3 Site description

A site walkover was originally undertaken on the 19<sup>th</sup> December 2013, and was updated for the purpose of this revised report on the 22<sup>nd</sup> of July 2016, with the additional areas viewed from public rights of way. Photographs and associated descriptions are included in Appendix I together with a walkover survey from the original report updated to include photographs and review of the extended site.

The site is predominately utilised for arable farming and comprises fields with hedgerow field boundaries including a variety of immature to mature sized trees of various species. Two areas of mixed woodland are also located within the site. The woodlands are located near to the centre of the site, adjacent to the main access track through the site. The general elevation of the surrounding land undulates up and down, with the site elevations generally sloping down from northwest to south and south east, rising slightly beyond the unnamed brook in the south of the site.

The main access to the site is via a rough compacted gravel track leading north from the south western quarter of the site off of the A508, towards the sites centre. In the centre of the site, just off the track is a spoil heap of rubble consisting of brick tarmac and stone (presumed to be used for improving farm tracks). An additional track leading east from the main access route terminates at a bridge over the M1 with public rights of way crossing the site in various locations with one heading west to cross the railway via a footbridge located roughly centrally along the western boundary of the site.

There are two buildings located on the site. To the south west of the centre of the site is a gun club with shooting range and clay pigeon shooting. Derelict farm buildings including two derelict outhouses are also located in the east of the site. The derelict farm buildings are either of stone construction, which is in poor condition, or corrugated sheet metal cladding.

An overhead 1.1kv power supply enters the north west of the site, travelling south east and south towards the derelict farm buildings on low level wooden poles. The derelict farm buildings are generally empty but appear to be utilised as a store for stone as well as containing two former fuel tanks, now appearing to be partially filled with water.

The site also contains two telecom masts , one is located in the south eastern corner of the site accessed via concrete track running from the A508, while the second mast is located in the north east close to the boundary and footbridge to Collingtree beyond the M1.

In the south of the site is a brook which flows from the west, east along the site southern boundary crossing the A508 then north-east towards Northampton. Beyond the unnamed brook in the south of the site are additional fields which extend to an access track which marks the southern extent of the site.

It was also noted from ecological plans supplied to RSK in 2014, that the site had two badger sets which are located in the east of the site. One was located on the north east corner in a coniferous woodland and the second was within a boundary hedge. The ecological plans supplied to RSK also indicate that there is a pond within the grounds of



the gun club which was suggested to potentially have great crested newts within it, as well as common lizard habitats and bat roosts. These will need to be updated for 2016 and the revised scheme boundary. RSK was prohibited from entering the property associated with the gun club on health and safety grounds and as such these features were not observed during the walkover.

Supplied plans also indicated existing underground gas and water district mains in the east corner of the site though no markers were observed.

## 3 SOURCES OF INFORMATION

### 3.1 Research

The desk-based research undertaken to support this report comprised a review of published information available within the public domain and information provided by or obtained for the Client (as detailed in Table 1: Sources of information reviewed below). In addition, a visual site inspection was undertaken by RSK on 7<sup>th</sup> August 2014 and updated on the 22<sup>nd</sup> July 2016.

**Table 1: Sources of information reviewed**

Information	Status
Landmark Envirocheck Report (2014 & update 2016)	✓
Landmark Envirocheck historical OS maps	✓
Groundwater Vulnerability Map (Landmark digital reproduction)	✓
1:10, 000 Geology Maps (Landmark digital reproduction)	✓
BGS Geological Map 1:50,000 series (sheet 202, Towcester, Solid and Drift)	✓
BGS borehole database	✓
Existing services information (Provided by Client)	✓
Environment Agency (online resource)	✓
Local Authority Consultation (Contaminated Land & Building Control) (2014 & 2016)	✓
Website search	✓
Northamptonshire County Council Website (Minerals & Waste Development Frameworks)	✓
DEFRA Enquiry (Animal Burial) (2014 & 2016)	✓
DETR (PBA) Natural Cavities Database Search	NA
Coal Authority Interactive Viewer and Gazetteer (online resource)	✓
Coal Authority Mining Report	NA
Zetica UXB Risk Maps (online)	✓
Aerial photograph (online satellite image & 1947)	✓

Key: NA = Not applicable, AR = Awaiting response, ✓ = Information received

### 3.2 Responses to enquiries

Copies of the correspondence sent and received from the various enquiries and print outs of data obtained from the various data sources other than the Landmark Environmental Database and available BGS borehole data are included within Appendices F, G, H & J respectively.

It should be noted that Appendix J contains information obtained as part of the original investigation (2014) and Appendix H includes updated recent responses received with respect to the current scheme proposals. Both appendices include copies of the original enquiries from RSK and responses received in return from the various consultancies. The available responses are briefly summarised below;

### **3.2.1 South Northamptonshire Council**

The local authority for South Northamptonshire were contacted and requested to consult their records to identify any potential for natural geohazards and contamination hazards at the Development Site. In particular they were asked to confirm whether any part of the site is, or has been, classified as contaminated land; or has been subject to remedial action.

The full response issued by the local authority is presented within Appendix H, with historical response for the former scheme included within Appendix J. The recent consultation response is summarised below.

The response indicates that the site is not, and has not previously, been designated as contaminated land, or subject to any remedial action. No natural geohazards were identified.

The recent response identified that the sites lie within 500m of two landfills;

- The Simplex Works (Reference S/76/001, 2800/5418-EA Ref EAHLD02283) response indicates that no part of the Development Site is a registered landfill.
- The Olde Roade Quarry (Reference S2800/0004-EA Ref EAHLD35665) response indicates that no part of the Development Site is a registered landfill.

This 2014 response included in Appendix J notes that a landfill site is located at grid reference 475838, 259980 which accepted category A, B, C, D and F wastes. The landfill is noted to have stopped receiving waste in 1997 and was closed in 2001.

### **3.2.2 Environment Agency**

The Environment Agency were contacted and requested to consult their records to identify any potential for contamination hazards particularly with respect to controlled waters at the Development Site. In particular they were asked to confirm whether any part of the site is, or has been, classified as contaminated land; or has been subject to remedial action.

The full response issued by the Environment Agency is presented within Appendix H and the historical response to the original scheme from 2014 is included in Appendix J, and the key consultation findings are summarised below.

The response indicates that the Agency consider that the controlled waters at or beneath the site are of low environmental sensitivity with the site being considered to be

underlain by unproductive strata. The Agency confirms that they are not aware of any contamination issues relating to the site.

The Agency confirm that they have no records of landfills being present on the site. They do however confirm that Wooton Landfill lies adjacent to part of the infrastructure improvements to M1 Junction 15 but is some distance from the actual development site (approx Grid Reference SP7579455364). Courteenhall Grange Farm Pit a historic landfill is located approximately 180m to the north of the site. Blisworth Lodge Farm Landfill lies approximately 490m to the south west of the site.

### **3.2.3 Department of Environment, Food and Rural Affairs (DEFRA)**

Given the current use of the site as farmland, the Department of Environment, Food and Rural Affairs (DEFRA) were contacted in order to obtain records of any on-farm burial of fallen livestock.

The full response issued by DEFRA is presented as Appendix H and indicates that there are no records of on-farm burial having taken place at the site. It is therefore considered unlikely that the Development Site will have been impacted by detrimental gas or leachate production associated with the sub-surface decomposition of buried livestock; although the possibility of illegitimate burial cannot be discounted.

## **3.3 Additional site specific information**

### **3.3.1 Exploratory hole data obtained from the British Geological Survey (BGS)**

A search of available borehole records held by the BGS indicates that a number of records are available for boreholes previously advanced along the course of the M1. The relevant borehole logs have been included in Appendix G and are reproduced under the Open Government Licence. The relative positions of the individual exploratory holes are included on Figure 6.

The borehole records are all located along the north eastern boundaries of the site. The most northerly record within close proximity to the site indicates slightly gravelly sand to be present to 12.1m below ground level (bgl), described as Milton Sand, below which was bluish grey silty clay, described as Lias. A borehole further south indicates predominantly clay, interbedded with sand and gravels to its base at 7.6m bgl. The third borehole, located mid way along the north eastern site boundary, near the base of the sloping topography, identified sand from ground level to the base at 7.6m bgl. The final historic borehole, located at the eastern end of the site, adjacent to the existing Junction 15, indicates blue chalky clay (Boulder Clay), to a depth of 4.6m bgl with blue clay (Lias) to a depth of 7.6m bgl.

The exploratory holes undertaken as part of the previous RSK site investigation Ref. 312598 revealed that the site is underlain by a variable thickness of agricultural topsoil and subsoil over drift deposits including, the Oadby Member (Glacial Till) over Glaciofluvial deposits encountered at depth. Both the superficial deposits encountered contained bands of cohesive and granular strata.

Underlying these drift deposits the strata of the Whitby Mudstone Formation was primarily clay with weathered siltstone and mudstone bands.

The previous investigation also indicated that localised perched water tables exist within discrete pockets of sands and gravels within the Oadby Member (Glacial Till) at varying levels. The variable nature of the granular and cohesive strata present throughout the Oadby Member deposits results in pockets of water bearing granular strata which are not thought to be linked or consistent across the site.

Deeper instruments placed within or across the granular Glaciofluvial deposits at depth seem to suggest a continuous water table is present within these strata at depths of around 79 to 80m AOD.

### **3.3.2 Environment Agency**

The Environment Agency's interactive maps on their "What's in Your Back Yard" web site were consulted to confirm information obtained within the Landmark Environmental Database search. In summary the following can be confirmed;

- The site is not within a groundwater source protection zone.
- The site is not within a drinking water protected area.
- The geology beneath the site is designated as unproductive strata, with the exception of the Glaciofluvial Deposits located in the north east of the site, which are designated as a Secondary A Aquifer.
- There are no recorded pollution incidents present at the site.
- There are no recorded historic or authorised landfills present beneath the site.
- The site is not within a flood risk area.

### **3.3.3 Coal Authority**

The Coal Authority interactive web site and Coal Mining and Brine Subsidence Claims gazetteer was consulted and the site does not fall within a Coal Mining Reporting Area.

The geology beneath the site also confirms that the site will not be subject to coal mining. Therefore, no specific request for information was made to the Coal Authority.

## 4 HISTORY OF SITE AND SURROUNDING AREA

### 4.1 Former and current site and surrounding area uses

The following former and current land uses of the site are taken from the Ordnance Survey Maps presented in Appendix F. Reference to historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps, particular during the war time periods. Table 2 indicates the inferred history of the site whilst Table 3 indicates the inferred history of the surrounding area.

**Table 2: History of site**

Date	Former & Current Site Use
1884	<p>The site is almost entirely covered by fields, each divided by hedge rows with some trees noted. Rectory Farm, (formerly located at the site of the current gun club), is located in the centre west of the site. A set of unnamed buildings, (identified recently to be derelict barns and outbuildings), are located in the centre east of the site. A set of unnamed buildings are located in the centre north of the site.</p> <p>An unnamed brook is located in the south of the site, flowing from south west to north east.</p> <p>An access track enters the centre of the eastern boundary and travels straight to the buildings in the centre east of the site, and continues through to Rectory Farm.</p>
1900-01	No significant change.
1927	Limited data available.
1938	No significant change.
1947 Aerial Photography	Fields appear to be arable and buildings are visible.
1952	Pumps are indicated at Rectory Farm and buildings are noted in the centre east of the site.
1958	No significant change.
1965-68	Limited data in south west area of the site, no significant change noted.
1979	Limited data available, no significant change noted.
1982-83	Drains are noted in the fields in the east of the site. Two field sections, situated north and south of Rectory Farm, are now marked as mixed woodland.
1990-92	No significant change.
1993	Limited data in south east of the site, no significant change noted.
2006	The buildings in the centre north of the site are named 'The Slade' and the woodland north of Rectory Farm named 'Churchills', and the woodland south of Rectory Farm named 'Highgate'. The field between Rectory Farm and Churchills wood is now shown to contain trees.



Date	Former & Current Site Use
2014	'The Slade' and its associated buildings are no longer shown. The field between Rectory Farm and Churchills is wooded and contains paths and a pond.

**Table 3: History of surrounding area**

Date	Former & Current Surrounding Land Use
1883	<p>An unnamed road forms the sites south east boundary.</p> <p>A branch line of the London and North Western Railway is located immediately west of the site, travelling broadly north to south.</p> <p>The village of Collingtree is located 50m north east of the site and the village of Milton is located 600m north west of the site.</p> <p>Glebe Farm is located 275m west of the site and Courteenhall West Lodge is located 450m south of the site. Watermill Spinney is located 300m south east of the site. A spring is located at Watermill Spinney and a brook runs north, joining the unnamed brook noted on the sites southern boundary.</p> <p>A Quarry is noted 900m south west of the site.</p>
1900-01	An 'Old Sand Pit' is located 400m west of the site, beyond the railway line. An additional Quarry is noted 800m south east of the site.
1927	Limited data available.
1938	No significant change.
1947 Aerial Photography	No significant features identified
1952	The unnamed road along the south east boundary of the site is named the A508.
1958	No significant change.
1965-68	<p>Limited data to the south west of the site.</p> <p>The M1 motorway has been constructed along the north east boundary of the site, along with the grade separated Junction 15 above the M1 linking the A508 to the M1 and the road network to the east.</p>
1979	Limited data available.
1982-83	The spring in Watermill Spinney is no longer marked. The quarry 800m south east of the site is no longer marked. The 'Old Sand Pit' and Quarry 400m west and 900m south west are no longer named but still visible on the maps.
1990-92	No significant change.
1993	Limited data to the south east of the site, no significant change noted.
2006	<p>A hotel and commercial / industrial development is marked 300m north east of the site, beyond the motorway junction.</p> <p>The now unnamed pits 400m west and 900m south west of the site are no longer marked on the maps.</p>
2014	No significant change.

## 5 DESK STUDY INFORMATION

The British geological Survey (BGS) plans and maps obtained have been reviewed to determine the anticipated geology beneath the site.

It is envisaged that the local geology beneath the site will be in line with the summary below detailed within Table 4 and are shown on Figures 3 & 4.

**Table 4: Geology of site**

Geology	Comment
<p><b>Surfacing and Buried Structures:</b></p> <p>(source: Previous SI Envirocheck History Maps, Site Observation)</p>	<p>Hard standing was identified along tracks to existing farm buildings in the east of the site as well as to a telecoms mast in the east of the site. Hard standing was also associated with the derelict farm buildings in the east of the site.</p>
<p><b>Made Ground / Topsoil:</b></p> <p>(source: Previous SI BGS Maps, Available Borehole Logs, Envirocheck Geology &amp; History Maps, memoirs)</p>	<p>The entire Site is anticipated to be underlain by a cultivated plough layer resulting in a sub soil or growing medium (Agricultural Topsoil) rather than topsoil associated with gardens.</p> <p>Previous investigations have identified <b>Agricultural Topsoil</b> to be present to depths of between 0.10m and 0.50m, with a <b>Subsoil</b> present below that was identified to be between 0.10m and 0.90m thick. The <b>Agricultural Topsoil</b> comprised brown sandy slightly gravelly clay or slightly gravelly clayey sand, while the <b>Subsoil</b> comprised orange brown slightly sandy slightly gravelly clay, or clayey sand.</p>
<p><b>Drift Deposits:</b></p> <p>(source: Previous SI BGS Maps, Available Borehole Logs, Envirocheck Geology &amp; History Maps, memoirs)</p>	<p>The majority of the site appears to be underlain by a mantle of <b>Oadby Member</b> (Diamicton Till / Glacial Till) which comprised firm to stiff brown or dark grey slightly sandy slight gravelly silty CLAY and was found to be on average between 4.00m to 5.00m thick but ranged between 0.55m and 10.90m thick.</p> <p>In the north corner of the site <b>Glaciofluvial Deposits</b> have been identified, below the Oadby Member, to depths of greater than 20.45m bgl. The Deposits were generally found to be between 0.50m and greater than 8.75m in thickness, and comprised orange brown occasionally slightly clayey gravelly sand or sand and gravel with the sand being predominant and mostly medium sized.</p>
<p><b>Bedrock</b></p> <p>(source: Previous SI BGS Maps, Available Borehole Logs, Envirocheck Geology &amp; History Maps, memoirs)</p>	<p>The entirety of the Site is indicated to be underlain by <b>Whitby Mudstone Formation</b> located below the overlying superficial deposits and have been identified at thicknesses of greater than 8.85m, although desk top information would suggest that the Whitby Mudstone Formation could extend up to 120m in thickness. These deposits appeared to generally comprise dark grey occasionally slightly sandy occasionally very silty clay and rarely silt, with bands of mudstone and siltstone.</p> <p>The <b>Stamford Member</b> is identified to extend just across the southern boundary of the site. The BGS indicates the Stamford Member to be pale greenish grey to yellowish and white, generally massive, fine-grained, generally friable, quartzose, unfossiliferous sandstone or siltstone, interpreted as mainly swamp and lacustrine, seen particularly in the upper part of the succession and in thicker successions as a sandy silty mudstone with plant debris, rootlets and thin lignite lenses, especially near the top, locally including interpreted lacustrine carbonaceous mudstones in hollows at the base and at the top.</p>
<p><b>Mining</b></p> <p>(source: Coal Authority web viewer, BGS)</p>	<p>None Identified.</p>

Geology	Comment
Maps, Available Borehole Logs, Envirocheck records, Geology & History Maps)	
<b>Faults</b> (source: BGS Maps, Available Borehole Logs, Envirocheck Geology Maps, memoirs)	None Identified.
<b>Opencast Quarrying</b> (source: Coal Authority web viewer, BGS Maps, Envirocheck History Maps)	<p>Some sand and gravel quarries noted within 400m of the site, although none expected on site.</p> <p>A site at Milton Malsor located immediately beyond the northern boundary of the site has allocated permissions for the extraction of up to 1.2M tonnes of glacial sands and gravels. It is however not being exploited at this time.</p>
<b>Mineral Protection</b> (source: Local Authority Plan)	<p>The northern half of the site falls within a Mineral Safeguarding and Consultation Areas (MSA &amp; MCA), associated with the sand and gravels of the Glaciofluvial Deposits.</p> <p>Related to this is the submission for 'Preventing land use conflict – buffer for allocated sites' which for the Milton Malsor allocated site extends across the extreme northern boundary of the site,</p> <p>The above areas have been reproduced and are shown on Figure 7 of this report.</p>
<b>Soil Chemistry</b> (source: Envirocheck / BGS)	<p>Available soil chemistry data suggests that the natural soils anticipated to be present across the site are unlikely to contain any significantly elevated concentrations of contaminants that would be considered to represent a risk to Human Health for a commercial development.</p> <p>This was confirmed by the preliminary ground investigations.</p>

It is envisaged that the local hydrogeology beneath the site will be in line with the summary detailed within Table 5.

**Table 5: Hydrogeology**

Hydrogeology	Comment
<b>Aquifer Classification:</b> (source: Envirocheck & EA Web)	<p>The hydrogeology of the site is primarily characterised by the presence of <b>Unproductive Strata</b> (the <b>Oadby Member</b> and the <b>Whitby Mudstone Formation</b>), defined as predominantly low permeability layers with negligible significance for water supply or river base flow.</p> <p>The <b>Glaciofluvial Deposits</b>, which are anticipated to encroach into the north east of the site are classified as a <b>Secondary A Aquifer</b>. Secondary A Aquifers are defined as permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers.</p>
<b>Aquifer Vulnerability:</b> (source: Envirocheck & EA Web)	<p>The site predominantly consists of unproductive strata and is therefore generally considered to have a Low Vulnerability to contamination, however, due to glaciofluvial deposits being a Secondary A Aquifer it is considered that parts of the site have an Intermediate Vulnerability.</p> <p>The Envirocheck report notes that soils of intermediate leaching potential can possibly transmit a wider range of pollutants.</p>
<b>Groundwater Abstractions:</b>	<p>There is one water abstraction approximately 1km south of the site at Thorpewood Farm. The abstraction is used for general agriculture uses. The</p>

Hydrogeology	Comment
(source: Envirocheck & EA Web)	<p>status is classed as revoked.</p> <p>Given the geological model it is unlikely that there is any connectivity to this abstraction well.</p>
<p><b>Groundwater Source Protection Zones:</b></p> <p>(source: Envirocheck &amp; EA Web)</p>	<p>In terms of aquifer protection, the EA generally adopts a three-fold classification of source protection zones (SPZ) for public supply abstraction wells.</p> <p>Zone 1 or 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time from any point below the water table to the source. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source.</p> <p>Zone 2 or 'outer protection zone' is defined by a 400-day travel time from a point below the water table to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants.</p> <p>Zone 3 or 'total catchment' is the area around the source within which all groundwater recharge is presumed to be discharged at the source.</p> <p>Information available on the EA website and Envirocheck report indicates that the site <b>does not</b> lie within a currently designated groundwater abstraction SPZ.</p>

Given the nature of the site and the surrounding area, it is envisaged that the local hydrology will be in line with the summary below detailed within Table 6.

**Table 6: Hydrology**

Hydrology	Comment
<p><b>Surface Waters:</b></p> <p>(source: Envirocheck, EA-web)</p>	<p>Two surface water features are located on site; a pond is located south east of the gun club at Rectory Farm. An unnamed brook (classed as a tertiary river) flows west to east in the south of the site, entering via an extended culvert below the railway line, and exiting via a culvert under the A508.</p>
<p><b>Land Drainage</b></p> <p>(source: Envirocheck, Historical plans, site observations)</p>	<p>There are numerous drainage ditches on site located alongside the hedgerows which mark field boundaries. These ditches are not all in continuity with each other but in general drain towards the south east of the site. The site has a general slope to the south / south east of the site where the unnamed brook (classed as a tertiary river) flows from west to east in the south of the site.</p>
<p><b>Floodplain:</b></p> <p>(source: Envirocheck, Historical plans, EA-web)</p>	<p>The indicative floodplain map for the area, published by the EA, shows the site is not located in a flood plain</p>
<p><b>Flooding:</b></p> <p>(source: Envirocheck, Historical plans, EA-web)</p>	<p>The Envirocheck report has identified numerous reference points for the potential for groundwater flooding to occur. The EA indicates that the site is unlikely to be flooded by a river. Further consideration on the potential for flooding in relation to the development will be presented within a specific Flood Risk Assessment for the site.</p>
<p><b>River Quality:</b></p>	<p>There are no river quality records available in the vicinity of the site</p>

Hydrology	Comment
(source: Envirocheck, EA-web)	
<b>Surface Water Abstractions:</b>  (source: Envirocheck, EA-web)	According to the supplied Envirocheck report, no surface water abstractions are located within 2km of the site, however, the Environment Agency website indicates that a single surface water abstraction is located approximately 1.5km north of the site for spray irrigation at a golf course.
<b>Discharge Consents:</b>  (source: Envirocheck, EA-web)	There were three discharge consents identified within a 500m radius of the site. One is 65m east for arable farming. Discharge type is: trade discharge-agricultural and surface. The second is located 357m south east as sewage discharge for domestic property (single). The third is for horticultural use located 471m north west from site. Discharge type is unknown.

Information from within the desk-based research endeavoured to investigate any natural ground hazards located on the site, a summary is provided below within Table 7.

**Table 7: Natural ground hazards of site**

Ground Hazards	Comment
<b>Subsidence:</b>  (source: Envirocheck, Geology Maps, available GI data and Site Observation)	<b>Potential for Landslide Ground Stability Hazards:</b> very low to low. An area 15m south west of the site is indicated to be moderate.
<b>Instability:</b>  (source: Envirocheck, Geology Maps, available GI data and Site Observation)	<b>Potential for Collapsible Ground Stability Hazards:</b> very low.  <b>Potential for Compressible Ground Stability Hazards:</b> very low.  <b>Potential Ground Dissolution Stability Hazards:</b> no hazard.  <b>Potential for Running Sand Ground Stability Hazards:</b> very low.  <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards:</b> low.
<b>Radon Gas:</b>  (source: Envirocheck, BRE, Public Health England HPA-RPD-033 d)	<p>The environmental database report (Envirocheck report, dated 7<sup>th</sup> August 2014 and 11<sup>th</sup> July 2016) indicates that the majority of the site is located within a non to intermediate probability radon area, as between 1% and 3% of homes are above the Action Level as defined by the Documents of the National Radiological Protection Board (Radon Atlas of England and Wales, NRPB-W26-2002).</p> <p>However limited areas of the site, particularly in the south, are indicated to be in areas where between 10% and 30% of homes are above the Action Level as defined above.</p> <p>In affected areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that in such a case the employer should arrange to have the premises tested. Based on the information in the database report, it would be prudent to design in Basic Radon Protection within any new commercial buildings, particularly in any poorly ventilated or confined areas and offices. If the site is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 "Radon: Guidance on Protective Measures for New Dwellings (2007)".</p>

The desk-based research endeavoured to obtain records on the details of any pollution incidents, landfill sites and industrial uses of the site and other environmental related records, a summary is provided below within Table 8.

**Table 8: Environmental information: pollution, landfill and industrial land use**

Environmental Information	Comment
<p><b>Landfill Sites:</b></p> <p>(source: Envirocheck, EA-web, Historical Plans)</p>	<p>There are three recorded licensed waste management facilities within 500m of the site, all related to Wooton Quarry and located 144m, 380m and 381m north east of the site. While the nearest results all relate to a co-disposal landfill site, more recent entries, positioned further from site although still at Wooton Quarry, indicate the landfill accepts or has accepted solid (inert, degradable, putrescible), domestic, difficult, bonded asbestos and toxic (non-special) waste.</p> <p>An historic landfill is located 449m south of the site operated by Sandspiners Limited. The landfill is recorded to have accepted inert waste and liquid sludge between 1982 and 1991, under provider reference EAHLD02279.</p>
<p><b>Fuel Stations:</b></p> <p>(source: Envirocheck, Site Observations)</p>	<p>There are no fuel stations on or within 250m of the site.</p>
<p><b>Potentially Polluting Industry</b></p> <p>(source: Envirocheck, EA-web, Historical Plans)</p>	<p>There are no active Potentially Polluting Industries on or within 250m of the site.</p>
<p><b>Pollution Incidents</b></p> <p>(source: Envirocheck, EA-web)</p>	<p>There have been three recorded pollution incidents to controlled waters near to the site, all three are located around the existing Junction 15 of the motorway and all three relate to minor incidents of diesel being released to either groundwater or surface water between 1998 and 1999. There are no other pollution incidents recorded within 500m of the site.</p>
<p><b>Sensitive Land Use</b></p> <p>(Envirocheck)</p>	<p>A single site of special scientific interest (SSSI) has been identified 94m south of the site, named Roade Cutting, and designated a Geological Conservation Review site.</p> <p>No other national or internationally designated sensitive land uses were identified in the vicinity of the site.</p> <p>It is however understood that a separate ecological survey of the site has been undertaken by others and is currently being updated. The constraints identified within the original report supplied to RSK in 2014 include the possible presence of Great Crested Newts within the pond at Rectory Farm (Gun Club), two badger sets, one located within hedgerows in the centre of the site and another located within hedgerows in the eastern corner of the site, a potential barn owl roost within the derelict farm buildings just east of the centre of the site, and two trees with a moderate bat roosting potential in the centre and north of the site respectively.</p>
<p><b>Unexploded Bombs</b></p> <p>(Zetica UXB Risk Maps)</p>	<p>Based upon the Zetica UXB Risk Map for Northamptonshire the risk for this site is <b>low</b>.</p>
<p><b>Invasive Plant Species</b></p>	<p>Japanese knotweed is a non-native, highly invasive species and spreads via rhizomes (underground 'stems') rather than seeds in the UK. It is found in a range of habitats across the UK including roadsides, riverbanks and derelict land. <b>Japanese knotweed was not identified to be present during the site walkover.</b></p>

Environmental Information	Comment
	However it should be noted that an ecological assessment of the site was outside the scope of this assessment and the authors are not ecologists.

## **6 PRELIMINARY CONTAMINATED LAND RISK ASSESSMENT**

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The Preliminary Contaminated Land Risk Assessment presented in Appendix D is based on the anticipated ground conditions of the site outlined upon Figures 3 to 6. The main identified risks are discussed below in more detail however reference should be made to the risk matrix to understand all of the risks assessed.

### **6.1 Potential sources of contamination**

Likely ground contamination resulting from the current and former land uses has been determined from the desk study research and reference to; the Environment Agency Publication CLR 8 'Potential Contaminants for the Assessment of Land' and the relevant Department of the Environment Industry Profiles.

Based upon the aforementioned desk-study information, there do not appear to be any primary significant contaminative sources, materials or processes at the site, with the exception of a couple of small former fuel storage tanks within the derelict barns east of the centre of the site. The only source of significance within the surrounding area is the landfill which historically came within 144m of the north east of the site however, information gained from the previous site investigation suggests that neither ground gases or contaminant migration associated with the history landfill, are anticipated to be affecting the site. Visual evidence gathered during the site walkover suggests that no other significant contamination is present.

Table 9 details the following areas that have been identified to be potential risks which may need further investigation with respect to ground related contamination source potential within the site area.



**Table 9: Identified risks of potential contamination sources**

	Contaminants of concern	Notes
<b>On-site</b>		
Fuel store within derelict barn areas	Possibility of hydrocarbon fuel leakage or spillage within the vicinity of the derelict barns.	Tanks were noted inside buildings; as such any spillage would have been onto concrete floor. Due to the anticipated geology any spills are likely to be localised.
Former farm buildings	Possibility for asbestos containing materials (ACM's) wastes to be present following demolition if ACM's were present.	None identified but could be localised to former buildings.
Farming related activities across the site	Potential for pesticides and herbicides to have been used on site as part of general farm activities, also the potential for minor hydrocarbon spillages/leaks from plant breakdowns.	None.
Gun Club	There is a potential for localised wasted and live ballistics ammunition, used gun cartridges and casings and more widespread lead shot.	Likely to be localised to the shooting area. Does not fall within the proposed development area.

It should be noted that though the shooting range falls within the overall site area it does not fall within the proposed development area indicated on Figure 2.

## 6.2 Potential contamination pathways

In accordance with the Environment Agency Publication CLR 10 'The Contaminated Land Exposure Assessment Model' the potential pathways by which the on-site contaminants may affect the health of the existing and future potential human receptors at the site are:

- Inhalation of vapour
- Inhalation of fugitive dust
- Ingestion and absorption by direct contact; including hand to mouth contact and absorption through the skin.

In addition, potential pathways by which the on-site contaminants may affect the existing and future potential receptors at the site are:

- Migration by surface run-off; including in suspension or solution.
- Transportation via the land drains in to the sewerage system or to outlets into the environment (drainage ditches and streams).
- Migration in solution via groundwater; including leaching in the unsaturated zone and diffusion in the saturated zone. (Limited pathway only plausible where granular glaciofluvials are present close to surface)
- Plant uptake; through root systems.

## 6.3 Potential existing receptors

With the exception of the old fuel tanks within the derelict barns, the shooting range and the general use of herbicides and pesticides, the site does not exhibit any clear signs of past or present contamination sources and this was confirmed by the preliminary stage investigations. Given the fact that the majority of the site is open farmland and rough scrub there are few receptors with a high likelihood of exposure. Receptors may include:

- Groundwater within the Glaciofluvial Deposits in the north of the site (Secondary A Aquifer)
- Surface water drainage to streams.
- Local flora and fauna & crops.
- Current land users (Farmers)
- Current users of the shooting range
- Adjacent land users and property.
- Potable water supply pipes
- Ecological receptors

## 6.4 Potential future receptors

Site re-development will involve the construction of large distribution warehouses along with office blocks and associated access roads and parking. Ultimate end users would not be at risk of any in ground soil contamination as the floors and hard standings would break any such pathways. The construction of the scheme would involve significant earthworks which could potentially generate fugitive dust and may bring site construction workers into contact with contaminated soils if any are present. The duration of exposure to any on-site contaminants is likely to be limited, the degree of exposure may be significant.

However visual evidence from the walkover, history, geology and available preliminary ground investigation testing suggests that contamination is not likely to be present therefore risks to existing and future receptors are likely to be low to negligible.

Potential future receptors are:

- Site construction workers.
- Site end users (commercial).
- New infrastructure, buried pipes and services.
- New structural foundations.
- Future landscaping and planting.

Please note that risks to construction workers are considered to be managed through health and safety procedures including CDM regulations.

## 6.5 Data gaps and uncertainties

The main areas of uncertainty lie with the areas currently operated by the gun club. Access was not permitted into the buildings, the wood or pond area where the shooting traps are located at the time of the undertaking of this report.

## 6.6 Preliminary contaminated land risk assessment

An estimate of the risk associated with each linkage is summarised in the Preliminary Contamination Risk Assessment risk matrix included within Appendix D. The risk classification has been undertaken in accordance with CIRIA C552 (Rudland et al., 2001), a summary of which is included in Appendix C.

The initial findings of the assessment are as follows:

There is not expected to be any significant risk of contamination being present across the majority of the site, as the historical data suggests that this area has always primarily been agricultural land and remains so to this day.

There is a potential risk of contamination associated with the derelict farm buildings, the shooting club and general farming activities across the site. Within the farm yard area there are several former fuel tanks, and potentially storage of herbicides and pesticides may have taken place. Additionally the potential for minor fuel spillages or leaks across the site exists. As the site has always been arable farmland the potential for the storage and use of persistent and harmful pesticides and herbicide chemicals is considered to be present, particularly pre 2000, at which point greater environmental awareness and controls have been in place with regards to the use of such chemicals. In addition there is a potential of lead contamination within surface soils within the area occupied by the shooting range and within the fallout range of lead shot within nearby agricultural fields. It should, however, be noted though that the area occupied by the shooting range is not currently being considered for redevelopment.

During the site walkover, it was noted that the derelict farm buildings on site have the potential to contain asbestos and potentially may also be present in soils surrounding the buildings.

Based on evidence from the preliminary investigation, the closed landfill located 144m north east of the site is unlikely to present a risk to the site via ground gases or contaminant migration. Similarly no significant soil gas or contamination was identified on the site, including lead, pesticides and herbicides.

Therefore based on evidence collated from the historical plans, environmental databases, searches, site walkover and preliminary ground investigation, it is considered highly unlikely that the site has any significant sources of contamination present.

Generally across the site the relative risks resulting from potential pathways linkages at the site can be considered as low to negligible. Potentially higher localised risks (moderate) are likely to be associated with the shooting range area and barns.

### **6.6.1 Risk to human health during construction**

Considering that no significant Made Ground or contamination has been observed, is shown to have been present upon historical plans, within environmental data or has been identified to be present within the Preliminary Ground Investigation works and that the scheme will be built using clean site won materials or / and suitable imported material the risks to human health during construction are generally considered to be **Low**, however, with regards to asbestos containing materials potentially locally present within existing farm buildings the risk to human health during construction is considered to be **Moderate/Low**.

It should be noted that the area of the shooting range where a moderate risk has been identified does not fall within the development construction area.

### **6.6.2 Risk to human health post construction**

Considering that no significant Made Ground or contamination has been observed, is shown to have been present upon historical plans, within environmental data or has been identified to be present within the Preliminary Ground Investigation works and that

the scheme will be built using clean site won materials or / and suitable imported material and that the nature of the proposed scheme is for a large scale commercial development human exposure to soils and groundwater will be extremely low as the site will be predominantly covered in hard standing. The risk post development is generally considered to be **Low**, however, with regards to asbestos containing materials potentially present within existing farm buildings (i.e. fuel tanks and asbestos) the risk to human health post construction is considered to be **Moderate/Low**.

Risk to local ecology and landscape planting

Given that the flora are thriving within the site and that no significant Made Ground or contamination has been observed, is shown to have been present upon historical plans, within environmental data or has been identified to be present within the Preliminary Ground Investigation works and that the scheme will be built using clean site won materials or / and suitable imported material the risk to the local ecology from exposure to soils and groundwater will be **Low**.

### **6.6.3 Risk to surface water**

Considering that no significant Made Ground or contamination has been observed, is shown to have been present upon historical plans, within environmental data or has been identified to be present within the Preliminary Ground Investigation works and that the scheme will be built using clean site won materials or / and suitable imported material, the risk to surface water from exposure to soils and groundwater is considered to be **Low**.

### **6.6.4 Risk to groundwater**

Considering that no significant Made Ground or contamination has been observed, is shown to have been present upon historical plans, within environmental data or has been identified to be present within the Preliminary Ground Investigation works and that the scheme will be built using clean site won materials or / and suitable imported material, the risk to groundwater from exposure to soils and groundwater is considered to be **Low**.

### **6.6.5 Risk due to ground gas**

The Envirocheck data suggests that a landfill is located north east of the site, beyond Junction 15, with historical sections extending to within 144m of the site. However, previous site investigation data does not indicate any elevated concentrations of ground gases associated with the landfill to be present at the site, additionally the anticipated geology and ground model is not indicative of strata likely to transmit or naturally degrade and produce harmful soil gases and may be of low permeability. Therefore it is considered that the risk of exposure to ground gases during construction or operational phases of the proposed development are **Moderate/Low**.

However, it is recommended that a precautionary approach should be taken where entry into below ground excavations and confined spaces should always be atmosphere tested before and during entry.

### **6.6.6 Risk to buried structures and services**

The evidence available at the time of this report suggests that no Made Ground or contamination is likely to be present. However information to date suggest that naturally occurring elevated sulphates in the form of sulphate crystals (gypsum) are likely to be present within cohesive soils present beneath the site and as such there is considered to be a **Moderate/Low** risk of exposure to aggressive substances that are likely to affect in ground concrete mix design and soil stabilisation techniques.

### **6.7 Requirement for further assessment**

At enabling works stage it is recommended that a watching brief is undertaken by a geo-environmental engineer to examine and test the ground in the area of derelict farm buildings and gun club for lead, asbestos and fuels, with particular attention paid to the areas where fuel tanks are located.

## **7 ASSESSMENT OF GEOTECHNICAL RISKS**

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### **7.1 Preliminary geohazard and geotechnical assessment**

Using all of the available information and taking into account the expected ground model for the site outlined upon Figures 3 to 6 and the findings of the Preliminary Ground Investigation carried out the Preliminary Geotechnical Risk Register presented in Appendix E has been prepared and highlights several potential risks associated with the site. The main identified risks are discussed below in more detail, however, reference should be made to the risk matrix to understand all of the risks assessed.

#### **7.1.1 Mining and natural cavities**

The site is not within an area affected by coal mining or brine extraction. The geology is not conducive to the formation of large natural cavities.

#### **7.1.2 Man made voids or obstructions**

There is the possibility that the disused concrete tank within the derelict farm buildings extends below the ground surface. Examination of this area should be undertaken when demolition of the buildings occurs to confirm if a below ground void exists. This is likely to be a very localised small feature.

#### **7.1.3 Earthworks**

Significant cut to fill earthworks are anticipated to be required to be undertaken to achieve the proposed redevelopment of the site to form the main development plateau and landscape screening bunds.

In order to reduce the risk of excessive cost for offsite disposal and on site importation it is assumed that;

- site won materials will be utilised
- and that a cut to fill volume balance will be achieved.

Whilst Preliminary Ground Investigations have been undertaken and confirm the anticipated ground model and outline strata properties it is recommended that further more intensive ground investigation is undertaken, specifically of the materials to be cut to confirm strata classification and suitability for reuse within fill areas.

It is anticipated that the majority of cut materials will be cohesive in nature and therefore moisture content sensitive. Many UK cohesive soils tend to be wet of the optimum for compaction and therefore there is considered to be a moderate risk that these soils may need soil modification or stabilisation to render them suitable for reuse within structural fill beneath buildings and hard standing.

When considering lime modification or stabilisation account must be taken of the risks of creating heave through the chemical reaction with naturally occurring sulphates within the clays soils present.

#### **7.1.4 Existing cut slopes**

There are no existing cut slopes located within the site however the M1 to the east and Railway to the west are both within cuttings on the edge of the site, immediately beyond the site boundary Further investigation of the strata immediately adjacent to these cuttings may be necessary to allow assessment of existing and future slopes stability.

#### **7.1.5 Existing embankment slopes**

There are no existing embankment slopes on the site.

The M1 Junction 15 to the south east is located upon an embankment, however it is anticipated that this will be maintained by the Highways Agency/Highways England and the Local Highways Authorities. This embankment does not appear to be showing any signs of instability.

#### **7.1.6 Proposed cut slope design**

Significant cut slopes are required in the north west and along the northern end of the north east boundary of the site in order to form the main development plateau.

Cut slope stability will need to be carefully assessed and a suitably robust engineering design provided which includes drainage of the strata anticipated to be encountered.

Further targeted Ground Investigation of the strata immediately adjacent to these cuttings may be necessary to allow assessment of proposed slope stability and confirm detailed slope designs.

#### **7.1.7 Proposed embankment design**

Embankments are proposed for the site, although these are believed to be non structural landscape embankments around the periphery of the site in the north, east and west.

It is anticipated that significant cost will be incurred in the formation of the embankments due to the volumes of materials required to be placed. It is assumed that clean site won materials will be suitable for reuse within the embankment construction to avoid excessive costs for importation of materials to form the embankment. The design of the embankment will need to take account of the classification of the materials being utilised for its construction. Options for increasing side slopes and reducing footprint and volume may be explored and these may include reinforced embankments (geogrids) or soil stabilisation (lime and cement) or even retaining walls if required.

The risk of failure of embankments is increased where fine grained soils are used to construct them particularly if insufficient compaction and drainage is designed and the works proceed too quickly. Therefore it is recommended that staged construction is undertaken and that granular basal layers is installed and linked to the wider drainage



network to avoid the build-up of pore water pressures in fine soils as works progress. This will aid and speed up consolidation and increase stability. Alternatively or additionally the use of soil stabilisation or reinforced earth might be considered.

Embankment slopes must be designed appropriately with regard to the stability of the soils being used to construct the embankment and take account of the strength of the underlying foundation soils and the presence of any adjacent features such as cuttings.

Drainage will need to be carefully designed to cope with surface water and to avoid runneling and softening of the slope faces and softening in the foundation soils, in particular at the toe of the slopes.

Additionally, further targeted Ground Investigation is recommended to confirm the underlying ground conditions beneath the footprints of the proposed embankments so that embankment foundation assessments with respect to settlement and slope stability may be made. Investigation is required to be undertaken in areas of cut material to assess the classification and suitability of cut materials for reuse to allow the embankment designs to be refined.

#### **7.1.8 Cut to fill transition zones**

It is anticipated that there will be a cut to fill transition line running broadly north east to south west near to the centre of the development area within the site.

This change from cut to filled areas can cause differential settlement to building foundations and floor slabs. It is understood that the current scheme layout places the main proposed building across the cut to fill transition and as such design of earthworks, foundations and floor slabs will require careful consideration within this area. In particular there is considered to be a significant potential risk of heave occurring within the strata in the areas where deep cut will be undertaken, whilst settlement may be a risk in the earthworks fill if engineering of the fill materials is not undertaken correctly in accordance with a robust specification.

#### **7.1.9 Earthworks – Materials Reuse**

In this case it is expected that part of the embankments will be constructed from site-won arisings from the major cutting works.

It is expected that granular fractions of the Glaciofluvial Deposits present within the northern areas of the site would be suitable for reuse within embankment fill as a Class 1 general fill. Whilst cohesive soils and mudstones mixed with weathered siltstones and sandstones are likely to breakdown under excavation and compaction to form more cohesive soils in line with Class 2 materials.

There is considered to be a low to moderate risk that the underlying mudstone and perhaps the overlying cohesive till (derived in part from the underlying strata) will include high sulphates. As such careful consideration should be given to the design and specification of earthworks given to the potential for sulphate induced heave especially where the materials noted above are used within a cut and fill program where soils would be significantly disturbed allowing a greater oxidation potential. Soil stabilisation

techniques will also require careful consideration for the same reasons. Such materials would however be suitable for reuse within landscape features where the potential for heave does not present a risk.

According to the CL:AIRE guidance “The Definition of Waste: Development Industry Code of Practice” (version 2, March 2011), any material that may be otherwise considered by the Environment Agency as waste (such as made ground), if dealt with in accordance with the Code of Practice under a Materials Management Plan (MMP) will not be considered as waste if used for the purposes of land development. Any Clean and Naturally occurring material may be reused on the site of origin without the need to be included within an MMP.

Ground investigation is recommended to confirm the ground conditions, strata properties and soil chemistry

### **7.1.10 Foundations and floor slabs**

#### **Cut areas**

It is anticipated that in cut areas buildings will be founded directly upon competent solid strata and as such standard strip and pad foundations are anticipated to be suitable. However some consideration of the risk of heave and differences between strata across the large building footprints maybe necessary if the structures have tight tolerances. It would also be anticipated that ground bearing floor slabs would be suitable but similarly could be affected by the risk of heave particularly in the areas of greatest cut.

#### **Filled areas**

Foundations within filled areas will need to be designed according to the prevailing conditions and the standards of engineering fill provided. Where fill is relatively shallow foundations could be formed as over deepened pad or trench fill foundations extended through the full depths of fill into the competent underlying natural strata. Where deeper fill is placed piled foundations may need to be considered, however, standard foundations formed within the fill maybe feasible provided sufficient compaction of the placed fill materials has been achieved and these soils will provide sufficient strength.

Depending upon the standard of earthworks engineering fill achieved ground bearing floor slabs might be considered. However, if high floor loadings or tight settlement or and differential settlement tolerances are required additional engineering options include soil stabilisation or soil mixing of placed fill to improve bearing and settlement characteristics. Given the nature of the main enabling works for the scheme it is most likely that a suitably engineered fill option will be utilised.

Targeted Ground Investigation is recommended to confirm the underlying ground conditions beneath the specific footprints of the proposed structures so that detailed foundation and floor slab design assessments may be made.

### **7.1.11 Aggressive soil chemistry**

The soils beneath the site are known to include naturally occurring sulphates (gypsum) and as such in ground concrete will need to be designed to accommodate the risks represented by contact with such sulphate containing soils.

In addition consideration will need to be given to the potential for sulphate induced heave especially where the materials noted above are used within a cut and fill program where soils would be significantly disturbed allowing a greater oxidation potential, this can be a particular problem where lime stabilisation is utilised to improve soil strengths

### **7.1.12 Highway construction**

As the site requires significant cut to fill earthworks to achieve the required development levels, it is anticipated that engineering earthworks design specification will be provided to cover these elements and is likely to include a performance specification for the formation levels beneath the highways in both cut and filled embankment areas. Embankment earthworks designs will need to be checked for foundation bearing, settlement and slope stability to ensure that the embankments will not suffer detrimental settlement or failure once constructed.

### **7.1.13 Groundwater levels**

The prevailing groundwater table has been tentatively confirmed within the Preliminary Ground Investigation to be present at depths of 79 to 80m AOD within the deep underlying Glaciofluvial deposits, however monitoring was undertaken over a limited period.

The Oadby Member and Whitby Mudstone Formation are generally classed as unproductive strata although they do still contain water bearing granular layers (Oadby member) or have permeable siltstone or limestone strata (Whitby) which may yield local water strikes. It appears from the Preliminary Ground Investigation that granular lenses within the Oadby Member Till did yield perched /confined water where encountered and intersected although no one consistent groundwater table appears to be present as these sand and gravel lenses are randomly distributed through these deposits and not all in continuity.

The scheme design should also attempt to avoid cutting below major water tables to avoid dewatering and drainage problems. A high prevailing groundwater table will affect the earthworks modelling and could affect the maximum depths that cuttings and development plateaus may be formed.

Cutting slopes will require drainage systems to be designed and installed to intersect water bearing confined strata and to filter it away longitudinally and horizontally to avoid softening and degradation of more susceptible softer strata beneath. Alternative face or cut off band drains behind the cut face might also be considered as alternatives depending upon the detailed value engineering design goals.

Further targeted ground investigation is recommended to allow the installation of groundwater monitoring instrumentation in critical areas and to facilitate long term

groundwater monitoring to be carried out to establish the long term seasonal fluctuations in the prevailing groundwater table and also to help establish fluctuations in the groundwater within perched and confined layers above where these might impact upon cuttings and other important features of the design.

#### **7.1.14 Drainage**

It is anticipated that the majority of the shallow strata will not be conducive to infiltration drainage techniques as these are predominantly cohesive in nature. However areas of deep sand and gravel to the north may be more suitable for such techniques if present close to final surfaces following cut and fill reprofiling. Further targeted Ground Investigation is required to confirm the ground model and strata properties to aid the design of storm water attenuation features, soakaways and borehole soakaways.

### **7.2 Requirement for assessment**

A preliminary ground investigation is available that confirms the anticipated ground model and soil properties. However this gives limited coverage and distribution across the site and it is recommended that a more detailed targeted Ground Investigation is undertaken, to confirm the ground model, strata distribution, groundwater table and geotechnical properties to allow risks to be confirmed or revised and to inform detailed stage design.

The significant geotechnical issues associated with the site re-development that require further assessment during the recommended ground investigation include:

- Site wide confirmation of Ground Model to assist with earthworks, cutting, embankment and foundation design.
- Strata soil classification to determine suitability for reuse within earthworks.
- Depth/level of perched water and deep groundwater including confined groundwater tables within deep and shallow strata.
- Shallow and deep soil infiltration potential at locations of potential storm water attenuation.

## 8 BASIS FOR DESIGN OF GROUND INVESTIGATION

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A review of the currently available data and the contaminated land and geotechnical risk assessments presented above indicates the following issues that require further investigation:

### 8.1 General concept

The general concept of the design of the proposed ground investigation is to confirm the ground model.

Techniques should aim to examine both near surface and deep strata and obtain sufficient samples for soil classification, preliminary earthworks testing, strength testing, soil chemistry and contamination assessments. It is important to stress that deep boreholes are recommended to be undertaken in areas of deep cutting and should extend below the proposed depth of cutting. Boreholes should be instrumented to allow longer term monitoring of both soil gas in the area of proposed structures and most importantly groundwater levels across the site.

It is also recommended that a number of infiltration tests should be undertaken in areas of the site likely to be utilised for storm water attenuation ponds to confirm the suitability of the properties of the underlying strata.

Some targeted investigation will be required specifically aimed at the areas of cuttings and embankments to facilitate slope stability modelling and earthworks assessments with other investigations targeted at building plots to inform foundation designs.

Given the current site conditions and use and the anticipated geology it is recommended that the following ground investigation techniques are used:

- Trial Pits
- Cable Percussion Boreholes
- Combined Window Sampler/Rotary Boreholes

It is recommended that a detailed Ground Investigation specification should be developed which takes account of areas yet to be investigated including new areas and areas previously inaccessible, existing site conditions, restrictions, services and utilities and the proposed development. The specification should aim to identify the target depth for investigation techniques at individual locations and the primary purposes for each exploratory hole.

## 8.2 Restrictions and constraints to ground investigation

The issues in Table 10 below have been identified from the preliminary information provided to date they should be highlighted to the ground investigation contractor prior to site works.

**Table 10: Restrictions and constraints to ground investigation**

Restriction/Constraint	Yes	No	?	Comment
<b>Ecology</b>				
Great Crested Newts	✓			The potential presence of Great Crested Newts, badgers, bat roosts and lizards have been identified by others. RSK Investigations would be undertaken within arable farmed fields and as such are unlikely to impact upon ecological species. Ecologist's advice and confirmation to be sought before proceeding with field works.
Badgers	✓			
Bats	✓			
Lizards	✓			
Japanese Knotweed		✓		No Japanese Knotweed has been observed at the site.
Tree Preservation Orders			✓	Highgate woods is identified as a potential local wildlife site.
Nesting Birds		✓		Works undertaken within worked farmed arable fields.
<b>Archaeology</b>				
Buried features		✓		None known, however, archaeological advice and confirmation to be sought before proceeding with field works, watching brief may be required.
Listed Buildings		✓		No known listed buildings present at the site.
<b>Physical Limitations &amp; Access</b>				
Restricted Areas	✓			The gun club and associated wood and small pond area were inaccessible at the time of the walkover and are likely to remain so throughout the investigation.
Rough Ground	✓			Majority of area is arable land in various states of crop, crop down harvest and replanting. It is anticipated that investigations may be restricted by farming operations in some areas, particularly where crop remains.
Soft Ground	✓			Ploughed fields will be difficult to access across for plant and machinery.
Steep Slopes		✓		No steep slopes present that would inhibit the GI other than close to streams. Unless work is proposed on cutting or embankment slopes.
Narrow/Restricted Access	✓			Access tracks and field margins used for access around the site are narrow and locked gated access tracks are present.
Buried features	✓			Possible underground tank within the derelict farm buildings, east of the centre of the site.
Active Site	✓			The entire site is actively farmed, and the rectory farm buildings used as a gun club.

Restriction/Constraint	Yes	No	?	Comment
Buildings / Hard-standing		✓		GI into hard standing roads is not deemed to be necessary.
Residential Area		✓		None.
Traffic Management		✓		None required.
Crops	✓			Entire site is arable farmed.
Livestock		✓		
<b>Health and Safety</b>				
Buried Contamination			✓	No clearly identified sources of contamination know to be present.
Buried & Overhead Services	✓			Overhead electricity pylons and wires present across the north and centre of the site, while gas and water mains are located in the east of the site.
Notes: ? = Unknown				

## **9 CONCLUSIONS AND RECOMMENDATIONS**

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### **9.1 Conclusions and recommendations**

The site is primarily considered to be Greenfield in nature and there is little evidence to suggest there are any significant potential sources of contamination likely to be present that would detrimentally impact upon the proposed scheme design, though minor localised potential contamination sources might be present in the locality of the derelict barn. The shooting range was noted to have a potentially higher risk from lead contamination but is not noted to lie within the current development area.

The geology of the site will impact upon the geotechnical elements of the detailed design; however these conditions are not anticipated to represent significant risks and would be anticipated to be resolved by normal engineering design and construction methods. There are also no identified particular natural geohazards that would significantly impact the scheme. It is however considered important to establish the groundwater regime present beneath the site, particularly within the area of proposed cuttings so that designs can be refined to include appropriate drainage solutions where necessary.



## BIBLIOGRAPHY

---

Boyle, R. A. and Witherington, P. J. (2007), 'Guidance on Evaluation of Development Proposals on Sites where Methane and Carbon Dioxide are Present', National House-Building Council and RSK Group.

British Geological Survey (2001), Sheet Number 202, Solid & Drift Edition, scale 1:50 000.

British Geological Survey (2002), Engineering Geology of British Rocks and Soils – Mudstones of the Mercia Mudstone Group.

British Standards Institution (1990), 'BS 1377:1990 Methods of test for soils for civil engineering purposes.

British Standards Institution (1999), 'BS 5930:1999 (+A2:2010). Code of practice for site investigations'.

British Standards Institution (2004), 'BS EN 1997 -1:2004 Eurocode 7: Geotechnical Design – Part 1: General Rules.

British Standards Institution (2007), 'BS EN 1997 -2:2007 Eurocode 7: Geotechnical Design – Part 2: ground Investigation & testing.

British Standards Institution (2009), 'BS 6031:2009. Code of practice for Earthworks.

British Standards Institution (2011), 'BS 10175:2011. Investigation of potentially contaminated sites: Code of practice'.

Building Research Establishment (2005), *BRE Special Digest 1: Concrete in aggressive ground* (London: BRE).

Building Research Establishment (2007) *BRE Digest 365. Soakaway design* (London: BRE).

Chartered Institute for Environmental Health and Land Quality Management (2009), 'The LQM/CIEH Generic Assessment Criteria for Human Health', second edition.

Chartered Institute of Environmental Health (CIEH) and CL:AIRE (2008), *Guidance on Comparing Soil Contamination Data with a Critical Concentration* (London: CIEH).

CL:AIRE (2009), *Soil Generic Assessment Criteria for Human Health Risk Assessment* (London: CL:AIRE).

CL:AIRE (2011), *CL:AIRE Code of Practice. The Definition of Waste: Development Industry Code of Practice, Version 2* (London: CL:AIRE).

Dangerous Substances Directive (76/464.EEC).

Department for Environment, Food and Rural Affairs (2010), *The River Basin Districts Typology, Standards and Groundwater Threshold Values (Water Framework Directive) (England and Wales) Directions 2010* (London: HMSO).

Environment Agency (2004a), *Model Procedures for the Management of Contaminated Land. Contaminated Land Report Number 11 (CLR11)*, September (Bristol: Environment Agency).

Environment Agency (2004b), 'Policy Number 199\_04, dated 9 March 2004, Part IIA – Detailed Quantitative Assessment of Chronic Risks to Human Health from Contaminated Soils'.

Environment Agency (2006a), 'Remedial Targets Methodology: Hydrogeological Risk Assessment for Land Contamination'.

Environment Agency (2006b), 'The Knotweed Code of Practice – managing Japanese Knotweed on development sites'.

Environment Agency (2008), *Science Report SC050021/SR7. Compilation of Data for Priority Organic Pollutants for Derivation of Soil Guideline Values* (Bristol: Environment Agency).

Environment Agency (2009a), Contaminated Land Exposure Assessment (CLEA) software, version 1.06.

Environment Agency (2009b), *Human health toxicological assessment of contaminants in soil. Science Report – Final SC050021/SR2*, January (Bristol: Environment Agency).

Environment Agency (2009c), 'Science Report SC050021 March 2009, May 2009 and September 2009.

Environment Agency (2009d), *Science Report – SC050021/SR3. Updated technical background to the CLEA model* (Bristol: Environment Agency).

Environment Agency (2010a), 'GPLC1 – Guiding Principles of Land Contamination', 'GPLC2 – Frequency Asked Questions, Technical Information, Detailed Advice and References', and 'GPLC3 – Reporting Checklists', all March.

Environment Agency (2011) Chemical Standards Database.

Environment Agency (no date) Freshwater environmental quality standards.

Environment Agency [www.environment-agency.gov.uk/](http://www.environment-agency.gov.uk/).

Hartless, R. (1991), 'BRE Report 212: Construction of new buildings on gas-contaminated land', Building Research Establishment.

Highways Agency; Design Manual For Roads and Bridges; Volume 4 Geotechnical And Drainage Section 1 Earthworks Part 2 HD22/08 Managing Geotechnical Risk (August 2008).

Highways Agency; Design Manual For Roads and Bridges

Highways Agency; Manual of Contract Documents For Highway Works, Specification For Highway Works 2008.

Landmark Information Group (2013), 'Envirocheck report reference 49432360\_1\_1', dated 24 September 2013.

Norbury, D. (2010), *Soil and Rock Description in Engineering Practice* (Caithness: Whittles).

Office of the Deputy Prime Minister (2004), *Planning Policy Statement 23: Planning and Pollution Control* (London: The Stationery Office).

Part IIA of the Environmental Protection Act (Contaminated Land Regulations (England) 2002 (London: HMSO).

Rudland, D. J., Lancefield, R. M. and Mayell, P. N. (2001), *CIRIA C552. Contaminated Land Risk Assessment: A Guide to Good Practice* (London: CIRIA).

Stone, K., Murray, A., Cooke, S., Foran, J., Gooderham, L., (2009) CIRIA C681, *Unexploded Ordnance (UXO). A guide for the construction industry.*

The Surface Waters (Abstraction for Drinking Water) (Classification) Regulations 1996 (London: HMSO).

The Surface Waters (Dangerous Substances) (Classification) Regulations 1998 (London: HMSO).

The Water Supply (Water Quality) Regulations 1989, 2000 and 2001 (London: HMSO).

Transport and Road Research Laboratory (1970), 'TRRL Road Note 29 (Appendix 1). Road pavement design'.

Transport and Road Research Laboratory (1984), 'TRRL Report LR1132 (Table C1)'.

UK Water Industry Research (2010) *UKWIR Report 10/WM/03/21. Guidance for the Selection of Water Supply Pipes to be used in Brownfield Sites* (London: UKWIR).

Water Framework Directive (2000/60/EC).

Wilson, S., Oliver, S., Mallet, H., Hutchings, H. and Card, G. (2007), *CIRIA Report C665: Assessing risks posed by hazardous ground gases to buildings* (London: CIRIA).

World Health Organization (2004), *Guidelines for drinking-water quality*, 3<sup>rd</sup> edn (Geneva: WHO).

WRc plc (2002), 'Polycyclic Aromatic Hydrocarbons (PAH): Priorities for Environmental Quality Standard Development, R&D Technical Report P45'.

# FIGURES

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Site Location

00	14.07.16	312589	SP	RG	LM
Rev	Date	Description	Drn	Chk	App

**M1 Junction 15**

Figure 1  
Site Location Plan

0 450  
Metres  
Scale = 1:15,000 @ A3

REV 00



Site boundary

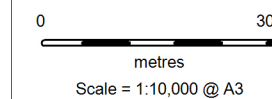


Rev	Date	Description	Drn	Chk	App
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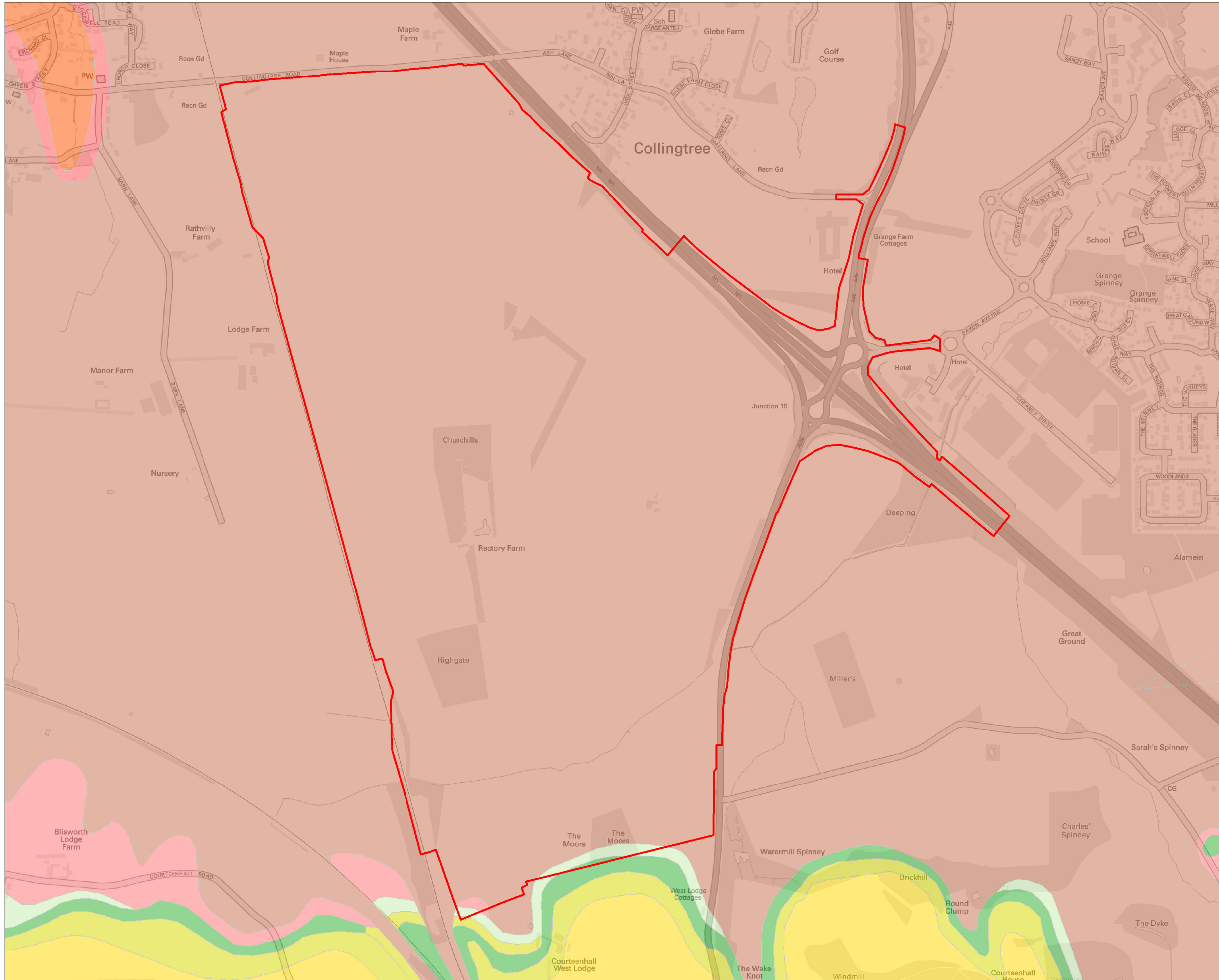
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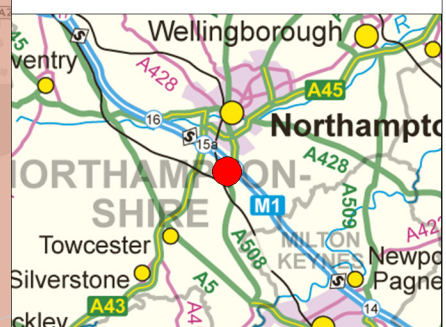
Figure 2  
Proposed Development Plan



REV 00



- Site boundary
- Solid Geology:**
- Blisworth Limestone Formation - Limestone
- Dyrham Formation - Siltstone and Mudstone, Interbedded
- Marlstone Rock Formation - Limestone, Ferruginous
- Northampton Sand Formation - Ironstone, Ooidal
- Rutland Formation - Mudstone
- Stamford Member - Sandstone and Siltstone, Interbedded
- Wellingborough Limestone Member - Limestone
- Whitby Mudstone Formation - Mudstone



Rev	Date	Description	Drn	Chk	App
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**M1 Junction 15**

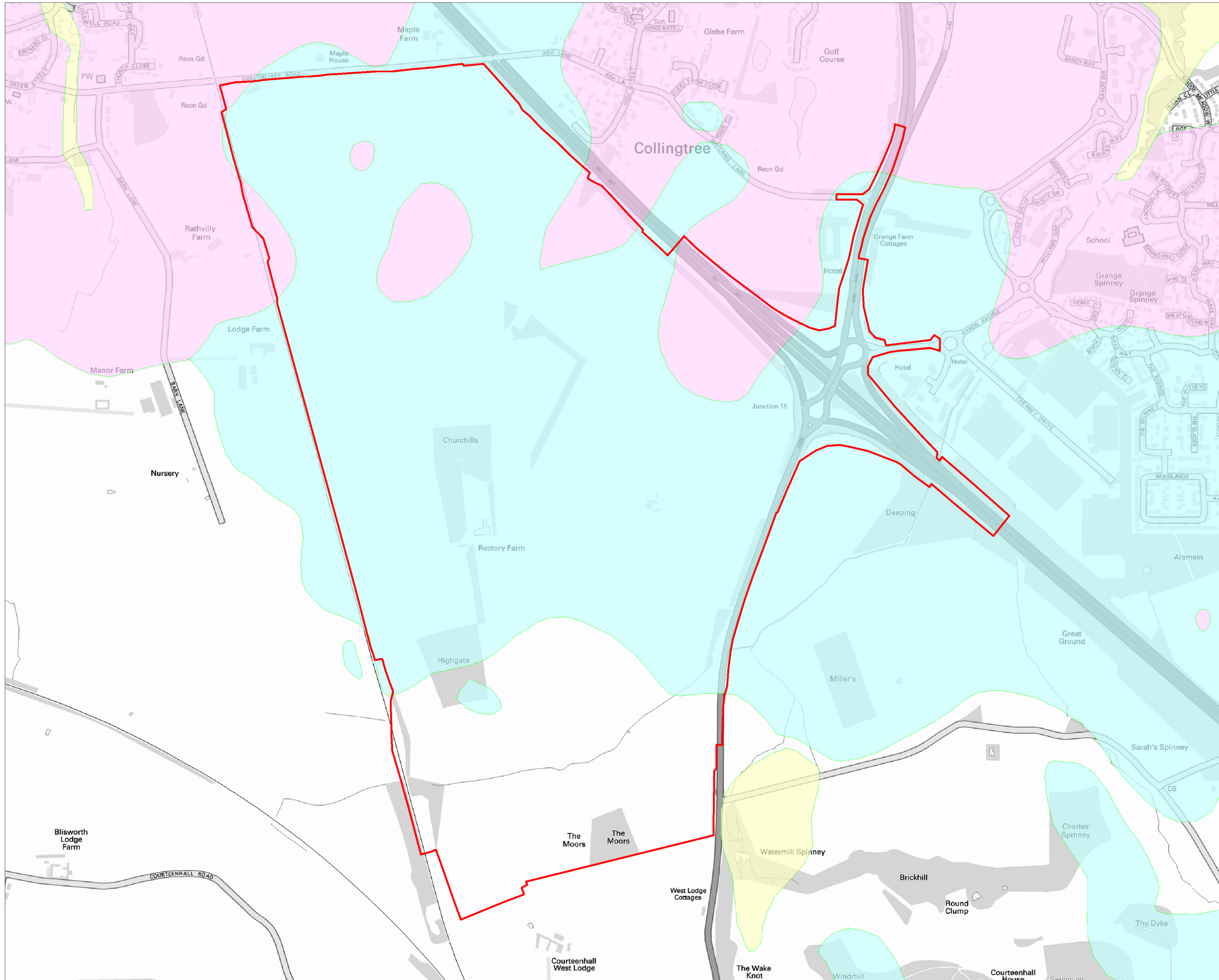


**Figure 3**  
Solid Geology Plan

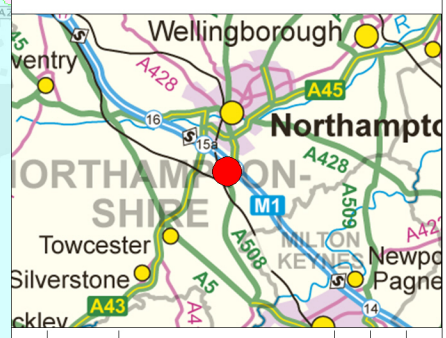
Scale : 1:10,000 @ A3

REV 00

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- Site boundary
- Drift Geology:**
- Alluvium - Clay, Silt, Sand & Gravel
- Glaciofluvial Deposits, Mid Pleistocene - Sand & Gravel
- Oadby Member - Diamicton
- Tufa - Tufa, Calcareous



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**M1 Junction 15**



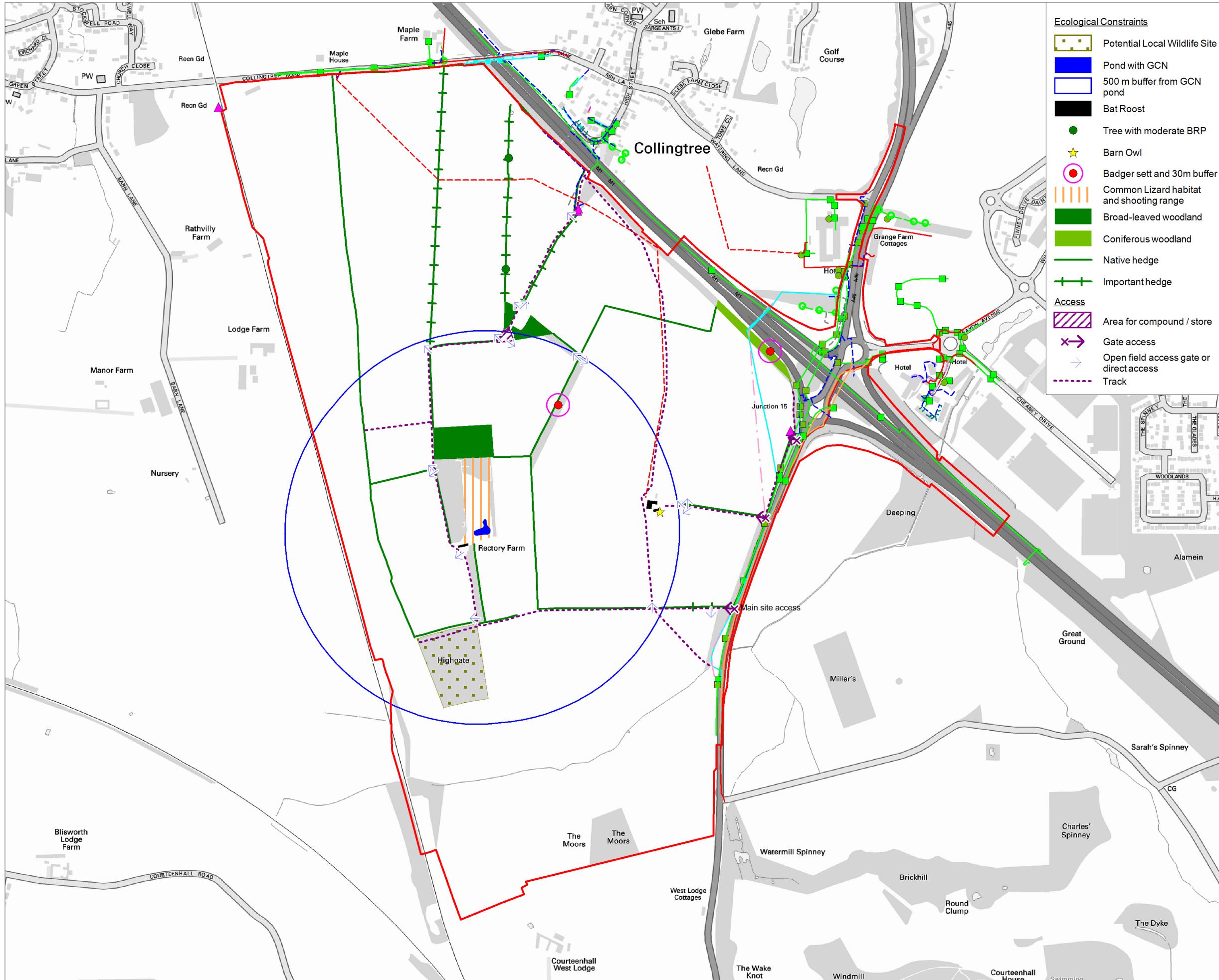
**Figure 4**  
Drift Geology Plan

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metres  
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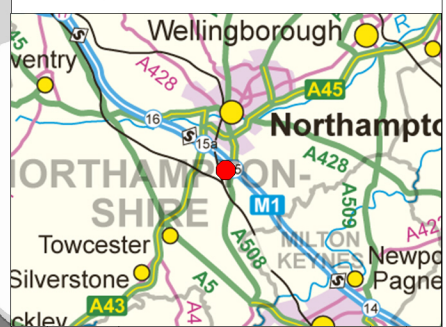
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- Ecological Constraints**
- Potential Local Wildlife Site
  - Pond with GCN
  - 500 m buffer from GCN pond
  - Bat Roost
  - Tree with moderate BRP
  - Barn Owl
  - Badger sett and 30m buffer
  - Common Lizard habitat and shooting range
  - Broad-leaved woodland
  - Coniferous woodland
  - Native hedge
  - Important hedge
- Access**
- Area for compound / store
  - Gate access
  - Open field access gate or direct access
  - Track

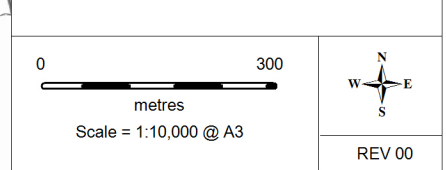
- Site boundary
- Services:**
- WPD - Electric**
- Existing underground 11kV cable
  - Existing underground LV mains cable
  - Existing underground LV service cable
  - Decommissioned LV cable
  - 1.1kV overhead line
- Anglian Water**
- Existing underground district main
  - Abandoned main
  - Foul sewer
- BT**
- Underground plant
  - Overhead plant and poles
  - Joint box
  - Distribution point
  - Manhole
- Cell Site**
- Cell site
- National Grid Gas**
- Existing underground LP mains
  - Existing underground MP mains
- Virgin Media**
- Underground duct route
- Contaminated Land Constraints**
- Shooting range
  - Farm buildings including tanks

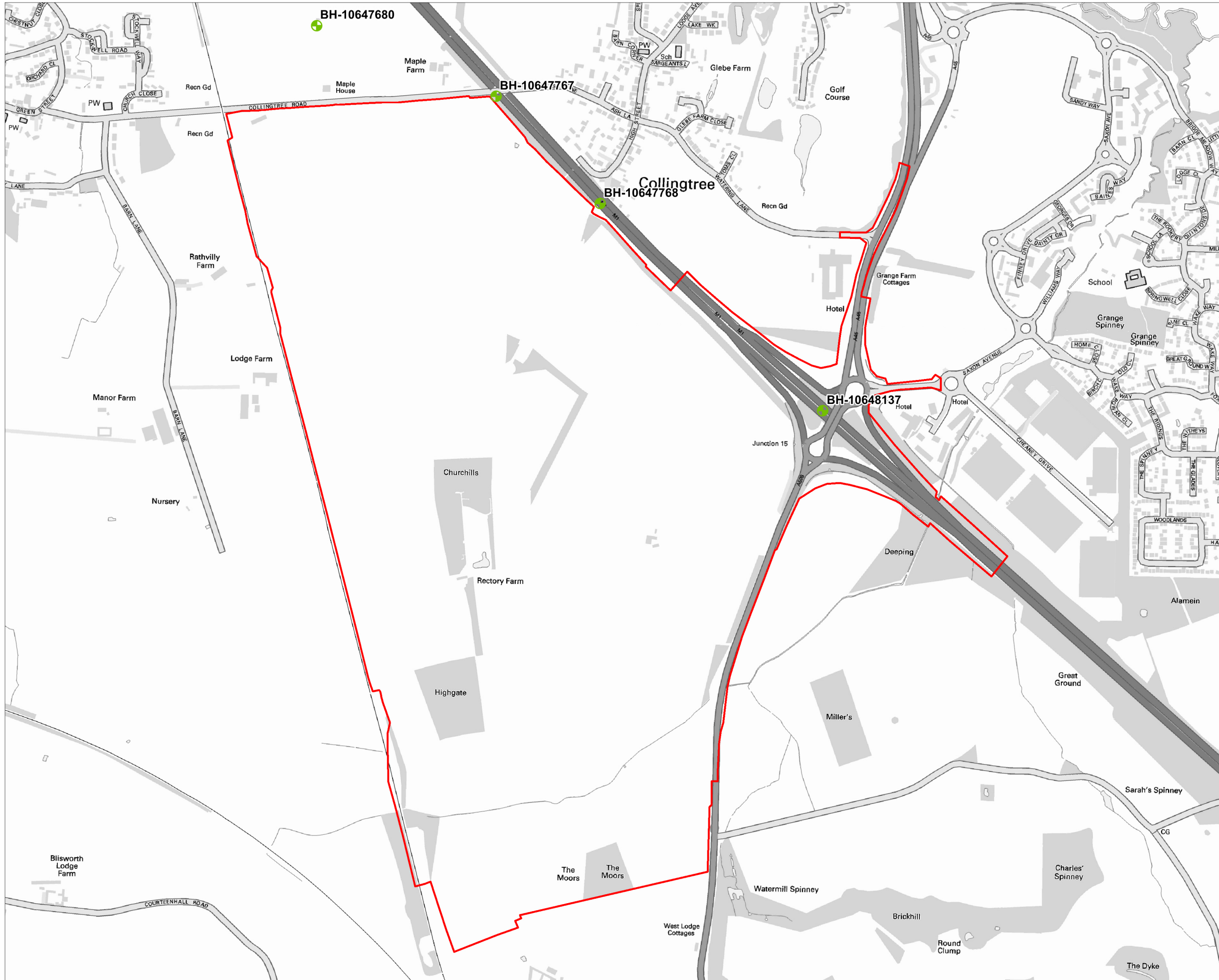


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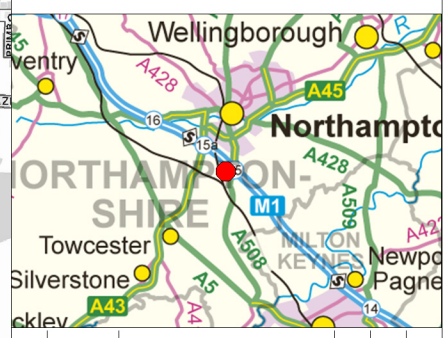
**M1 Junction 15**

Figure 5  
Hazards Plan





Site boundary  
 Exploratory Holes  
● Historic borehole



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**M1 Junction 15**



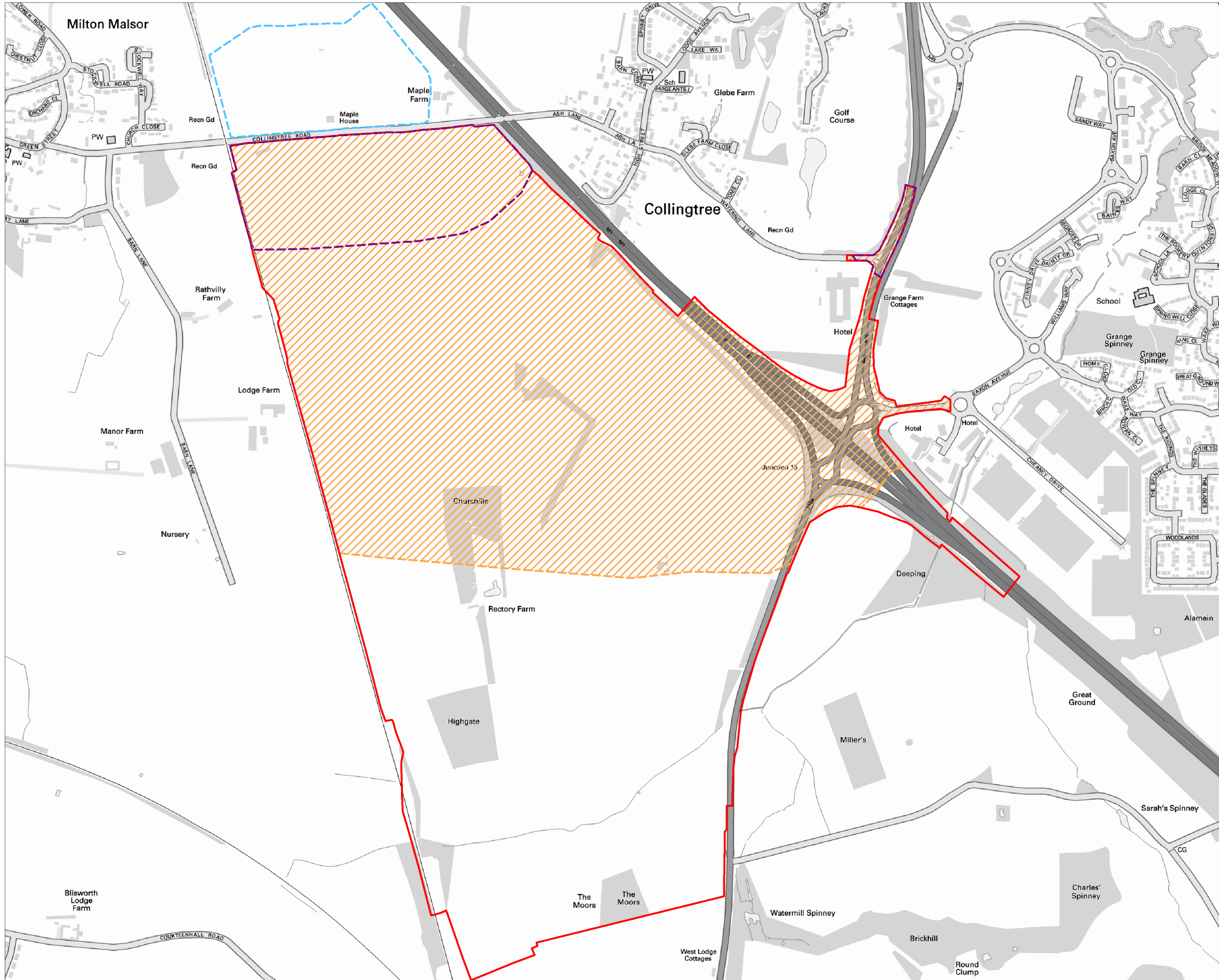
Figure 6  
Historical Borehole Location Plan

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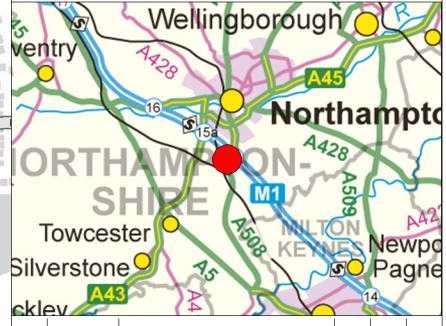
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- Site boundary
- Preventing land use conflict - buffer for allocated sites (Submission)
- Mineral Safeguarding and Consultation Areas (MSA & MCA)
- Sand and gravel allocations (submission)



Rev	Date	Description	Drn	Chk	App
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**M1 Junction 15**



Figure 7  
Mineral Safe Guard Plan

Scale = 1:10,000 @ A3

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Contains information derived from Northamptonshire Minerals and Waste Development Framework 2016



# APPENDIX A

## SERVICE CONSTRAINTS

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1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for Roxhill Developments Limited (the "client") in accordance with the terms of a contract between RSK and the "client", dated July 2014. The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.
2. Other than that expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
3. Unless otherwise agreed the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. **Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.**
4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK 's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date hereof, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a walk-over survey of the site together with RSK's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The Services are also based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely. The Services clearly are limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the walk-over survey. Further RSK was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.
8. The phase II or intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined borehole and soil vapour locations based on the operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information,] and it should not be inferred that other chemical species are not present.
9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site.

# **APPENDIX B**

## **SUMMARY OF LEGISLATION AND POLICY RELATING TO CONTAMINATED LAND**

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Part IIA of the Environmental Protection Act 1990 (EPA) and its associated Contaminated Land Regulations 2000 (SI 2000/227), which came into force in England on 1 April 2000, formed the basis for the current regulatory framework and the statutory regime for the identification and remediation of contaminated land. Part IIA of the EPA 1990 defines contaminated land as 'any land which appears to the Local Authority in whose area it is situated to be in such a condition by reason of substances in, on or under the land, that significant harm is being caused, or that there is significant possibility of significant harm being caused, or that pollution of controlled waters is being or is likely to be caused'. Controlled waters are considered to include all groundwater, inland waters and estuaries.

In August 2006, the Contaminated Land (England) Regulations 2006 (SI 2006/1380) were implemented, which extended the statutory regime to include Part IIA of the EPA as originally introduced on 1 April 2000, together with changes intended chiefly to address land that is contaminated by virtue of radioactivity. These have been replaced subsequently by the Contaminated Land (England) (Amendment) Regulations 2012, which now exclude land that is contaminated by virtue of radioactivity.

The intention of Part IIA of the EPA is to deal with contaminated land issues that are considered to cause significant harm on land that is not undergoing development (see Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance, April 2012). This document replaces Annex III of Defra Circular 01/2006, published in September 2006 (the remainder of this document is now obsolete).

### **Water Framework Directive (WFD)**

The Water Framework Directive 2000/60/EC is designed to:

- enhance the status and prevent further deterioration of aquatic ecosystems and associated wetlands that depend on the aquatic ecosystems
- promote the sustainable use of water
- reduce pollution of water, especially by 'priority' and 'priority hazardous' substances
- ensure progressive reduction of groundwater pollution.

The WFD requires a management plan for each river basin be developed every six years.

## **Groundwater Directive (GWD)**

The 1980 Groundwater Directive 80/68/EEC and the 2006 Groundwater Daughter Directive 2006/118/EC of the WFD are the main European legislation in place to protect groundwater. The 1980 Directive is due to be repealed in December 2013. The European legislation has been transposed into national legislation by regulations and directions to the Environment Agency.

## **Environmental Permitting Regulations (EPR)**

The Environmental Permitting (England and Wales) Regulations 2010 provide a single regulatory framework that streamlines and integrates waste management licensing, pollution prevention and control, water discharge consenting, groundwater authorisations, and radioactive substances regulation. Schedule 22, paragraph 6 of EPR 2010 states: ‘the regulator must, in exercising its relevant functions, take all necessary measures - (a) to prevent the input of any hazardous substance to groundwater; and (b) to limit the input of non-hazardous pollutants to groundwater so as to ensure that such inputs do not cause pollution of groundwater.’

## **Water Resources Act (WRA)**

The Water Resources Act 1991 (Amendment) (England and Wales) Regulations 2009 updated the Water Resources Act 1991, which introduced the offence of causing or knowingly permitting pollution of controlled waters. The Act provides the Environment Agency with powers to implement remediation necessary to protect controlled waters and recover all reasonable costs of doing so.

## **Priority Substances Directive (PSD)**

The Priority Substances Directive 2008/105/EC is a ‘Daughter’ Directive of the WFD, which sets out a priority list of substances posing a threat to or via the aquatic environment. The PSD establishes environmental quality standards for priority substances, which have been set at concentrations that are safe for the aquatic environment and for human health. In addition, there is a further aim of reducing (or eliminating) pollution of surface water (rivers, lakes, estuaries and coastal waters) by pollutants on the list. The WFD requires that countries establish a list of dangerous substances that are being discharged and EQS for them. In England and Wales, this list is provided in the River Basin Districts Typology, Standards and Groundwater threshold values (Water Framework Directive) (England and Wales) Directions 2010. In order to achieve the objectives of the WFD, classification schemes are used to describe where the water environment is of good quality and where it may require improvement.

## **Planning Policy**

Contaminated land is often dealt with through planning because of land redevelopment. This approach was documented in Planning Policy Statement: Planning and Pollution Control PPS23, which states that it remains the responsibility of the landowner and developer to identify land affected by contamination and carry out sufficient remediation to render the land suitable for use.



PPS23 was withdrawn early in 2012 and has been replaced by much reduced guidance within the National Planning Policy Framework (NPPF).

The new framework has only limited guidance on contaminated land, as follows:

- *“planning policies and decisions should also ensure that:*
  - *the site is suitable for its new use taking account of ground conditions and land instability, including from natural hazards or former activities such as mining, pollution arising from previous uses and any proposals for mitigation including land remediation or impacts on the natural environment arising from that remediation;*
  - *after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part IIA of the Environmental Protection Act 1990; and*
  - *adequate site investigation information, prepared by a competent person, is presented”.*

# APPENDIX C

## RISK ASSESSMENT METHODOLOGY

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CLR11 outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. Under CLR11, three stages of risk assessment exist: preliminary, generic quantitative and detailed quantitative. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) pollutant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in ‘significant harm’ as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in ‘Draft Circular on Contaminated Land’, DETR 2000)
- medium: chronic damage to human health (‘significant harm’ as defined in ‘Draft Circular on Contaminated Land’, DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem



- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the table below.

		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- Very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required.
- High: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term.
- Moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term.
- Low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild.
- Very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.



# **APPENDIX D PRELIMINARY CONTAMINATED LAND RISK ASSESSMENT MATRIX**

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### Contaminated Land Risk Assessment

In accordance with Environment Agency publication CLR 11 'Model Procedures for the Management of Land Contamination', a preliminary contaminated land risk assessment has been developed for the Site.

The risk assessment has been carried out using the risk model defined and outlined in the following table.

Potential sources have been identified from the desk study information and the guidance provided in EA publication CLR 8 'Potential Contaminants for the Assessment of Land'.

Hazard linkages will be determined by the proposed investigation and the risk re-assessed on the basis of the viability of the linkage.

If the hazard linkage is confirmed then remediation or management solutions will be proposed to ensure that no unacceptable risk remains following development.

	Category	Definition
Potential Severity	<b>Severe</b>	Acute risks to human health, catastrophic damage to buildings/property, major pollution of controlled waters
	<b>Medium</b>	Chronic risk to human health, pollution of sensitive controlled waters, significant effects on sensitive ecosystems or species, significant damage to buildings or structures
	<b>Mild</b>	Pollution of non sensitive waters, minor damage to buildings or structures
	<b>Minor</b>	Requirement for protective equipment during site works to mitigate health effects, damage to non sensitive ecosystems or species
Probability of Risk	<b>High Likelihood</b>	Pollutant linkage may be present, and risk is almost certain to occur in long term, or there is evidence of harm to the receptor
	<b>Likely</b>	Pollutant linkage may be present, and it is probable that the risk will occur over the long term
	<b>Low Likelihood</b>	Pollutant linkage may be present, and there is a possibility of the risk occurring, although there is no certainty that it will do so
	<b>Unlikely</b>	Pollutant linkage may be present, but the circumstances under which harm would occur are improbable

		Potential severity			
		<b>Severe</b>	<b>Medium</b>	<b>Mild</b>	<b>Minor</b>
Probability of Risk	<b>High Likelihood</b>	Very High	High	Moderate	Moderate/Low
	<b>Likely</b>	High	Moderate	Moderate/Low	Low
	<b>Low Likelihood</b>	Moderate	Moderate/Low	Low	Negligible
	<b>Unlikely</b>	Moderate/Low	Low	Negligible	Negligible

**Contaminated Land Risk Assessment (Conceptual Site Model)**

Source (type and location)	Pathway	Receptor	Initial Assessment from Desk Study Information			Proposed Investigation /Comments	Hazard Linkage	Revised Risk	Proposed Remediation / Management	Residual Risk
			Severity	Prob.	Risk					
Petroleum hydrocarbon compounds (petrol, diesel & oil) and associated volatile organic compounds within shallow soil / groundwater (associated with minor spills and releases within agricultural fields and the fuel tanks identified within the agricultural barn area)	Inhalation of vapour	Site workers	Medium	Unlikely	Low	Only potential source identified relates to the tanks identified around the derelict barns, although there is a potential for isolated areas of spills and leaks from agricultural machinery in other areas of the site.  Watching brief and testing to be undertaken during demolition and enabling works. Should any suspicious, unexpected strata, materials or Made Ground Materials be identified visually or by means of strange odours the advice of a specialist Geo-environmental engineer should be sought.  Watching brief and testing to be undertaken during site strip, demolition and enabling works. <b>General Ground Investigation to be undertaken</b> in areas not previously investigated to inform detailed design and to confirm these assumptions.  Identified Made Ground, or materials thought to be contaminated by visual or olfactory identification should be tested.  Where no Made Ground or visual or olfactory signs of contamination are identified a general screening of shallow near surface site soils should be undertaken.  Groundwater monitoring wells to be installed and where feasible groundwater samples to be taken and testing to confirm existing groundwater quality in areas not previously investigated.	TBC	TBC	To Be Confirmed Following Ground Investigation	TBC
		End users	Medium	Unlikely	Low		TBC	TBC		TBC
	Ingestion and absorption via direct contact	Site workers	Medium	Unlikely	Low		TBC	TBC		TBC
		End users	Medium	Unlikely	Low		TBC	TBC		TBC
	Migration by surface run-off	Surface water drainage	Medium	Unlikely	Low		TBC	TBC		TBC
	Migration by liquid flow	Surface water drainage	Medium	Unlikely	Low		TBC	TBC		TBC
		Aquifer	Medium	Unlikely	Low		TBC	TBC		TBC
Plant uptake	Local flora	Mild	Unlikely	Very Low	TBC	TBC	TBC			
Toxic & phytotoxic heavy metals and semi metals within shallow soil / groundwater (associated with the shooting range, use of fertilisers, soil improvement and potential past use of sewerage sludge)	Inhalation of fugitive dust	Site workers	Medium	Unlikely	Low	Only potential source of heavy metals identified relates to the shooting range (lead), although metals might result from certain soil improvement fertilisers and from the use of sewerage sludge's if ever used in the past.  While the shooting range itself was not investigated as part of the previous investigation, the area immediately around it was.  Some areas adjacent to the railway line may comprise made ground although as the railway is in cutting the made ground is likely to be re-deposited natural soil.  Slightly elevated naturally occurring arsenic may also be encountered within natural soils but is anticipated to be at concentrations below commercial end use values.  Watching brief and testing to be undertaken during site strip, demolition and enabling works. <b>General Ground Investigation to be undertaken</b> in areas not previously investigated to inform detailed design and to confirm these assumptions.  Identified Made Ground, or materials thought to be contaminated by visual or olfactory identification should be tested.  Where no Made Ground or visual or olfactory signs of contamination are identified a general screening of shallow near surface site soils should be undertaken.  Groundwater monitoring wells to be installed and where feasible groundwater samples to be taken and testing to confirm existing groundwater quality in areas not previously investigated.	TBC	TBC	To Be Confirmed Following Ground Investigation	TBC
		End users	Medium	Unlikely	Low		TBC	TBC		TBC
	Ingestion and absorption via direct contact	Site workers	Medium	Unlikely	Low		TBC	TBC		TBC
		End users	Medium	Unlikely	Low		TBC	TBC		TBC
	Migration by surface run-off	Surface water drainage	Medium	Unlikely	Low		TBC	TBC		TBC
	Migration in solution via groundwater	Surface water drainage	Medium	Unlikely	Low		TBC	TBC		TBC
		Aquifer	Medium	Unlikely	Low		TBC	TBC		TBC
Plant uptake	Local flora	Mild	Likely	Moderate/Low	TBC	TBC	TBC			
Fly Tipped Material	Ingestion and absorption via direct contact	Site workers	Medium	Unlikely	Low	Site walkover suggests there is no evidence of fly tipped material at the site although stockpiles of crushed concrete and brick are located in the centre of the site used for improving farm tracks.	TBC	TBC	TBC	
		End users	Medium	Unlikely	Low					

Source (type and location)	Pathway	Receptor	Initial Assessment from Desk Study Information			Proposed Investigation	Hazard Linkage	Revised Risk	Proposed Remediation / Management	Residual Risk
			Severity	Prob.	Risk					
Asbestos within Made Ground (associated with the derelict barns, hardcore tracks and stockpiles)	Inhalation of fugitive dust	Site workers	Medium	Low Likelihood	Moderate to Low	Possibility of asbestos in roofing at derelict farm buildings would need care when demolition is undertaken. This was noted to be in a reasonable state of repair during the previous investigation. Hardcore in tracks to be examined and tested too at enabling works stage. Watching brief and testing to be undertaken during demolition and enabling works.	TBC	TBC	To Be Confirmed Following Ground Investigation	TBC
		End users	Medium	Low Likelihood	Moderate to Low		TBC	TBC		TBC
Ground Gas from Made Ground and natural strata beneath the site or from nearby.	Migration in to excavations	Site workers	Severe	Unlikely	Moderate to Low	Site appears to be greenfield with no naturally occurring organic soils likely to be a potential source of soil gas. The previous investigation did not indicate any elevated concentrations of ground gases to be present in natural strata..No known adjacent potential sources of soil gas. Cohesive soils would prevent migration pathways on to the site. <b>General Ground Investigation to be undertaken</b> in areas not previously investigated to inform detailed design and to confirm the ground model these assumptions.	TBC	TBC	To Be Confirmed Following Ground Investigation	TBC
	Migration in to development	End Users	Severe	Unlikely	Moderate to Low		TBC	TBC		TBC
Aggressive substances (sulphates, acids, phenols, petroleum) in Shallow soils / groundwater	Direct contact with construction materials	Buried Structures	Medium	High Likelihood	High	Available data suggests the potential presence of naturally occurring high sulphates levels. Previous investigations have indicated that elevated concentrations of sulphates exist at the site in shallow soils. Development concrete mix designs to compensate for identified risks. <b>General Ground Investigation to be undertaken</b> in areas not previously investigated to inform detailed design and to confirm these assumptions.	TBC	TBC	To Be Confirmed Following Ground Investigation	TBC
		Buried Services	Medium	High Likelihood	High		TBC	TBC		TBC
Herbicides and Pesticides within shallow soil (associated with the arable fields)	Inhalation of vapour	Site workers	Medium	Unlikely	Low	Site is a modern arable farm. Modern arable farming should only utilise non persistent biodegradable safe pesticides and herbicides for crop production which are licensed and controlled. However, the use of environmentally persistent pesticides and herbicides may have historically been used in arable farming and as such the presence of widespread soil contamination by older uncontrolled and unlicensed persistent and dangerous herbicides and pesticides is considered possible though is unlikely. Ground Investigation testing did not reveal any elevated concentrations. <b>General Ground Investigation to be undertaken</b> in areas not previously investigated to inform detailed design and to confirm these assumptions.	TBC	TBC	To Be Confirmed Following Ground Investigation	TBC
		End users	Medium	Unlikely	Low		TBC	TBC		TBC
	Ingestion and absorption via direct contact	Site workers	Medium	Unlikely	Low		TBC	TBC		TBC
		End users	Medium	Unlikely	Low		TBC	TBC		TBC
	Migration by surface run-off	Surface water drainage	Medium	Unlikely	Low		TBC	TBC		TBC
		Migration by liquid flow	Surface water drainage	Medium	Unlikely		Low	TBC		TBC
	Aquifer		Medium	Unlikely	Low		TBC	TBC		TBC
Plant uptake	Local flora	Medium	Unlikely	Low	TBC	TBC	TBC			
Ground Gas migration from landfill 144m north.	Migration in to excavations	Site workers	Severe	Absent	Negligible	Currently active landfill located 144m north east of the site, beyond the current Junction 15. <b>Previous Ground Investigation has been undertaken and 4 monitoring visits to monitor soil gas and groundwater have been undertaken.</b> This monitoring confirms that no significant or elevated concentrations of harmful gases are present within the strata beneath the site.	TBC	TBC	To Be Confirmed Following Ground Investigation	TBC
	Migration in to development	End Users	Severe	Absent	Negligible		TBC	TBC		TBC



# **APPENDIX E PRELIMINARY GEOTECHNICAL RISK REGISTER**

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**Preliminary Geotechnical Risk Register**



The site covers an area of approximately 172Ha, the centre of which is defined by the following National Grid co-ordinates: 474940, 254715. The site is bound to the north east by the M1 motorway, to the south east by the A508 road and to the south west and north west by a railway.

**Geotechnical Risk Register**

The Geotechnical Risk Register has been compiled to show the degree of risk attached to various ground related aspects of the proposed development. The purpose of the register is to provide an assessment of the risk to the project posed by common ground related problems, and to identify suitable mitigation measures for the control of risk to an acceptable level. The risk register should be developed and refined as the geotechnical design and assessment progresses such that the register will allow the management of the geotechnical risks.

The inclusion of a risk in the register does not constitute confirmation that the problem actually exists at the site. A probability of 'very unlikely' is indicative of a condition which the available data suggests should not be present. The calculated risk is not the risk that the impact will occur it is the risk that the mitigation will be required to enable the project to progress. For the purposes of this risk register the magnitude of each impact and the resulting severity of risk is measured against that which would 'normally' be expected for each element. Before incorporation into a project risk register the impacts and risks for each element should be moderated by an assessment of the cost and time implication of individual mitigation measures.

The Geotechnical Risk Register has been developed in general accordance with the guidance presented in ICE/DETR Document 'Managing Geotechnical Risk' (2001) and the HA documents HD41/03 and HD22/02. The degree of risk (R) is determined by combining an assessment of the probability (P) of the hazard occurring with an assessment of the Impact (I) the hazard and associated mitigation will cause if it occurs (R = P x I). The scale against which the probability and impact are measure and the resulting degree of risk determined is presented below.

Probability	(P)	X	Impact	(I)	=	(R)	Risk
Very Likely (VLk)	5		Very High (VH)	5		20 – 25	Severe (Sv)
Likely (Lk)	4		High (H)	4		15 – 19	Substantial (Sb)
Plausible (P)	3		Medium (M)	3		10 – 14	Moderate (Md)
Unlikely (U)	2		Low (Lw)	2		5 – 9	Minor (Mn)
Very Unlikely (VU)	1		Very Low (VLw)	1		1 – 4	None / Negligible (N)

	Site / Ground Conditions	Hazard	Potential Impact	Before Control			Comments and Proposed Mitigation	RR
				P	I	R		
Contaminated Land	Previous site use	Contaminated Ground	Health and safety, environmental damage, pollution requiring Remediation	U 2	H 3	Mn 6	The site appears to be primarily greenfield with the exception of a small areas around the the gun club and the derelict barns, and only negligible amounts of Made Ground are likely in localised areas. <b>Supplementary Ground Investigations will be required in due course on inaccessible and uninvestigated areas.</b> See seperate Contaminated Land Risk Assessments for further details.	TBC
Underground Voids	Mine Shafts	Shaft Collapse	Surface deformation, structural damage. Health and Safety	VU 1	H 4	N 4	Site is not within mining area as defined on Coal Authority (CA) gazeteer and web site. Previous investigation confirmed geology, and this confirms neglible risks.	TBC
	Shallow Mining	Workings Collapse crown holes, subsidence	Surface deformation, structural damage.	VU 1	H 4	N 4	Site is not within mining area as defined on Coal Authority (CA) gazeteer and web site. Previous investigation confirmed geology, and this confirms neglible risks.	TBC
	Deep Mining	Workings Consolidation, subsidence	Surface deformation	VU 1	M 3	N 3	Site is not within mining area as defined on Coal Authority (CA) gazeteer and web site. Previous investigation confirmed geology, and this confirms neglible risks.	TBC
	Natural cavities; solution features, Caves and Gulls	Unstable natural ground	Surface deformation, structural damage. Health and Safety	VU 1	M 3	N 3	Geology not conducive to the formation of solution features.	TBC
	Other voids; basements, sumps, tanks, wells and adits etc.	Collapse, subsidence	Surface deformation, structural damage. Health and Safety	P 3	Lw 2	Mn 6	The vast majority of the site is undisturbed farm land. There is a recessed concrete tank located within the derelict farm buildings at the site, although the walkover has not indicated any other possible voids, man made or otherwise, at the site. <b>Vigilance required during construction works in order to ensure tank is appropriately remediated and backfilled.</b>	TBC



	Condition	Hazard	Impact	P	I	R	Comment / Mitigation	RR
<b>Slopes and Earthworks</b>	Existing steep slopes on site	Slope failure	Site stability; surface deformation at crest, structural damage to services , highways and adjoining property.	VLk 5	H 4	Sv 20	A deep railway cutting is located adjacent to the western edge of the site currently stable and showing no sign of instability from the limited access available when viewing from public rights of way and footbridge. It is anticipated that some form of earth screening bund is to be positioned at the western extent of the site which could add load to the existing railway cutting slope. <b>Supplementary Ground Investigations will be required to confirm the ground model and strata properties beneath the embankment footprints to allow assessment of settlement and slope stability to be undertaken.</b>	TBC
	Gradient on site	Earthworks or retaining walls required to accommodate layout	Increased cost of development	VLk 5	H 4	Sv 20	Significant cut to fill earthworks will be required to develop the site to form the proposed development plateau, landscape bund, rail head and access roads. Therefore significant slopes may be created as part of the finished design. Drainage will be important in the design of these slopes. <b>Supplementary Ground Investigations will be required to confirm the ground model and strata properties at specific engineering features including slopes to facilitate detailed design and earthworks specifications to be developed.</b>	TBC
	As-dug cut material unsuitable as fill	Unstable earthworks	Surface deformation, structural damage	P 3	H 4	Md 12	It is anticipated that the majority of materials within the cut areas will be suitable for reuse, however these materials are expected to be sensitive to moisture content change and could be wet of optimum allowable ranges to allow structural reuse. Therefore soils may need modification or stabilisation in structural fill areas and will need careful handling throughout the works. Preliminary ground investigations have confirmed soil strata classification and properties, <b>Supplementary Ground Investigation maybe required to confirm specific strata properties for detailed design and to investigate areas previously not investigated..</b>	TBC
	Embankment Stability	Slope failure	Site stability; surface deformation at crest, structural damage to services , highways and adjoining property.	P 3	VH 5	Sb 15	Embankments will need to be carefully designed and will need to accommodate suitable side slope angles, drainage systems and foundations. <b>Supplementary Ground Investigations will be required to confirm the ground model and strata properties beneath the embankment footprints to allow assessment of settlement and slope stability to be undertaken.</b>	TBC
	Cutting Stability	Slope failure	Site stability; surface deformation at crest, structural damage to services , highways and adjoining property.	P 3	VH 5	Sb 15	Slopes will need to be carefully designed and will need to accommodate suitable drainage systems. <b>Supplementary Ground Investigations will be required to confirm the ground model and strata properties at cuttings to allow assessment of slope stability to be undertaken.</b>	TBC
	Insufficient suitable fill	Import required to achieve design levels	Increased cost of development	P 3	H 4	Md 12	A careful cut to fill balance should be achieved to avoid the unnecessary importation of fill materials. <b>Preliminary ground investigations have confirmed soil strata classification and properties, Supplementary Ground Investigation maybe required to confirm specific strata properties for detailed design and to investigate areas previously not investigated.</b>	TBC

	Condition	Hazard	Impact	P	I	R	Comment / Mitigation	RR
Foundations & Substructures	Loose or soft, compressible soils at shallow depth	Ground unsuitable for conventional shallow footings	Excess settlement or alternative foundations	P 3	H 4	Md 12	Anticipated geology is not anticipated to be particularly susceptible to significant risks of settlement. <b>Preliminary ground investigations have confirmed soil strata classification and properties, Supplementary Ground Investigation maybe required to confirm specific strata properties for detailed design and to investigate areas previously not investigated.</b>	TBC
	Adjacent Structures	Works on site affecting stability of adjacent structures	Alternative design or altered development layout.	P 3	H 4	Md 12	No buildings immediately adjacent to the site. However the design of cuttings in the north and embankment fill along the west will need to be suitably robust and take account of the proximity and loading from or on to the M1 and A508 and railway cuttings. <b>Preliminary ground investigations have confirmed soil strata classification and properties, Supplementary Ground Investigation maybe required to confirm specific strata properties for detailed design and to investigate areas previously not investigated.</b>	TBC
	Differential Settlement	Settlements / heave beneath buildings as a result of cut to fill works.	Damage to floors and structures.	P 3	H 4	Md 12	Careful design has to be undertaken to smooth the transition from cut in situ materials to engineered fill materials. Foundation and floor slab designs will need to take account of the transition and differing solutions may need to be adopted across the building footprint. Floor slabs and ground engineering solutions will need to be carefully designed to accommodate this risk. <b>Design will need to take account of specification for earthworks which may need to include soil stabilisation improvement. Any stabilisation needs to take account of the risk of heave from the presence of naturally occurring high sulphate concentrations in the soils.</b>	TBC
	Aggressive Ground Chemistry	Attack of buried concrete	Protection required	Lk 4	M 3	Md 12	Available information suggests that gypsum a naturally occurring sulphate could be present within several strata beneath the site and this will require more resistant concrete mix designs to be used to protect in ground concrete from attack. Preliminary ground investigations have confirmed soil strata classification and properties, <b>Supplementary Ground Investigation maybe required to confirm specific strata properties for detailed design and to investigate areas previously not investigated.</b>	TBC

	Condition	Hazard	Impact	P	I	R	Comment / Mitigation	RR
Floor slabs and Road Pavements	Soft and compressible near surface soil	Ground unsuitable for conventional ground bearing slab	Alternative floor design	U 2	M 3	Mn 6	Careful design has to be undertaken to smooth the transition from cut insitu materials to engineered fill materials. Foundation and floor slab designs will need to take account of the transition and differing solutions may need to be adopted across the building footprint. Floor slabs and ground engineering solutions will need to be carefully designed to accomadate this risk. Design will need to take account of specification for earthworks which may need to include soil stabilisation improvement. Any stabilisation needs to take account of the risk of heave from the presence of naturally occuring high sulphate concentrations in the soils.	TBC
	Soft and compressible near surface soil	Low CBR due to soft formation	Surface damage or alternative design	U 2	M 3	Mn 6	CBR is anticipated to be low for the predominatly cohesive soils expected to be present across the site. CBR will be highly dependent upon ground conditions exposed following completion of earthworks and as such will depend upon earthworks specification and prevailing weather conditions. <b>Ground Investigation is required to confirm the ground model and strata properties.</b>	TBC
	Frost susceptible soils	Frost Heave	Surface damage or alternative design	P 3	M 3	Mn 9	Final floor slabs and road pavement construction thickness design should incorporate this risk.	TBC
Drainage & Flooding	High permeability Strata	Ineffective storm water attenuation ponds/water & ecology features	Ponds need lining if required to retain water.	U 2	M 3	Mn 6	Shallow soils across the majority of the site are anticipated to be cohesive and are likely to retain water. Locally granular soils may be present and may allow groundwater to percolate away. <b>Preliminary ground investigations have confirmed soil strata classification and properties, Supplementary Ground Investigation maybe required to confirm specific strata properties for detailed design and to investigate areas previously not investigated.</b>	TBC
	Low Permeability Strata	Ineffective soakaways	Alternative drainage required	VLk 5	M 3	Sb 15		TBC
	High groundwater	Effects plateau and cutting levels & foundation designs, in particular cutting depths.	Alternative vertical alignment/plataeu levels required affecting cut fill balance feasibility	Lk 4	H 4	Sb 16	The site is generally underlain by low permeability, unproductive strata (Oadby Member and Whitby Mudstone Formation), alotough, shallow perched groundwater may be present within the Glaciofluvial Deposits in the north and north east of the site, where the areas of deepest cutting are proposed.Preliminary ground investigations have confirmed general but variable groundwater tables, <b>Supplementary Ground Investigation maybe required to confirm specific strata properties for detailed design and to investigate areas previously not investigated.</b>	TBC
	Embankment earthworks and cutting slopes will require drainage.	Insufficient attenuation soakaways/ponds to accommodate earthworks drainage	Flooding	Lk 4	M 3	Md 12	Drainage designs to accommodate expected drainage from earthworks slopes and cutting drains in addition to hardstandings and highways surface water run off.	TBC
	Local watercourse	Flooding	Flood protection required	P 3	H 4	Md 12	The site is not located within an area at risk of flooding, however specialist flood risk assessment and drainage designs will be required.	

	Condition	Hazard	Impact	P	I	R	Comment / Mitigation	RR
<b>Temporary Works &amp; Construction Issues</b>	Loose or unstable strata at shallow depth	Excavation Instability	Collapse or support required. Health and safety	Lk 4	H 4	Sb 16	The majority of strata expected to be present across the site are anticipated to be generally stable in the short term during excavation. The more granular deposits in the very north and at depth are unlikely to be stable and instability would be exacerbated by the presence of groundwater. Should man entry be required suitable support or battering back of excavation sides will be required and atmospheres will need to be tested. <b>Preliminary ground investigations have confirmed soil strata classification and properties, Supplementary Ground Investigation maybe required to confirm specific strata properties for detailed design and to investigate areas previously not investigated.</b>	TBC
	Hard Strata / obstructions at shallow depth	Hard Digging / Hard driving	Increase cost and delay	P 3	M 3	Mn 9	Hard strata in the form of bedrock mudstones may be present at depth within the solid geology and could be encountered as part of the major earthworks. <b>Preliminary ground investigations have confirmed soil strata classification and properties, Supplementary Ground Investigation maybe required to confirm specific strata properties for detailed design and to investigate areas previously not investigated.</b>	TBC
	Presence of UNRECORDED sensitive underground services.	Damage during works posing risk to H&S of personnel and public	Increased cost of delay and for unplanned diversions and protection or repair.	U 2	H 4	Mn 8	Vigilance throughout works. Ensure up to date service drawings are obtained and site is scanned before works commence.	TBC
	Shallow Groundwater	Inundation of Excavations	Increase cost and delay. Health and safety	Lk 4	H 4	Sb 16	Shallow groundwater tables are anticipated to be possible within the shallow Glaciofluvial Deposits in the east and southern parts of the site. Discrete confined groundwater tables may be expected to be present within the more permeable bands throughout the Oadby Member deposits beneath the site and could be intersected by deep cuttings and earthworks. <b>Preliminary ground investigations have confirmed variable groundwater levels, Supplementary Ground Investigation maybe required to confirm specific strata properties for detailed design and to investigate areas previously not investigated.</b>	TBC
	Contaminated Ground	Precautions for Groundworkers	Increase cost and delay. Health and safety	U 2	M 3	Mn 6	Vigilance throughout works. Seek advice of Environmental Engineer if any identified unusual odourous or visually contaminated materials encountered. <b>Ground Investigation is required to confirm the ground model and strata properties.</b>	TBC
	Contaminated Ground	Increased Disposal Costs	Increase cost and delay. Health and safety	U 2	M 3	Mn 6		

Note: The register only considers geotechnical risk other risks may be present on site, including in-ground risks such as; ecology, archaeology, buried services, UXO etc., which are outside the scope of this assessment.

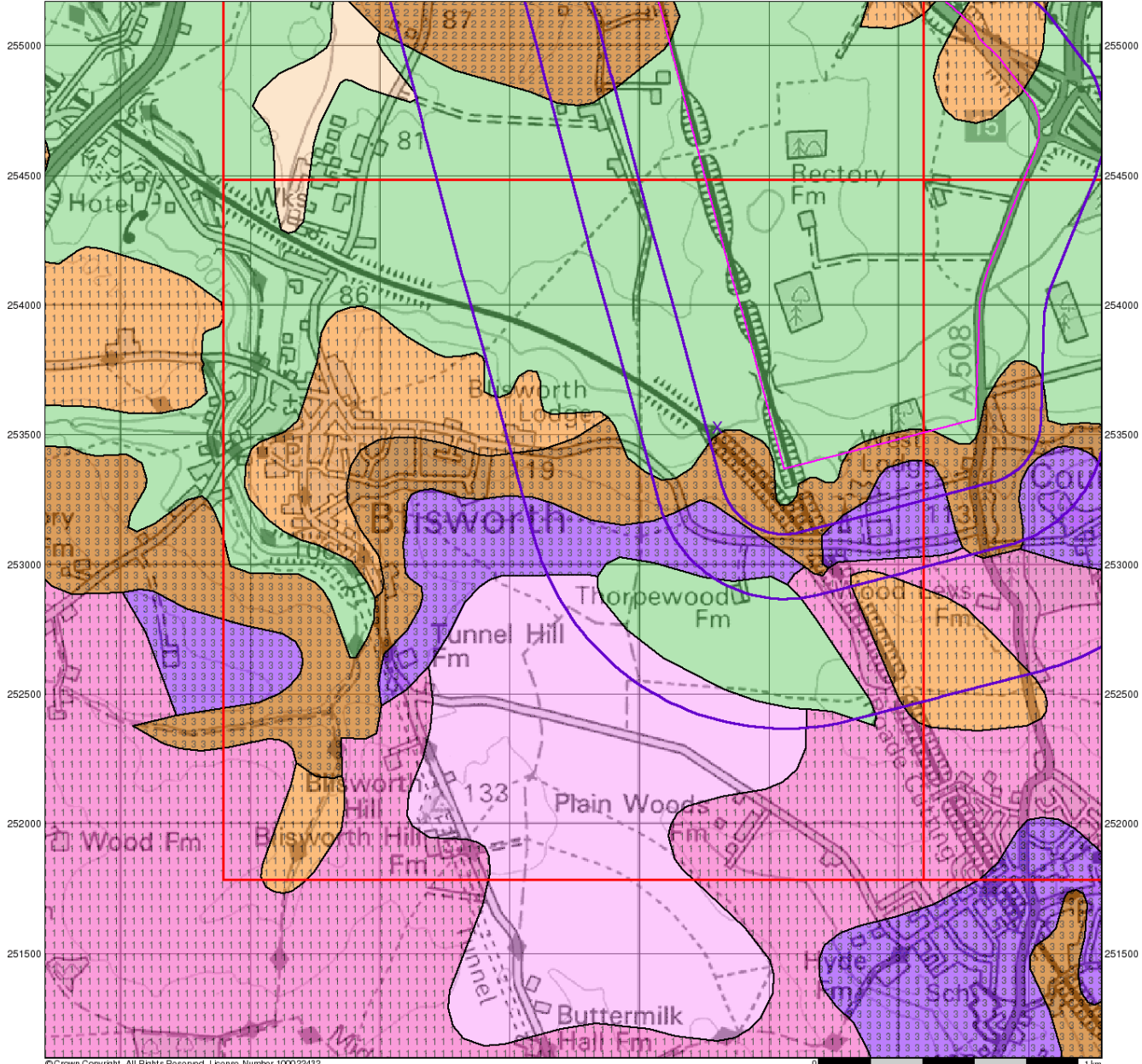


# **APPENDIX F**

## **ENVIRONMENTAL DATABASE INFORMATION**

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472000 472500 473000 473500 474000 474500 475000 475500



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0 1 km



## Groundwater Vulnerability

### General

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

### Agency and Hydrological

#### Geological Classes

**Major Aquifer (Highly Permeable)**

- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low

**Minor Aquifer (Variably Permeable)**

- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low

**Non Aquifer (Negligibly Permeable)**

- Non Aquifer (Negligibly Permeable)

**Water or Sea**

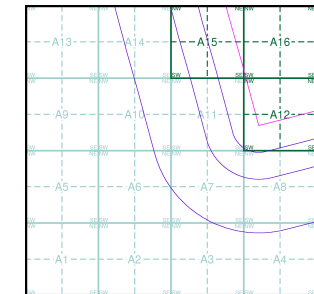
- Water or Sea

**Drift Deposit**

- Drift Deposit

#### Soil Classes

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

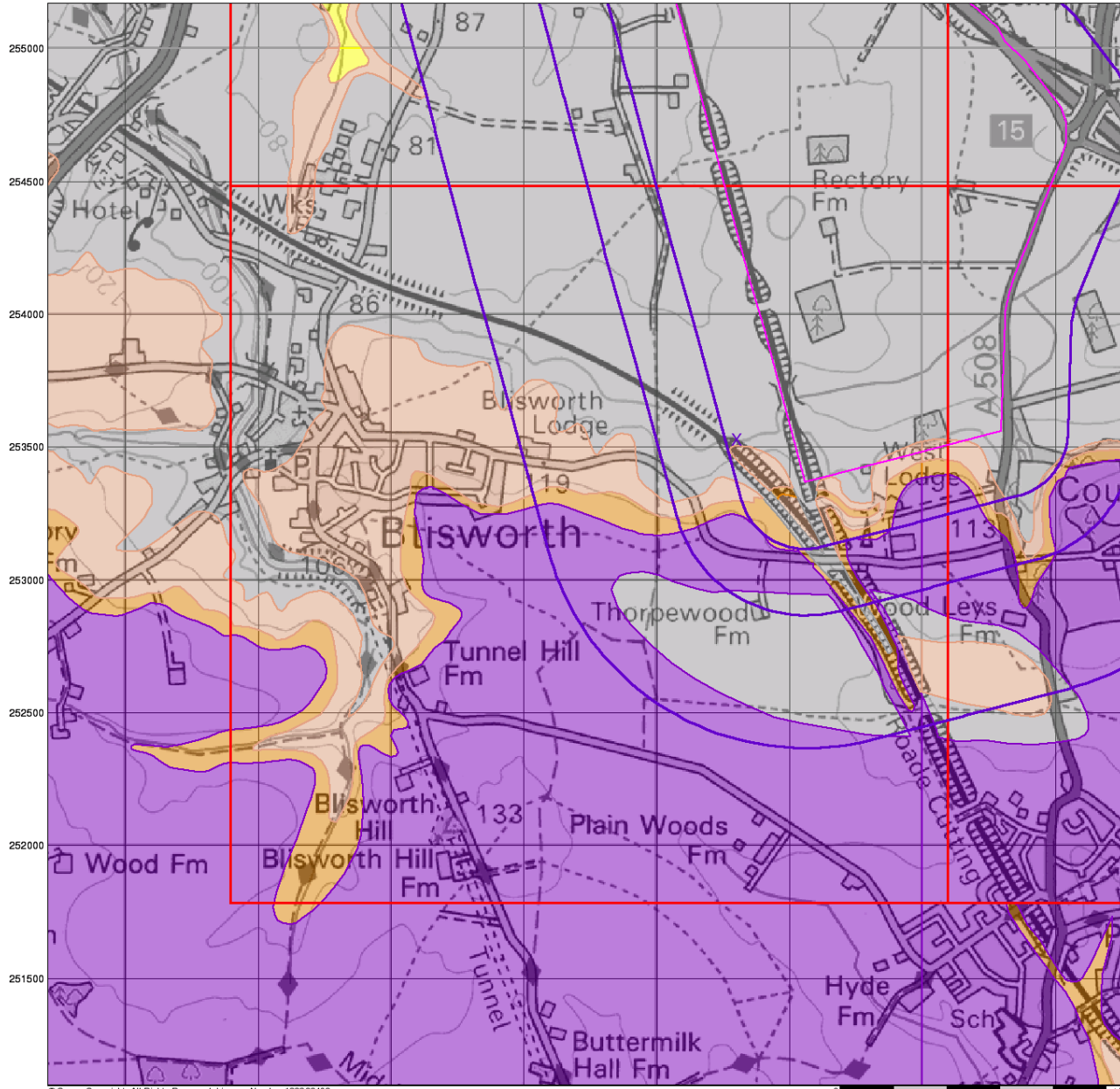
### Site Details

M1 Junction 15, NORTHAMPTON



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

472000 472500 473000 473500 474000 474500 475000 475500



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0 1 km



## Bedrock Aquifer Designation

### General

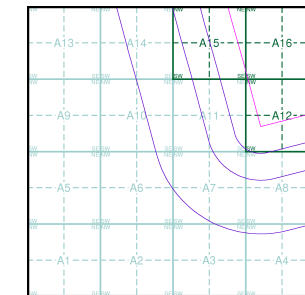
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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

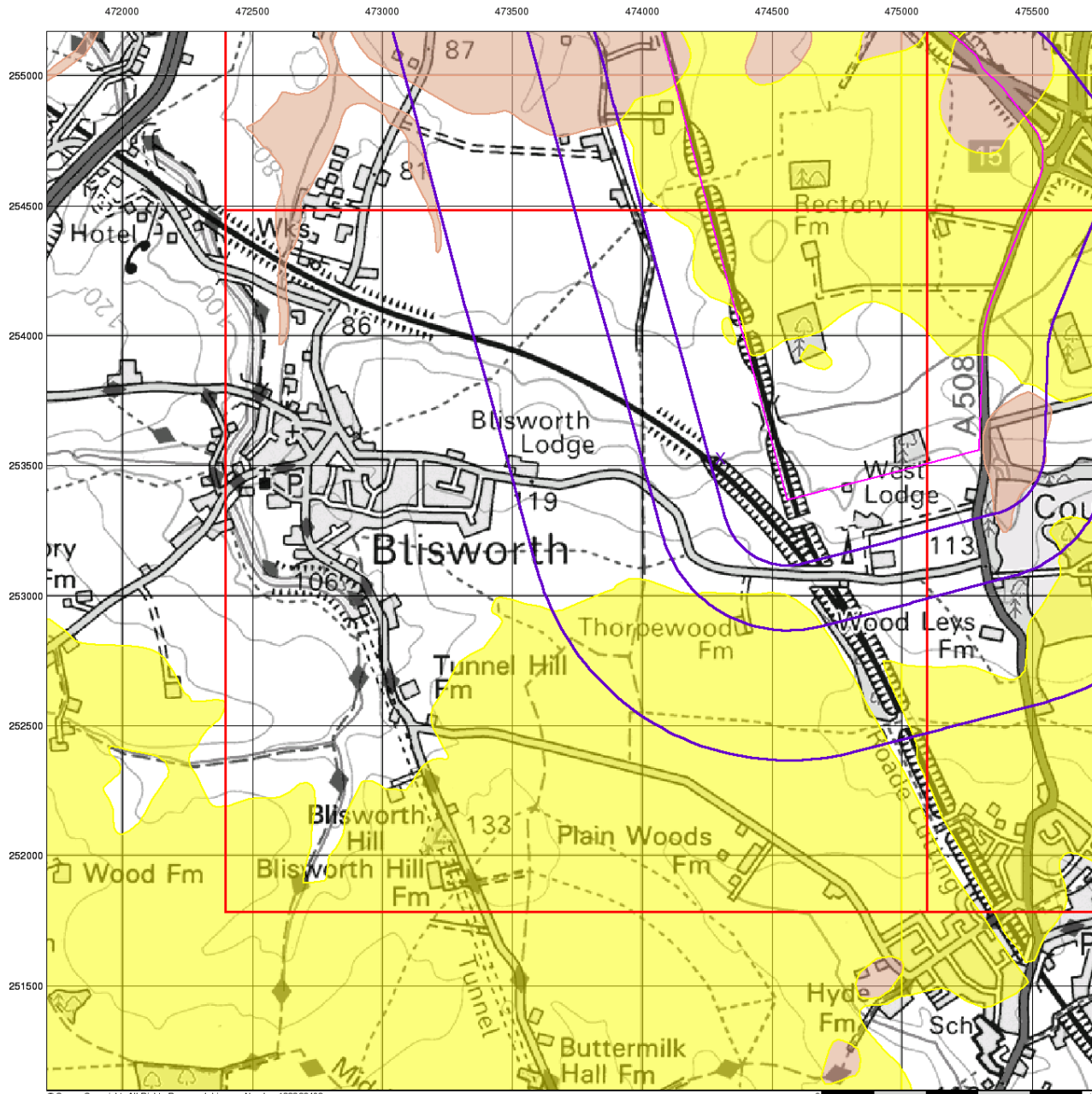
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 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



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



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## Superficial Aquifer Designation

### General

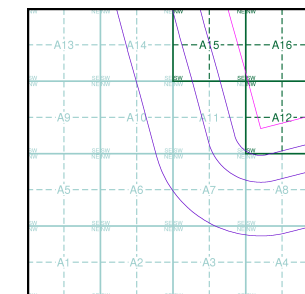
- Specified Site
- Slice
- Specified Buffer(s)
- Map ID
- Bearing Reference Point

### 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: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

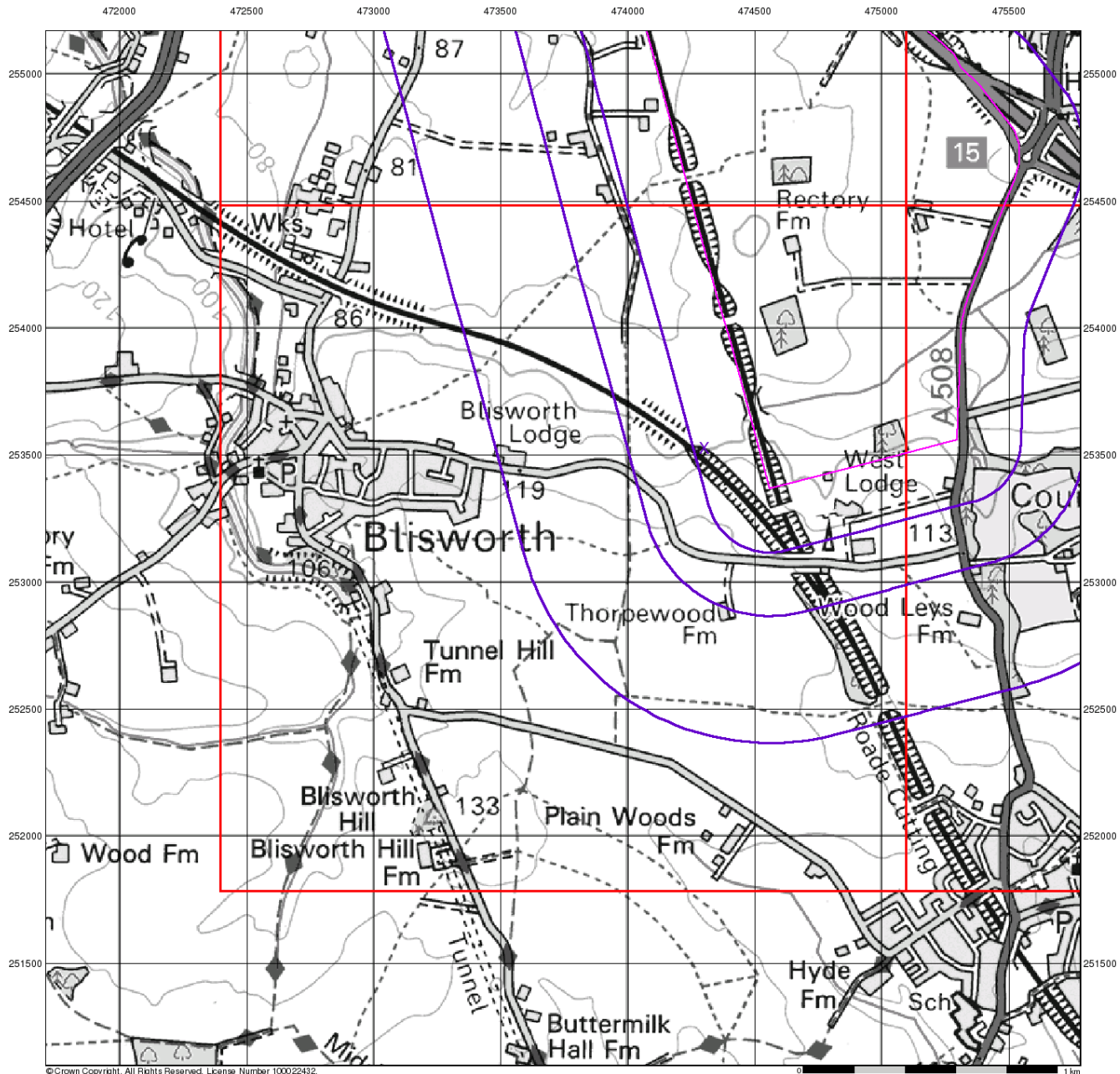
### Site Details

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## Source Protection Zones

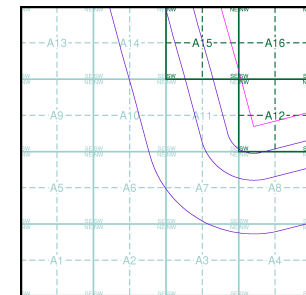
### General

- 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)
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details

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0 1km



## Sensitive Land Uses

### General

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

### Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

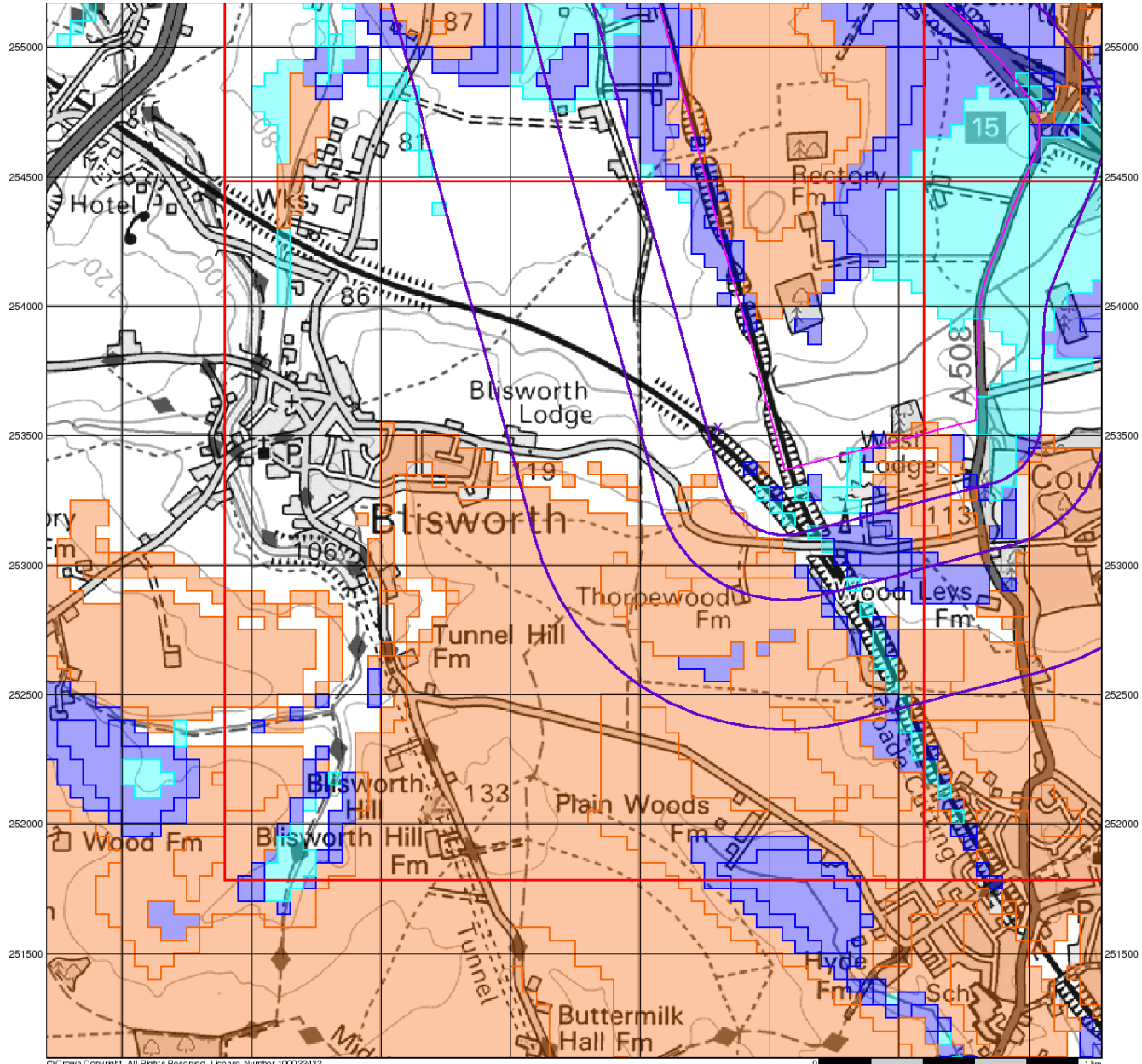
### Site Details

M1 Junction 15, NORTHAMPTON



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 Fax: 0844 844 9951  
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0 1 km



**BGS Flood GFS Data**

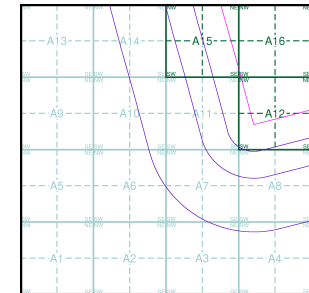
**General**

- 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: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



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

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

90632639\_1\_1

**Customer Reference:**

313418

**National Grid Reference:**

474300, 253530

**Slice:**

A

**Site Area (Ha):**

222.18

**Search Buffer (m):**

1000

#### Site Details:

M1 Junction 15  
NORTHAMPTON

#### Client Details:

Mrs D Martin  
RSK Environment Ltd  
Abbey Park  
Humber Road  
Coventry  
CV3 4AQ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	10
Hazardous Substances	-
Geological	11
Industrial Land Use	15
Sensitive Land Use	16
Data Currency	17
Data Suppliers	21
Useful Contacts	22

## Introduction

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

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

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## Report Version v50.0

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	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 6		1	2	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		Yes			
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 7				1
Water Industry Act Referrals					
Groundwater Vulnerability	pg 8	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Source Protection Zones					
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
Detailed River Network Lines	pg 9	Yes	Yes		n/a
Detailed River Network Offline Drainage	pg 9		Yes		n/a

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	pg 10			1	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 10	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 10				2
Registered Landfill Sites	pg 10				1
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					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 11	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 11				4
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 12	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 12	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 13	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 14	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 14	Yes	n/a	n/a	n/a

<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m</b>	<b>501 to 1000m (*up to 2000m)</b>
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 15				2
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
<b>Sensitive Land Use</b>					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 16	1		1	
Ramsar Sites					
Sites of Special Scientific Interest	pg 16		1		
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	0	1	474650 253850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	474650 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SW (N)	0	1	474450 253950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (E)	0	1	474900 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	474300 254500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	0	1	474300 254300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	475500 254550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	0	1	474400 254000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	0	1	474650 254000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	0	1	474301 254400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NW (NE)	0	1	474750 254400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	0	1	474301 254250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	474301 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NW (N)	0	1	474450 254250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	0	1	474400 253900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (E)	0	1	474850 253450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (E)	0	1	474950 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	475200 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	0	1	474850 254150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	475000 254500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (E)	0	1	475000 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A16SE (NE)	0	1	474900 254100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	0	1	474700 254050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	475500 254750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	0	1	475500 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	0	1	474301 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	0	1	474350 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	0	1	474750 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (NE)	0	1	474800 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A16SE (NE)	0	1	475000 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SE (E)	0	1	474800 253450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	0	1	475500 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	474100 254600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	474250 254600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	474900 254600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	0	1	475450 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	475250 255100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	474750 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	475000 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	474950 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	475000 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	474150 255150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	474200 255150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	474850 255050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	474150 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	474200 254500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	474200 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	474250 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	4	1	474900 253450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	8	1	475550 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	17	1	475550 254750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	19	1	474100 254500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	24	1	474301 254000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	26	1	475500 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	32	1	475200 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	35	1	475550 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SW (SE)	40	1	474650 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SW (SE)	48	1	474450 253400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	58	1	475600 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15NE (N)	62	1	474200 254400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	65	1	475600 254750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	65	1	474950 253400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	66	1	475550 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SW (SE)	68	1	474500 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SW (SE)	76	1	474600 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	78	1	475000 253400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	85	1	474150 254500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	87	1	475600 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SW (SE)	89	1	474450 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	91	1	473900 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (SE)	97	1	474400 253400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SW (SE)	100	1	474700 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	101	1	474900 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	108	1	475650 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	114	1	474950 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SW (SE)	118	1	474500 253250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	129	1	475200 253400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (E)	150	1	474900 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	158	1	475700 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (E)	162	1	474950 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	164	1	475450 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SW (SE)	167	1	474550 253200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	181	1	474050 254500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	190	1	475250 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	191	1	475700 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	197	1	475600 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	213	1	473900 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	221	1	475450 253400

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	A12SE (E)	223	1	475000 253250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	231	1	475500 253450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (S)	231	1	474301 253250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A12SW (SE)	233	1	474650 253150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SW (SE)	234	1	474700 253150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	238	1	475250 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	242	1	475550 253850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	251	1	475300 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (S)	255	1	474300 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	258	1	475500 253400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	260	1	475550 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SE)	268	1	474500 253100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	279	1	475400 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NW (SE)	294	1	474700 253100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	297	1	473800 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (S)	303	1	474250 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	310	1	473750 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	326	1	475400 253250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (SW)	364	1	474200 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	367	1	475700 255150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	367	1	474800 253050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	368	1	475000 253100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	370	1	474600 253000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	390	1	475700 253900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	406	1	473650 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	408	1	473750 254750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	409	1	475350 253150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	417	1	475000 253050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (S)	418	1	474301 252950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	426	1	473550 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	427	1	474650 252950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	429	1	475050 253050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (SE)	464	1	474800 252950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SE)	488	1	474700 252900
1	<b>Discharge Consents</b> Operator: Courteenhall Farms Property Type: Arable Farming Location: West Lodge Farm Courteenhall Road, Courteenhall, Northampton, Nn7 2qb Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Gwnlf40195 Permit Version: 1 Effective Date: 31st March 1999 Issued Date: 17th January 2001 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Agricultural And Surface Discharge Environment: Land/Soakaway Receiving Water: Groundwater <b>Status: Deemed Groundwater Regulations Authorisation</b> Positional Accuracy: Located by supplier to within 10m	A12SE (E)	65	2	474950 253400
2	<b>Discharge Consents</b> Operator: Roger R Harris Property Type: Domestic Property (Single) Location: Bridge Cottage Blisworth Road, Courteenhall, Northampton, Nn7 2qb Authority: Environment Agency, Anglian Region Catchment Area: Wootton Brook (Gayton) Reference: Pr5lf3002 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land <b>Status: Varied under EPR 2010</b> Positional Accuracy: Located by supplier to within 10m	A8NW (SE)	357	2	474748 253047

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p><b>Discharge Consents</b></p> <p>Operator: Roger R Harris  Property Type: Domestic Property (Single)  Location: Bridge Cottage Blisworth Road, Courteenhall, Northampton, Nn7 2qb  Authority: Environment Agency, Anglian Region  Catchment Area: Wootton Brook (Gayton)  Reference: Pr5lf3002  Permit Version: 1  Effective Date: 17th January 1966  Issued Date: 17th January 1966  Revocation Date: 13th December 2011  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Land/Soakaway  Environment:  Receiving Water: Land  <b>Status:</b> Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989  Positional Accuracy: Located by supplier to within 10m</p>	A8NW (SE)	357	2	474748 253047
3	<p><b>Discharge Consents</b></p> <p>Operator: D.C. Baines Esq  Property Type: Sewage Disposal Works - Other  Location: Thorpewood Farm Barns, Courteenhall, Northampton  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Prnlf03868  Permit Version: 1  Effective Date: 5th November 1990  Issued Date: 5th November 1990  Revocation Date: 1st October 1996  Discharge Type: Unknown  Discharge: Not Supplied  Environment:  Receiving Water: Not Supplied  <b>Status:</b> Post National Rivers Authority Legislation where issue date &gt; 31/08/1989  Positional Accuracy: Located by supplier to within 10m</p>	A7NE (S)	525	2	474320 252900
4	<p><b>Discharge Consents</b></p> <p>Operator: David Charles Baines  Property Type: Sewage Disposal Works - Other  Location: Thorpewood Farm House And Barns Blisworth Road, Courteenhall, Northampton, Nn7 2qb  Authority: Environment Agency, Anglian Region  Catchment Area: Wootton Brook (Gayton)  Reference: Prnfn18087  Permit Version: 1  Effective Date: 1st March 2004  Issued Date: 28th February 2004  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Of Wootton Brook  <b>Status:</b> New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)  Positional Accuracy: Located by supplier to within 10m</p>	A7NE (S)	558	2	474410 252830
	<b>Nearest Surface Water Feature</b>	A16NW (NE)	0	-	474657 254354
5	<p><b>Water Abstractions</b></p> <p>Operator: A J Kelcher Esq  Licence Number: 5/32/04/*g/034  Permit Version: Not Supplied  Location: Borehole Thorpewood Farm, ROADE  Authority: Environment Agency, Anglian Region  Abstraction: Agriculture (General)  Abstraction Type: Not Supplied  Source: Well And Borehole  Daily Rate (m3): 4  Yearly Rate (m3): 10000  Details: Northampton Sanstone; 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</p>	A8SW (S)	692	2	474480 252680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	A11NE (SE)	0	2	474317 253508
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	A11NE (SE)	0	2	474301 253530
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	(NE)	0	2	475219 254717
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H2) - Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	(N)	0	2	473822 254779
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A11NE (SE)	0	1	474301 253530
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A12NE (E)	0	1	475000 253530
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(N)	0	1	474301 255000
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(NE)	0	1	475000 255000
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A12SW (SE)	0	1	474609 253362
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A12NE (E)	0	1	475000 253520
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(N)	0	1	474463 254965
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(N)	0	1	474405 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(N)	0	1	474301 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(NE)	0	1	475000 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(N)	0	1	473888 254809
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(N)	0	1	474158 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(NE)	0	1	475172 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(NE)	0	1	475205 254743



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A16SW (NE)	0	1	474633 253891
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A16SW (N)	0	1	474430 253922
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A16SE (NE)	0	1	475000 254091
	<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				
6	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (NE)	0	2	474422 253686
7	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (NE)	0	2	474545 253685
8	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (W)	50	2	474215 253509
9	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	A15SE (N)	5	2	474353 253866
10	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	A15SE (N)	74	2	474339 253867

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Sandspinnners Limited            Location: Courteenhall Road, Blisworth            Name: Blisworth Lodge Farm            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHL02279            First Input Date: 1st February 1982            Last Input Date: 30th September 1991            Specified Waste: Deposited Waste included Inert Waste and Liquid Sludge            Type:            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: Not Supplied            BGS Ref: Not Supplied            Other Ref: S/026, 2800/5409</p>	A11SE (S)	449	2	474162 253158
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: South Northamptonshire District Council            - Has supplied landfill data</p>		0	3	474301 253530
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: Northamptonshire County Council            - Has supplied landfill data</p>		0	4	474301 253530
12	<p><b>Local Authority Recorded Landfill Sites</b></p> <p>Location: Courteenhall Road, Blisworth            Reference: S26            Authority: South Northamptonshire Council, Environmental Health Department  <b>Last Reported Closed</b>  <b>Status:</b>            Types of Waste: Solid Inert, Solid Degradable, Solid Putrescible, Difficult, Asbestos, Sludge            Date of Closure: 30/09/1991            Positional Accuracy: Located by supplier to within 100m            Boundary Quality: Not Applicable</p>	A6NE (SW)	912	3	473726 252996
12	<p><b>Local Authority Recorded Landfill Sites</b></p> <p>Location: Courteenhall Road, Blisworth            Reference: S17            Authority: South Northamptonshire Council, Environmental Health Department  <b>Last Reported Closed</b>  <b>Status:</b>            Types of Waste: Solid Inert, Solid Degradable, Sludges            Date of Closure: 31/07/1982            Positional Accuracy: Located by supplier to within 100m            Boundary Quality: Not Applicable</p>	A6NE (SW)	934	3	473700 253000
13	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Sandspinnners Ltd            Licence Reference: S/026 (S/ 17)            Site Location: Blisworth Lodge Farm, Courteenhall Road, Blisworth, Northampton, Northamptonshire            Licence Easting: Not Supplied            Licence Northing: Not Supplied            Operator Location: As Site Address            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 16th January 1984            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: Moderate            Authorised Waste: Northamptonshire Category C *            Northants/Lincs Category A *            Northants/Lincs Category B *            Sewage            Prohibited Waste: Carcasses And Flesh            Environment Agency Excavated Natural Materials \$            must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	A7NW (SW)	658	2	473953 253104

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Lias Group	A11NE (SE)	0	1	474301 253530
14	<b>BGS Recorded Mineral Sites</b> Site Name: Blisworth Stone Works Location: , Blisworth, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139747 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Blisworth Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	720	1	473916 253044
15	<b>BGS Recorded Mineral Sites</b> Site Name: Blisworth Location: , Blisworth, Northampton Source: British Geological Survey, National Geoscience Information Service Reference: 29001 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Blisworth Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A6NE (SW)	871	1	473735 253085
16	<b>BGS Recorded Mineral Sites</b> Site Name: Blisworth Lodge Pit Location: , Blisworth, Northampton Source: British Geological Survey, National Geoscience Information Service Reference: 29011 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Northampton Sand Formation (Northampton Sand Ironstone) Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A10NE (W)	925	1	473535 253615
17	<b>BGS Recorded Mineral Sites</b> Site Name: Blisworth Location: , Blisworth, Northampton Source: British Geological Survey, National Geoscience Information Service Reference: 29002 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Blisworth Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A10SE (SW)	928	1	473650 253175
	<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> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (SE)	0	1	474301 253530
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253530
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (SE)	0	1	474301 253530
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	0	1	474600 253303
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253490
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (SE)	0	1	474301 253530
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253530
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	36	1	475000 253443
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	64	1	474462 253315
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	94	1	474289 253248
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	94	1	475000 253383
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	199	1	474268 253340
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (SE)	0	1	474301 253530
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (E)	0	1	474338 253524
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253530
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	5	1	474609 253362
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	15	1	474531 253384
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	37	1	474556 253330
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (SE)	49	1	474384 253489
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	55	1	474299 253503
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	126	1	474605 253249
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	131	1	474451 253278
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	170	1	474253 253386
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	196	1	474553 253171

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (W)	248	1	474257 253536
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SW (N)	0	1	474430 253922
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	475000 254091
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16SW (NE)	0	1	474633 253891
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (SE)	0	1	474301 253530
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253530
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15SE (N)	32	1	474352 253966
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253530
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (SE)	0	1	474301 253530
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	0	1	474609 253362
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253520
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	51	1	474299 253503
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SW (SE)	64	1	474462 253315
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	94	1	474289 253248
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	94	1	475000 253383
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	170	1	474253 253386
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 5 and 10% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	0	1	474301 253251
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 5 and 10% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253530
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	474301 253576
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253576

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a higher probability radon area, as between 10 and 30% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11NE (SE)	0	1	474301 253530
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A16SW (N)	0	1	474475 254026
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	475075 254076
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11SE (S)	0	1	474301 253251
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253530
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	474301 253576
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A12NE (E)	0	1	475000 253576
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11NE (SE)	0	1	474301 253530
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A16SW (N)	0	1	474475 254026
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	1	475075 254076

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<b>Contemporary Trade Directory Entries</b> Name: N V M Holdings Northants Ltd Location: Unit 6-8, Prospect Court, Courteenhall Road, Blisworth, Northampton, NN7 3DG Classification: Laboratories <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A10NE (W)	935	-	473557 253494
18	<b>Contemporary Trade Directory Entries</b> Name: A T E Solutions Ltd Location: Unit 2, Prospect Court, Courteenhall Road, Blisworth, Northampton, NN7 3DG Classification: Electronic Engineers <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	A10NE (W)	981	-	473510 253493

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A11NE (SE)	0	6	474301 253530
20	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A7NE (S)	306	6	474400 253067
21	<b>Sites of Special Scientific Interest</b> Name: Roade Cutting Multiple Areas: N Total Area (m2): 151713.42 Source: Natural England Reference: 1002811 Designation Details: Geological Conservation Review Designation Date: 1st September 1986 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 1st September 1986 Date Type: Notified	A12SW (SE)	94	5	474486 253256



Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> South Northamptonshire Council - Environment Division	August 2013	Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region	April 2016	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region	April 2016	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> South Northamptonshire Council - Environmental Health Department	December 2014	Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> South Northamptonshire Council - Environmental Health Department	December 2014	Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> South Northamptonshire Council - Environmental Health Department	December 2014	Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region	September 1999	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region	March 2013	As notified
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Northern Area	April 2016	Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region	April 2016	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region	April 2016	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2016	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly

Agency & Hydrological	Version	Update Cycle
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	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	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	May 2016	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Northern Area	May 2016	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Northern Area	April 2016	Quarterly
<b>Local Authority Landfill Coverage</b> Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000	Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000	Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> South Northamptonshire Council Northamptonshire County Council	February 2016 November 2011	Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> South Northamptonshire Council Northamptonshire County Council	February 2016 May 2013	Annual Rolling Update Annual Rolling Update

<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	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	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	June 2016	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	June 2016	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Underground Electrical Cables</b> National Grid	January 2016	Bi-Annually

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

A selection of organisations who provide data within this report

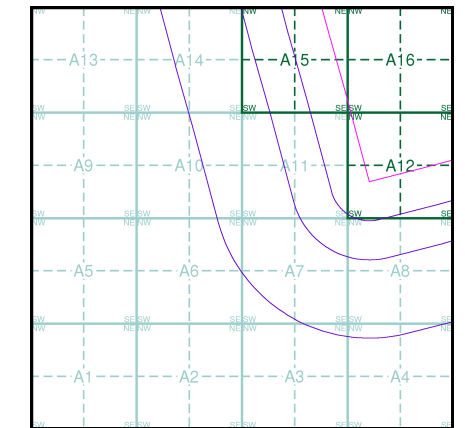
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
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>South Northamptonshire Council - Environmental Health Department</b> Springfields, Towcester, Northamptonshire, NN12 6AE	Telephone: 0845 2300226 Fax: 01327 359219 Website: www.southnorthants.gov.uk
4	<b>Northamptonshire County Council</b> County Hall, Northampton, Northamptonshire, NN1 1DN	Telephone: 0300 126 1000 Website: www.northamptonshire.gov.uk
5	<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
6	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
-	<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.

- 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 and Control
  - Local Authority Integrated Pollution Prevention and Control
  - Local Authority Pollution Prevention and Control Enforcement
  - 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

### Site Sensitivity Map - Slice A

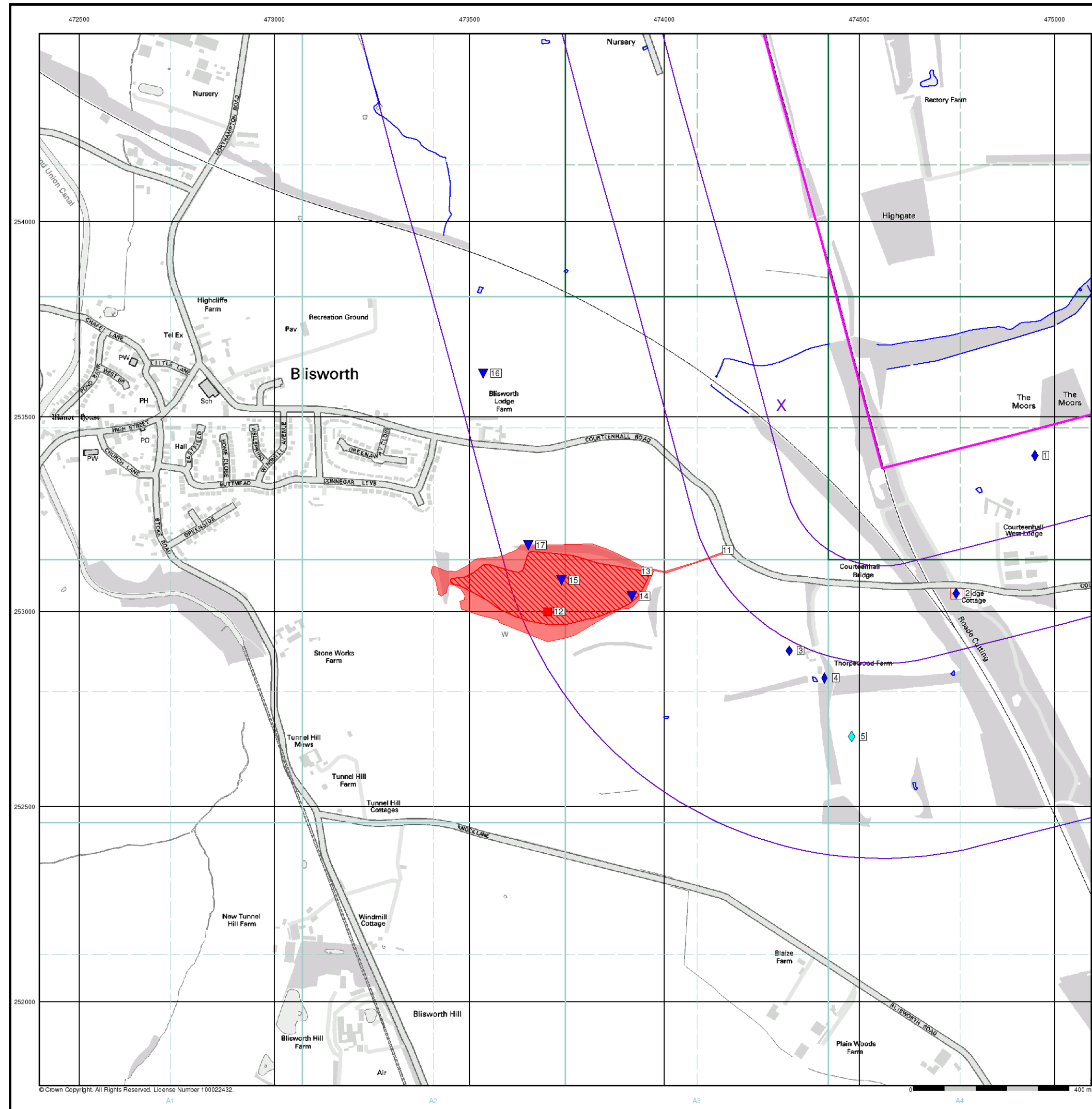


### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details






M1 Junction 15, NORTHAMPTON







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### Industrial Land Use Map

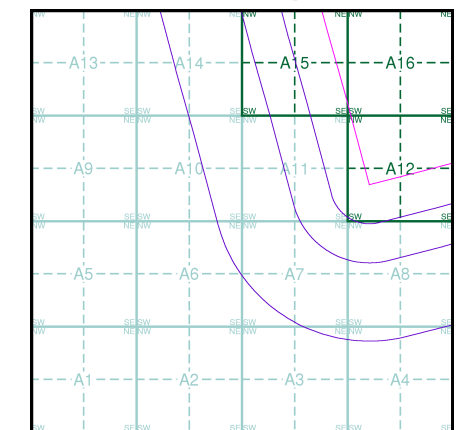
#### General

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

#### Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Underground Electrical Cables

### Industrial Land Use Map - Slice A



#### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

#### Site Details




M1 Junction 15, NORTHAMPTON








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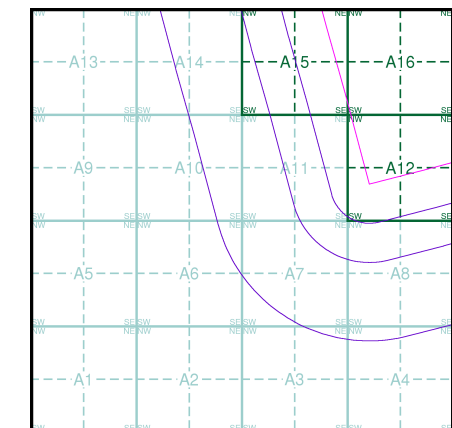
**General**

-  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**

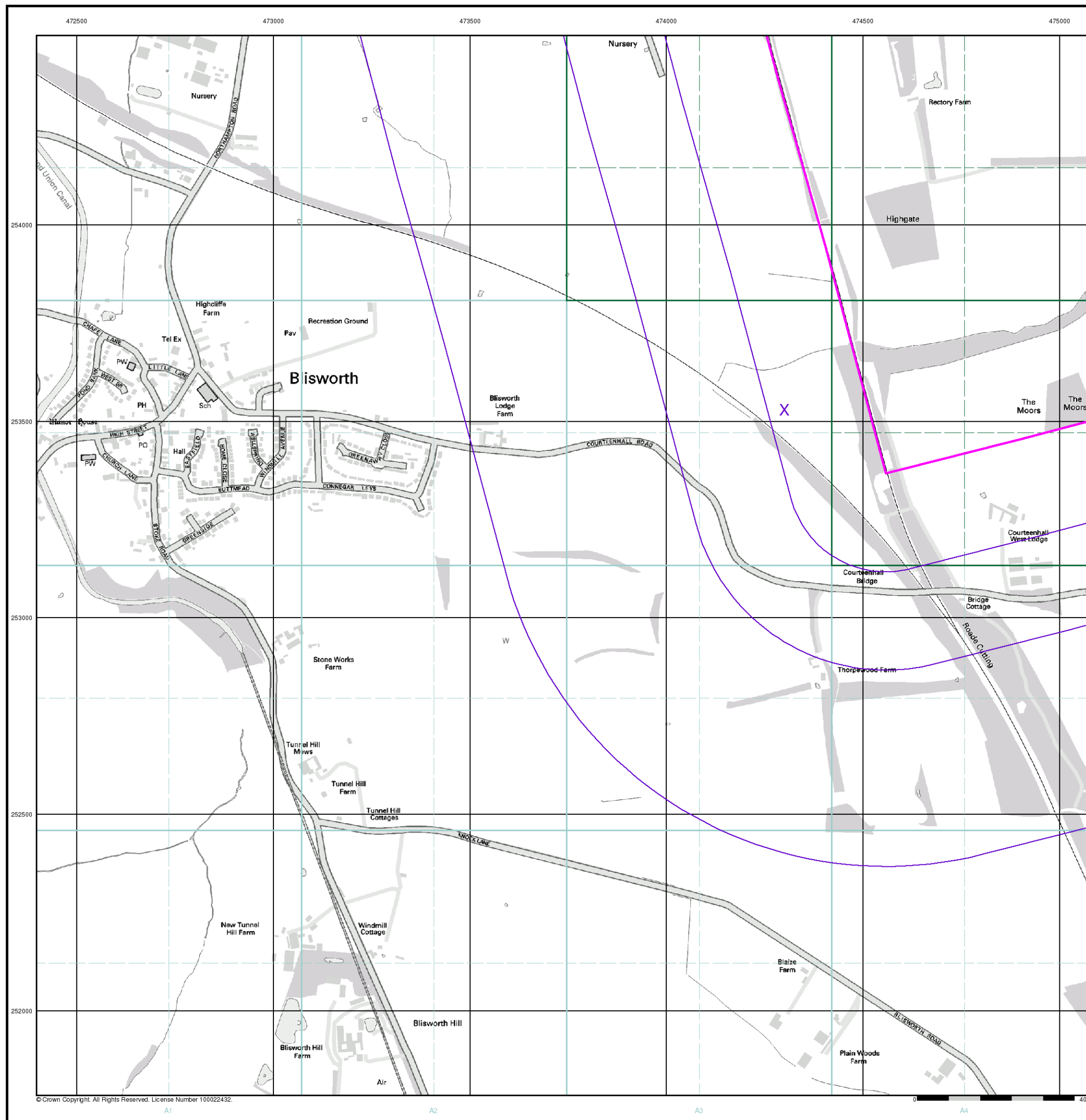


**Order Details**






Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

**Site Details**






M1 Junction 15, NORTHAMPTON



### General

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

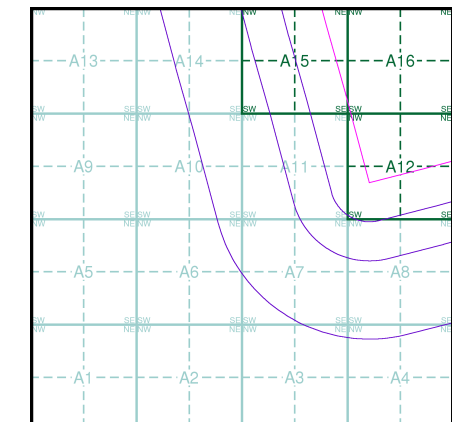
### Agency and Hydrological (Boreholes)

-  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

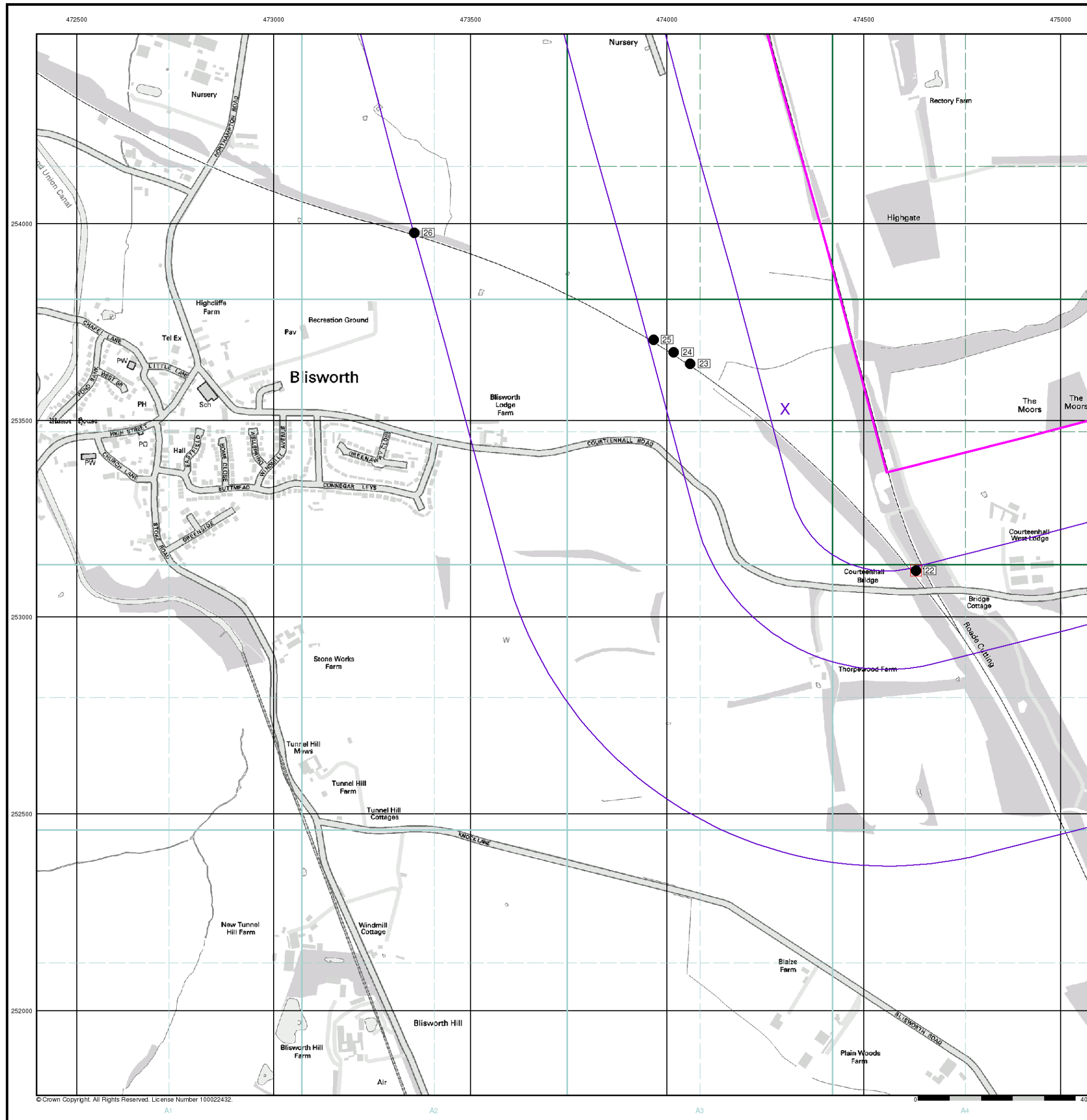


### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details















M1 Junction 15, NORTHAMPTON



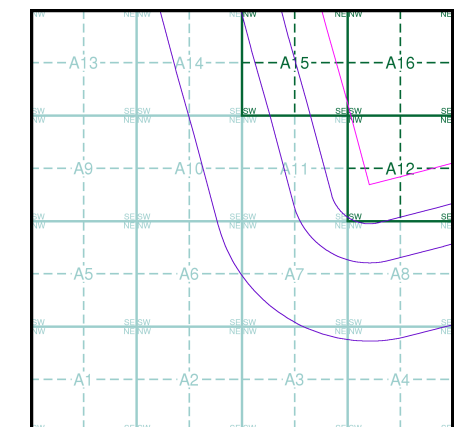
### General

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

### Detailed River Network Data

- |  |   |
|--|---|
|  Primary River            |  Extended Culvert (greater than 50m) |
|  Secondary River          |  Underground River (inferred)        |
|  Tertiary River           |  Underground River (local knowledge) |
|  Canal                    |  Downstream of High Water Mark       |
|  Canal Tunnel             |  Downstream of Seaward Extension     |
|  Undefined River          |  Not assigned River feature          |
|  Lake/Reservoir           |   |
|  Offline Drainage Feature |   |

### EANRW Detailed River Network Map - Slice A

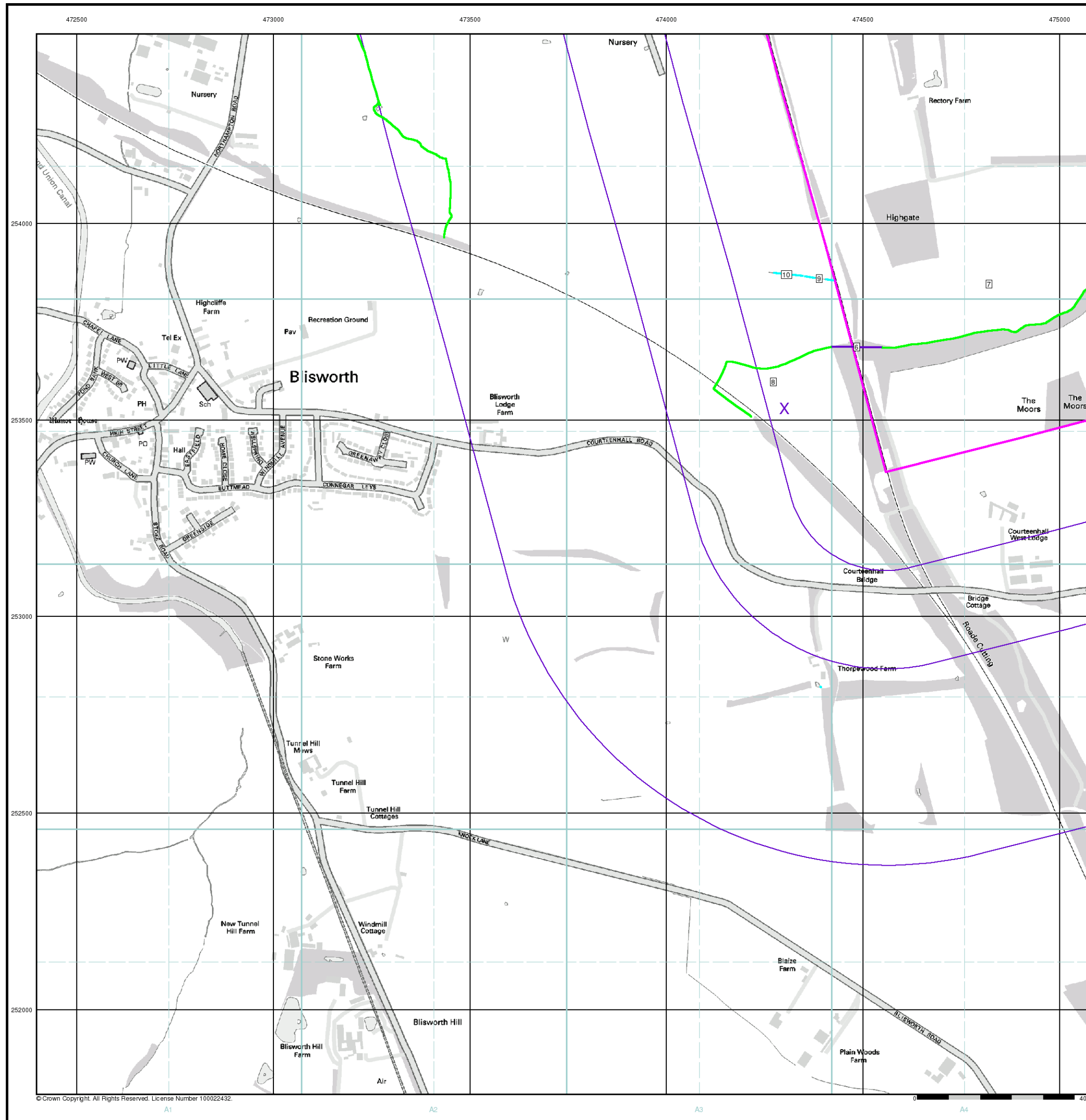


### Order Details

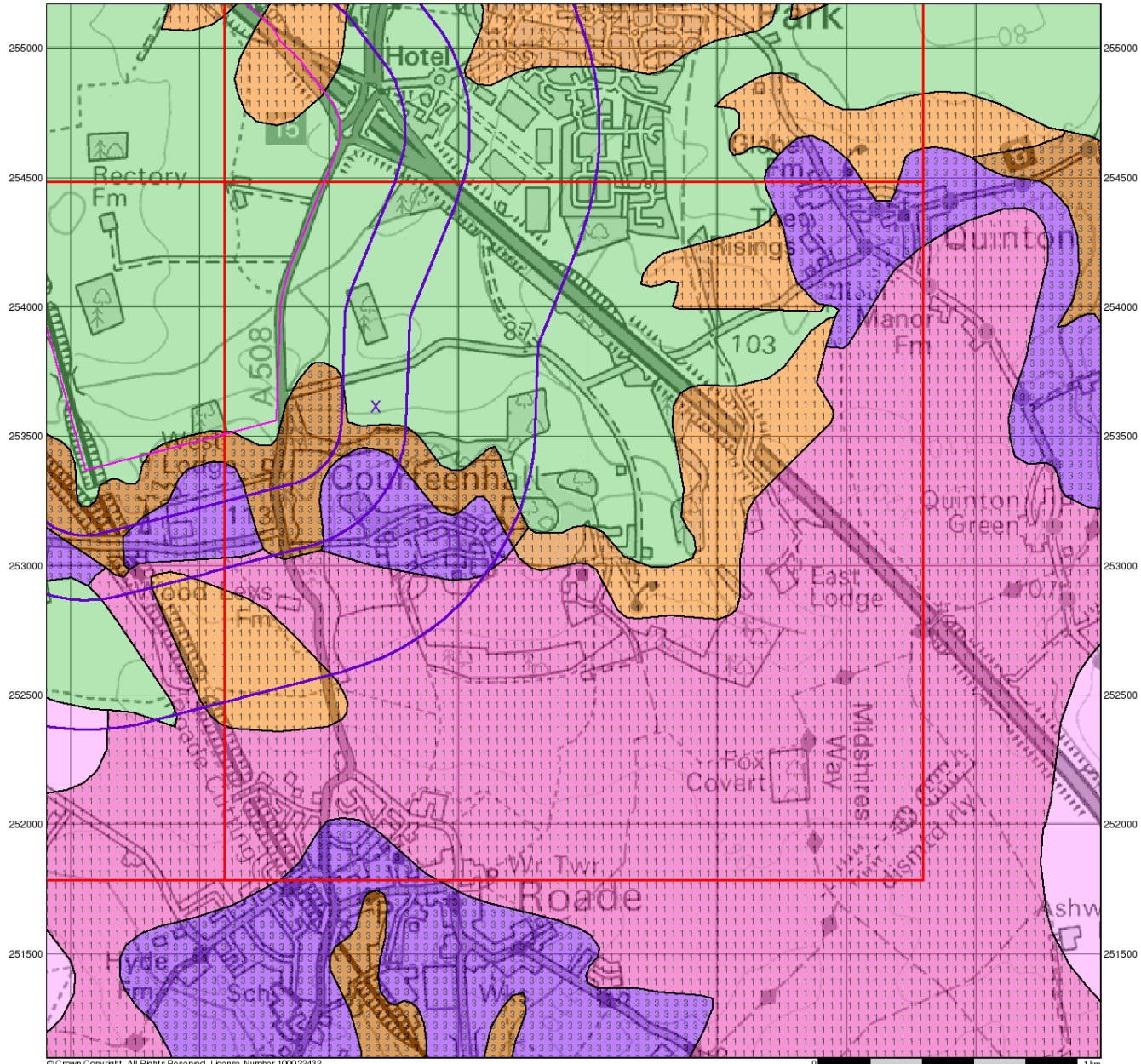
Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474300, 253530  
 Slice: A  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details

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474500 475000 475500 476000 476500 477000 477500 478000



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0 1 km



## Groundwater Vulnerability

### General

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

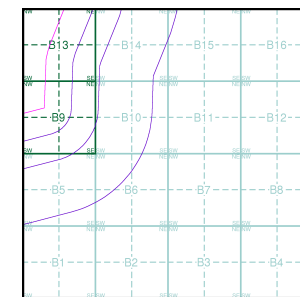
### Agency and Hydrological

#### Geological Classes

- Major Aquifer (Highly Permeable)**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Minor Aquifer (Variably Permeable)**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Non Aquifer (Negligibly Permeable)**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Water or Sea**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Drift Deposit**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low

#### Soil Classes

### Site Sensitivity Context Map - Slice B



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475680, 253610  
 Slice: B  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

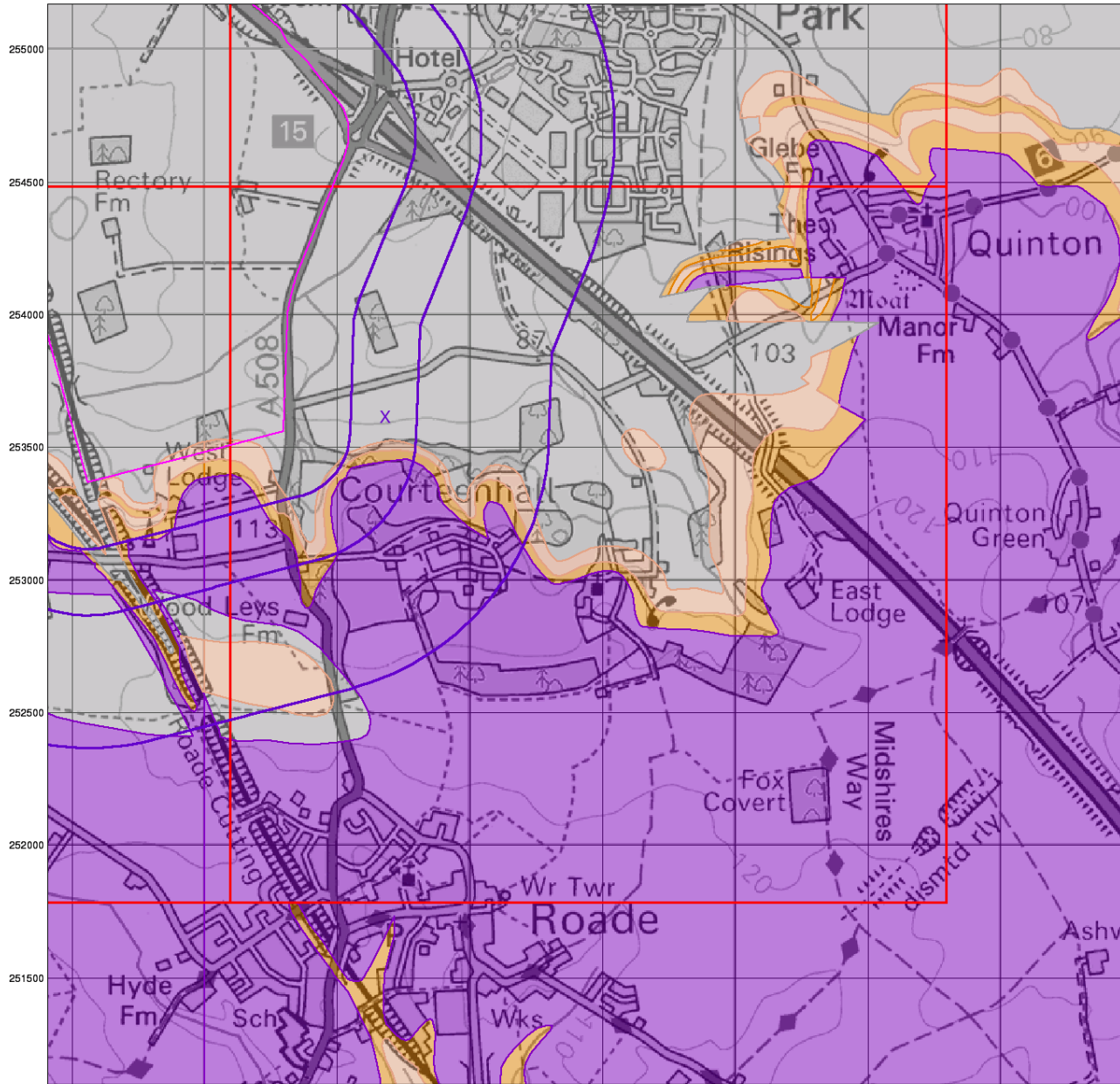
### Site Details

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

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0 1 km



## Bedrock Aquifer Designation

### General

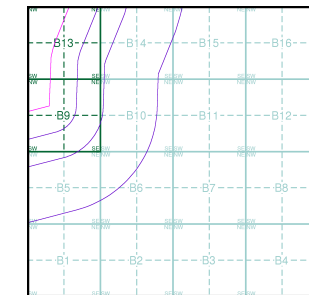
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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 B



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475680, 253610  
 Slice: B  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

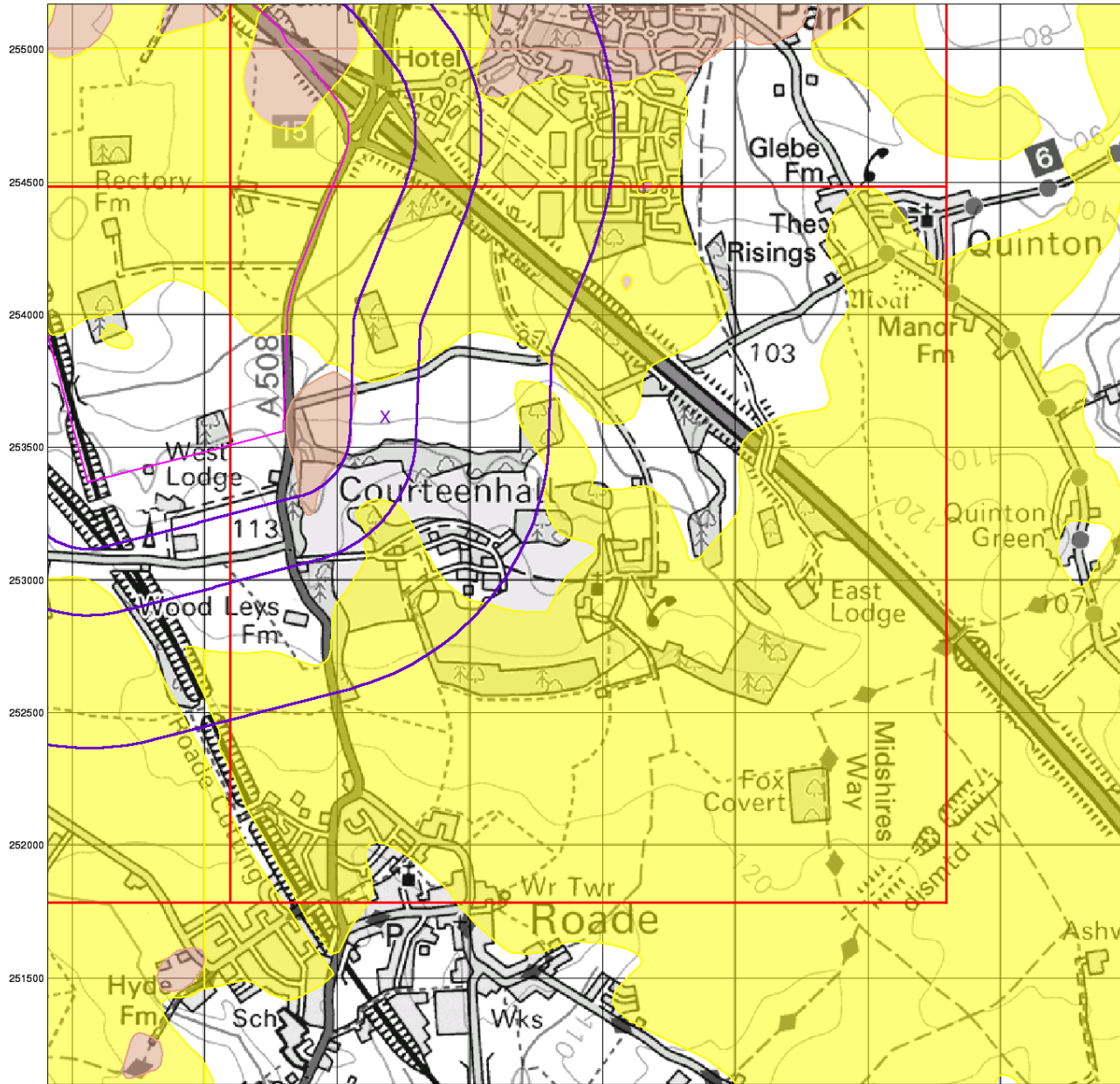
### Site Details

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 Fax: 0844 844 9951  
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0 1 km



## Superficial Aquifer Designation

### General

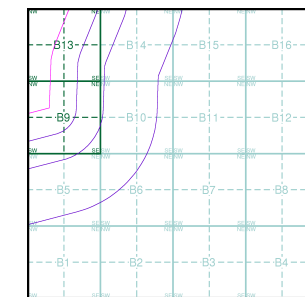
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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 B



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475680, 253610  
 Slice: B  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

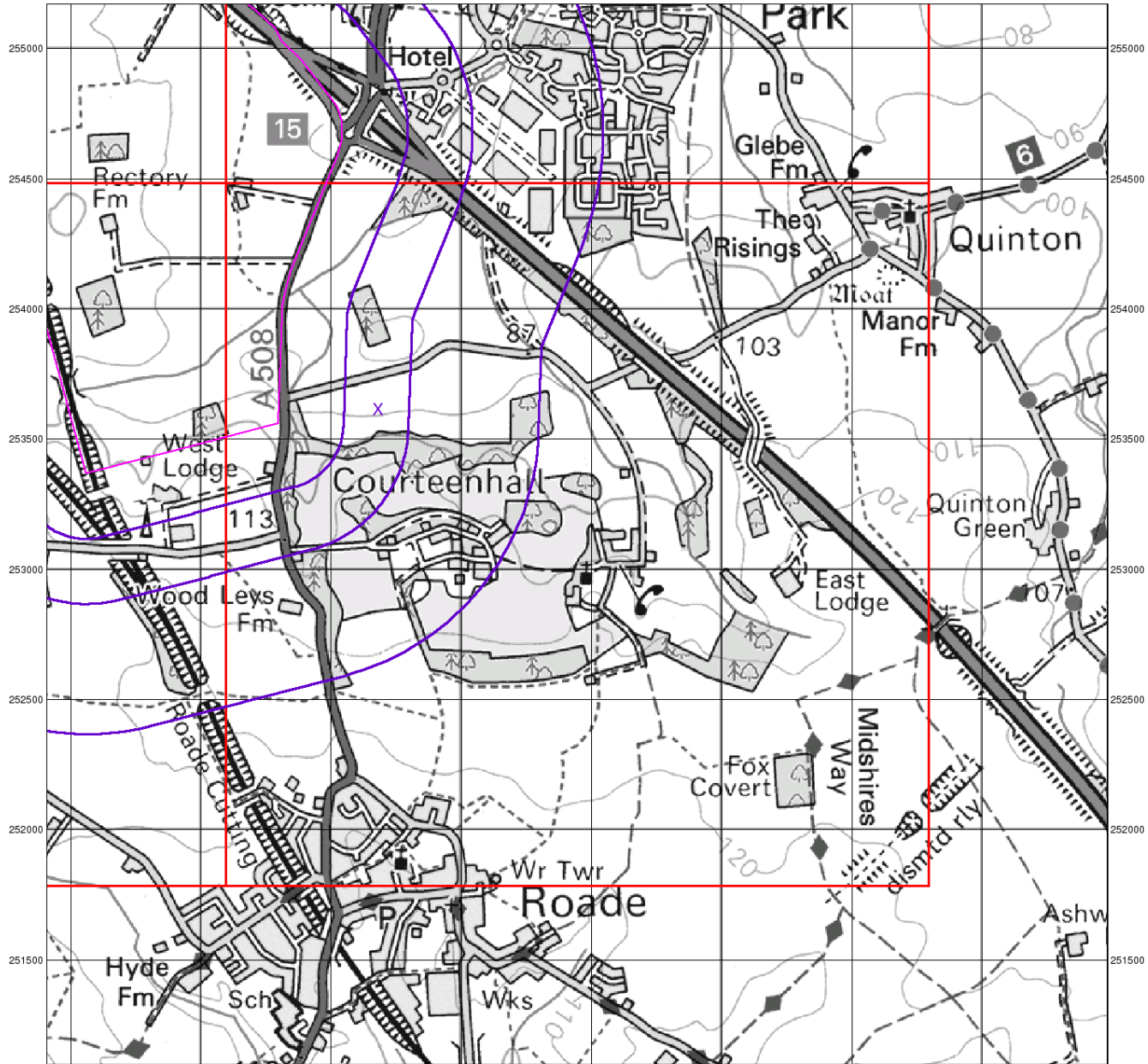
### Site Details

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0 1 km



## Source Protection Zones

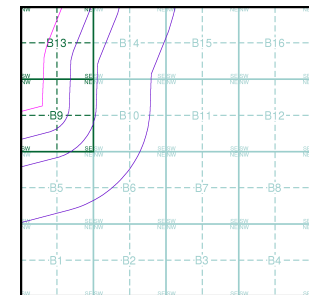
### General

- 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)
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice B



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475680, 253610  
 Slice: B  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON

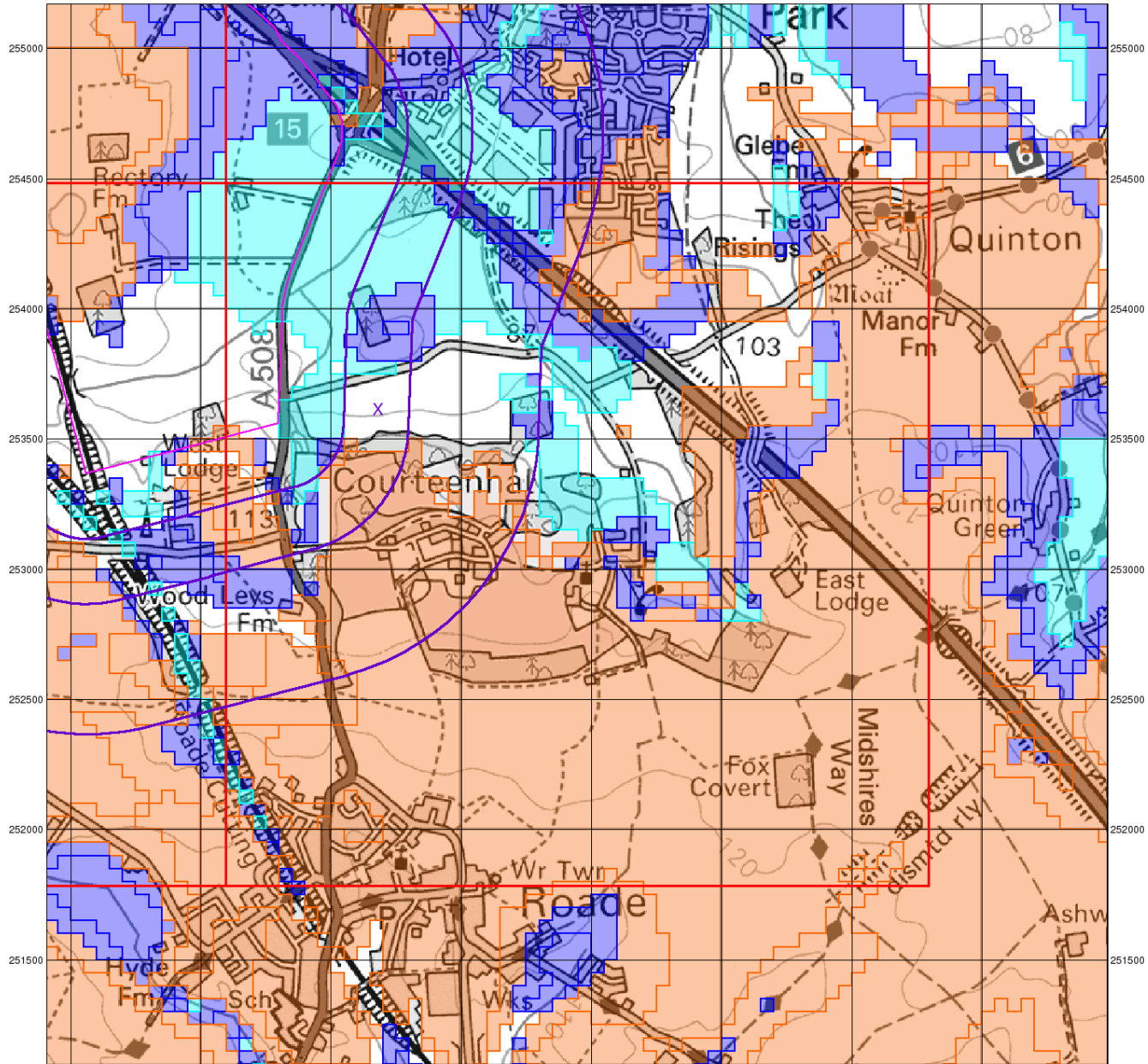


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 Web: www.envirocheck.co.uk





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**BGS Flood GFS Data**

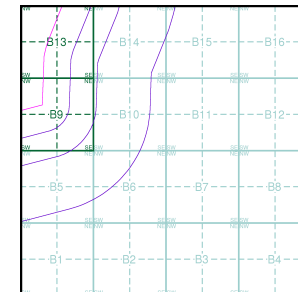
**General**

- 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 B**



**Order Details**

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475680, 253610  
 Slice: B  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



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

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

90632639\_1\_1

**Customer Reference:**

313418

**National Grid Reference:**

475680, 253610

**Slice:**

B

**Site Area (Ha):**

222.18

**Search Buffer (m):**

1000

#### Site Details:

M1 Junction 15  
NORTHAMPTON

#### Client Details:

Mrs D Martin  
RSK Environment Ltd  
Abbey Park  
Humber Road  
Coventry  
CV3 4AQ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	10
Hazardous Substances	-
Geological	11
Industrial Land Use	13
Sensitive Land Use	14
Data Currency	15
Data Suppliers	19
Useful Contacts	20

## Introduction

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

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

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## Report Version v50.0

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	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
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		Yes			
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability	pg 5	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				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
Detailed River Network Lines	pg 6	Yes	Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 9		Yes		n/a

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)					
Local Authority Landfill Coverage	pg 10	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
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					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 11	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 11			1	1
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 11	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 11	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 12	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m</b>	<b>501 to 1000m (*up to 2000m)</b>
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 13				1
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
<b>Sensitive Land Use</b>					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 14	1		1	
Ramsar Sites					
Sites of Special Scientific Interest	pg 14		1		
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	474700 253850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	474750 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	474750 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	474950 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	475550 254550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	474450 254000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	474700 254000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	474850 254450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	474650 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	474650 254350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	474450 253900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	474900 253450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	475000 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	475400 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	474950 254150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	475050 254500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9NW (W)	0	1	475200 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	0	1	475000 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	474750 254050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	475550 254750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	475600 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	474850 254150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	474850 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B9NE (W)	0	1	475550 253615
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	1	474850 253450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	0	1	475550 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	474950 254600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	0	1	475500 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	475600 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	475000 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	475200 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	475000 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	475050 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	475000 255100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	4	1	474950 253450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	8	1	475650 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	17	1	475600 254750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	26	1	475550 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NW (W)	32	1	475250 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	35	1	475600 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	40	1	474700 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	48	1	474500 253400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	58	1	475682 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	65	1	475682 254750



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	(W)	65	1	475000 253400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	66	1	475600 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	68	1	474550 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	76	1	474650 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9SW (SW)	78	1	475200 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	87	1	475650 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	89	1	474500 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	97	1	474450 253400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	100	1	474850 253250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	101	1	474950 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	108	1	475682 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	114	1	475000 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	118	1	474550 253250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9SW (SW)	129	1	475250 253400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	150	1	474950 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	158	1	475700 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	162	1	475000 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NE (SW)	164	1	475550 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	167	1	474600 253200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9SW (SW)	190	1	475300 253350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	191	1	475700 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	197	1	475682 255000

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	B9SE (SW)	221	1	475500 253400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9SW (SW)	223	1	475300 253200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9SE (SW)	231	1	475550 253450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	231	1	474500 253100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	233	1	474700 253150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	234	1	475000 253100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9SW (SW)	238	1	475300 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9NE (N)	242	1	475682 253800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9SW (SW)	251	1	475350 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	B10NW (SE)	258	1	475800 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9NE (SW)	260	1	475600 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	268	1	474600 253050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9SE (SW)	279	1	475450 253300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	294	1	474750 253100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	323	1	475850 254500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9SE (SW)	326	1	475450 253250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	355	1	475800 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	367	1	475700 255150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	367	1	474850 253050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	368	1	475050 253100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	370	1	474650 253000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B14NW (NE)	385	1	476050 254300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13SE (N)	390	1	475700 253900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9SW (SW)	409	1	475400 253150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	417	1	475050 253050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	418	1	474700 252900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	427	1	474700 252950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B5NW (SW)	429	1	475350 253000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	464	1	474850 252950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	488	1	474750 252900
	<b>Nearest Surface Water Feature</b>	B13SW (NW)	0	-	475280 253996
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	B9NE (S)	0	2	475688 253542
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	B9NE (SE)	0	2	475682 253615
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	(N)	0	2	475363 254718
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(W)	0	1	475000 253615
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	B9NE (SE)	0	1	475682 253615
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(NW)	0	1	475000 255000
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(N)	0	1	475682 255000
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(W)	0	1	475000 253520
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	B9NE (S)	0	1	475700 253525
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(NW)	0	1	474534 254981

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(NW)	0	1	474555 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(NW)	0	1	475000 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(N)	0	1	475172 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(NW)	0	1	475000 255095
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(N)	0	1	475581 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(N)	0	1	475362 254705
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(W)	0	1	474728 253889
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(NW)	0	1	475000 254091
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	B9NE (N)	0	1	475666 253752
	<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				
1	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B13SW (NW)	0	2	475337 254043
2	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B13SW (NW)	0	2	475280 253996

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B13SW (NW)	18	2	475397 254052
4	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NE (NW)	26	2	475476 253796
5	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B13SE (NW)	71	2	475509 253916
6	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B13SW (NW)	72	2	475393 254045
7	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B13SW (NW)	74	2	475397 254052
8	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NW (W)	88	2	475375 253502

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NW (W)	93	2	475375 253502
10	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NW (SW)	96	2	475389 253482
11	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NW (SW)	101	2	475356 253477
12	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NW (SW)	120	2	475389 253482
13	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9SW (SW)	157	2	475413 253441
14	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9SE (SW)	165	2	475446 253437

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9SE (SW)	192	2	475449 253435
16	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9SE (SW)	192	2	475518 253422
17	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NE (NW)	200	2	475574 253714
18	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9SE (SW)	260	2	475518 253422
19	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B14NW (NE)	363	2	476091 254419
20	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	B9NW (W)	56	2	475355 253586
21	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	B9NW (W)	62	2	475359 253565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: South Northamptonshire District Council - Has supplied landfill data		0	3	475682 253615
	<b>Local Authority Landfill Coverage</b> Name: Northamptonshire County Council - Has supplied landfill data		0	4	475682 253615



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Lias Group	B9NE (SE)	0	1	475682 253615
22	<b>BGS Recorded Mineral Sites</b> Site Name: Courteenhall Location: , Courteenhall, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139751 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Blisworth Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B9SE (S)	415	1	475560 253238
23	<b>BGS Recorded Mineral Sites</b> Site Name: Courteenhall Gravel Pit Location: , Courteenhall, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139750 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Till, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	B5NE (S)	708	1	475631 252935
	<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> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (SE)	0	1	475682 253615
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (SE)	0	1	475682 253615
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	1	475700 253525
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (SE)	0	1	475682 253615
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	36	1	475691 253487
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	94	1	475705 253447
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (SE)	0	1	475682 253615
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (N)	0	1	475666 253752
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (SE)	0	1	475682 253615
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NE (SE)	0	1	475682 253615
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (S)	0	1	475700 253525

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	94	1	475705 253447
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B9NE (SE)	0	1	475682 253615
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B13SE (N)	0	1	475682 253826
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B9NE (SE)	0	1	475682 253615
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B13SE (N)	0	1	475682 253826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<b>Contemporary Trade Directory Entries</b> Name: A J S Services Location: 66, Woodlands, Grange Park, Northampton, NN4 5FX Classification: Domestic Appliances - Servicing, Repairs & Parts Status: <b>Active</b> Positional Accuracy: Automatically positioned to the address	B15NW (NE)	952	-	476463 254409

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	B9NE (SE)	0	5	475682 253615
26	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	(SW)	306	5	474944 252850
27	<b>Sites of Special Scientific Interest</b> Name: Roade Cutting Multiple Areas: N Total Area (m2): 151713.42 Source: Natural England Reference: 1002811 Designation Details: Geological Conservation Review Designation Date: 1st September 1986 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 1st September 1986 Date Type: Notified	(SW)	94	6	474744 253082

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> South Northamptonshire Council - Environment Division	August 2013	Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region	April 2016	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region	April 2016	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> South Northamptonshire Council - Environmental Health Department	December 2014	Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> South Northamptonshire Council - Environmental Health Department	December 2014	Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> South Northamptonshire Council - Environmental Health Department	December 2014	Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region	September 1999	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region	March 2013	As notified
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Northern Area	April 2016	Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region	April 2016	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region	April 2016	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2016	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly

Agency & Hydrological	Version	Update Cycle
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	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	June 1996	Not Applicable
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Northern Area	May 2016	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Northern Area	April 2016	Quarterly
<b>Local Authority Landfill Coverage</b> Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000	Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000	Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> South Northamptonshire Council Northamptonshire County Council	February 2016 November 2011	Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> South Northamptonshire Council Northamptonshire County Council	February 2016 May 2013	Annual Rolling Update Annual Rolling Update

<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	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	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	June 2016	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	June 2016	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Underground Electrical Cables</b> National Grid	January 2016	Bi-Annually

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



A selection of organisations who provide data within this report

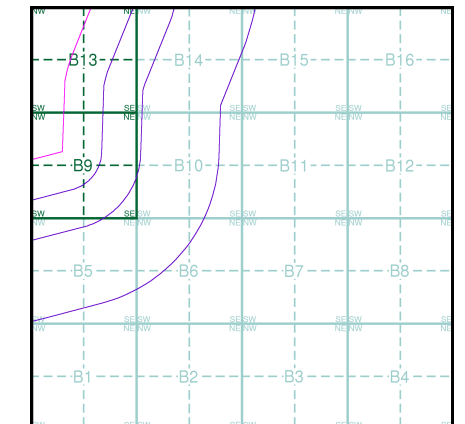
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
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>South Northamptonshire Council - Environmental Health Department</b> Springfields, Towcester, Northamptonshire, NN12 6AE	Telephone: 0845 2300226 Fax: 01327 359219 Website: www.southnorthants.gov.uk
4	<b>Northamptonshire County Council</b> County Hall, Northampton, Northamptonshire, NN1 1DN	Telephone: 0300 126 1000 Website: www.northamptonshire.gov.uk
5	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
6	<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.

- 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
  - 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
- 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

### Site Sensitivity Map - Slice B



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475680, 253610  
 Slice: B  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details






M1 Junction 15, NORTHAMPTON







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### Industrial Land Use Map

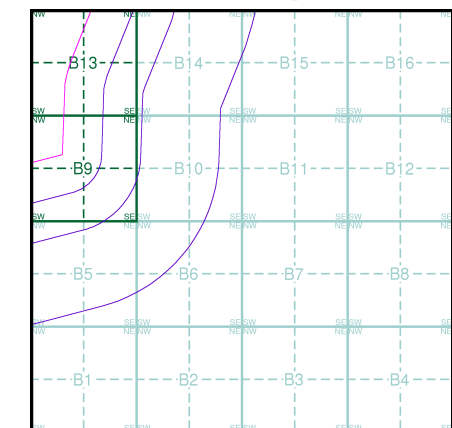
#### General

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

#### Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Underground Electrical Cables

### Industrial Land Use Map - Slice B



#### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475680, 253610  
 Slice: B  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000




#### Site Details

M1 Junction 15, NORTHAMPTON








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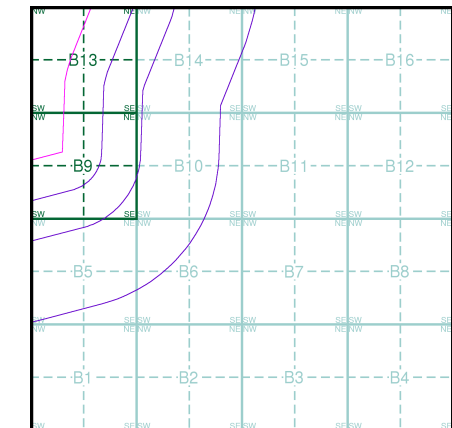
**General**

-  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 B**



**Order Details**

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475680, 253610  
 Slice: B  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000






**Site Details**

M1 Junction 15, NORTHAMPTON








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### General

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

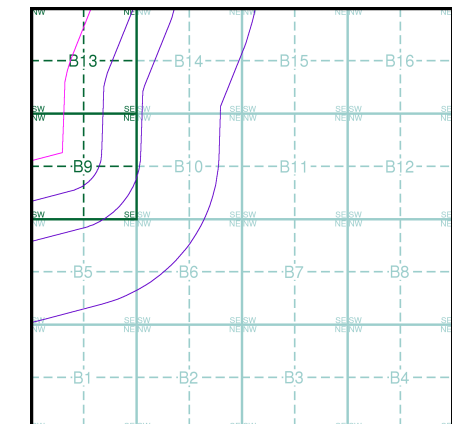
### Agency and Hydrological (Boreholes)

-  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 B



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475680, 253610  
 Slice: B  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details















M1 Junction 15, NORTHAMPTON



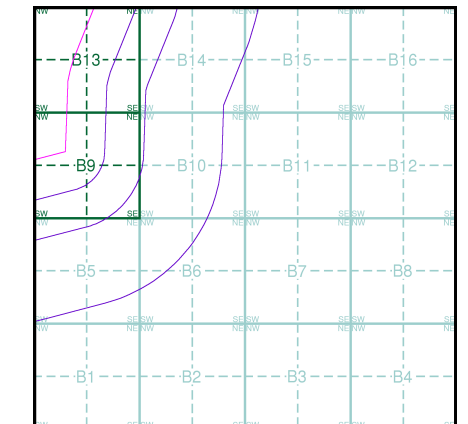
### General

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

### Detailed River Network Data

- |  |   |
|--|---|
|  Primary River            |  Extended Culvert (greater than 50m) |
|  Secondary River          |  Underground River (inferred)        |
|  Tertiary River           |  Underground River (local knowledge) |
|  Canal                    |  Downstream of High Water Mark       |
|  Canal Tunnel             |  Downstream of Seaward Extension     |
|  Undefined River          |  Not assigned River feature          |
|  Lake/Reservoir           |   |
|  Offline Drainage Feature |   |

### EANRW Detailed River Network Map - Slice B



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475680, 253610  
 Slice: B  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

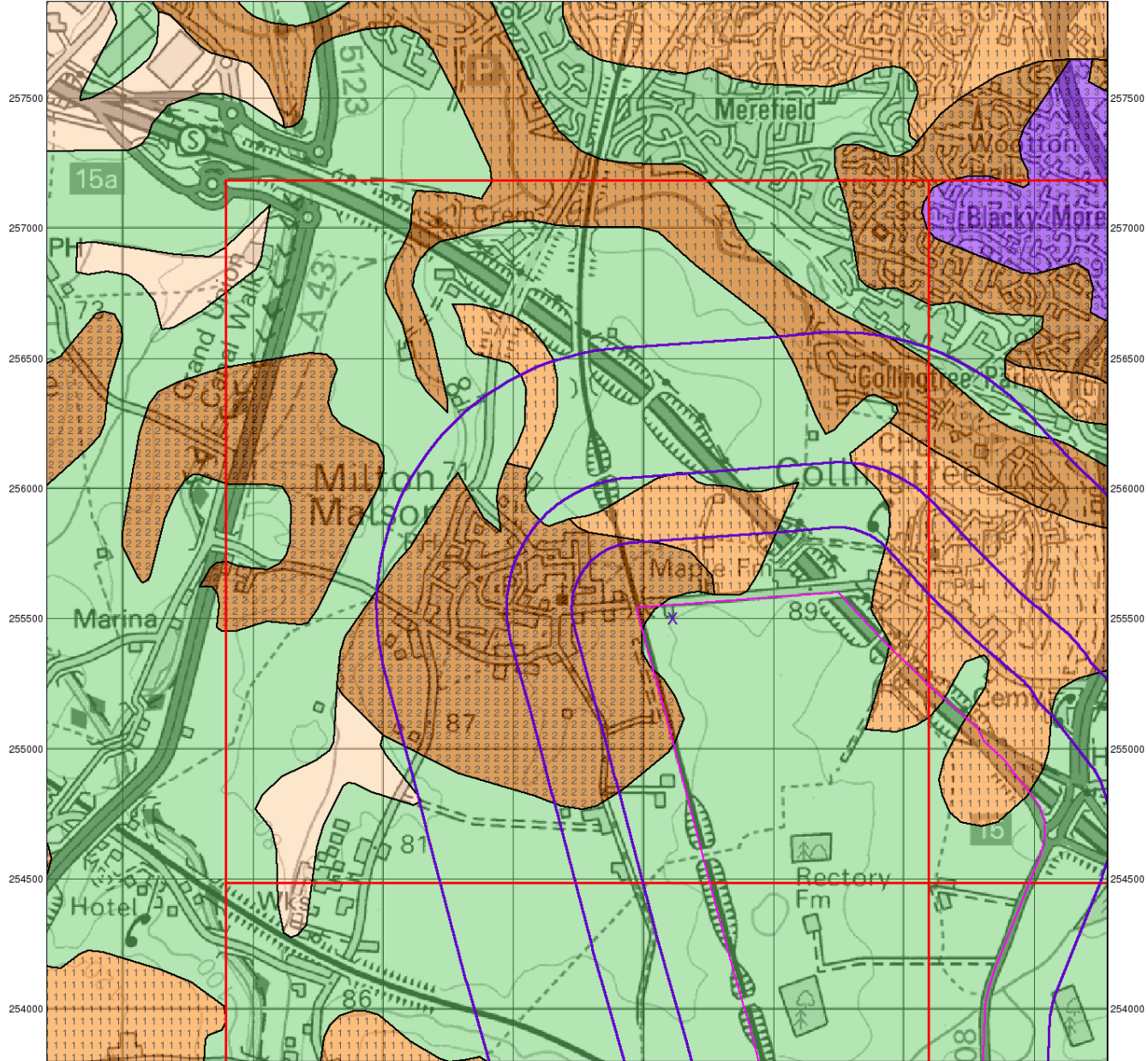
### Site Details

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472000 472500 473000 473500 474000 474500 475000 475500



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0 1 km



## Groundwater Vulnerability

### General

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

### Agency and Hydrological

#### Geological Classes

**Major Aquifer (Highly Permeable)**

**Soil Classes**

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

**Minor Aquifer (Variably Permeable)**

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

**Non Aquifer (Negligibly Permeable)**

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

**Water or Sea**

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

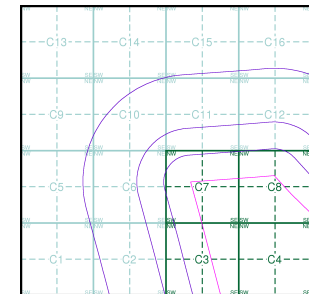
**Drift Deposit**

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

### Site Sensitivity Context Map - Slice C



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 22.18  
 Search Buffer (m): 1000

### Site Details

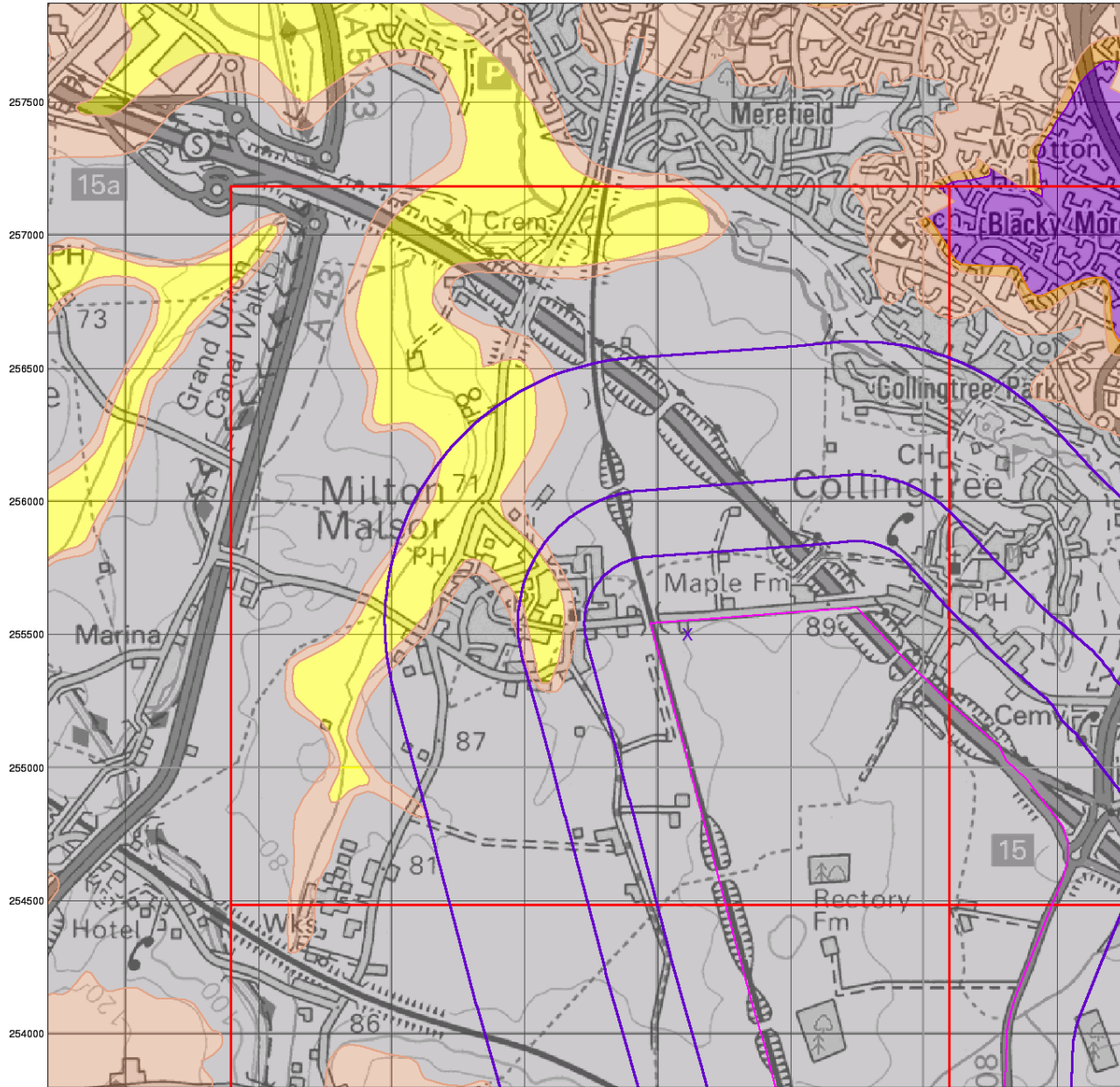
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 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



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0 1 km



## Bedrock Aquifer Designation

### General

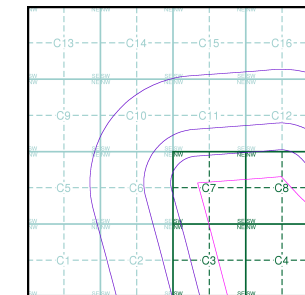
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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 C



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

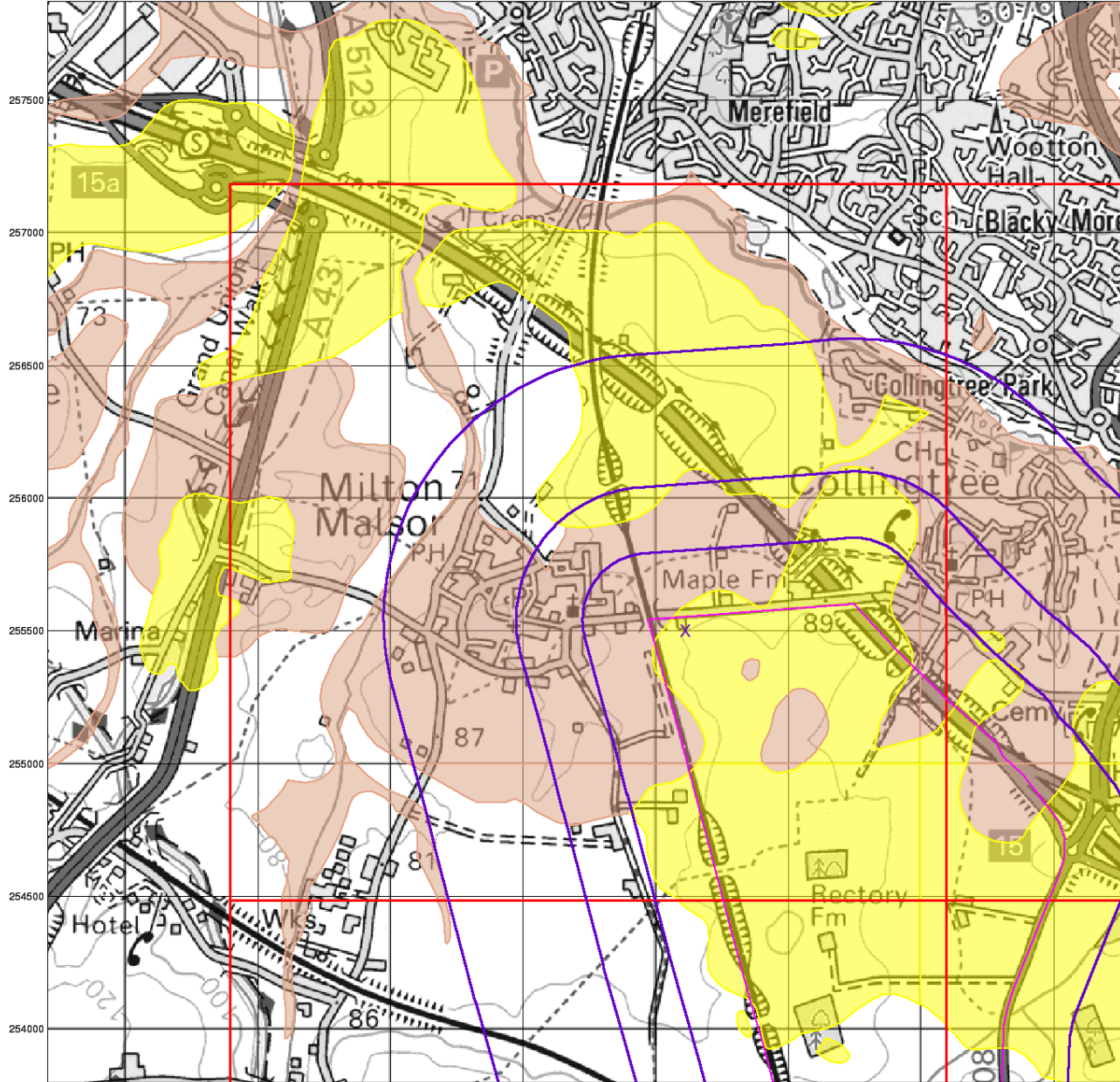
### Site Details

M1 Junction 15, NORTHAMPTON



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
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## Superficial Aquifer Designation

### General

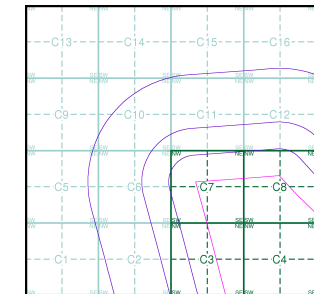
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### 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 C



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

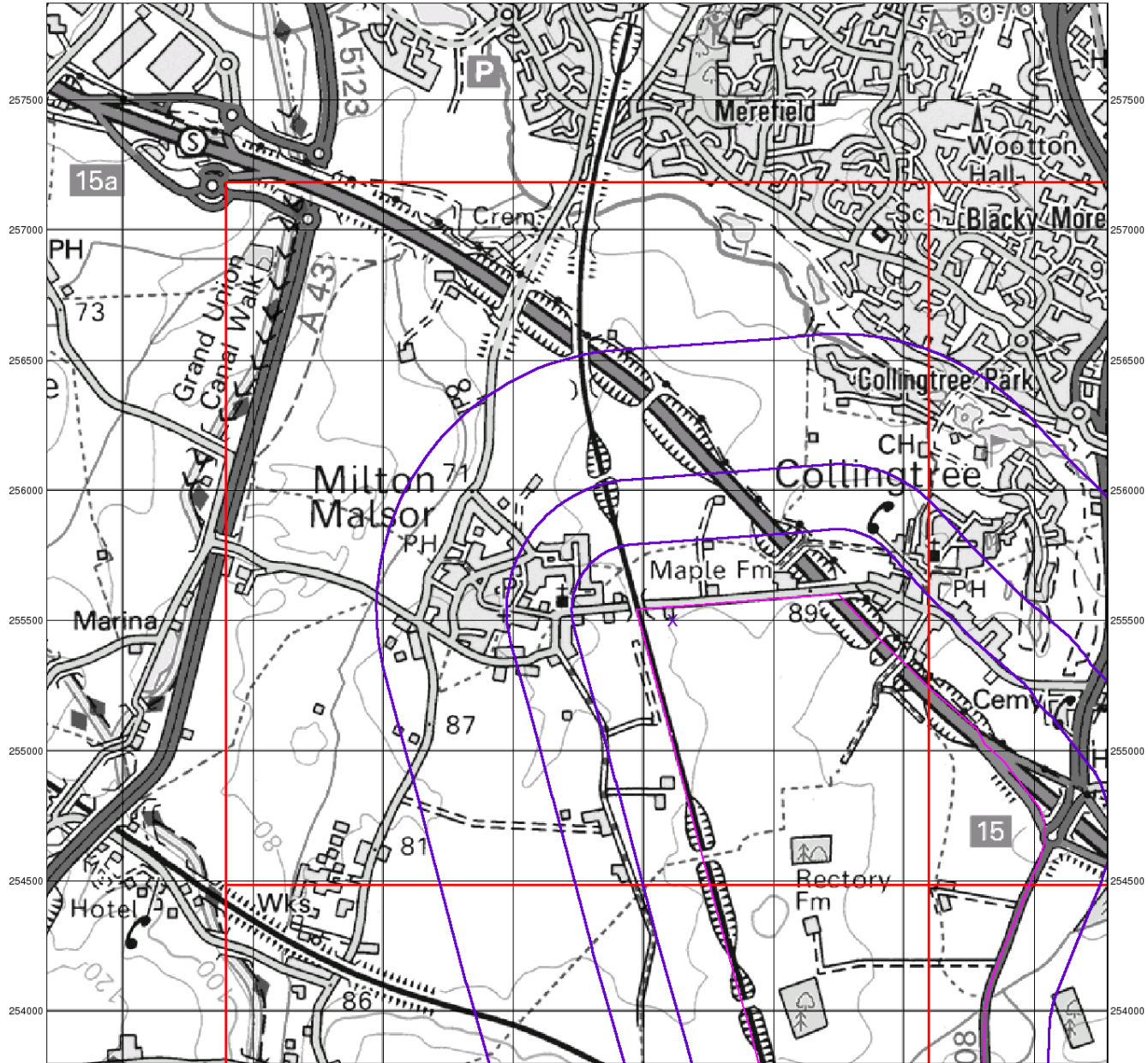
### Site Details

M1 Junction 15, NORTHAMPTON



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0 1 km



## Source Protection Zones

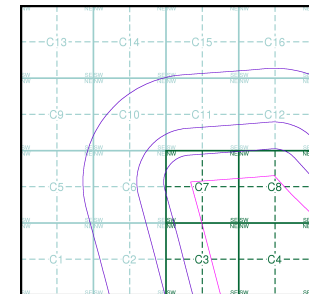
### General

- 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)
- Source Protection Zone Borehole

## Site Sensitivity Context Map - Slice C



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

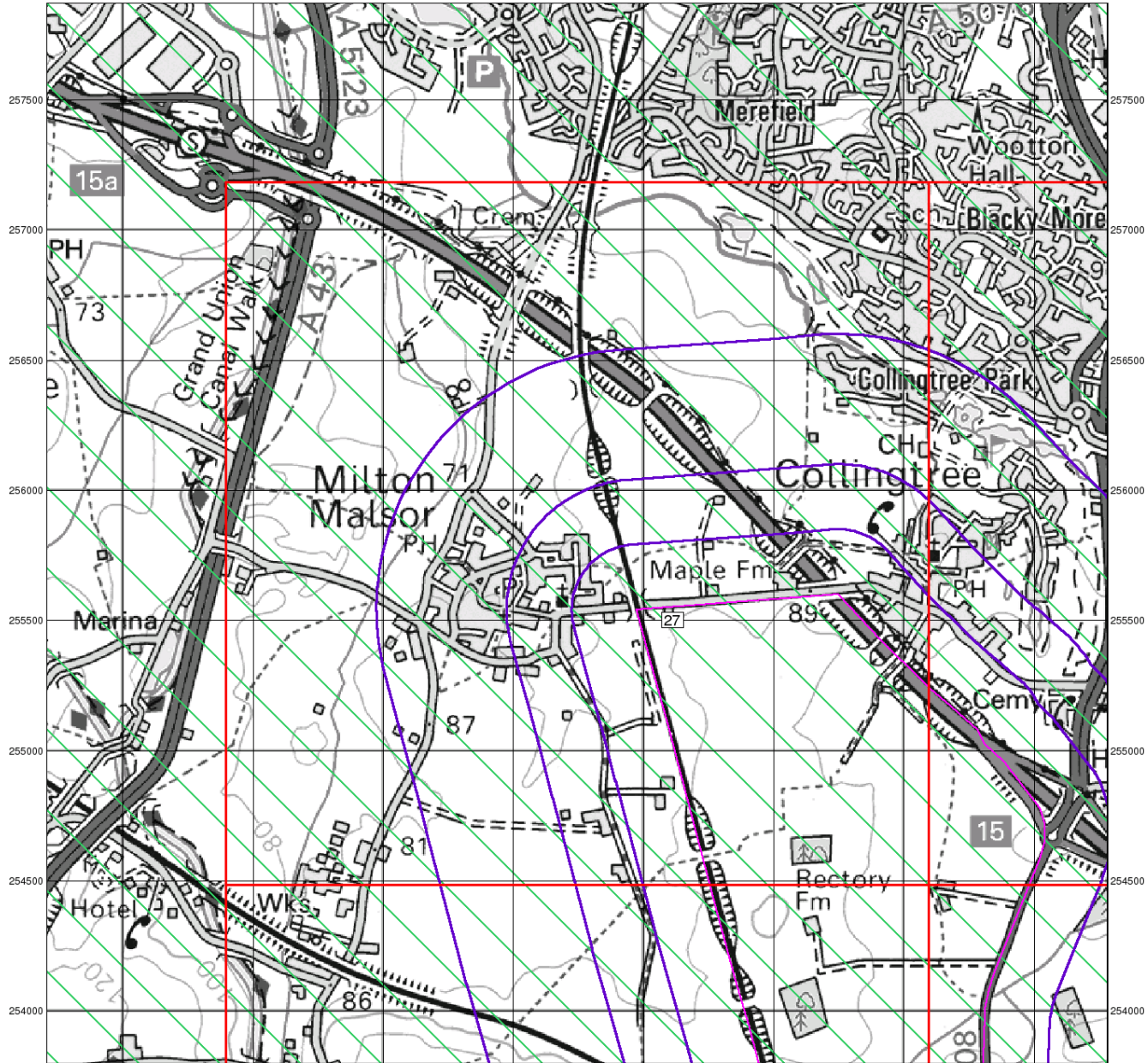
### Site Details

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### Sensitive Land Uses

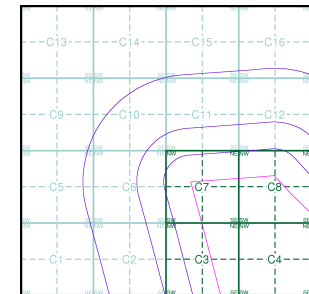
#### General

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

#### Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

### Site Sensitivity Context Map - Slice C



#### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

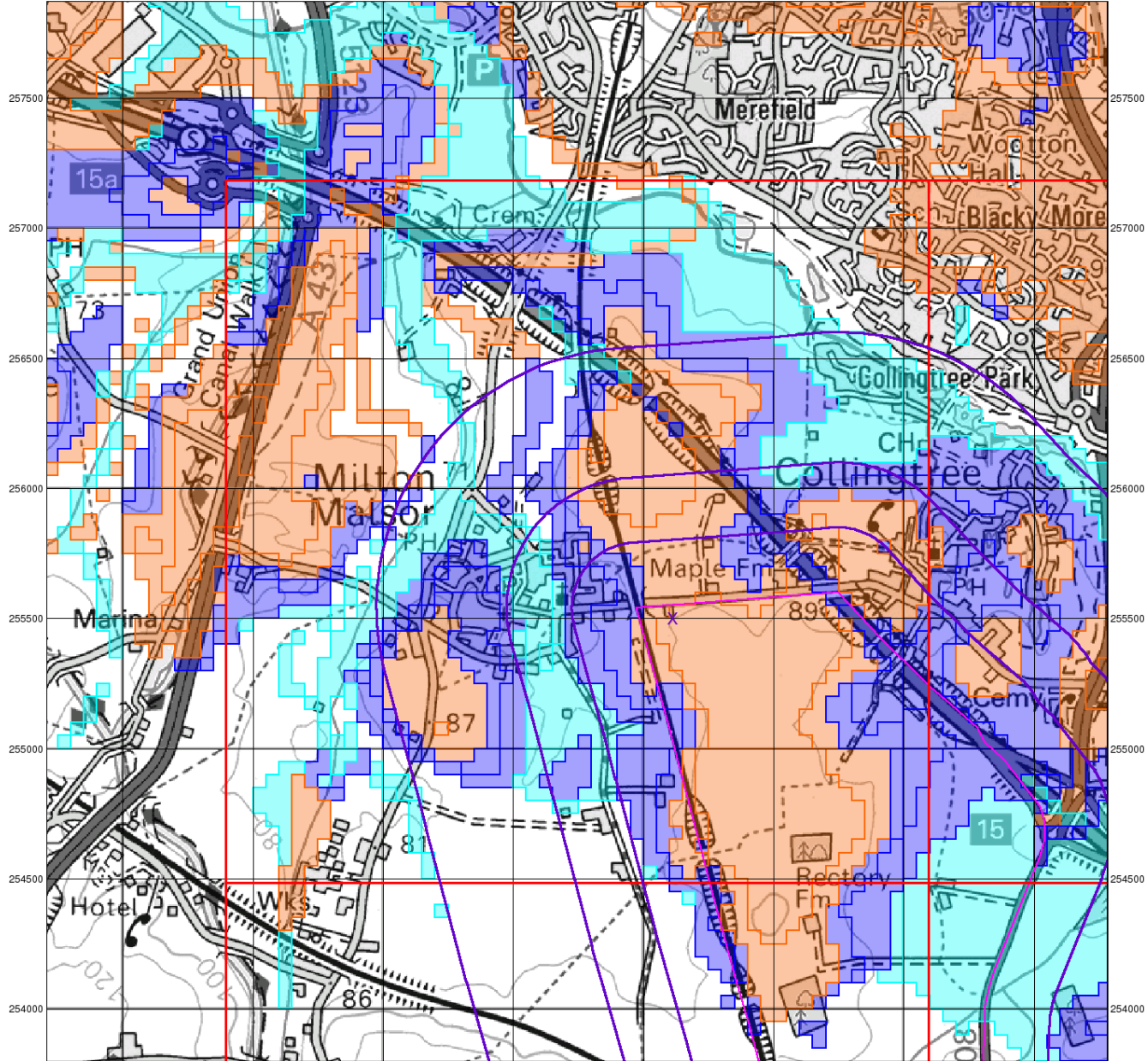
#### Site Details

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**BGS Flood GFS Data**

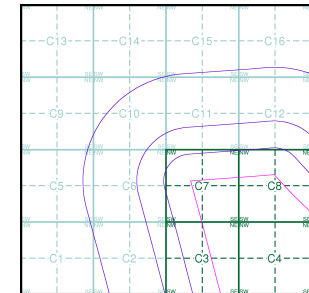
**General**

- 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 C**



**Order Details**

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



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 Fax: 0844 844 9951  
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## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

90632639\_1\_1

**Customer Reference:**

313418

**National Grid Reference:**

474110, 255500

**Slice:**

C

**Site Area (Ha):**

222.18

**Search Buffer (m):**

1000

#### Site Details:

M1 Junction 15  
NORTHAMPTON

#### Client Details:

Mrs D Martin  
RSK Environment Ltd  
Abbey Park  
Humber Road  
Coventry  
CV3 4AQ

<b>Report Section</b>	<b>Page Number</b>
<b>Summary</b>	-
<b>Agency &amp; Hydrological</b>	<b>1</b>
<b>Waste</b>	<b>13</b>
<b>Hazardous Substances</b>	-
<b>Geological</b>	<b>14</b>
<b>Industrial Land Use</b>	<b>17</b>
<b>Sensitive Land Use</b>	<b>18</b>
<b>Data Currency</b>	<b>19</b>
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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 the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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#### **Report Version v50.0**

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	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 6		4	1	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 7	Yes			
Pollution Incidents to Controlled Waters	pg 7			3	5
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 9				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 9		1		1 (*4)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 10	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Source Protection Zones					
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
Detailed River Network Lines	pg 11			Yes	n/a
Detailed River Network Offline Drainage					n/a



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)	pg 13				1
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 13	3	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
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					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 14	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 14		2		
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 14	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 15	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 15	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 16	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m</b>	<b>501 to 1000m (*up to 2000m)</b>
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 17		2		4
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
<b>Sensitive Land Use</b>					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 18	1			
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	474600 253950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C8SW (SE)	0	1	474650 255250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C4NW (SE)	0	1	474700 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8SE (E)	0	1	474800 255300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3SE (S)	0	1	474200 254550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	474250 254350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	475500 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	474400 254050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	474650 254050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	474300 254450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4SE (SE)	0	1	474850 254600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	474300 254300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C7NE (SW)	0	1	474112 255501
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3NE (S)	0	1	474200 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	474400 254000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8SE (E)	0	1	475000 255400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4SE (SE)	0	1	474950 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	475100 254950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	0	1	474950 254450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	474700 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	475500 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	475500 254750

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	C7NE (W)	0	1	474100 255501
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3SE (S)	0	1	474112 254500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	474350 254250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	474700 254400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	474800 254150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C4SE (SE)	0	1	475050 254600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	0	1	475500 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C8NW (E)	0	1	474700 255501
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3NE (S)	0	1	474112 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3SE (S)	0	1	474200 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4SE (SE)	0	1	474900 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8SE (E)	0	1	474900 255350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	0	1	475450 254900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8NE (E)	0	1	475000 255500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8SE (E)	0	1	474850 255400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C8NW (E)	0	1	474750 255500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C8NW (NE)	0	1	474550 255800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8SW (SE)	0	1	474700 255200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4NE (E)	0	1	475000 255150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4NE (SE)	0	1	474950 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C4NE (SE)	0	1	475000 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C7NW (W)	0	1	474000 255501

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	C7SE (S)	0	1	474150 255250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C7NE (NE)	0	1	474300 255700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8NW (E)	0	1	474750 255501
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C7NW (W)	0	1	473900 255550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3NE (S)	0	1	474150 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3NE (S)	0	1	474150 255150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3NE (S)	0	1	474200 255150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	8	1	475550 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8NE (E)	9	1	474900 255500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8SE (E)	10	1	474950 255450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	17	1	475550 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3NE (S)	19	1	474100 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	24	1	474300 254050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	26	1	475500 254900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	35	1	475550 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C8NW (NE)	50	1	474600 255750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	58	1	475600 254750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	62	1	474150 254450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	65	1	475650 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	66	1	475550 254900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	68	1	475200 255400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3SE (S)	85	1	474112 254550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	87	1	475500 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C7SW (SW)	91	1	473850 255250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	108	1	475650 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C8NE (E)	116	1	475000 255501
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	158	1	475700 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C7NE (NE)	173	1	474400 255750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C3SW (S)	181	1	474050 254550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	185	1	475200 255500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	191	1	475700 254950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	197	1	475600 255350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C8NE (E)	213	1	474900 255750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C3NW (SW)	213	1	473900 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	242	1	475600 254000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C7NW (NW)	271	1	473800 255750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C6NE (W)	274	1	473700 255501
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3NW (SW)	297	1	473800 255050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C11SW (N)	302	1	474050 255850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3NW (SW)	310	1	473800 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C12SW (NE)	312	1	474550 255900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C12SW (NE)	316	1	474450 255900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C12SW (NE)	350	1	474600 255950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C6SE (W)	350	1	473650 255400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C12SE (NE)	354	1	474800 255950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C6NE (NW)	361	1	473650 255700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	367	1	475700 255300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	383	1	475500 255501
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C6NE (NW)	385	1	473650 255750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	390	1	475700 253950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C12SW (NE)	400	1	474600 256000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C2NE (SW)	406	1	473700 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C3SW (SW)	408	1	473750 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C12SW (NE)	411	1	474500 256000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C11SE (NE)	426	1	474350 256000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C6NE (W)	426	1	473550 255500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C6SE (W)	434	1	473550 255450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C6NE (NW)	454	1	473600 255800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	C11SW (NW)	466	1	473750 255950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C6NE (W)	474	1	473500 255501
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C6NE (W)	478	1	473500 255600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C11SE (N)	480	1	474300 256050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C10SE (NW)	492	1	473700 255950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<b>Discharge Consents</b> Operator: Mr & Mrs Wiseman Property Type: Domestic Property (Single) Location: Maple Farm The Barn, Ash Lane, Colingtree, Northants, Nn4 0nb Authority: Environment Agency, Anglian Region Catchment Area: Wootton Brook (Gayton) Reference: Pr5lf3009 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land <b>Status: Varied under EPR 2010</b> Positional Accuracy: Located by supplier to within 10m	C8NW (E)	24	2	474570 255609
1	<b>Discharge Consents</b> Operator: Mr & Mrs Wiseman Property Type: Domestic Property (Single) Location: Maple Farm The Barn, Ash Lane, Colingtree, Northants, Nn4 0nb Authority: Environment Agency, Anglian Region Catchment Area: Wootton Brook (Gayton) Reference: Pr5lf3009 Permit Version: 1 Effective Date: 22nd April 1966 Issued Date: 22nd April 1966 Revocation Date: 13th December 2011 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 10m	C8NW (E)	24	2	474570 255609
2	<b>Discharge Consents</b> Operator: South Northants D.C. Property Type: Domestic Property (Multiple) Location: Railway Cottages 1&2 Collingtree Road, Milton Malsor, Northampton, Nn7 3af Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3004 Permit Version: 1 Effective Date: 22nd February 1966 Issued Date: 22nd February 1966 Revocation Date: 31st July 1997 Discharge Type: Unknown Discharge: Onto Land Environment: Receiving Water: Land <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 100m	C7NW (NW)	94	2	473900 255600
3	<b>Discharge Consents</b> Operator: Mr.A.C. Digby Property Type: Not Supplied Location: Milton Football Club Collingtree Road, Milton Malsor, Northampton Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3756 Permit Version: 1 Effective Date: 23rd January 1981 Issued Date: 23rd January 1981 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Onto Land Environment: Receiving Water: Land <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 100m	C7NW (W)	179	2	473800 255500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<b>Discharge Consents</b> Operator: Roy Mineards Property Type: Horticulture Est. Nursery Gardens Location: Roseacre Nursery Barn Lane, Milton Malsor, Northampton, Nn7 3ag Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3401 Permit Version: 1 Effective Date: 28th February 1977 Issued Date: 28th February 1977 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Onto Land Environment: Receiving Water: Land <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 10m	C3SW (S)	324	2	473910 254520
5	<b>Discharge Consents</b> Operator: Anglian Water Services Limited Property Type: Sewage Disposal Works - Water Company Location: Sso Milton Malsor, Lower Road, Milton Malsor Authority: Environment Agency, Anglian Region Catchment Area: Wootton Brook (Gayton) Reference: Aw5nf1808 Permit Version: 1 Effective Date: 6th April 1987 Issued Date: 6th April 1987 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Milton Brook <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 100m	C10SW (NW)	866	2	473280 256060
6	<b>Discharge Consents</b> Operator: Bryant Homes Ltd Property Type: Not Supplied Location: Western Area, Res. Dev. At East Hunsbury, Northampton Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5nf5082 Permit Version: 1 Effective Date: 30th September 1985 Issued Date: 30th September 1985 Revocation Date: 26th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Wootton Brook <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 10m	C16SE (NE)	962	2	474810 256560
	<b>Nearest Surface Water Feature</b>	C8SW (E)	0	-	474752 255470
7	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Wootton Brook Incident Date: 13th July 1993 Incident Reference: 1736 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C6NE (W)	280	2	473700 255600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Crude Sewage Note: Tributary Wootton Brook Incident Date: 5th December 1998 Incident Reference: 3599 Catchment Area: Not Given Receiving Water: Potential River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C6NE (W)	376	2	473600 255500
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Wootton Brook Incident Date: 7th April 1992 Incident Reference: 1314 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C11SW (N)	455	2	474000 256000
10	<b>Pollution Incidents to Controlled Waters</b> Property Type: Domestic/Residential Location: MILTON MALSOR Authority: Environment Agency, Anglian Region Pollutant: Sewage - Septic Tank Effluent Note: Tributary Of Wootton Brook Incident Date: 25th April 1997 Incident Reference: 3023 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Inadequate Construction Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C6NW (W)	775	2	473200 255500
10	<b>Pollution Incidents to Controlled Waters</b> Property Type: Domestic/Residential Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Sewage - Septic Tank Effluent Note: Tributary Wootton Brook Incident Date: 25th April 1997 Incident Reference: 3023 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Inadequate Construction Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C6SW (W)	775	2	473200 255495
11	<b>Pollution Incidents to Controlled Waters</b> Property Type: Domestic/Residential Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Sewage - Septic Tank Effluent Note: Tributary Wootton Brook Incident Date: 3rd April 1996 Incident Reference: 2677 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Inadequate Construction Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C6NW (W)	875	2	473100 255500
12	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Blisworth Brook Incident Date: 3rd September 1992 Incident Reference: 1451 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C6NW (W)	911	2	473100 255800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Surface Water Outfall Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Foam Note: Wootton Brook Incident Date: 16th February 1998 Incident Reference: 3274 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C12NE (NE)	935	2	475001 256501
	<b>River Quality</b> Name: Wootton Brk GQA Grade: River Quality B Reach: Quinton Bk...Gayton Arm Estimated Distance (km): 7 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	C12NE (NE)	823	2	474890 256469
14	<b>Water Abstractions</b> Operator: J L Sears Licence Number: 5/32/04/*g/049 Permit Version: Not Supplied Location: Well At, GLEBE HOUSE Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 13640 Details: Northampton Sanstone; 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 100m	C8NE (E)	167	2	474940 255640
15	<b>Water Abstractions</b> Operator: H C Sargeant & Sons Licence Number: 5/32/04/*S/0042 Permit Version: 100 Location: Spring At Milton Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C12SW (NE)	511	2	474600 256100
	<b>Water Abstractions</b> Operator: Collingtree Park Golf Course Ltd Licence Number: 5/32/04/*S/0055 Permit Version: 1 Location: Wootton Brook At Collingtree Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 18th June 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C15NE (N)	1474	2	474260 257040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Collingtree Park Golf Course Ltd Licence Number: 5/32/04/*S/0056 Permit Version: 1 Location: Wootton Brook At Collingtree Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 October Authorised End: 31 March Permit Start Date: 18th June 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C15NE (N)	1474	2	474260 257040
	<b>Water Abstractions</b> Operator: Collingtree Park Golf Course Licence Number: 5/32/04/*S/0052b Permit Version: 100 Location: Wootton Brook Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 October Authorised End: 31 March Permit Start Date: 1st March 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	C15NE (N)	1531	2	474300 257100
	<b>Water Abstractions</b> Operator: Collingtree Park Golf Course Licence Number: 5/32/04/*S/0052a Permit Version: 100 Location: Wootton Brook Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st March 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C15NE (N)	1531	2	474300 257100
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	C7NE (SW)	0	2	474112 255501
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	C8NE (E)	0	2	474875 255531
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H2) - Deep, permeable, coarse textured soils which readily transmit a wide range of pollutants because of their rapid drainage and low attenuation potential Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	C7NW (NW)	0	2	474071 255553
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	C3NE (S)	0	1	474112 255000
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	C4NE (SE)	0	1	475000 255000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	C7NE (SW)	0	1	474112 255501
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	C8NE (E)	0	1	475000 255501
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C3NE (SE)	0	1	474405 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C8SW (SE)	0	1	474458 255214
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C7SE (SE)	0	1	474336 255381
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	C7NE (SW)	0	1	474112 255501
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	C4NE (SE)	0	1	475000 255095
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C3NE (S)	0	1	474112 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C7NW (NW)	0	1	474062 255542
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C8NE (E)	0	1	475000 255501
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(SE)	0	1	475172 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(S)	0	1	474643 253964
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	C3NE (S)	0	1	474158 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	C4NE (SE)	0	1	475000 255000
	<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				
16	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C6SE (W)	357	2	473650 255326

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C6NE (W)	360	2	473624 255627
18	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C6NE (W)	371	2	473602 255525
19	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C6NE (W)	374	2	473601 255513
20	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C6NE (NW)	450	2	473570 255739
	<b>Detailed River Network Offline Drainage</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Milton Malsor Landfill Licence Number: 70648 Location: Weldon Plant Ltd, Milton Malsor, Northants, NN7 3AA Licence Holder: Weldon Plant Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Max Input Rate: Not Supplied <b>Licence Status: Closure</b> Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	C6NW (W)	930	2	473082 255804
	<b>Local Authority Landfill Coverage</b> Name: South Northamptonshire District Council - Has supplied landfill data		0	4	474112 255501
	<b>Local Authority Landfill Coverage</b> Name: Northamptonshire County Council - Has supplied landfill data		0	5	474112 255501
	<b>Local Authority Landfill Coverage</b> Name: Northampton Borough Council - Has no landfill data to supply		0	3	474504 255870

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Lias Group	C7NE (SW)	0	1	474112 255501
22	<b>BGS Recorded Mineral Sites</b> Site Name: Milton Sand Pit Location: , Milton, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139749 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	C7SW (SW)	178	1	473894 255159
23	<b>BGS Recorded Mineral Sites</b> Site Name: Milton Sand Pit Location: , Milton, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139748 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	C7SW (W)	217	1	473793 255380
	<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> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NE (S)	0	1	474112 255000
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NE (SE)	0	1	475000 255000
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C8NE (E)	0	1	475000 255501
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C7NE (SW)	0	1	474112 255501
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3NE (S)	0	1	474112 255000
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C4NE (SE)	0	1	475000 255000
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C7NE (SW)	0	1	474112 255501
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8NE (E)	0	1	475000 255501
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3NE (S)	0	1	474112 255000
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C7NE (SW)	0	1	474112 255501
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8NE (E)	0	1	475000 255501



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C4NE (SE)	0	1	475000 255000
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C7NE (SW)	0	1	474112 255501
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C8NE (E)	0	1	475000 255501
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NE (S)	0	1	474112 255000
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NE (SE)	0	1	475000 255000
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C7NE (SW)	0	1	474112 255501
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C8NE (E)	0	1	475000 255501
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NE (S)	0	1	474112 255000
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NE (SE)	0	1	475000 255000
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SW (S)	0	1	473902 254814
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C4NE (SE)	0	1	475000 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C3NE (S)	0	1	474158 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C7NE (SW)	0	1	474112 255501
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C4NE (SE)	0	1	475000 255095
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8SW (SE)	0	1	474458 255214
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3NE (SE)	0	1	474405 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C7SE (SE)	0	1	474336 255381
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C7NW (NW)	0	1	474062 255542
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8NE (E)	0	1	475000 255501
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3NE (S)	0	1	474112 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C7SW (SW)	52	1	473851 255219

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	C3NW (S)	0	1	474075 255001
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	C7NW (W)	0	1	474075 255501
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	C7NE (SW)	0	1	474112 255501
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	C8NE (E)	0	1	475000 255501
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	C3NE (S)	0	1	474112 255001
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	C4NE (SE)	0	1	475000 255001
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	C3NW (S)	0	1	474075 255001
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	C7NW (W)	0	1	474075 255501
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	C7NE (SW)	0	1	474112 255501
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	C8NE (E)	0	1	475000 255501
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	C3NE (S)	0	1	474112 255001
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	C4NE (SE)	0	1	475000 255001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<b>Contemporary Trade Directory Entries</b> Name: Puras Ltd Location: Maple Farmhouse, Ash Lane, Collingtree, Northampton, Northamptonshire, NN4 0NB Classification: Car Accessories Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	C8NW (E)	46	-	474558 255630
24	<b>Contemporary Trade Directory Entries</b> Name: Central Foods Group Ltd Location: Maple Court, Ash Lane, Collingtree, NORTHAMPTON, NN4 0NB Classification: Frozen Food Processors & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	C8NW (E)	88	-	474554 255672
25	<b>Contemporary Trade Directory Entries</b> Name: R R R Cars Location: 11, Lower Road, Milton Malsor, Northampton, NN7 3AW Classification: Car Engine Tuning & Diagnostic Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	C10SE (NW)	607	-	473449 255846
25	<b>Contemporary Trade Directory Entries</b> Name: Milton Cleaning Services Location: 15, Lower Road, Milton Malsor, Northampton, NN7 3AW Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	C10SE (NW)	626	-	473433 255857
26	<b>Contemporary Trade Directory Entries</b> Name: Brian Currie (Northampton) Location: Gayton Rd, Milton Malsor, Northampton, Northamptonshire, NN7 3AB Classification: Commercial Vehicle Dealers <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	C5NE (W)	906	-	473068 255550
26	<b>Contemporary Trade Directory Entries</b> Name: Brian Currie Northampton Location: Gayton Rd, Milton Malsor, Northampton, NN7 3AB Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	C5NE (W)	906	-	473068 255550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	C7NE (SW)	0	6	474112 255501

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

Agency & Hydrological	Version	Update Cycle
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	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	June 1996	Not Applicable
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Northern Area	May 2016	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Northern Area	April 2016	Quarterly
<b>Local Authority Landfill Coverage</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	February 2016 February 2016 November 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	February 2016 February 2016 May 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
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 Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	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	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified

<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	June 2016	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	June 2016	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Underground Electrical Cables</b> National Grid	January 2016	Bi-Annually
<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Ancient Woodland</b> Natural England	June 2015	Bi-Annually
<b>Areas of Outstanding Natural Beauty</b> Natural England	April 2016	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	April 2016	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Parks</b> Natural England	March 2016	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
<b>Ramsar Sites</b> Natural England	April 2016	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	April 2016	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	April 2016	Bi-Annually
<b>Special Protection Areas</b> Natural England	April 2016	Bi-Annually
<b>World Heritage Sites</b> English Heritage - National Monument Record Centre	September 2015	Bi-Annually



A selection of organisations who provide data within this report

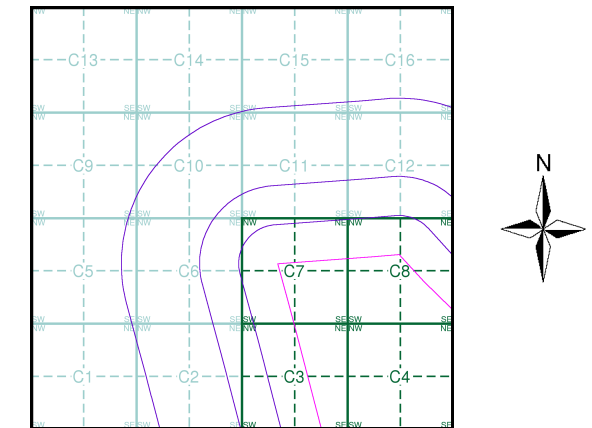
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
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>Northampton Borough Council - Environmental Health Department</b> Cliftonville House, Bedford Road, Northampton, Northamptonshire, NN4 7NR	Telephone: 0300 330 7000 Website: www.northampton.gov.uk
4	<b>South Northamptonshire Council - Environmental Health Department</b> Springfields, Towcester, Northamptonshire, NN12 6AE	Telephone: 0845 2300226 Fax: 01327 359219 Website: www.southnorthants.gov.uk
5	<b>Northamptonshire County Council</b> County Hall, Northampton, Northamptonshire, NN1 1DN	Telephone: 0300 126 1000 Website: www.northamptonshire.gov.uk
6	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
-	<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.

- 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 Enforcement
  - 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

### Site Sensitivity Map - Slice C

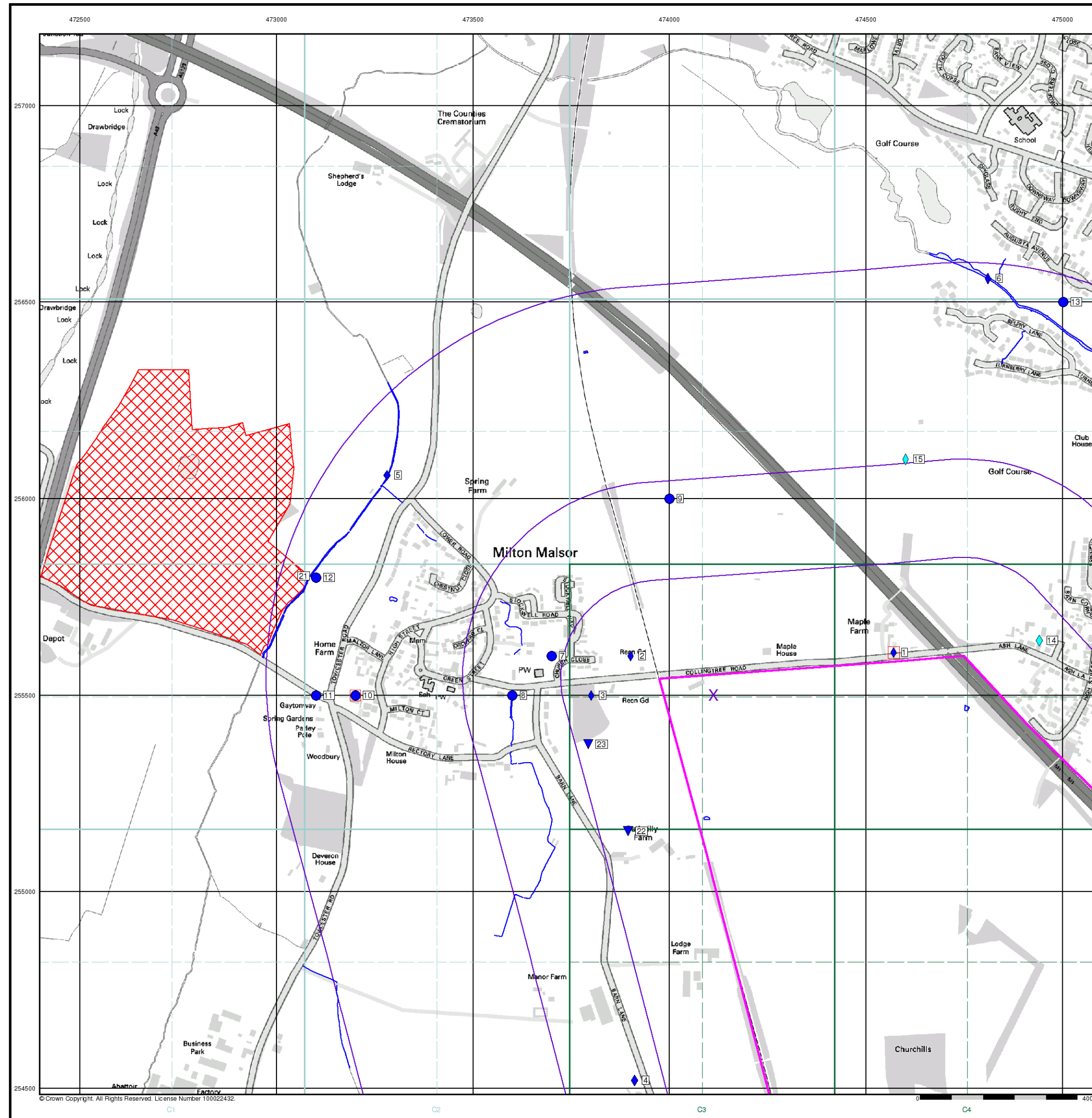


### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details






M1 Junction 15, NORTHAMPTON







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### Industrial Land Use Map

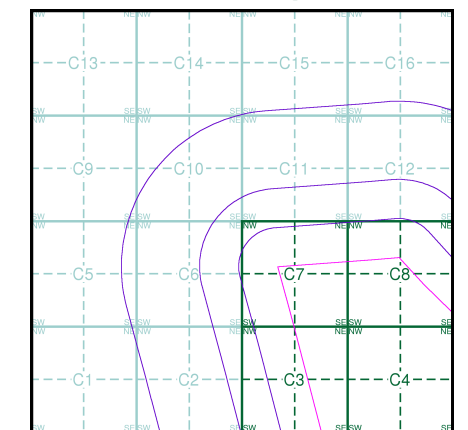
#### General

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

#### Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Underground Electrical Cables

### Industrial Land Use Map - Slice C

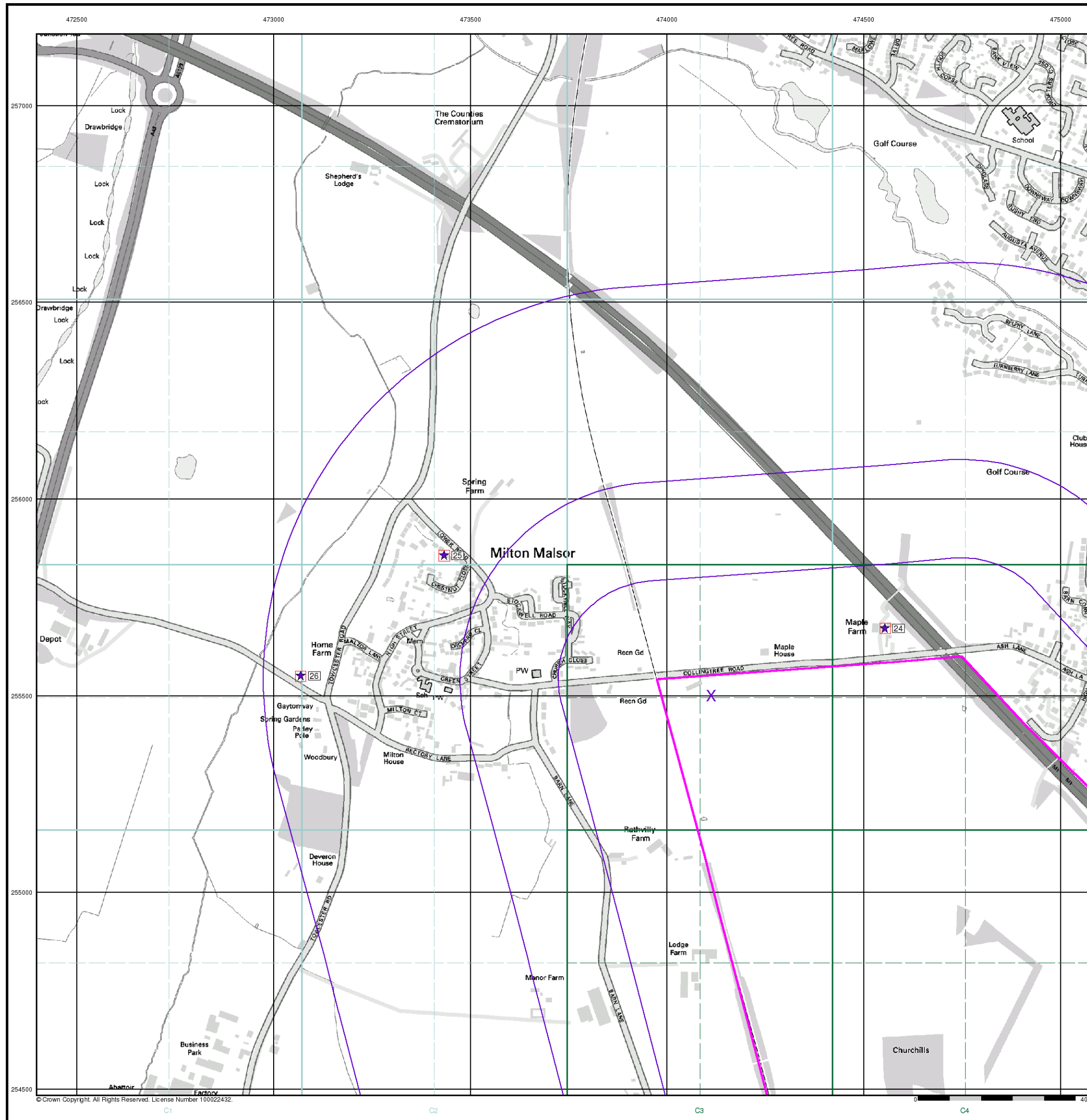


#### Order Details




Order Number: 90632639\_1\_1  
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 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

#### Site Details






M1 Junction 15, NORTHAMPTON



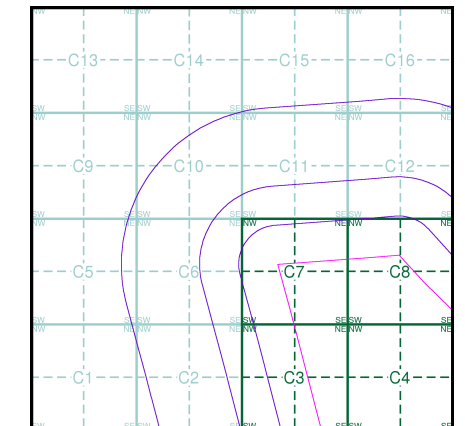
**General**

-  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 C**

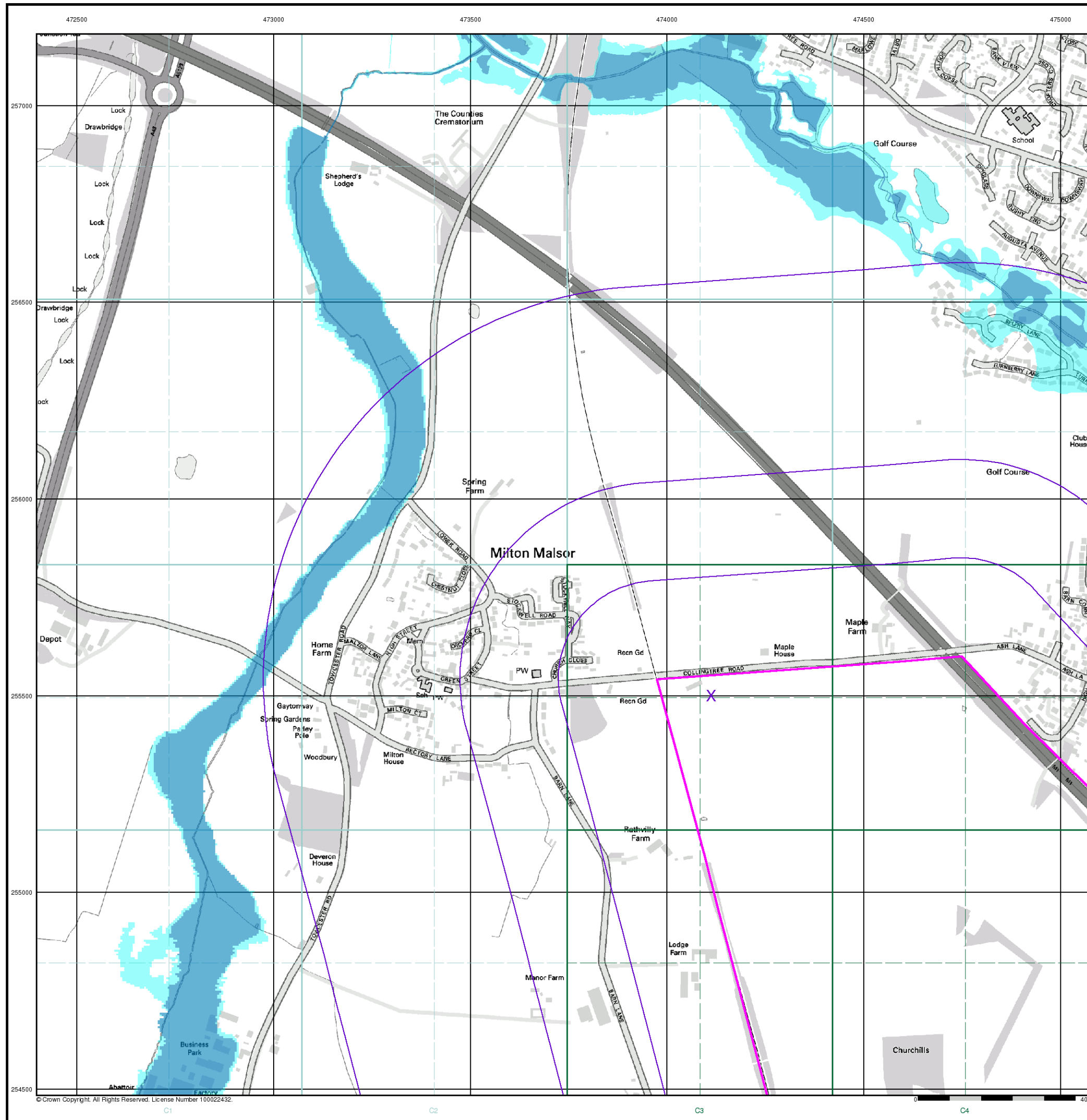


**Order Details**

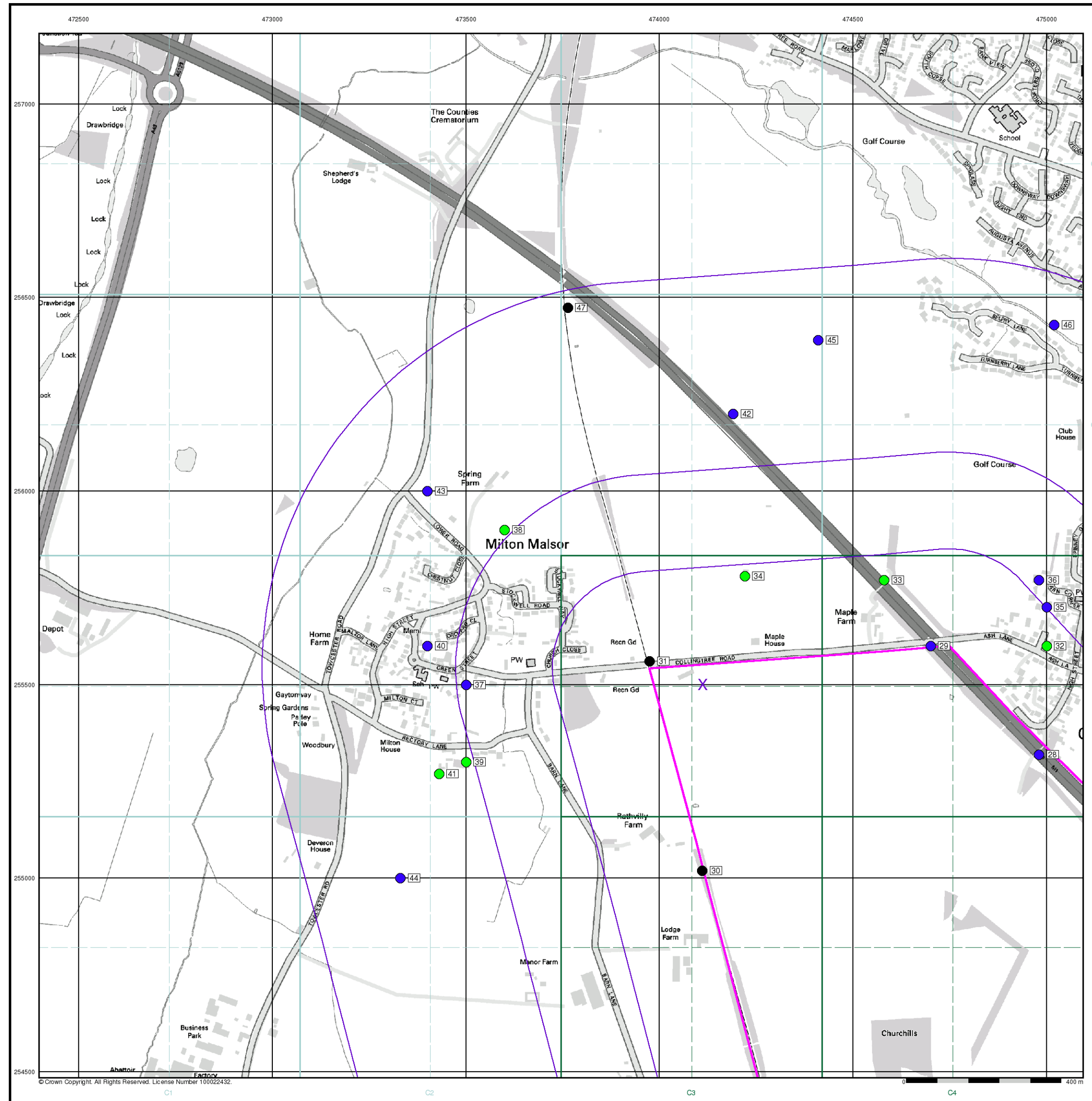
Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

**Site Details**






M1 Junction 15, NORTHAMPTON








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**General**

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

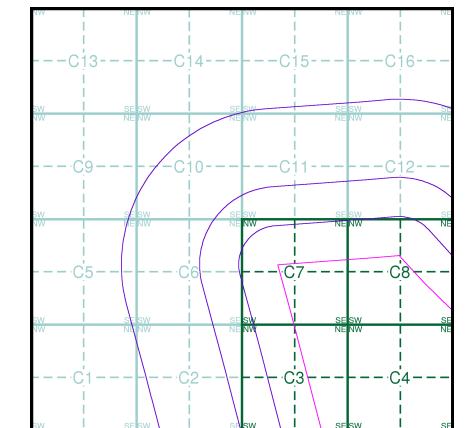
**Agency and Hydrological (Boreholes)**

-  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 C**



**Order Details**

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000















**Site Details**

M1 Junction 15, NORTHAMPTON

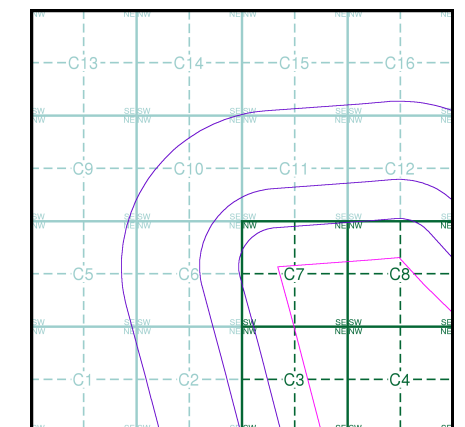
### General

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

### Detailed River Network Data

- |  |   |
|--|---|
|  Primary River            |  Extended Culvert (greater than 50m) |
|  Secondary River          |  Underground River (inferred)        |
|  Tertiary River           |  Underground River (local knowledge) |
|  Canal                    |  Downstream of High Water Mark       |
|  Canal Tunnel             |  Downstream of Seaward Extension     |
|  Undefined River          |  Not assigned River feature          |
|  Lake/Reservoir           |   |
|  Offline Drainage Feature |   |

### E/ANRW Detailed River Network Map - Slice C

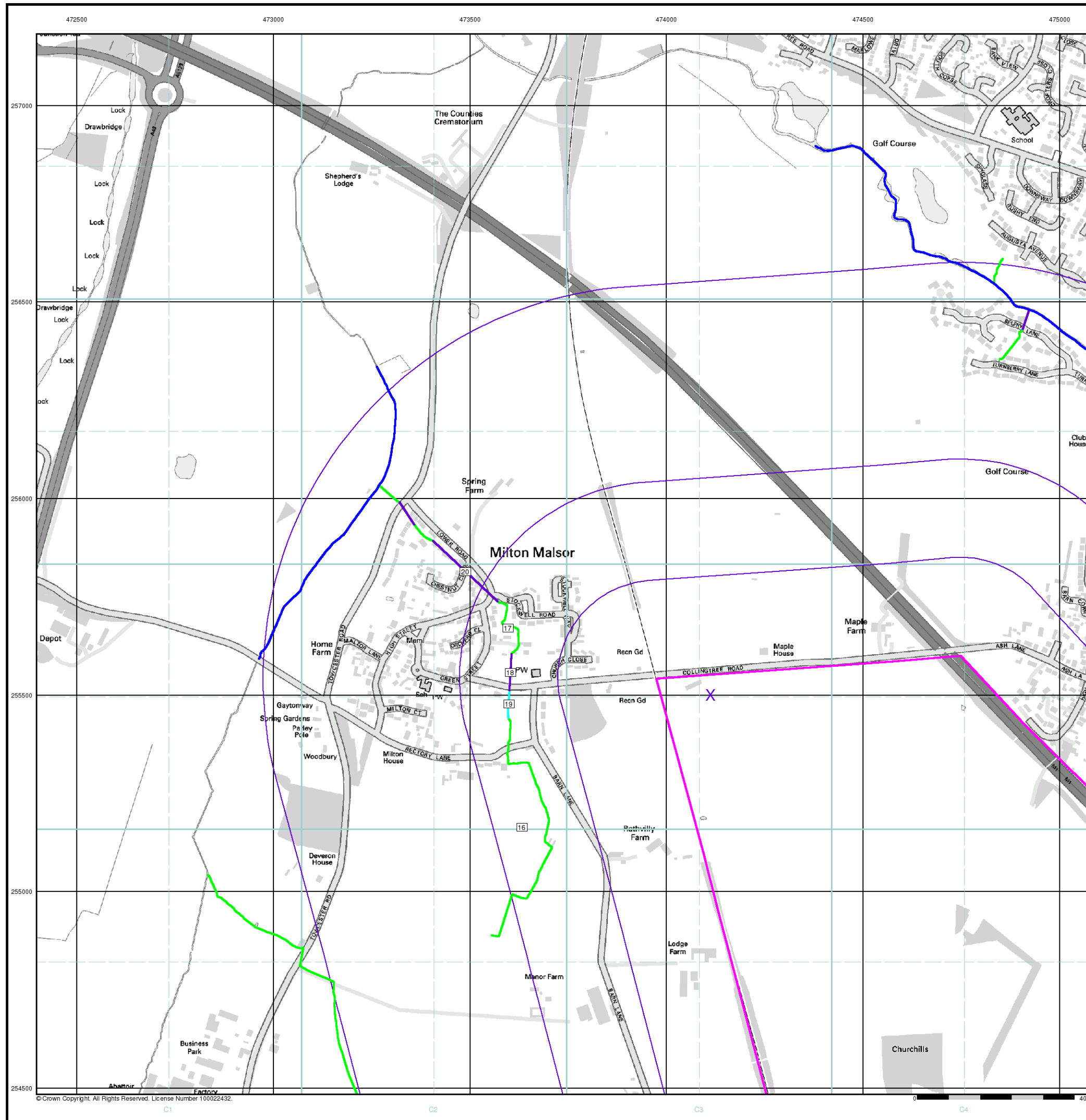


### Order Details

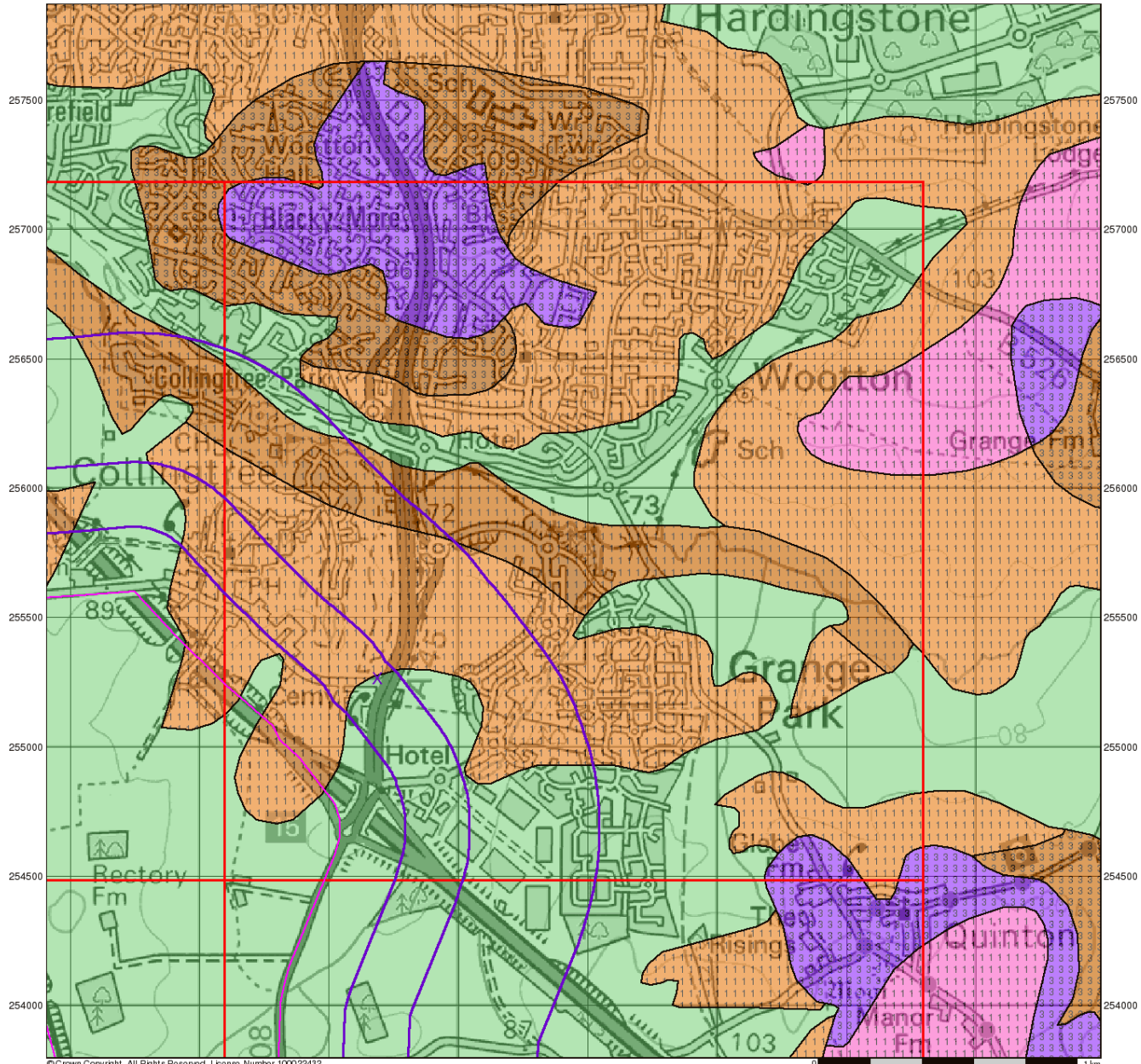
Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 474110, 255500  
 Slice: C  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



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## Groundwater Vulnerability

### General

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

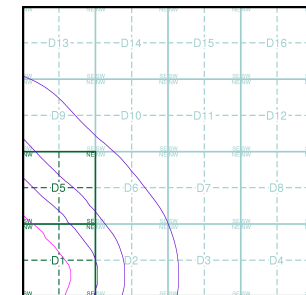
### Agency and Hydrological

#### Geological Classes

- |   |  |                       |
|---|--|-----------------------|
| <b>Major Aquifer<br/>(Highly Permeable)</b>   |  | High (H) 1, 2, 3, U   |
|   |  | Intermediate (I) 1, 2 |
|   |  | Low                   |
| <b>Minor Aquifer<br/>(Variably Permeable)</b> |  | High (H) 1, 2, 3, U   |
|   |  | Intermediate (I) 1, 2 |
|   |  | Low                   |
| <b>Non Aquifer<br/>(Negligibly Permeable)</b> |  |                       |
| <b>Water or Sea</b>                           |  |                       |
| <b>Drift Deposit</b>                          |  |                       |

#### Soil Classes

### Site Sensitivity Context Map - Slice D



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 22.18  
 Search Buffer (m): 1000

### Site Details

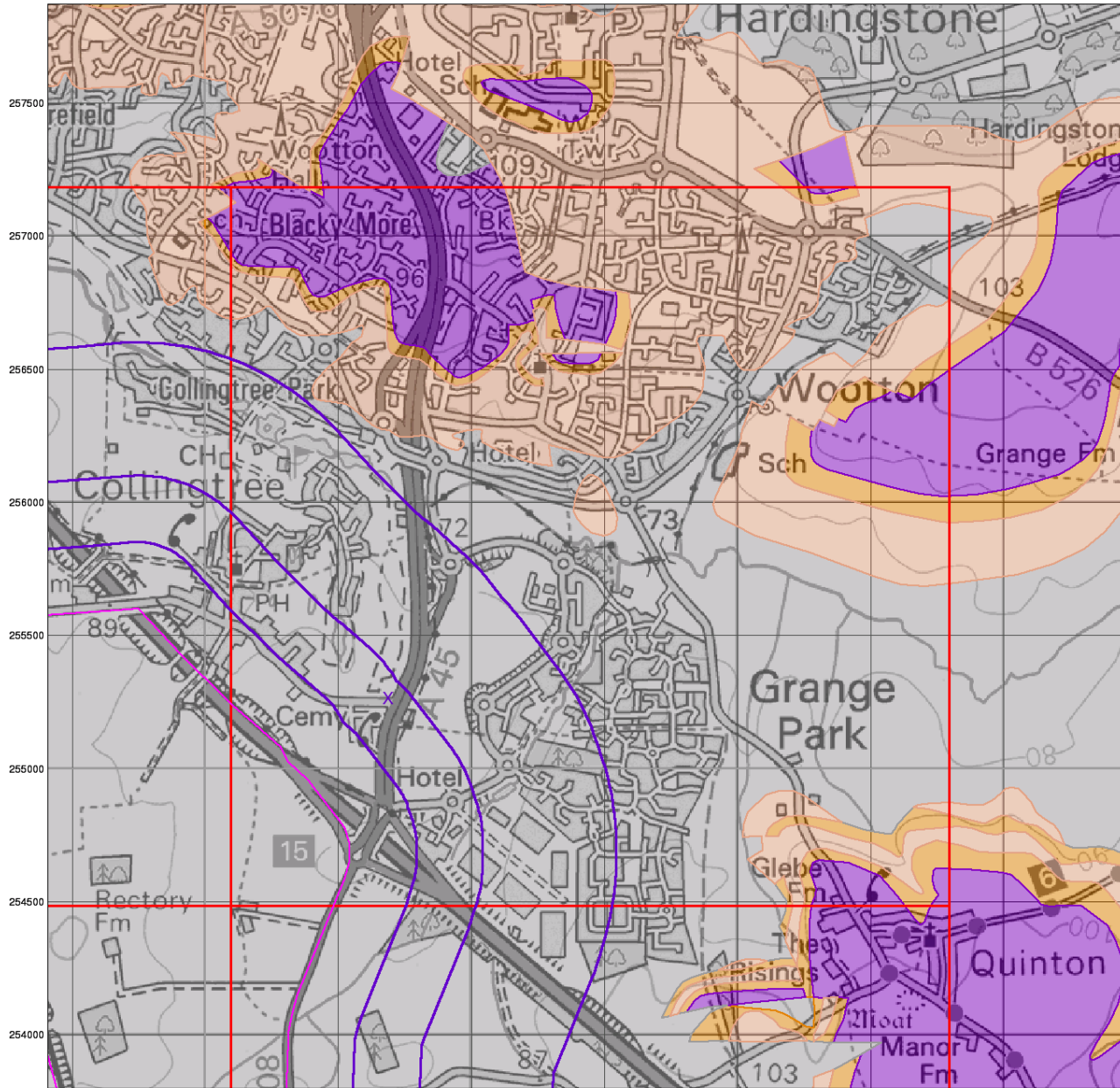
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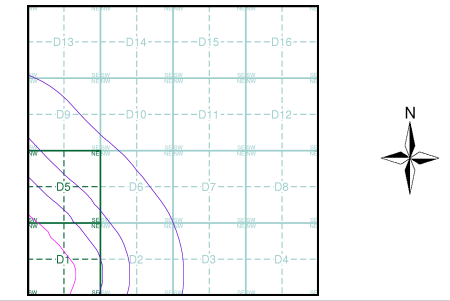
## Bedrock Aquifer Designation

- 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 D



### Order Details

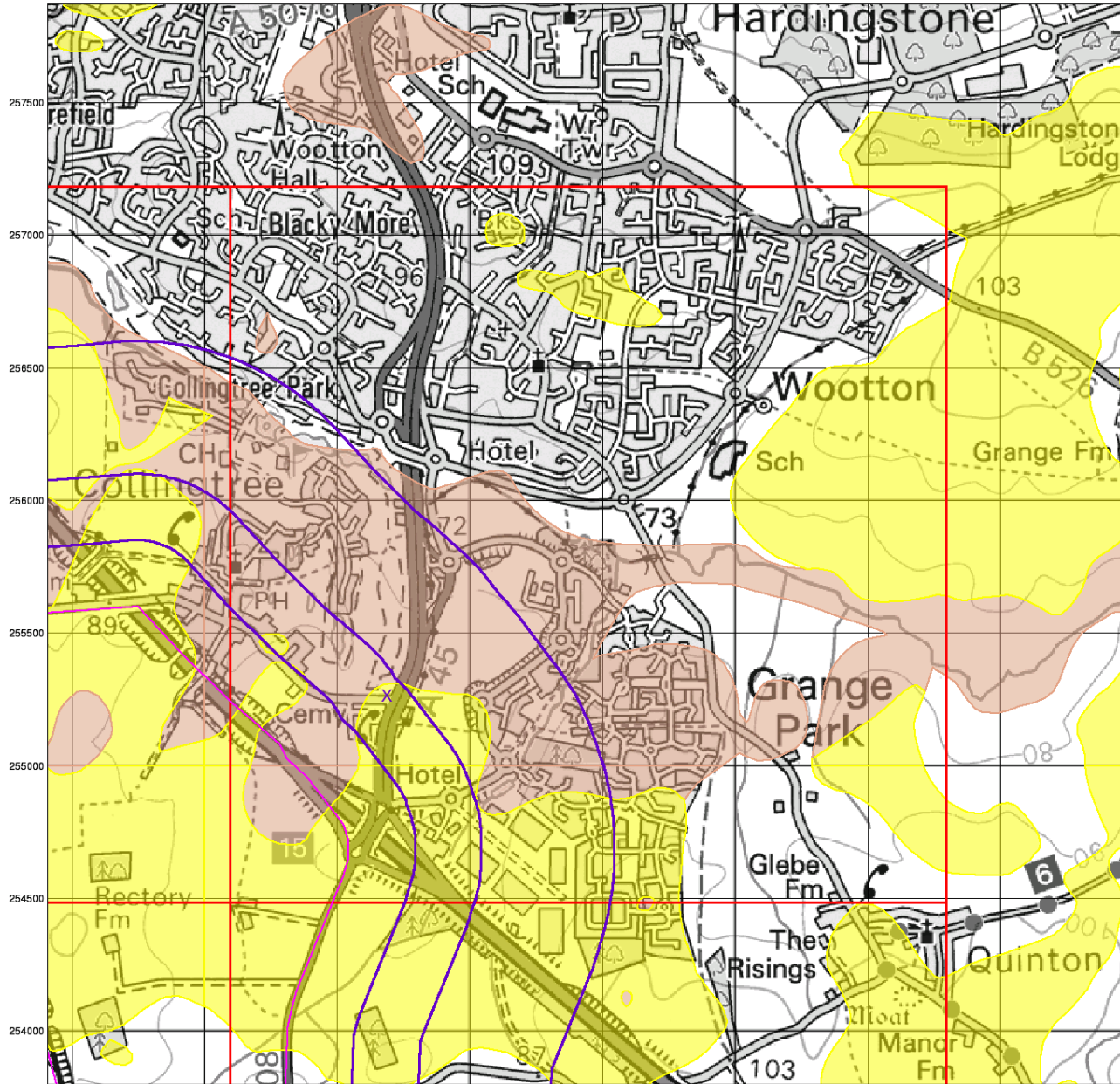
Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details

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## Superficial Aquifer Designation

### General

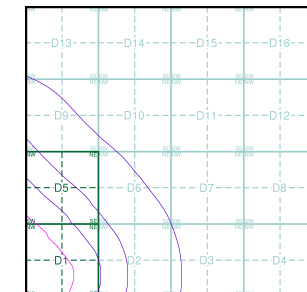
- ◆ Specified Site
- ⬮ Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

### 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 D



### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

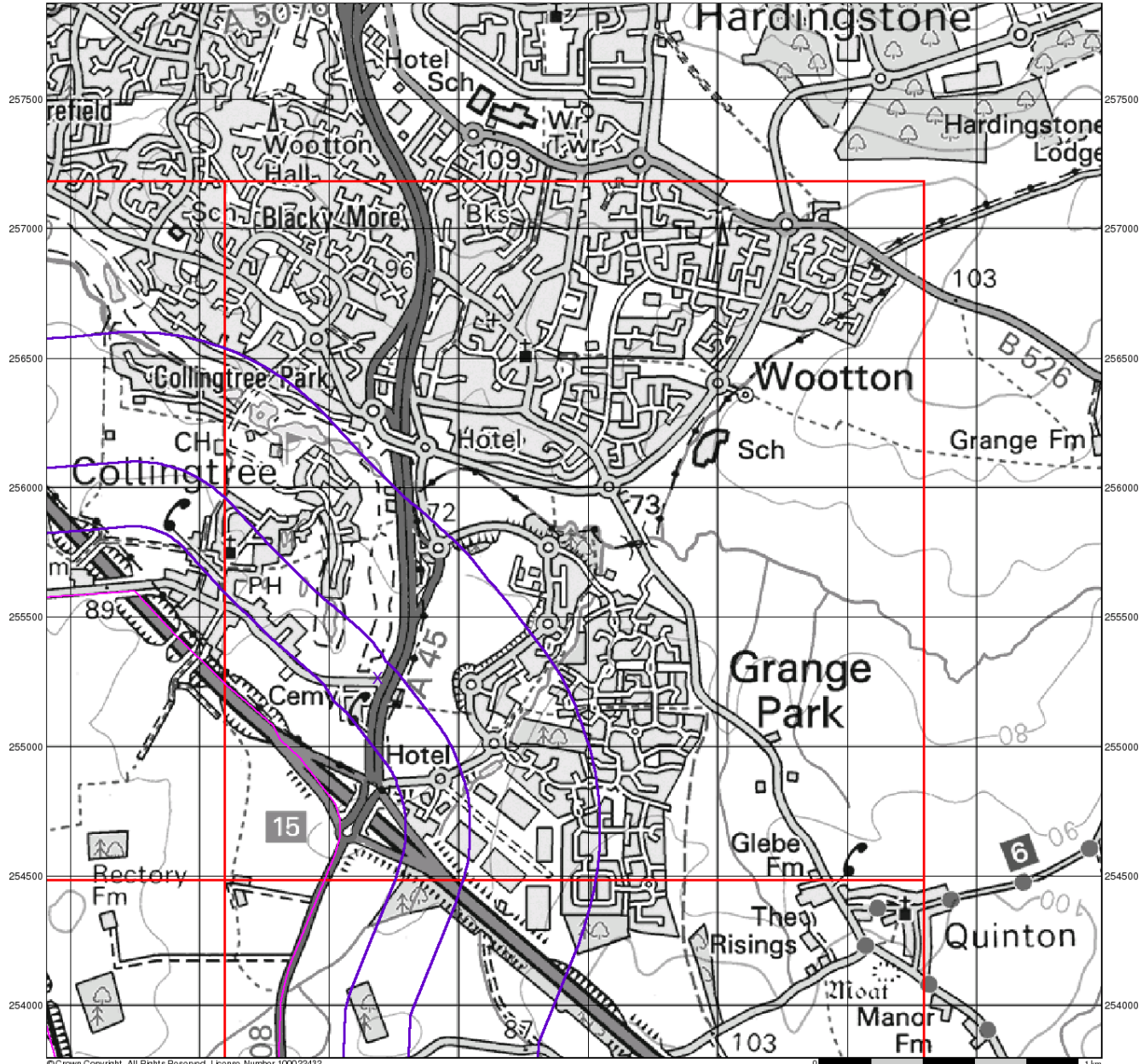
### Site Details

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### Source Protection Zones

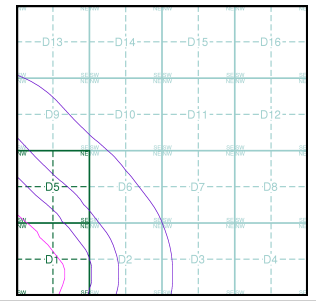
#### General

- 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)
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice D



#### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

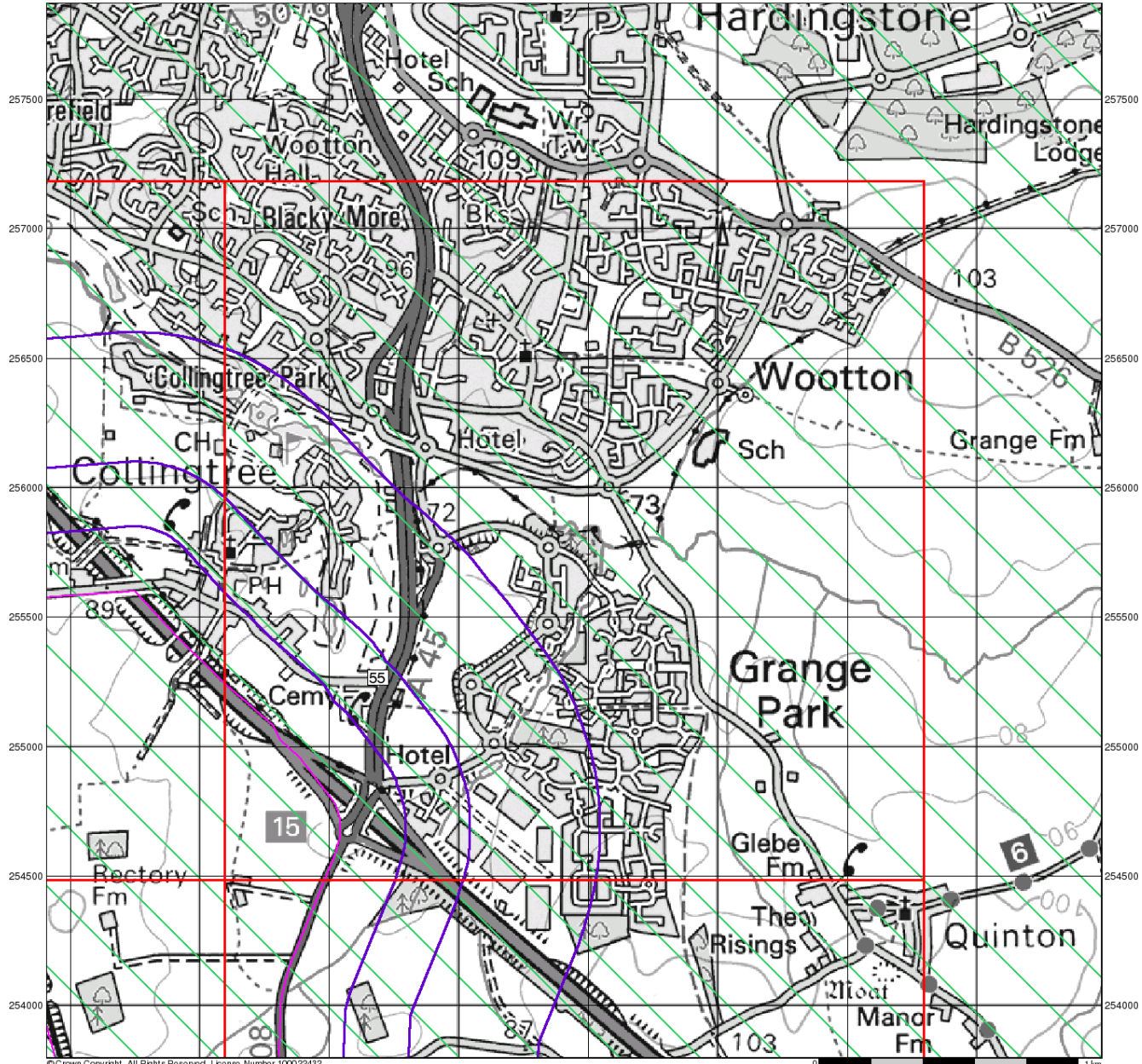
#### Site Details

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### Sensitive Land Uses

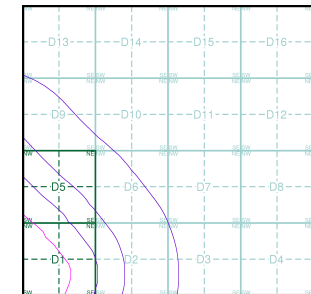
#### General

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

#### Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

### Site Sensitivity Context Map - Slice D



#### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

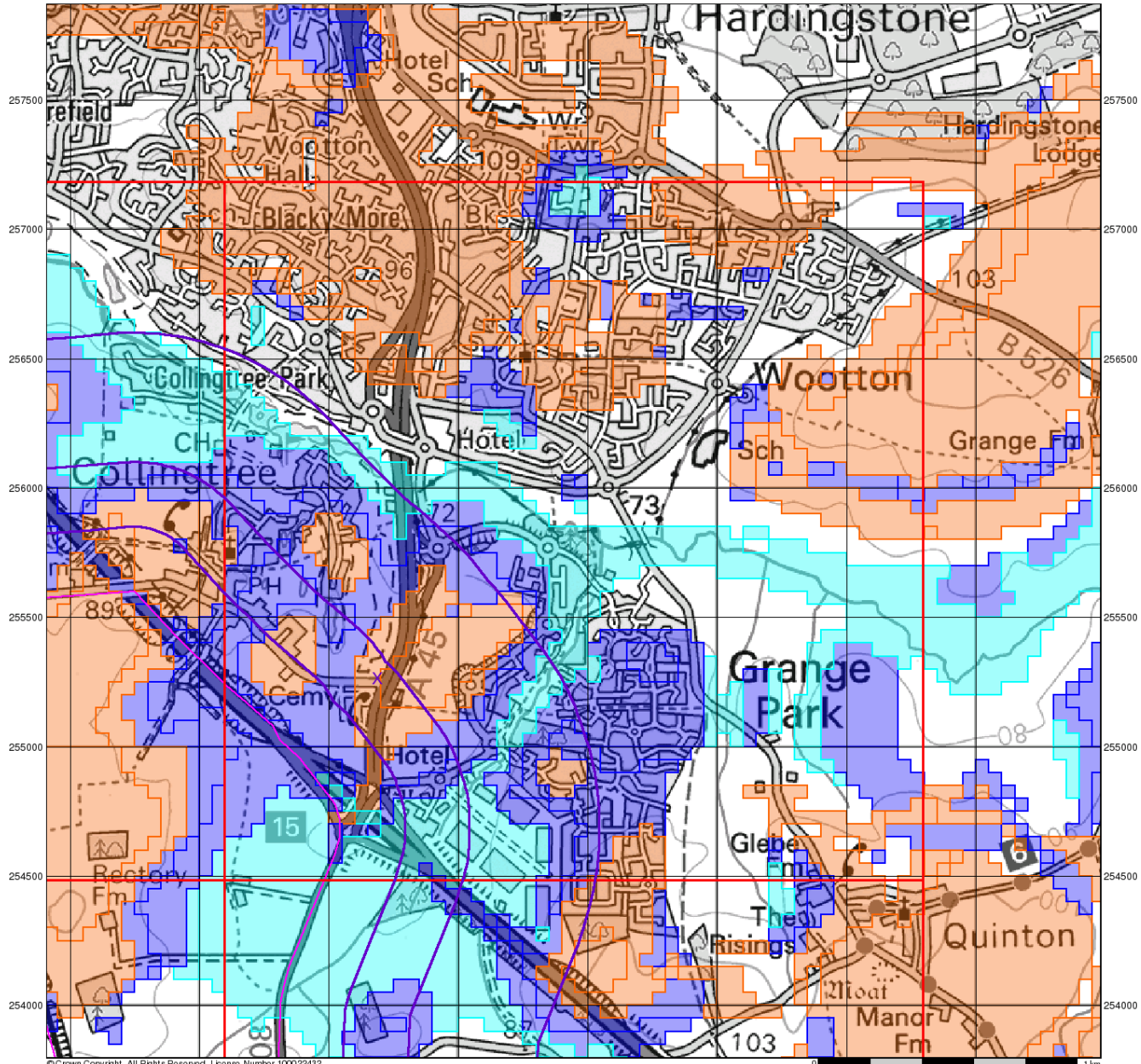
#### Site Details

M1 Junction 15, NORTHAMPTON



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**BGS Flood GFS Data**

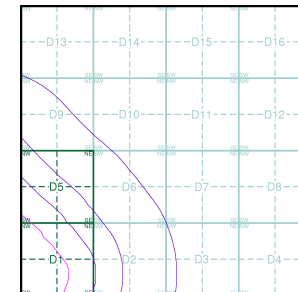
**General**

- 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 D**



**Order Details**

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



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## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

90632639\_1\_1

**Customer Reference:**

313418

**National Grid Reference:**

475690, 255260

**Slice:**

D

**Site Area (Ha):**

222.18

**Search Buffer (m):**

1000

#### Site Details:

M1 Junction 15  
NORTHAMPTON

#### Client Details:

Mrs D Martin  
RSK Environment Ltd  
Abbey Park  
Humber Road  
Coventry  
CV3 4AQ

<b>Report Section</b>	<b>Page Number</b>
<b>Summary</b>	-
<b>Agency &amp; Hydrological</b>	<b>1</b>
<b>Waste</b>	<b>11</b>
<b>Hazardous Substances</b>	-
<b>Geological</b>	<b>16</b>
<b>Industrial Land Use</b>	<b>18</b>
<b>Sensitive Land Use</b>	<b>20</b>
<b>Data Currency</b>	<b>21</b>
<b>Data Suppliers</b>	<b>25</b>
<b>Useful Contacts</b>	<b>26</b>

#### **Introduction**

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

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

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#### **Report Version v50.0**

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	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 4				5
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 5				3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature		Yes			
Pollution Incidents to Controlled Waters	pg 6		2		3
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 6				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 7			1	1
Water Industry Act Referrals					
Groundwater Vulnerability	pg 7	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones					
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
Detailed River Network Lines	pg 8	Yes	Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 10			Yes	n/a



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	pg 11				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 11			1	5
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 12	3	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 12				2
Registered Landfill Sites	pg 12				6
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					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 16	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 16				2
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 16	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 16	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 16	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 16	Yes	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>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m</b>	<b>501 to 1000m (*up to 2000m)</b>
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 18			4	13
Fuel Station Entries	pg 19				1
Gas Pipelines					
Underground Electrical Cables					
<b>Sensitive Land Use</b>					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 20	1			
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: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	474700 253950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	474900 255300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	474950 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	474900 255264
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1SE (S)	0	1	475550 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	474450 254050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	474700 254050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	474900 254600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	474800 255350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	474850 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	474450 254000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NW (SW)	0	1	475400 255050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	475000 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NE (SW)	0	1	475500 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	475000 254450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	474750 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1SE (S)	0	1	475550 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1SE (S)	0	1	475600 254750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	474550 255600
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	474800 254350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	474850 254150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1SE (S)	0	1	475750 254800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1NE (S)	0	1	475550 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	474750 255500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	474950 254650
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	474950 255300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1NE (SW)	0	1	475500 254900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D5SE (W)	0	1	475600 255264
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	474900 255350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	474800 255450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	475000 255450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	475000 255100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NW (SW)	0	1	475200 255050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	475000 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NW (SW)	0	1	475150 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	474800 255550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	475000 255264
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1SE (S)	8	1	475650 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	9	1	474950 255450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	10	1	475000 255400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1SE (S)	17	1	475600 254800
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NE (S)	26	1	475550 254900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NE (S)	35	1	475600 254850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	50	1	474750 255650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D1SE (S)	58	1	475688 254750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1NE (S)	65	1	475688 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NE (S)	66	1	475600 254900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D5SE (W)	68	1	475450 255264
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NE (S)	87	1	475650 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1SE (S)	108	1	475688 254700
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D5NW (NW)	116	1	475100 255550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D2NW (SE)	158	1	475850 254900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	173	1	474450 255750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D5SW (NW)	185	1	475300 255450
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1NE (S)	191	1	475750 255000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D5SE (S)	197	1	475688 255264
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	213	1	474950 255750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	242	1	475750 254100
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	258	1	475800 253500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	312	1	474600 255900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	316	1	474600 255950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D2SW (S)	323	1	475850 254550
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	350	1	474750 255950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	354	1	475000 255950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D2NW (SE)	355	1	475800 255050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	D5SE (E)	367	1	475700 255264

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D5SE (NW)	383	1	475550 255400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D2SW (S)	385	1	475900 254500
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	390	1	475700 253950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	400	1	475000 256050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	411	1	475000 256100
1	<b>Discharge Consents</b> Operator: Mr S Mangaleswaran Property Type: Retail Filling Stations Location: Garage The Old Sandpit, A508 Near Courteenhall, Northampton Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Pr5nf5134 Permit Version: 1 Effective Date: 18th March 1986 Issued Date: 18th March 1986 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Wootton Brook <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 100m	D6NW (N)	811	2	475840 255670
2	<b>Discharge Consents</b> Operator: Bryant Homes Ltd Property Type: Not Supplied Location: Central Area, Res. Dev. At East Hunsbury, Northampton Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5nf5083 Permit Version: 1 Effective Date: 30th September 1985 Issued Date: 30th September 1985 Revocation Date: 26th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Wootton Brook <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 10m	D9NW (NW)	854	2	475120 256370
3	<b>Discharge Consents</b> Operator: Courteenhall Estates Ltd Property Type: Not Supplied Location: The Old Sandpit, A508 Courteenhall, Northampton, Nn7 2qe Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf5135 Permit Version: 1 Effective Date: 18th March 1986 Issued Date: 18th March 1986 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Onto Land Environment: Receiving Water: Land <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 10m	D6NW (NE)	882	2	475920 255690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p><b>Discharge Consents</b></p> <p>Operator: Irh (Development Services) Ltd  Property Type: Not Supplied  Location: Golf And Leisure Co At Collingtree, Northampton  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Pr5nf5329  Permit Version: 1  Effective Date: 13th April 1987  Issued Date: 13th April 1987  Revocation Date: 11th February 1992  Discharge Type: Discharge Of Other Matter-Surface Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wootton Brook  <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	D9NW (N)	909	2	475330 256300
5	<p><b>Discharge Consents</b></p> <p>Operator: Bryant Homes Ltd  Property Type: Not Supplied  Location: Eastern Area, Res. Dev. At East Hunsbury, Northampton  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Pr5nf5084  Permit Version: 1  Effective Date: 30th September 1985  Issued Date: 30th September 1985  Revocation Date: 26th February 1992  Discharge Type: Discharge Of Other Matter-Surface Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wootton Brook  <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	D9SE (N)	976	2	475560 256160
6	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Grange Park Dry Cleaners  Location: Unit 2 Wilks Walk, Grange Park, Northampton, Nn4 5dl  Authority: South Northamptonshire Council, Environmental Health Department  Permit Reference: DC/02  Dated: 31st January 2014  Process Type: Local Authority Pollution Prevention and Control  Description: PG6/46 Dry cleaning  <b>Status: Permitted</b>  Positional Accuracy: Manually positioned to the address or location</p>	D2NE (E)	720	3	476144 255141
7	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Grange Farm Service Station  Location: Grange Farm, A508 Southbound, Collingtree, NORTHAMPTON, Northamptonshire, NN7 0LY  Authority: South Northamptonshire Council, Environmental Health Department  Permit Reference: 78/1.2/05  Dated: 23rd December 1998  Process Type: Local Authority Pollution Prevention and Control  Description: PG1/14 Petrol filling station  <b>Status: Permitted</b>  Positional Accuracy: Manually positioned to the address or location</p>	D6NW (NE)	786	3	475844 255630
7	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Murco Service Station  Location: London Road, Northampton, Nn4 9aj  Authority: Northampton Borough Council, Environmental Health Department  Permit Reference: 78  Dated: Not Supplied  Process Type: Local Authority Pollution Prevention and Control  Description: PG1/14 Petrol filling station  <b>Status: Authorised</b>  Positional Accuracy: Manually positioned to the address or location</p>	D6NW (NE)	788	4	475844 255633
	<p><b>Nearest Surface Water Feature</b></p>	D1SE (S)	0	-	475505 254705

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road Location: Kettering District, NORTHAMPTON Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Wootton Brook Incident Date: 1st March 1999 Incident Reference: 3645 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	D1SE (S)	58	2	475600 254700
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Wootton Brook Incident Date: 18th June 1998 Incident Reference: 3411 Catchment Area: Not Given Receiving Water: Groundwater Cause of Incident: Leaking Tank Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	D1SE (S)	175	2	475700 254800
10	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Wootton Brook Incident Date: 11th May 1998 Incident Reference: 3390 Catchment Area: Not Given Receiving Water: Potential River Cause of Incident: Collision Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	D2SE (SE)	674	2	476200 254500
11	<b>Pollution Incidents to Controlled Waters</b> Property Type: Domestic/Residential Location: Kettering District, COLLINGTREE Authority: Environment Agency, Anglian Region Pollutant: Chemicals - Paints / Dyes Note: Wootton Brook Incident Date: 13th May 1999 Incident Reference: 3709 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	D9NW (NW)	828	2	475200 256295
11	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Wootton Brook Incident Date: 28th November 1998 Incident Reference: 3575 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	D9NW (NW)	832	2	475200 256300
	<b>River Quality</b> Name: Wootton Brk GQA Grade: River Quality B Reach: Quinton Bk....Gayton Arm Estimated Distance (km): 7 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	D9SE (N)	823	2	475713 256065



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<b>Water Abstractions</b> Operator: B.E.S.D. & N.L. Capsey Licence Number: 5/32/04/*g/010 Permit Version: Not Supplied Location: Well At, COLLINGTREE Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 1140 Details: Miscellaneous Jurassic; 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 100m	D5NW (NW)	257	2	475100 255600
13	<b>Water Abstractions</b> Operator: Collingtree Park Golf Course Licence Number: 5/32/04/*s/052b Permit Version: Not Supplied Location: Wootton Brook Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 12 Yearly Rate (m3): 570000 Details: Not Supplied 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 100m	D9SE (N)	964	2	475700 256000
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	D5SE (S)	0	2	475688 255264
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	D5SE (N)	0	2	475686 255274
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(W)	0	1	475000 255000
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	D1NE (S)	0	1	475688 255000
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(W)	0	1	475000 255264
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	D5SE (S)	0	1	475688 255264
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(S)	0	1	475703 253526
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(W)	0	1	474555 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(W)	0	1	474651 255158
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(W)	0	1	475000 255095
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	D5SW (W)	0	1	475386 255291

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(W)	0	1	475000 255264
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	D5SE (NW)	0	1	475668 255301
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	D1NE (S)	0	1	475581 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(SW)	0	1	474702 253939
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	(W)	0	1	475000 255000
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	D1NE (S)	0	1	475688 255000
	<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				
14	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D1SE (SW)	0	2	475479 254797
15	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D2SW (S)	74	2	475844 254501
16	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D1SE (S)	199	2	475752 254808

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D1SE (S)	202	2	475736 254774
18	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D1NE (S)	209	2	475690 254915
19	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D1NE (S)	227	2	475742 254857
20	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D5NW (NW)	247	2	475225 255542
21	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D2SW (S)	255	2	475796 254703
22	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D5NW (NW)	304	2	475256 255576

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D2SW (S)	331	2	475888 254548
24	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D2SW (S)	360	2	475902 254597
25	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D2NW (SE)	363	2	476052 254881
26	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D2SW (S)	363	2	475902 254597
27	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	D5NW (NW)	434	2	475286 255664
28	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	D5SE (NW)	356	2	475520 255346

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p><b>Historical Landfill Sites</b></p> <p>Licence Holder: Tarmac Construction            Location: Collingtree            Name: Courteenhall Grange Farm Pit            Operator Location: Not Supplied            Boundary Accuracy: As Supplied            Provider Reference: EAHLD02323            First Input Date: 1st May 1986            Last Input Date: 31st October 1986            Specified Waste Type: Deposited Waste included Inert and Household Waste            EA Waste Ref: 0            Regis Ref: Not Supplied            WRC Ref: Not Supplied            BGS Ref: Not Supplied            Other Ref: S/042, S/012</p>	D6NW (NE)	743	2	475830 255583
30	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: Wooton Quarry            Licence Number: 70662            Location: Sandspinnners Ltd, Wooton Quarry, A508 ( Southbound), Collingtree, Northants, NN4 0LY            Licence Holder: Viridor Waste Wootton Ltd            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Co-disposal Landfill Sites            Max Input Rate: Not Supplied  <b>Licence Status: Closure</b>            Issued: Not Supplied            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: As Supplied</p>	D5SE (SE)	423	2	475746 255237
31	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: Wooton Quarry            Licence Number: 70647            Location: A508, Collingtree, Northants, NN4 0LY            Licence Holder: Viridor Waste Wootton Ltd            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Co-disposal Landfill Sites            Max Input Rate: Large (Equal to or greater than 75,000 tonnes per year)  <b>Licence Status: Inactive</b>            Issued: 1st June 1992            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: As Supplied</p>	D6SW (E)	693	2	475998 255297
32	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: Wooton Quarry            Licence Number: 70647            Location: Sandspinnners Ltd, Wooton Quarry, A508, Collingtree, Northants, NN4 0LY            Licence Holder: Viridor Waste Wootton Ltd            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Co-disposal Landfill Sites            Max Input Rate: Not Supplied  <b>Licence Status: Closure</b>            Issued: Not Supplied            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: As Supplied</p>	D6SW (E)	694	2	475999 255298
33	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: Wooton Quarry            Licence Number: 70647            Location: Sandspinnners Ltd, Wooton Quarry, A508, Collingtree, Northants, NN4 0LY            Licence Holder: Viridor Waste Wootton Ltd            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Co-disposal Landfill Sites            Max Input Rate: Not Supplied  <b>Licence Status: Closure</b>            Issued: Not Supplied            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: As Supplied</p>	D6SW (E)	696	2	476000 255299
34	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: Wooton Quarry            Licence Number: 70647            Location: Sandspinnners Ltd, Wooton Quarry, A508, Collingtree, Northants, NN4 0LY            Licence Holder: Viridor Waste Wootton Ltd            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Co-disposal Landfill Sites            Max Input Rate: Not Supplied  <b>Licence Status: Closure</b>            Issued: Not Supplied            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: As Supplied</p>	D6NW (NE)	858	2	476023 255532

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Wooton Quarry Licence Number: 70662 Location: Sandspiners Ltd, Wooton Quarry, A508 ( Southbound), Collingtree, Northants, NN4 0LY Licence Holder: Viridor Waste Wooton Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites Max Input Rate: Not Supplied <b>Licence Status: Closure</b> Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	D6NW (NE)	934	2	476095 255564
	<b>Local Authority Landfill Coverage</b> Name: South Northamptonshire District Council - Has supplied landfill data		0	3	475746 255239
	<b>Local Authority Landfill Coverage</b> Name: Northamptonshire County Council - Has supplied landfill data		0	5	475688 255264
	<b>Local Authority Landfill Coverage</b> Name: Northampton Borough Council - Has no landfill data to supply		0	4	475688 255264
36	<b>Local Authority Recorded Landfill Sites</b> Location: Courteenhall Grange Farm, Collingtree Reference: S42 Authority: South Northamptonshire Council, Environmental Health Department <b>Last Reported Status: Closed</b> Types of Waste: Solid Inert Date of Closure: 31/12/1986 Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	D6NW (NE)	875	3	475900 255700
37	<b>Local Authority Recorded Landfill Sites</b> Location: Courteenhall Grange Pit, Collingtree Reference: S12 Authority: South Northamptonshire Council, Environmental Health Department <b>Last Reported Status: Closed</b> Types of Waste: Solid Inert, Solid Degradable, Asbestos Date of Closure: 31/01/1983 Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	D6NW (NE)	948	3	476000 255700
38	<b>Registered Landfill Sites</b> Licence Holder: Sandspiners Ltd Licence Reference: S/062 Site Location: Wooton Quarry (A508 Southbound), Collingtree, Courteenhall, NORTHAMPTON, Northamptonshire, NN4 0LY Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Greendale Court, Clyst St Mary, EXETER, Devon, EX5 1AW Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 1st June 1992 Preceded By: Not Given Licence: Superseded By: S/062 Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good Authorised Waste: Northants Cat. A1 -Solid Inert (Soils) Northants Cat. A2 -Sol.Inert (Inc.Dem) Northants Cat. B - Slowly Decompose Northants Cat. C - Putresc./Domestic Prohibited Waste: Asbestos Waste N.O.S.	D6SW (E)	702	2	475992 255319

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Sandspinnners Ltd            Licence Reference: S/012            Site Location: Old Grange Sandpit, Courteenhall Grange Farm, Northampton, Northamptonshire            Licence Easting: Not Supplied            Licence Northing: Not Supplied            Operator Location: 15 Dawlish Road, Alphington, Exeter, Devon            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 9th December 1983            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: Good            Authorised Waste: Asbestos            Northamptonshire Category C *            Northants/Lincs Category A *            Northants/Lincs Category B *            Prohibited Waste: Liquid Wastes            Waste N.O.S</p>	D6NW (NE)	747	2	475835 255585
40	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Viridor Waste Wootton Ltd            Licence Reference: S/106            Site Location: Wootton Quarry (Ext), Collingtree, Courteenhall, Northampton, Northamptonshire            Licence Easting: 476000            Licence Northing: 255500            Operator Location: Great Western House, Station Approach, TAUNTON, Somerset, TA1 1QW            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Operational as far as is knownOperational            Dated: 31st May 1995            Preceded By: S/106            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Bonded Asbestos            Northants Cat. A1 -Solid Inert (Soils)            Northants Cat. A2 -Sol.Inert (Inc.Dem)            Northants Cat. B - Slowly Decompose            Northants Cat. C - Putresc./Domestic            Spec.Waste (Epa'90:S62/1996 Regs)            Prohibited Waste: Sodium/Potassium/Calcium Oxides            Special Wastes            Waste N.O.S.            Environment Agency Northants Cat. D - Difficult 6&lt;Ph&lt;9            must give specific            authorisation for this            waste to be            acceptedWaste            requires prior            approval            Northants Cat. F - Toxic</p>	D6NW (NE)	821	2	476000 255500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Tarmac Construction            Licence Reference: S/042            Site Location: Courteenhall Grange Farm, Northampton, Northamptonshire            Licence Easting: 475900            Licence Northing: 255700            Operator Location: M1 Site Off Junction 16, Upper Heywood, Northampton, Northamptonshire            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st May 1986            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Northants/Lincs Cat. A -Sol.Inert *            Prohibited Waste: Asbestos            Northants Cat. C -Sol. Putres./Dom. *            Northants/Lincs Cat. B -Sol.Semiinert*</p>	D6NW (NE)	875	2	475900 255700
42	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Viridor Waste Wootton Ltd            Licence Reference: S/062            Site Location: Wootton Quarry (A508 Southbound), Collingtree, Courteenhall, NORTHAMPTON, Northamptonshire, NN4 0LY            Licence Easting: 476200            Licence Northing: 255500            Operator Location: Great Western House, Station Approach, TAUNTON, Somerset, TA1 1QW            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Operational as far as is knownOperational            Dated: 28th March 1994            Preceded By: S/062            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Bonded Asbestos            Northants Cat. A1 -Solid Inert (Soils)            Northants Cat. A2 -Sol.Inert (Inc.Dem)            Northants Cat. B - Slowly Decompose            Northants Cat. C - Putres./Domestic            Whole &amp; Shredded Tyres            Whole Tyres            Prohibited Waste: Fibrous Forms Of Asbestos            Sodium/Potassium/Calcium Oxides            Spec.Waste (Epa'90:S62/1996 Regs)            Special Wastes (As In S17 1980)            Waste N.O.S.            Environment Agency Non-Special Toxic Waste            must give specific authorisation for this waste to be acceptedWaste requires prior approval            Northants Cat. D - Difficult 6&lt;Ph&lt;9</p>	D6NE (NE)	977	2	476200 255500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Sandspinnners Ltd            Licence Reference: S/106            Site Location: Wooton Quarry (Ext), Collingtree, Courteenhall, Northampton, Northamptonshire            Licence Easting: 476200            Licence Northing: 255500            Operator Location: Greendale Court, Clyst St Mary, EXETER, Devon, EX5 1AW            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Record supersededSuperseded            Dated: 22nd February 1993            Preceded By: Not Given            Licence:            Superseded By: S/106            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Northants Cat. A1 -Solid Inert (Soils)            Northants Cat. A2 -Sol.Inert (Inc.Dem)            Prohibited Waste: Waste N.O.S.</p>	D6NE (NE)	977	2	476200 255500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Lias Group	D5SE (S)	0	1	475688 255264
43	<b>BGS Recorded Mineral Sites</b> Site Name: Collingtree Sand Pits Location: , Collingtree, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139756 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand Positional Accuracy: Located by supplier to within 10m	D6NW (NE)	939	1	475954 255737
44	<b>BGS Recorded Mineral Sites</b> Site Name: Wootton Location: A508 (Southbound), Collingtree, Northampton, Northamptonshire, Nn4 0ly Source: British Geological Survey, National Geoscience Information Service Reference: 3394 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Sand And Gravel Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 100m	D6NE (NE)	977	1	476200 255500
	<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> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	475688 255000
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D5SE (S)	0	1	475688 255264
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	475688 255000
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D5SE (S)	0	1	475688 255264
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D5SE (S)	0	1	475688 255264
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	475688 255000
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D5SE (S)	0	1	475688 255264
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	475688 255000
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D5SE (S)	0	1	475688 255264
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	475688 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	475688 255000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D5SW (W)	0	1	475386 255291
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D5SE (NW)	0	1	475668 255301
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	475581 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D5SE (S)	181	1	475688 255264
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D5SW (NW)	229	1	475311 255432
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	D5SE (S)	0	1	475688 255264
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	475688 255001
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D5SE (S)	0	1	475688 255264
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D1NE (S)	0	1	475688 255001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	<b>Contemporary Trade Directory Entries</b> Name: Avenue Gates Ltd Location: Unit 13, Basset Court, Loake Close, Grange Park, Northampton, NN4 5EZ Classification: Gate Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	D2SW (S)	296	-	475838 254679
45	<b>Contemporary Trade Directory Entries</b> Name: Ge Fanuc Automation Cnc (Uk) Ltd Location: Unit 15, Basset Court, Loake Close, Grange Park, Northampton, NN4 5EZ Classification: Electronic Component Manufacturers & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	D2SW (S)	297	-	475839 254710
45	<b>Contemporary Trade Directory Entries</b> Name: Arbonne Location: Unit 16, Basset Court, Loake Cl, Grange Pk, Northampton, Northamptonshire, NN4 5EZ Classification: Cosmetic Manufacturers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	D2SW (S)	342	-	475884 254711
46	<b>Contemporary Trade Directory Entries</b> Name: Magnatech Energy Location: Unit 9/B, Basset Court, Loake Close, Grange Park, Northampton, NN4 5EZ Classification: Energy Efficient Products and Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	D2SW (S)	318	-	475860 254656
47	<b>Contemporary Trade Directory Entries</b> Name: Philips Speech Processing Location: Cheaney Drive, Northampton, NN4 5FB Classification: Office Furniture & Equipment <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	D2SW (SE)	529	-	476071 254629
47	<b>Contemporary Trade Directory Entries</b> Name: Europa Location: Grange Park 2-3 Warehouse, Cheaney Drive, Grange Park, Northampton, NN4 5FB Classification: Road Haulage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	D2SW (SE)	529	-	476071 254629
48	<b>Contemporary Trade Directory Entries</b> Name: Yusen Logistics Location: Safety Centre, Cheaney Drive, Grange Park, Northampton, NN4 5FB Classification: Road Haulage Services <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	D2SW (SE)	568	-	476102 254812
48	<b>Contemporary Trade Directory Entries</b> Name: Combisafe Location: Safety Centre, Cheaney Drive, Grange Park, Northampton, NN4 5FB Classification: Scaffolding & Work Platforms <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	D2SW (SE)	568	-	476102 254812
49	<b>Contemporary Trade Directory Entries</b> Name: Grange Park Location: Unit 2, Wilks Walk, Grange Park, Northampton, NN4 5DW Classification: Dry Cleaners <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	D2NE (E)	720	-	476144 255141
49	<b>Contemporary Trade Directory Entries</b> Name: Grange Park Dry Cleaners Location: 2, Wilks Walk, Grange Park, Northampton, NN4 5DW Classification: Dry Cleaners <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	D2NE (E)	720	-	476144 255141
50	<b>Contemporary Trade Directory Entries</b> Name: Save Service Station Location: London Rd, Collingtree, Northampton, Northamptonshir, NN4 0LY Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	D6NW (N)	767	-	475816 255632

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	<b>Contemporary Trade Directory Entries</b> Name: Kartik Location: London Road, Northampton, Northamptonshire, NN4 0LY Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	D6NW (NE)	786	-	475844 255631
50	<b>Contemporary Trade Directory Entries</b> Name: Grange Farm Auto Point Location: London Road, Collingtree, Northampton, Northamptonshire, NN4 0LY Classification: Petrol Filling Stations - 24 Hour <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	D6NW (NE)	786	-	475844 255631
51	<b>Contemporary Trade Directory Entries</b> Name: Viridor Waste Management Ltd Location: A508 Southbound, Collingtree, Northampton, Northants, NN4 0LY Classification: Waste Disposal Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	D6NW (N)	812	-	475812 255696
52	<b>Contemporary Trade Directory Entries</b> Name: The Sourcers Location: 12, The Ridings, Grange Park, Northampton, Northamptonshire, NN4 5BN Classification: Clothing & Fabrics - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	D2SE (SE)	876	-	476416 254778
52	<b>Contemporary Trade Directory Entries</b> Name: Eco Fireplace Ltd Location: 36, The Ridings, Grange Park, Northampton, NN4 5BN Classification: Fireplaces & Mantelpieces <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	D3SW (SE)	909	-	476450 254761
53	<b>Contemporary Trade Directory Entries</b> Name: Trophy Pet Foods Location: The Ridings, Grange Pk, Northampton, Northamptonshire, NN4 5BN Classification: Pet Foods & Animal Feeds <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	D3SW (SE)	956	-	476498 254734
54	<b>Fuel Station Entries</b> Name: Grange Farm Service Station Location: Grange Farm Service Station, London Road, Northampton, NN4 0LY Brand: Bp Premises Type: Petrol Station <b>Status: Open</b> Positional Accuracy: Automatically positioned to the address	D6NW (NE)	786	-	475844 255631

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	D5SE (S)	0	6	475688 255264

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

Agency & Hydrological	Version	Update Cycle
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2016	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	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	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	May 2016	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Northern Area	May 2016	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Northern Area	April 2016	Quarterly
<b>Local Authority Landfill Coverage</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable



Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	February 2016	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	February 2016 February 2016 November 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	February 2016 February 2016 May 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
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 Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	May 2016	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	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	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified

<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	June 2016	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	June 2016	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Underground Electrical Cables</b> National Grid	January 2016	Bi-Annually
<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Ancient Woodland</b> Natural England	June 2015	Bi-Annually
<b>Areas of Outstanding Natural Beauty</b> Natural England	April 2016	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	April 2016	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Nature Reserves</b> Natural England	April 2016	Bi-Annually
<b>National Parks</b> Natural England	March 2016	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
<b>Ramsar Sites</b> Natural England	April 2016	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	April 2016	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	April 2016	Bi-Annually
<b>Special Protection Areas</b> Natural England	April 2016	Bi-Annually
<b>World Heritage Sites</b> English Heritage - National Monument Record Centre	September 2015	Bi-Annually

A selection of organisations who provide data within this report

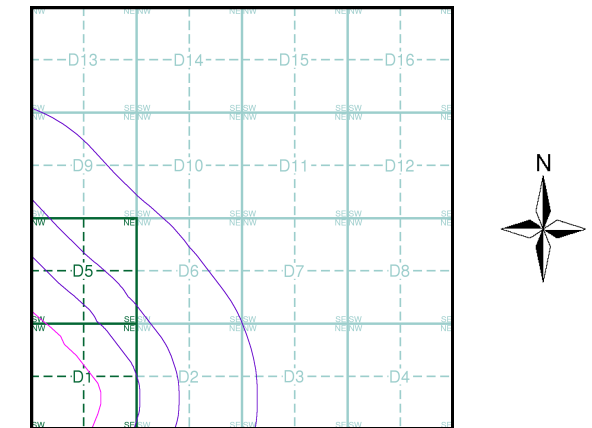
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
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>South Northamptonshire Council - Environmental Health Department</b> Springfields, Towcester, Northamptonshire, NN12 6AE	Telephone: 0845 2300226 Fax: 01327 359219 Website: www.southnorthants.gov.uk
4	<b>Northampton Borough Council - Environmental Health Department</b> Cliftonville House, Bedford Road, Northampton, Northamptonshire, NN4 7NR	Telephone: 0300 330 7000 Website: www.northampton.gov.uk
5	<b>Northamptonshire County Council</b> County Hall, Northampton, Northamptonshire, NN1 1DN	Telephone: 0300 126 1000 Website: www.northamptonshire.gov.uk
6	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
-	<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.

- 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
- 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

### Site Sensitivity Map - Slice D

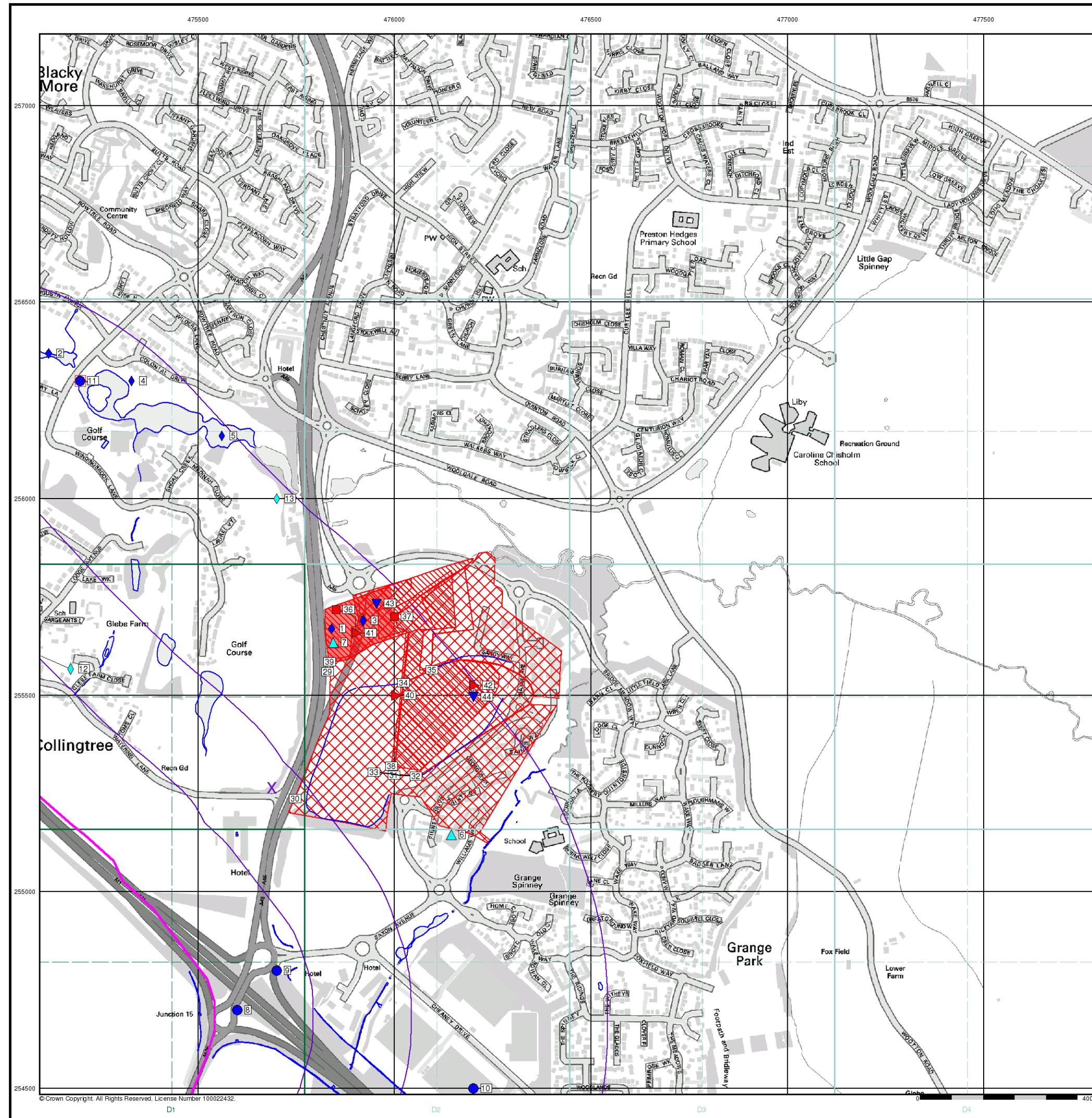


### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details






M1 Junction 15, NORTHAMPTON







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### Industrial Land Use Map

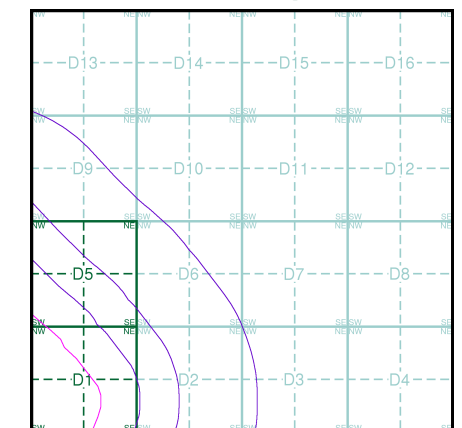
#### General

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

#### Industrial Land Use

-  Contemporary Trade Directory Entry
-  Fuel Station Entry
-  Gas Pipeline
-  Underground Electrical Cables

### Industrial Land Use Map - Slice D

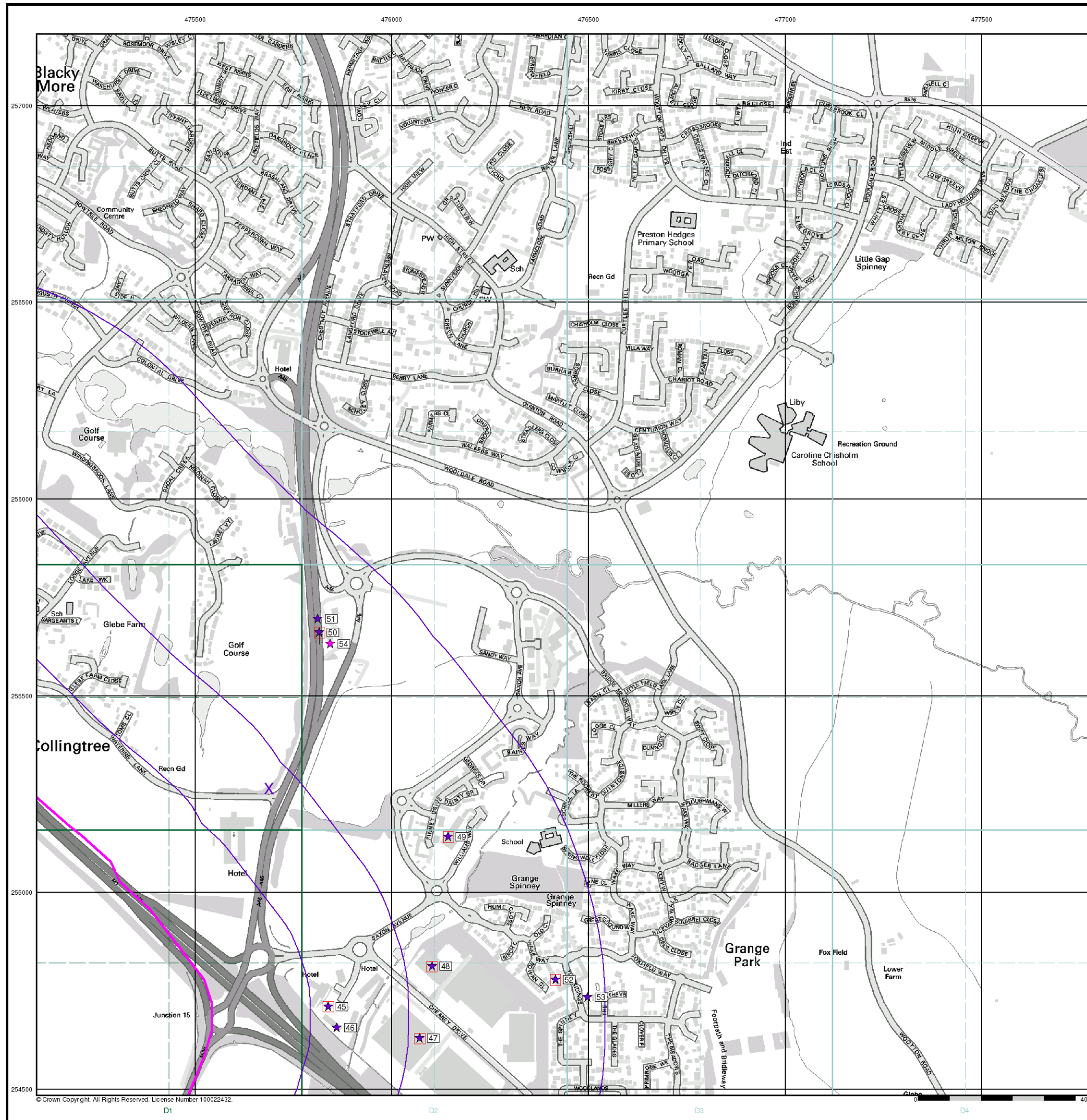


#### Order Details

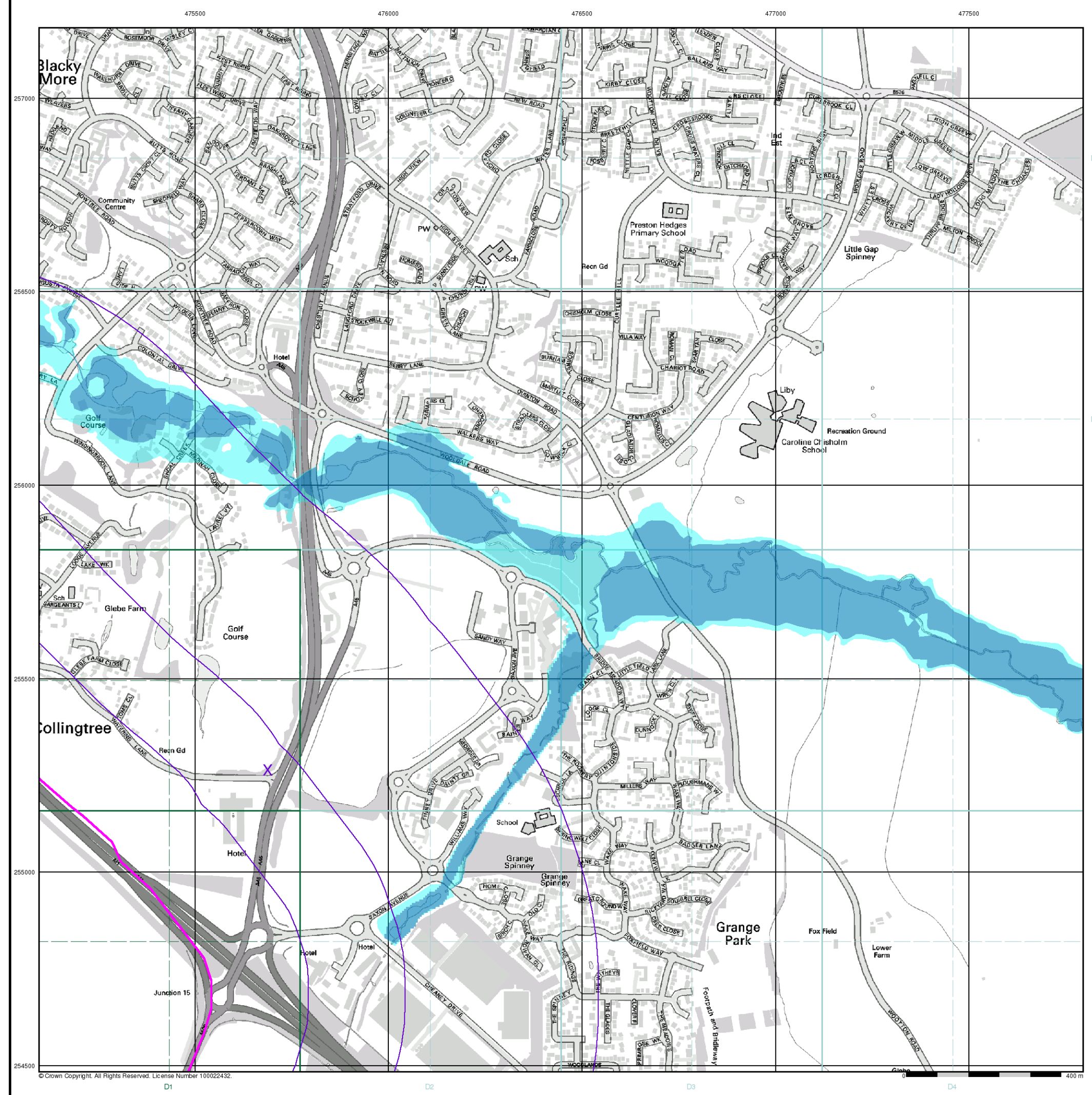
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 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

#### Site Details




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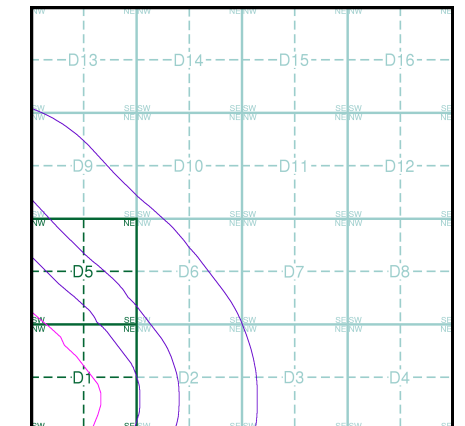
**General**

-  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 D**

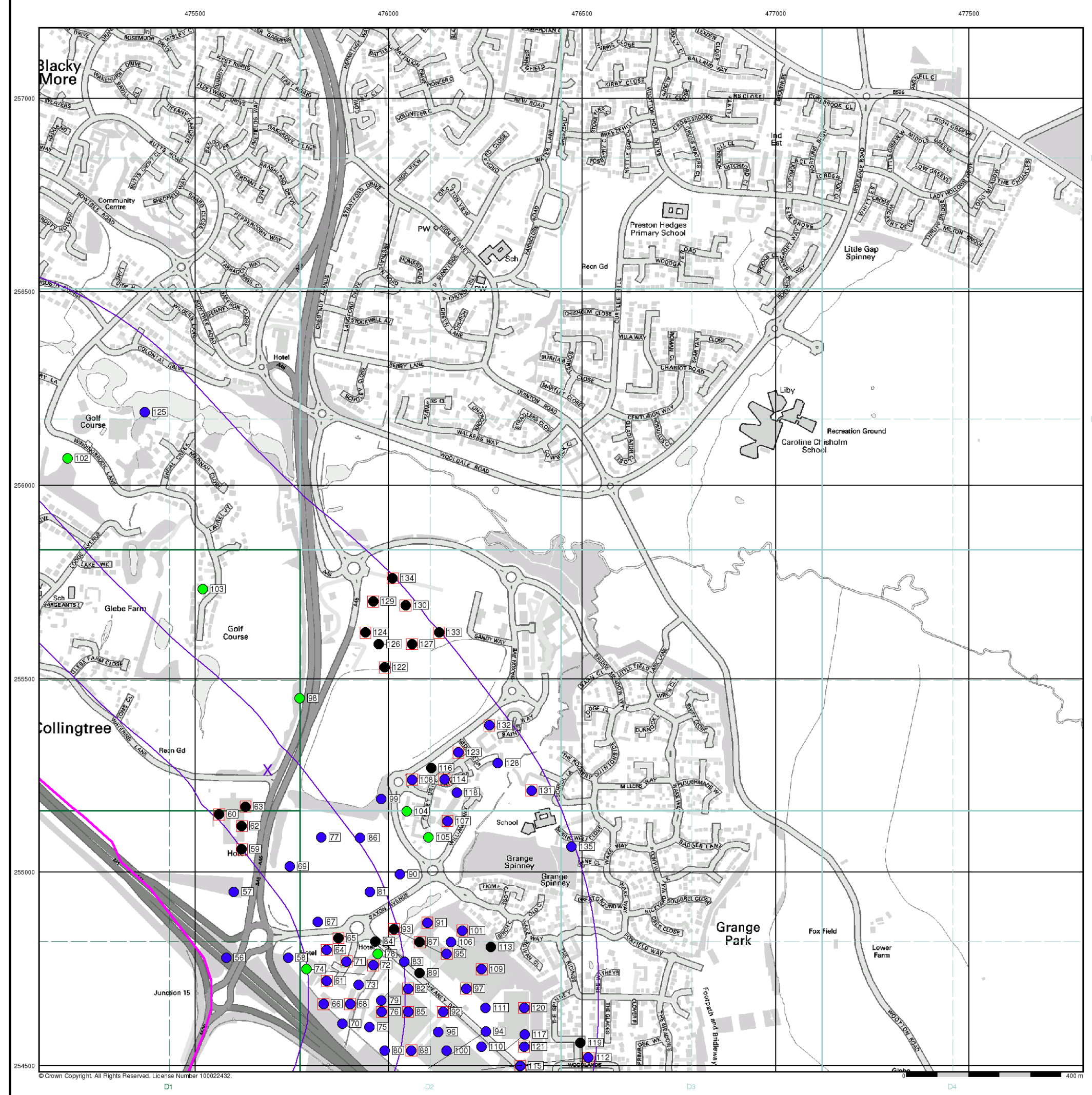


**Order Details**






Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 222.18  
 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

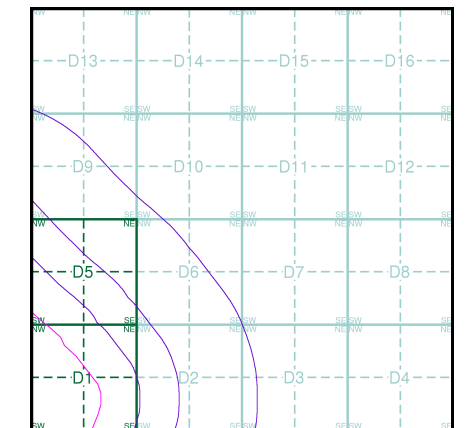
**Agency and Hydrological (Boreholes)**

-  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 D**



**Order Details**

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

**Site Details**















M1 Junction 15, NORTHAMPTON



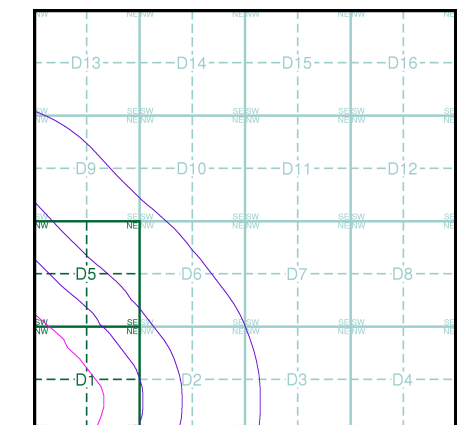
### General

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

### Detailed River Network Data

- |  |   |
|--|---|
|  Primary River            |  Extended Culvert (greater than 50m) |
|  Secondary River          |  Underground River (inferred)        |
|  Tertiary River           |  Underground River (local knowledge) |
|  Canal                    |  Downstream of High Water Mark       |
|  Canal Tunnel             |  Downstream of Seaward Extension     |
|  Undefined River          |  Not assigned River feature          |
|  Lake/Reservoir           |   |
|  Offline Drainage Feature |   |

### EANRW Detailed River Network Map - Slice D

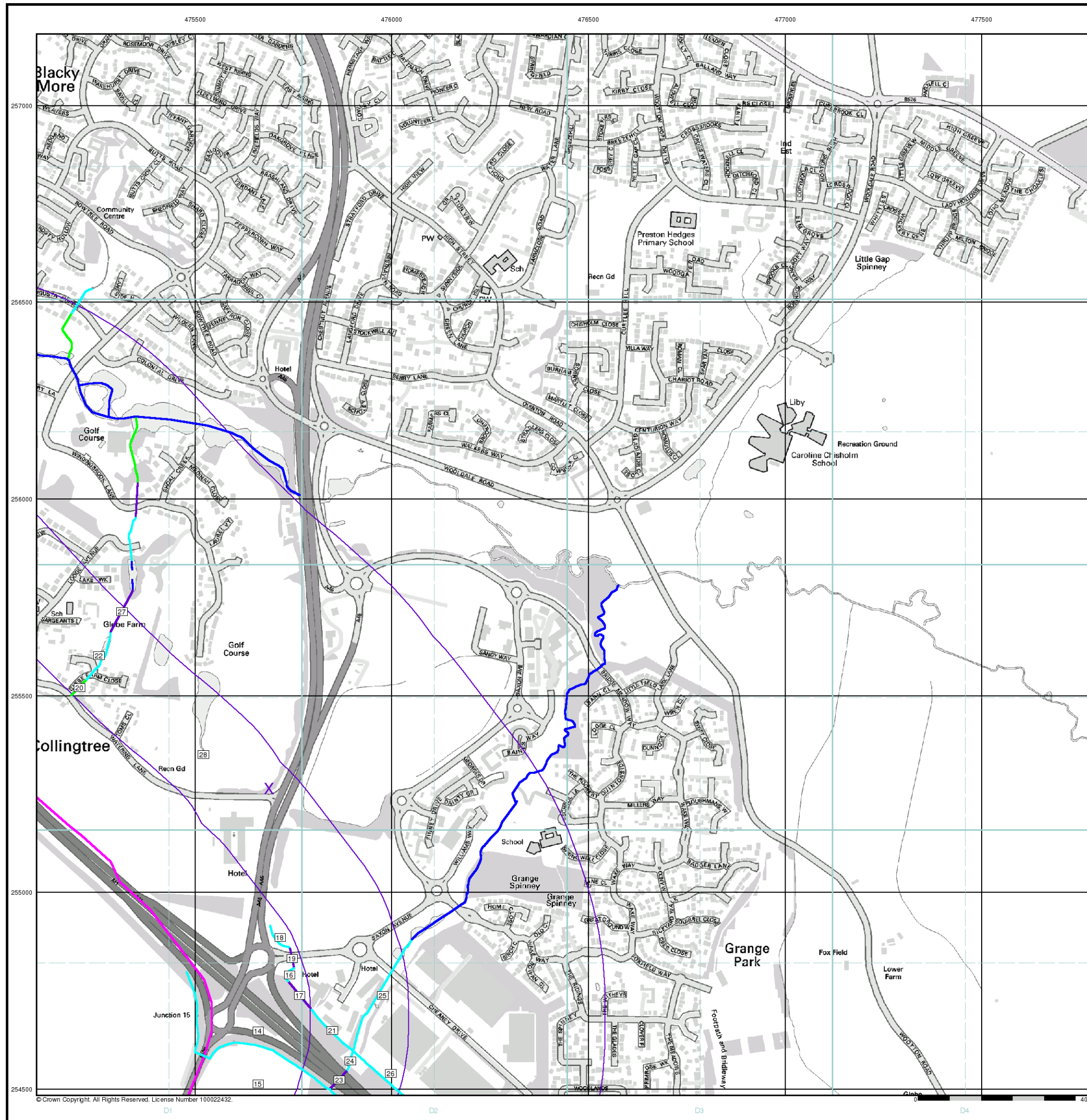


### Order Details

Order Number: 90632639\_1\_1  
 Customer Ref: 313418  
 National Grid Reference: 475690, 255260  
 Slice: D  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## 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

Mrs D Martin, RSK Environment Ltd, Abbey Park, Humber Road, Coventry, CV3 4AQ

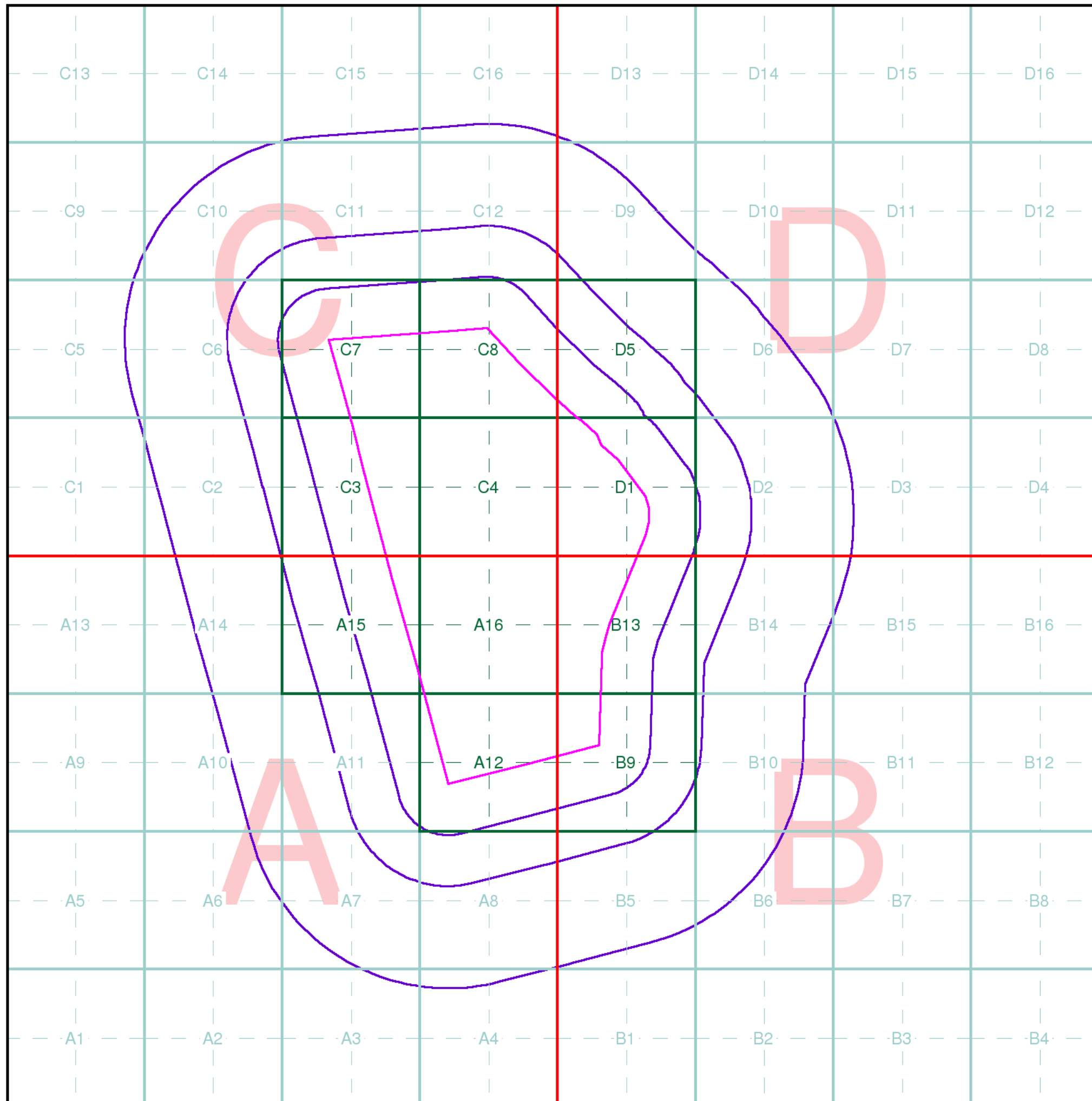
## Order Details

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 Customer Ref: 313418  
 National Grid Reference: 474780, 254560  
 Site Area (Ha): 222.18  
 Search Buffer (m): 1000

## Site Details





M1 Junction 15, NORTHAMPTON

Full Terms and Conditions can be found on the following link:  
<http://www.landmarkinfo.co.uk/Terms/Show/515>












# Geology 1:10,000 Maps Legends

## Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene
	GFSMP	Glaciofluvial Sheet Deposits, Mid Pleistocene	Sand and Gravel	Ipswichian - Cromerian
	TILMP	TILL, MID PLEISTOCENE	Diamicton	Ipswichian - Cromerian
	TUFA	Tufa	Tufa, Calcareous	Quaternary - Ryazanian

## Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WBRO	Wellingborough Limestone Member	Limestone and Mudstone, Interbedded	Bathonian - Bathonian
	BWL	Blisworth Limestone Formation	Limestone	Bathonian - Bathonian
	BWC	Blisworth Clay Formation	Mudstone	Bathonian - Bathonian
	CB	Cornbrash Formation	Limestone	Callovian - Bathonian
	STAM	Stamford Member	Sandstone and Siltstone, Interbedded	Bathonian - Bajocian
	RLD	Rutland Formation	Mudstone	Bathonian - Bajocian
	WHM	Whitby Mudstone Formation	Mudstone	Toarcian - Toarcian
	MRB	Marlstone Rock Formation	Limestone, Ferruginous	Toarcian - Pliensbachian
	DYS	Dyrham Formation	Siltstone and Mudstone, Interbedded	Pliensbachian - Pliensbachian

## Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

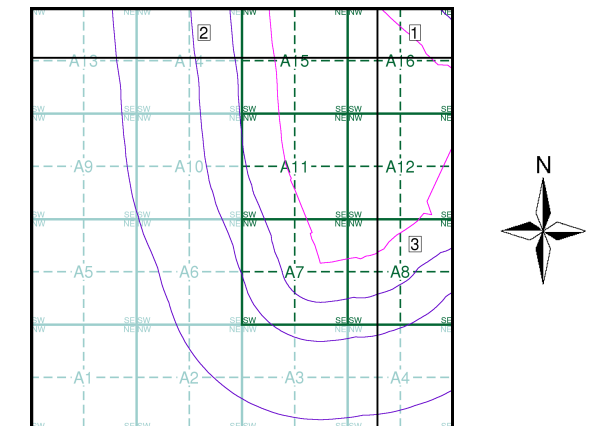
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

## Geology 1:10,000 Maps Coverage

<b>Map ID:</b>	1	<b>Map ID:</b>	2
<b>Map Name:</b>	SP75NE	<b>Map Name:</b>	SP75NW
<b>Map Date:</b>	1961	<b>Map Date:</b>	1961
<b>Bedrock Geology:</b>	Available	<b>Bedrock Geology:</b>	Available
<b>Superficial Geology:</b>	Available	<b>Superficial Geology:</b>	Available
<b>Artificial Geology:</b>	Available	<b>Artificial Geology:</b>	Available
<b>Faults:</b>	Available	<b>Faults:</b>	Available
<b>Landslip:</b>	Not Available	<b>Landslip:</b>	Not Available
<b>Rock Segments:</b>	Not Available	<b>Rock Segments:</b>	Not Available
<b>Map ID:</b>	3		
<b>Map Name:</b>	SP75SE		
<b>Map Date:</b>	1961		
<b>Bedrock Geology:</b>	Available		
<b>Superficial Geology:</b>	Available		
<b>Artificial Geology:</b>	Not Available		
<b>Faults:</b>	Available		
<b>Landslip:</b>	Available		
<b>Rock Segments:</b>	Not Available		

## Geology 1:10,000 Maps - Slice A

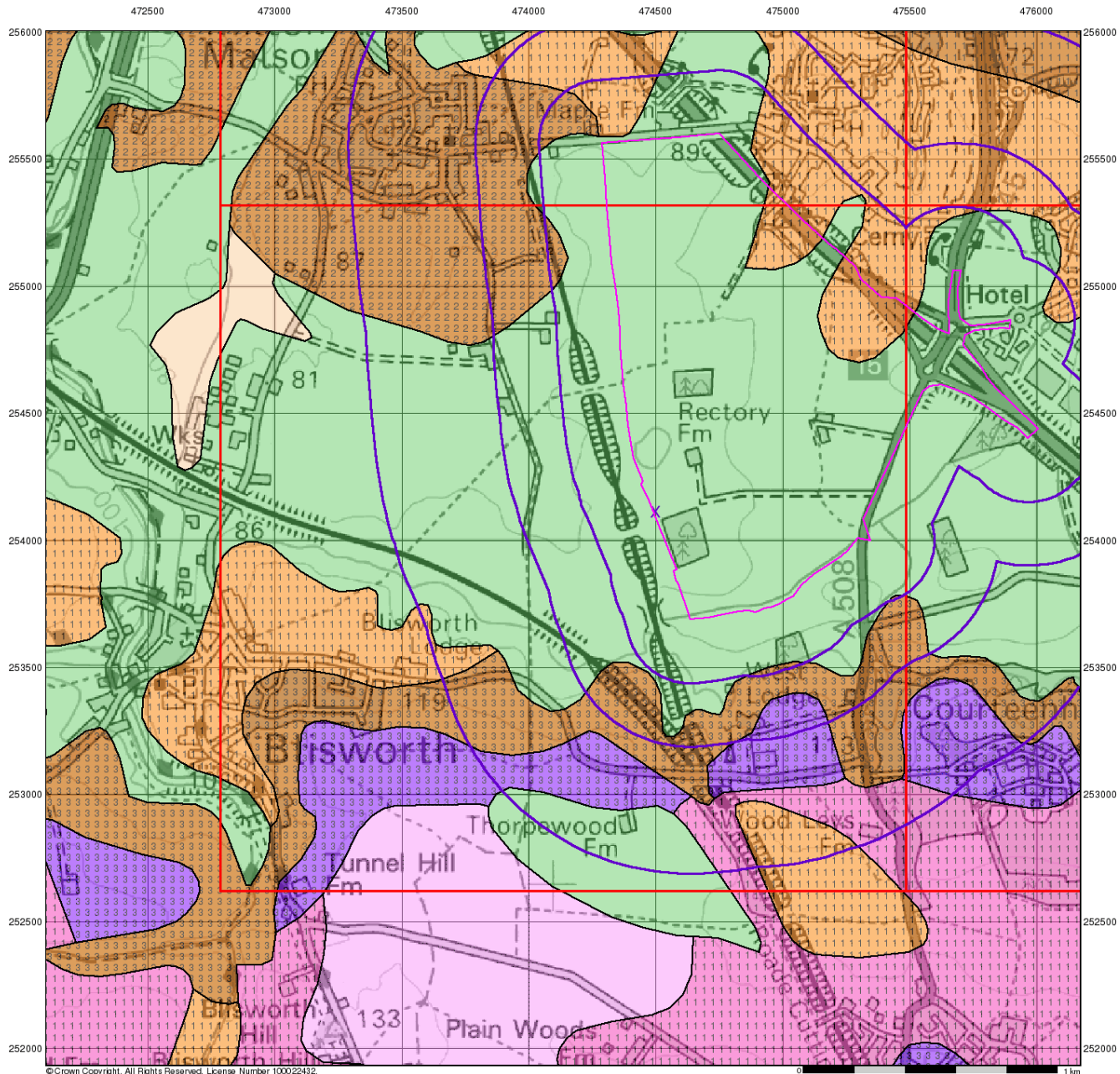


## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

## Site Details

M1 Junction 15, NORTHAMPTON



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0 1 km



## Groundwater Vulnerability

### General

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

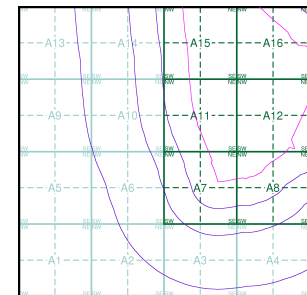
### Agency and Hydrological

#### Geological Classes

- Major Aquifer (Highly Permeable)**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Minor Aquifer (Variably Permeable)**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Non Aquifer (Negligibly Permeable)**
  - Non Aquifer (Negligibly Permeable)
- Water or Sea**
  - Water or Sea
- Drift Deposit**
  - Drift Deposit

#### Soil Classes

### Site Sensitivity Context Map - Slice A



### Order Details

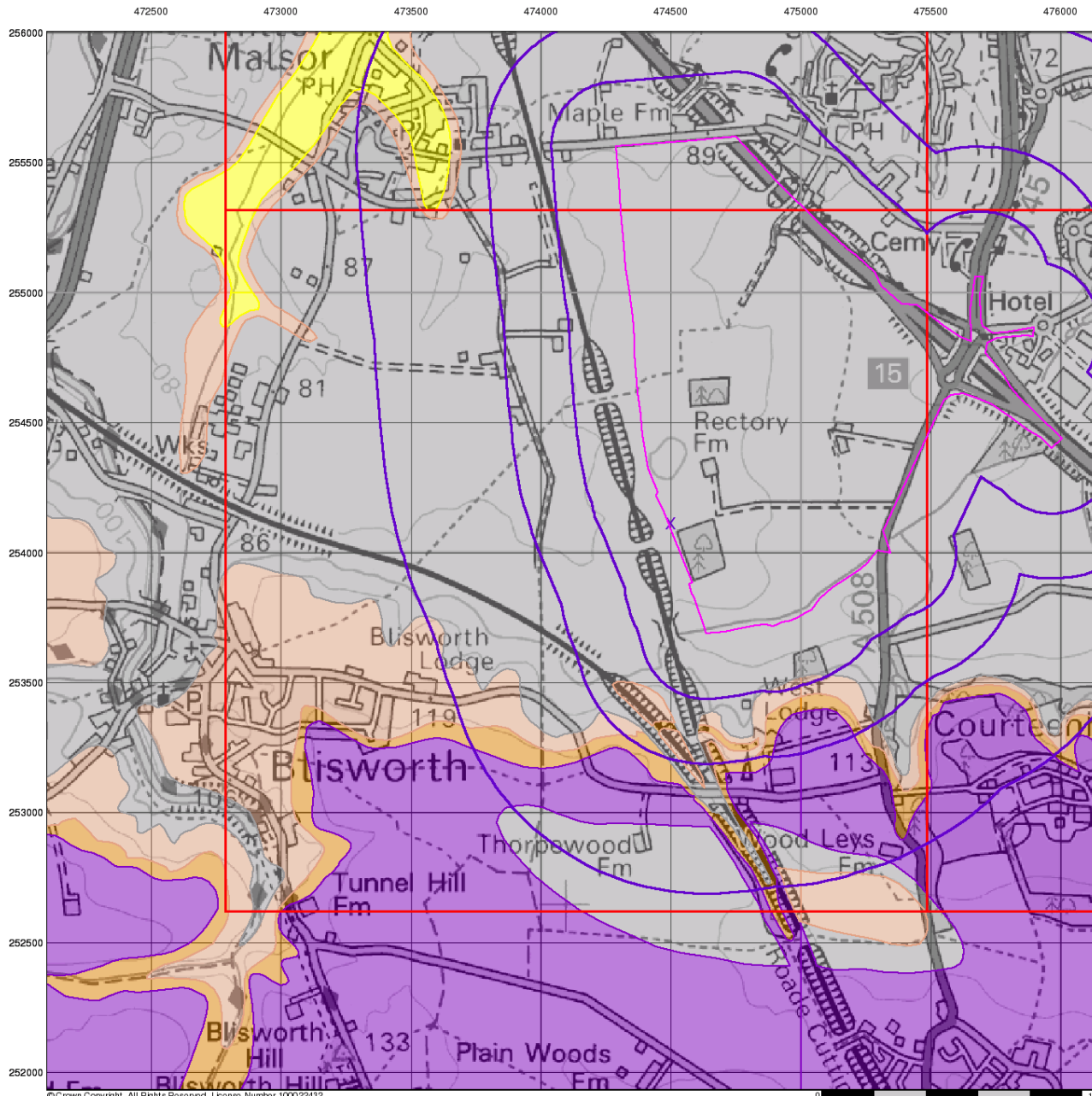
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

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



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0 1 km



## Bedrock Aquifer Designation

### General

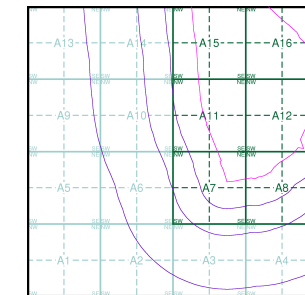
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice A



### Order Details

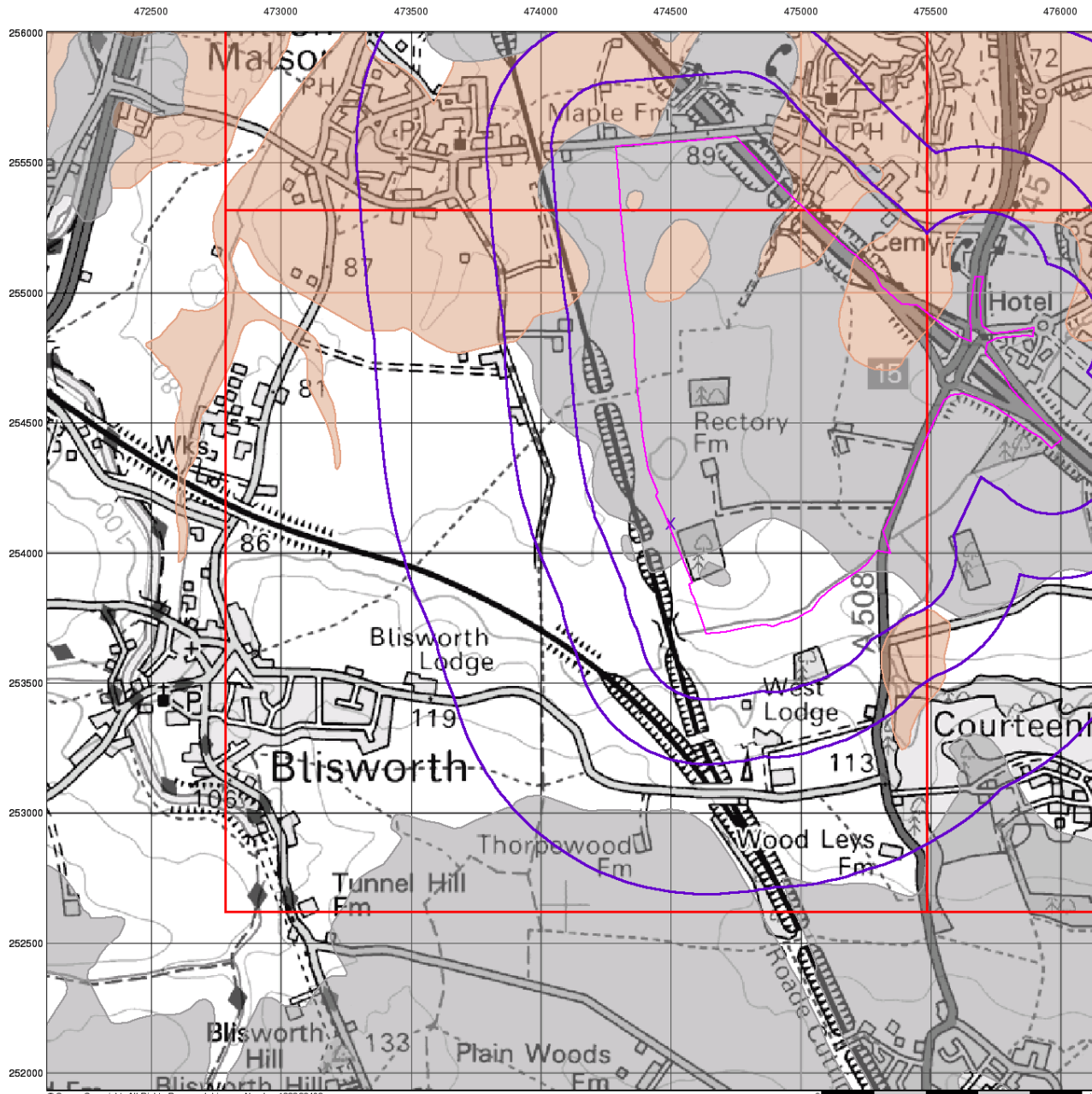
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 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

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0 1 km



## Superficial Aquifer Designation

### General

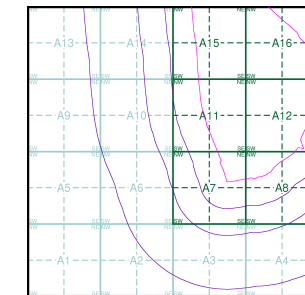
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice A



### Order Details

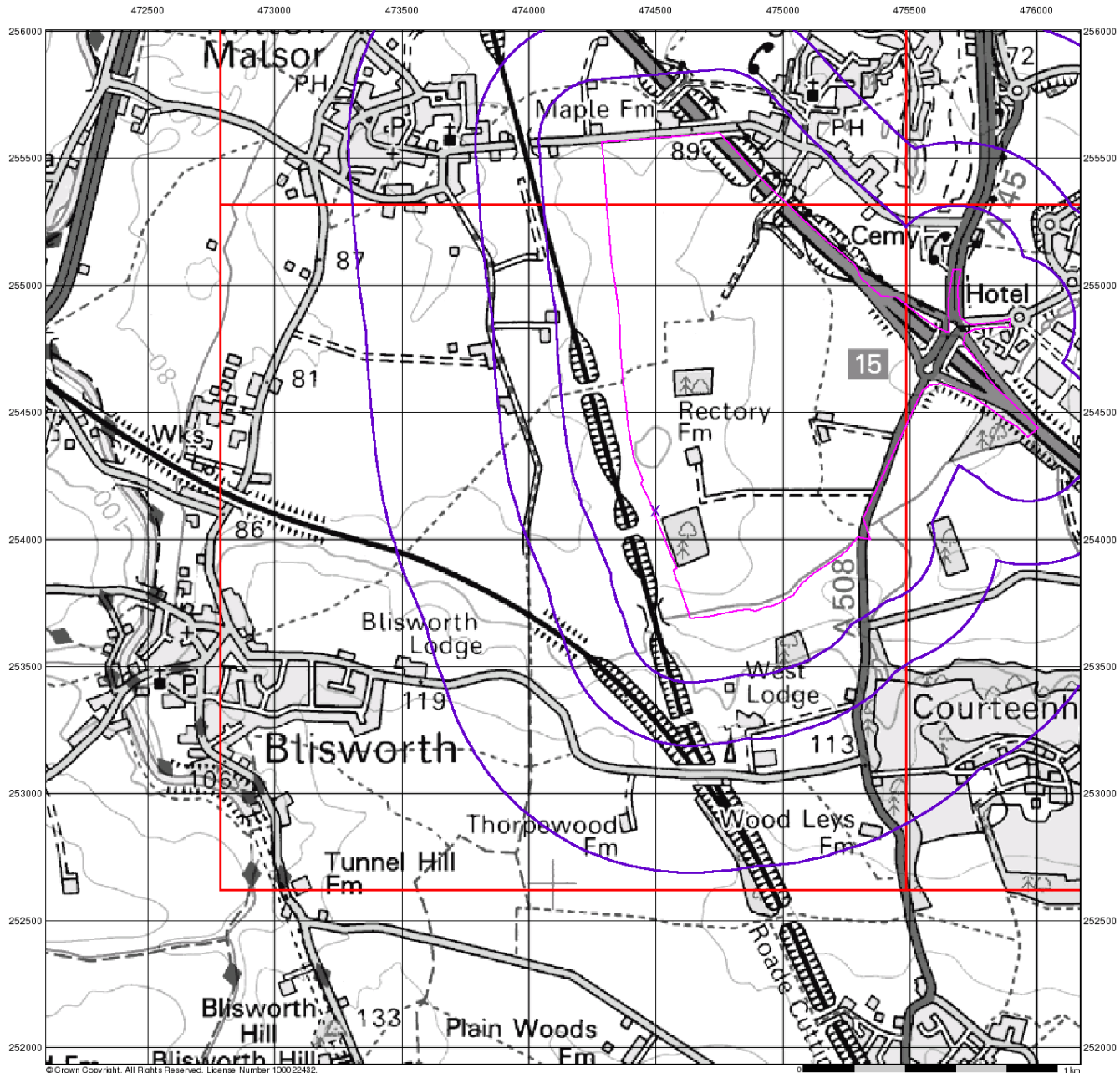
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



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 Fax: 0844 844 9951  
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0 1 km



### Source Protection Zones

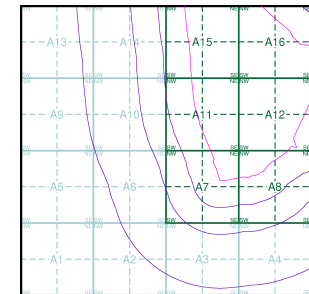
#### General

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

#### Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice A



#### Order Details

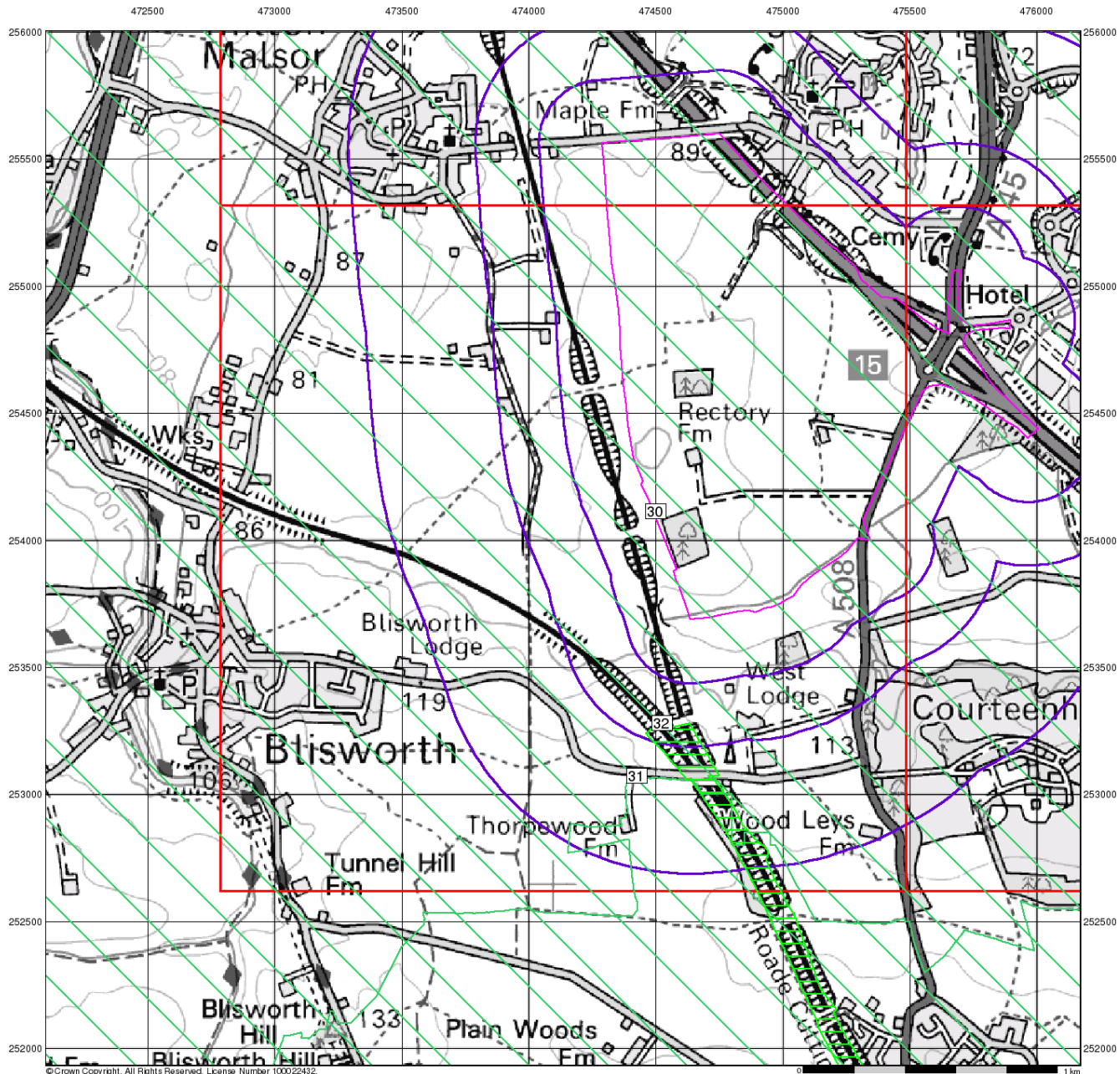
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

#### Site Details

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## Sensitive Land Uses

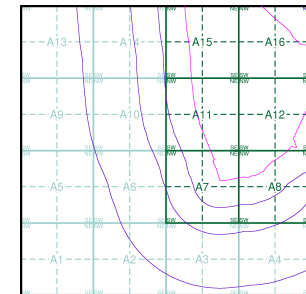
### General

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

### Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



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



### Artificial Ground and Landslip

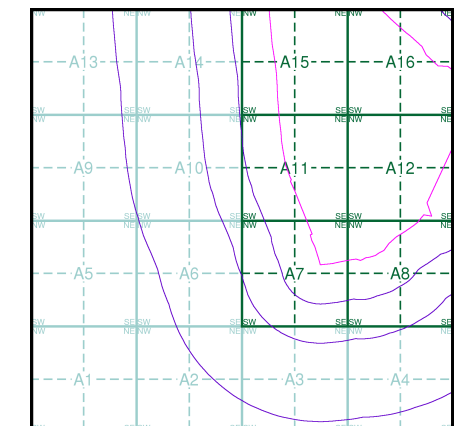
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- In-filled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

### Artificial Ground and Landslip Map - Slice A



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



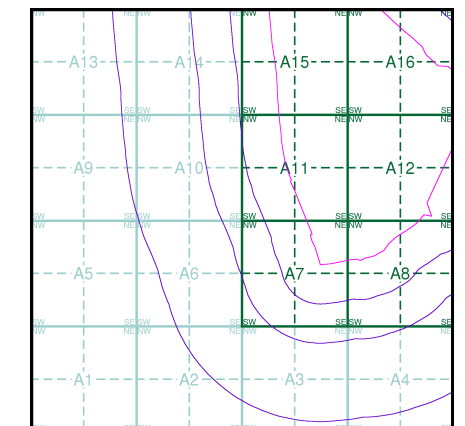
### Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice A



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Bedrock and Faults

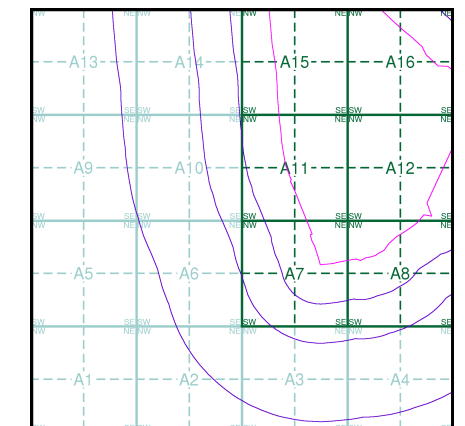
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

## Bedrock and Faults Map - Slice A

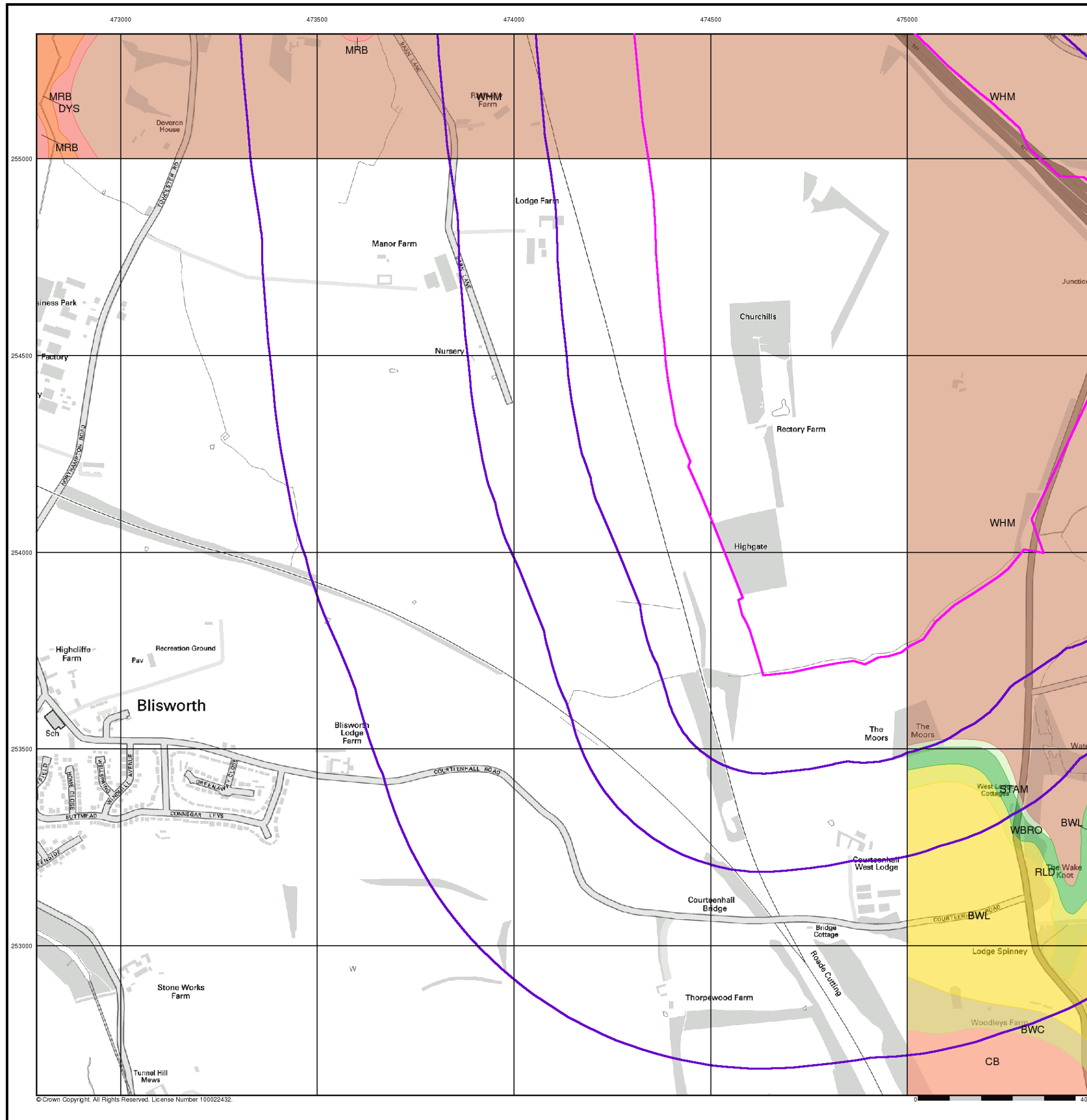


## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

## Site Details

M1 Junction 15, NORTHAMPTON



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### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

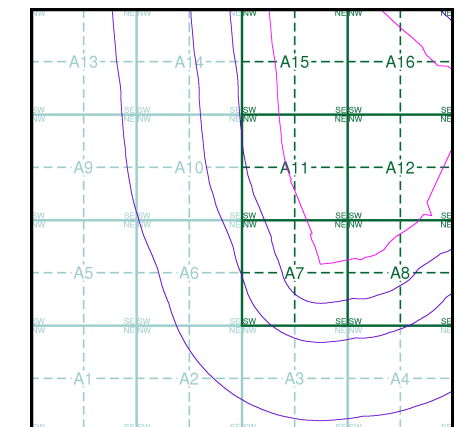
### Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
 Kingsley Dunham Centre  
 Keyworth  
 Nottingham  
 NG12 5GG  
 Telephone: 0115 936 3143  
 Fax: 0115 936 3276  
 email: enquiries@bgs.ac.uk  
 website: www.bgs.ac.uk

### Combined Geology Map - Slice A

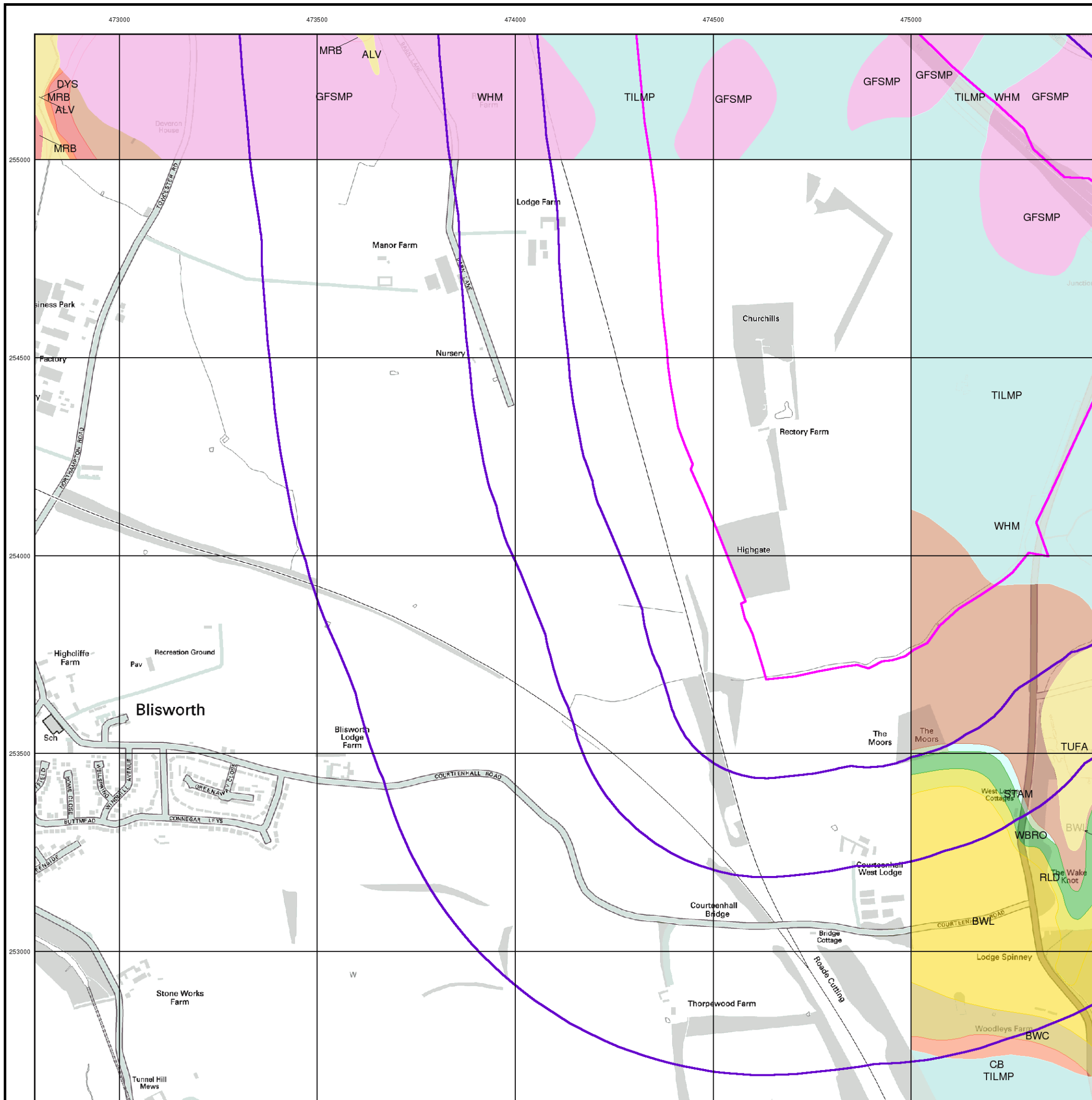


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

59121721\_1\_1

**Customer Reference:**

312598

**National Grid Reference:**

474500, 254110

**Slice:**

A

**Site Area (Ha):**

172.72

**Search Buffer (m):**

1000

#### Site Details:

M1 Junction 15  
NORTHAMPTON

#### Client Details:

Mrs D Martin  
RSK Environment Ltd  
Abbey Park  
Humber Road  
Coventry  
CV3 4AQ

<b>Report Section</b>	<b>Page Number</b>
<b>Summary</b>	-
<b>Agency &amp; Hydrological</b>	<b>1</b>
<b>Waste</b>	<b>7</b>
<b>Hazardous Substances</b>	-
<b>Geological</b>	<b>8</b>
<b>Industrial Land Use</b>	-
<b>Sensitive Land Use</b>	<b>25</b>
<b>Data Currency</b>	<b>26</b>
<b>Data Suppliers</b>	<b>30</b>
<b>Useful Contacts</b>	<b>31</b>

#### **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 and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

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

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#### **Report Version v47.0**

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			2	4
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		Yes			
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 2	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 2	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 3	Yes	n/a	n/a	n/a
Source Protection Zones					
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
Detailed River Network Lines	pg 3	Yes	Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 6		Yes	Yes	n/a

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	pg 7				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 7				1
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					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 8	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 21			1	1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 21	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 21		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 22	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 23	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a



<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m</b>	<b>501 to 1000m (*up to 2000m)</b>
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries					
Fuel Station Entries					
<b>Sensitive Land Use</b>					
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 25	1			1
Ramsar Sites					
Sites of Special Scientific Interest	pg 25			1	
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>Discharge Consents</b></p> <p>Operator: Courteenhall Farms  Property Type: Arable Farming  Location: West Lodge Farm Courteenhall Road, Courteenhall, Northampton, Nn7 2qb  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Gwnlf40195  Permit Version: 1  Effective Date: 31st March 1999  Issued Date: 17th January 2001  Revocation Date: Not Supplied  Discharge Type: Trade Discharge - Agricultural And Surface  Discharge: Land/Soakaway  Environment:  Receiving Water: Groundwater  <b>Status: Deemed Groundwater Regulations Authorisation</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8SW (SE)	321	2	474950 253400
2	<p><b>Discharge Consents</b></p> <p>Operator: Roy Mineards  Property Type: Horticulture Est. Nursery Gardens  Location: Roseacre Nursery Barn Lane, Milton Malsor, Northampton, Nn7 3ag  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Pr5lf3401  Permit Version: 1  Effective Date: 28th February 1977  Issued Date: 28th February 1977  Revocation Date: 1st October 1996  Discharge Type: Unknown  Discharge: Onto Land  Environment:  Receiving Water: Land  <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	A10NE (NW)	471	2	473910 254520
3	<p><b>Discharge Consents</b></p> <p>Operator: Roger R Harris  Property Type: Domestic Property (Single)  Location: Bridge Cottage Blisworth Road, Courteenhall, Northampton, Nn7 2qb  Authority: Environment Agency, Anglian Region  Catchment Area: Wootton Brook (Gayton)  Reference: Pr5lf3002  Permit Version: 2  Effective Date: 14th December 2011  Issued Date: 14th December 2011  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Land/Soakaway  Environment:  Receiving Water: Land  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 10m</p>	A3NE (S)	649	2	474748 253047
3	<p><b>Discharge Consents</b></p> <p>Operator: Roger R Harris  Property Type: Domestic Property (Single)  Location: Bridge Cottage Blisworth Road, Courteenhall, Northampton, Nn7 2qb  Authority: Environment Agency, Anglian Region  Catchment Area: Wootton Brook (Gayton)  Reference: Pr5lf3002  Permit Version: 1  Effective Date: 17th January 1966  Issued Date: 17th January 1966  Revocation Date: 13th December 2011  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Land/Soakaway  Environment:  Receiving Water: Land  <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	A3NE (S)	649	2	474748 253047

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<b>Discharge Consents</b> Operator: D.C. Baines Esq Property Type: Sewage Disposal Works - Other Location: Thorpewood Farm Barns, Courteenhall, Northampton Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Prnlf03868 Permit Version: 1 Effective Date: 5th November 1990 Issued Date: 5th November 1990 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Not Supplied Environment: Receiving Water: Not Supplied <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b> Positional Accuracy: Located by supplier to within 10m	A3SW (S)	848	2	474320 252900
5	<b>Discharge Consents</b> Operator: David Charles Baines Property Type: Sewage Disposal Works - Other Location: Thorpewood Farm House And Barns Blisworth Road, Courteenhall, Northampton, Nn7 2qb Authority: Environment Agency, Anglian Region Catchment Area: Wootton Brook (Gayton) Reference: Prnfn18087 Permit Version: 1 Effective Date: 1st March 2004 Issued Date: 28th February 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Wootton Brook <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A3SW (S)	887	2	474410 252830
	<b>Nearest Surface Water Feature</b>	A11NE (NE)	0	-	474657 254354
	<b>Water Abstractions</b> Operator: A J Kelcher Esq Licence Number: 5/32/04/*g/034 Permit Version: Not Supplied Location: Borehole Thorpewood Farm, ROADE Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 4 Yearly Rate (m3): 10000 Details: Northampton Sanstone; 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	A3SE (S)	1020	2	474480 252680
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	A11SE (SE)	0	2	474500 254112
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	A16SE (NE)	0	2	475176 254756
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A12SW (E)	0	3	475000 254112
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A16NW (NE)	0	3	475000 255001
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A11SE (SE)	0	3	474500 254112

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A15NE (N)	0	3	474500 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A15SW (N)	0	3	474463 254966
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A16SE (NE)	0	3	475205 254744
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A16NW (NE)	0	3	475000 255095
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A15NE (N)	0	3	474556 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A7NE (SE)	0	3	474643 253965
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A11SE (SE)	0	3	474500 254112
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A15NE (N)	0	3	474500 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A15NW (N)	0	3	474368 255315
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A15NW (N)	0	3	474159 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(NE)	0	3	475581 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A16NW (NE)	0	3	475000 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A12SW (E)	0	3	475000 254112
	<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				
6	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12SE (E)	0	2	475290 254008

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A7NE (S)	0	2	474545 253685
8	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12SE (E)	0	2	475397 254052
9	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	(NE)	0	2	475500 254595
10	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12SE (E)	7	2	475337 254043
11	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12SE (E)	59	2	475392 254043
12	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12SE (E)	61	2	475393 254045

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A7NE (S)	86	2	474496 253686
14	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8NE (SE)	183	2	475352 253694
15	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A7NW (S)	204	2	474422 253686
16	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8SE (SE)	426	2	475357 253494
17	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8SE (SE)	431	2	475373 253505
18	<b>Detailed River Network Lines</b> River Type: Lake/Reservoir River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8SE (SE)	434	2	475375 253502

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8SE (SE)	437	2	475356 253477
20	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8SE (SE)	458	2	475389 253482
21	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8SE (SE)	495	2	475403 253443
22	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	A7NW (S)	149	2	474423 253856
23	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	A7NW (SW)	222	2	474349 253866
24	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	A8SE (SE)	358	2	475354 253591
25	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	A8SE (SE)	382	2	475359 253565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<b>Historical Landfill Sites</b> Licence Holder: Sandspinnners Limited Location: Courteenhall Road, Blisworth Name: Blisworth Lodge Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL02279 First Input Date: 1st February 1982 Last Input Date: 30th September 1991 Specified Waste: Deposited Waste included Inert Waste and Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: S/026, 2800/5409	A3NW (S)	710	2	474162 253158
	<b>Local Authority Landfill Coverage</b> Name: South Northamptonshire District Council - Has supplied landfill data		0	9	474500 254112
	<b>Local Authority Landfill Coverage</b> Name: Northamptonshire County Council - Has supplied landfill data		0	8	474500 254112
	<b>Local Authority Landfill Coverage</b> Name: Northampton Borough Council - Has no landfill data to supply		0	7	475300 255068
27	<b>Registered Landfill Sites</b> Licence Holder: Sandspinnners Ltd Licence Reference: S/026 (S/ 17) Site Location: Blisworth Lodge Farm, Courteenhall Road, Blisworth, Northampton, Northamptonshire Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: As Site Address Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 16th January 1984 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate Authorised Waste: Northamptonshire Category C * Northants/Lincs Category A * Northants/Lincs Category B * Sewage Prohibited Waste: Carcasses And Flesh Environment Agency Excavated Natural Materials \$ must give specific authorisation for this waste to be acceptedWaste requires prior approval	A2NE (SW)	897	2	473953 253104



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Upper Lias	A11SE (SE)	0	3	474500 254112
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A16NW (N)	0	4	474833 255051
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A16NW (NE)	0	4	475000 255095
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15SW (N)	0	4	474463 254965
	<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: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A11SE (SE)	0	4	474500 254112
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A16SE (NE)	0	4	475205 254743
	<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: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SW (E)	0	4	475000 254112

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (E)	0	4	475000 254091
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A16NW (NE)	0	4	475000 255000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (N)	0	4	474368 255314
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NE (N)	0	4	474555 255000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A11SE (S)	0	4	474500 254000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (SE)	0	4	474641 254000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NE (N)	0	4	474500 255000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (S)	0	4	474546 253980
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NE (SE)	0	4	474643 253964
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (E)	0	4	475000 254000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (E)	0	4	475110 254000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (W)	116	4	474378 254079

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (N)	142	4	474158 255000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A11SW (W)	159	4	474340 254058
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A11SW (SW)	167	4	474356 254000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (NW)	181	4	474108 254948
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (SE)	219	4	474859 253464
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (SE)	222	4	475000 253520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A8SW (SE)	246	4	474864 253437
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A8SW (SE)	250	4	475000 253490
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	253	4	475328 253669
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14NE (NW)	289	4	474000 255000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SW (SE)	293	4	474930 253410
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SW (SE)	294	4	475000 253443

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7SW (S)	298	4	474351 253500
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7SE (S)	302	4	474656 253387
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (NW)	338	4	473902 254814
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (S)	340	4	474421 253388
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (SE)	350	4	474967 253374
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (SE)	350	4	475000 253383

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10NE (NW)	350	4	474000 254560
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (S)	352	4	474603 253336
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (S)	364	4	474478 253349
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SE (W)	377	4	474000 254112
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7SE (S)	392	4	474475 253322
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7SW (S)	441	4	474257 253384

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SW (S)	448	4	474378 253309
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7SW (S)	462	4	474292 253335
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NW (S)	477	4	474368 253291
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A10SE (W)	494	4	474000 254000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A3NW (S)	545	4	474289 253248
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NW)	596	4	473638 255303



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	(SE)	609	4	475510 253372
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NW (NW)	663	4	473646 255211
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NW)	668	4	473621 255285
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NW)	682	4	473593 255317
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A3NE (S)	688	4	474494 253012
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NE (S)	688	4	474660 253000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3NE (S)	688	4	474633 253000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A3NE (S)	688	4	474559 253000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A3NE (S)	692	4	474500 253000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NW)	701	4	473607 255283
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NW)	704	4	473590 255314
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A4NW (SE)	724	4	475000 253000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A6SE (SW)	734	4	473901 253545
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A3NE (S)	740	4	474805 252962
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A3SW (S)	743	4	474432 252952
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6SE (SW)	756	4	473924 253338
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A2NE (SW)	774	4	474000 253244
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A4SW (S)	819	4	475000 252904

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A2NE (SW)	821	4	474000 253168
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A4NE (SE)	836	4	475362 253000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A2NE (SW)	891	4	474000 253062
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A2NE (S)	905	4	474041 253003
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A2NE (SW)	922	4	474000 253018
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A4SW (S)	929	4	474909 252787

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A2NE (SW)	936	4	474000 253000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A6SW (SW)	936	4	473761 253353
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	(SE)	938	4	475562 253000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A4SW (S)	949	4	475000 252773
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A4SW (S)	969	4	474929 252747
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A4SW (S)	985	4	475000 252737

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	<b>BGS Recorded Mineral Sites</b> Site Name: Milton Sand Pit Location: , Milton, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139749 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NE (NW)	425	3	473894 255159
29	<b>BGS Recorded Mineral Sites</b> Site Name: Blisworth Stone Works Location: , Blisworth, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139747 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Jurassic Geology: Blisworth Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A2NE (SW)	965	3	473916 253044
	<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> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	3	474500 254112
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254112
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	3	475000 255000
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	3	474500 255000
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	3	474500 254112
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254112
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	3	474500 255000
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	3	475000 255000
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	3	474500 254112
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	3	474500 255000
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	3	475000 255000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254112
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8SW (SE)	246	3	474864 253437
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8SW (SE)	250	3	475000 253490
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	3	474500 255000
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	3	475000 255000
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	3	474500 254112
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254112
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A7SE (S)	176	3	474489 253586
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7SW (S)	247	3	474453 253515
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	3	474500 255000
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	3	475000 255000
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	3	474500 254112
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254112
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NE (SE)	0	3	474643 253964
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (W)	0	3	474378 254079
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254091
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (W)	159	3	474340 254058
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254112
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	3	474500 254112
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	3	474555 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	3	475000 255000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	3	474500 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15SW (N)	0	3	474463 254965
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	3	474368 255314
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	3	474158 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	3	475000 255095
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A16SE (NE)	0	3	475205 254743
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A14SE (NW)	181	3	474108 254948
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8SW (SE)	219	3	474859 253464
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8SW (SE)	222	3	475000 253520
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11SW (W)	0	3	474450 254112
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254112
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	3	474500 255001
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	3	475000 255001
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	3	474500 254112
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254176
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11SW (W)	0	3	474450 254112
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254112
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	3	474500 255001



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	0	3	475000 255001
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A11SE (SE)	0	3	474500 254112
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	3	475000 254176

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A11SE (SE)	0	5	474500 254112
31	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A3NW (S)	627	5	474425 253071
32	<b>Sites of Special Scientific Interest</b> Name: Roade Cutting Multiple Areas: N Total Area (m2): 151713.41 Source: Natural England Reference: 1002811 Designation Details: Geological Conservation Review Designation Date: 1st September 1986 Date Type: Notified	A3NE (S)	410	6	474522 253280













Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> South Northamptonshire Council - Environment Division Northampton Borough Council - Environmental Health Department	August 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region	September 1999	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Registered Radioactive Substances</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region	July 2014	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 2011	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually

Agency & Hydrological	Version	Update Cycle
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2014	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2014	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	Annually
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Northern Area	July 2014	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Local Authority Landfill Coverage</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	March 2014	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	November 2013	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	April 2013 March 2013 November 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	April 2013 March 2013 May 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	January 2010	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2014	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	December 2013	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	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

<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	May 2014	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	March 2014	Quarterly
<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Areas of Outstanding Natural Beauty</b> Natural England	January 2014	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	July 2013	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>National Parks</b> Natural England	January 2014	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	July 2014	Annually
<b>Ramsar Sites</b> Natural England	March 2014	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	March 2014	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	March 2014	Bi-Annually
<b>Special Protection Areas</b> Natural England	March 2014	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	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Countryside Council for Wales	 <p>CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES</p>
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	


Contact	Name and Address	Contact Details
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
5	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
6	<b>Natural England</b> Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	<b>Northampton Borough Council - Environmental Health Department</b> Cliftonville House, Bedford Road, Northampton, Northamptonshire, NN4 7NR	Telephone: 01604 238788 Fax: 01604 30503 Website: www.northampton.gov.uk
8	<b>Northamptonshire County Council</b> County Hall, Northampton, Northamptonshire, NN1 1DN	Telephone: 01604 236236 Website: www.northamptonshire.gov.uk
9	<b>South Northamptonshire Council - Environmental Health Department</b> Springfields, Towcester, Northamptonshire, NN12 6AE	Telephone: 0845 2300226 Fax: 01327 359219 Website: www.southnorthants.gov.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 / SEPA have a charging policy in place for enquiries.







## Geology 1:50,000 Maps Legends











### Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene

### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	ODT	Oadby Member	Diamicton	Anglian - Anglian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Ipswichian - Cromerian
	TUFA	Tufa	Tufa, Calcareous	Quaternary - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WBRO	Wellingborough Limestone Member	Limestone	Bathonian - Bathonian
	BWL	Blisworth Limestone Formation	Limestone	Bathonian - Bathonian
	BWC	Blisworth Clay Formation	Mudstone	Bathonian - Bathonian
	CB	Combrash Formation	Limestone	Callovian - Bathonian
	STAM	Stamford Member	Sandstone and Siltstone, Interbedded	Bathonian - Bajocian
	RLD	Rutland Formation	Mudstone	Bathonian - Bajocian
	NS	Northampton Sand Formation	Ironstone, Ooidal	Aalenian - Aalenian
	WHM	Whitby Mudstone Formation	Mudstone	Toarcian - Toarcian
	MRB	Marlstone Rock Formation	Limestone, Ferruginous	Toarcian - Pliensbachian
	DYS	Dyrham Formation	Siltstone and Mudstone, Interbedded	Pliensbachian - Pliensbachian



### Geology 1:50,000 Maps

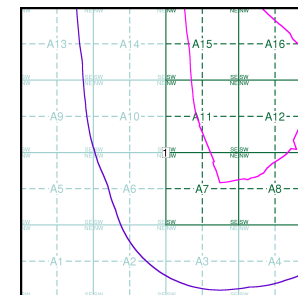
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	202
Map Name:	Towcester
Map Date:	1969
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

### Geology 1:50,000 Maps - Slice A



### Order Details:

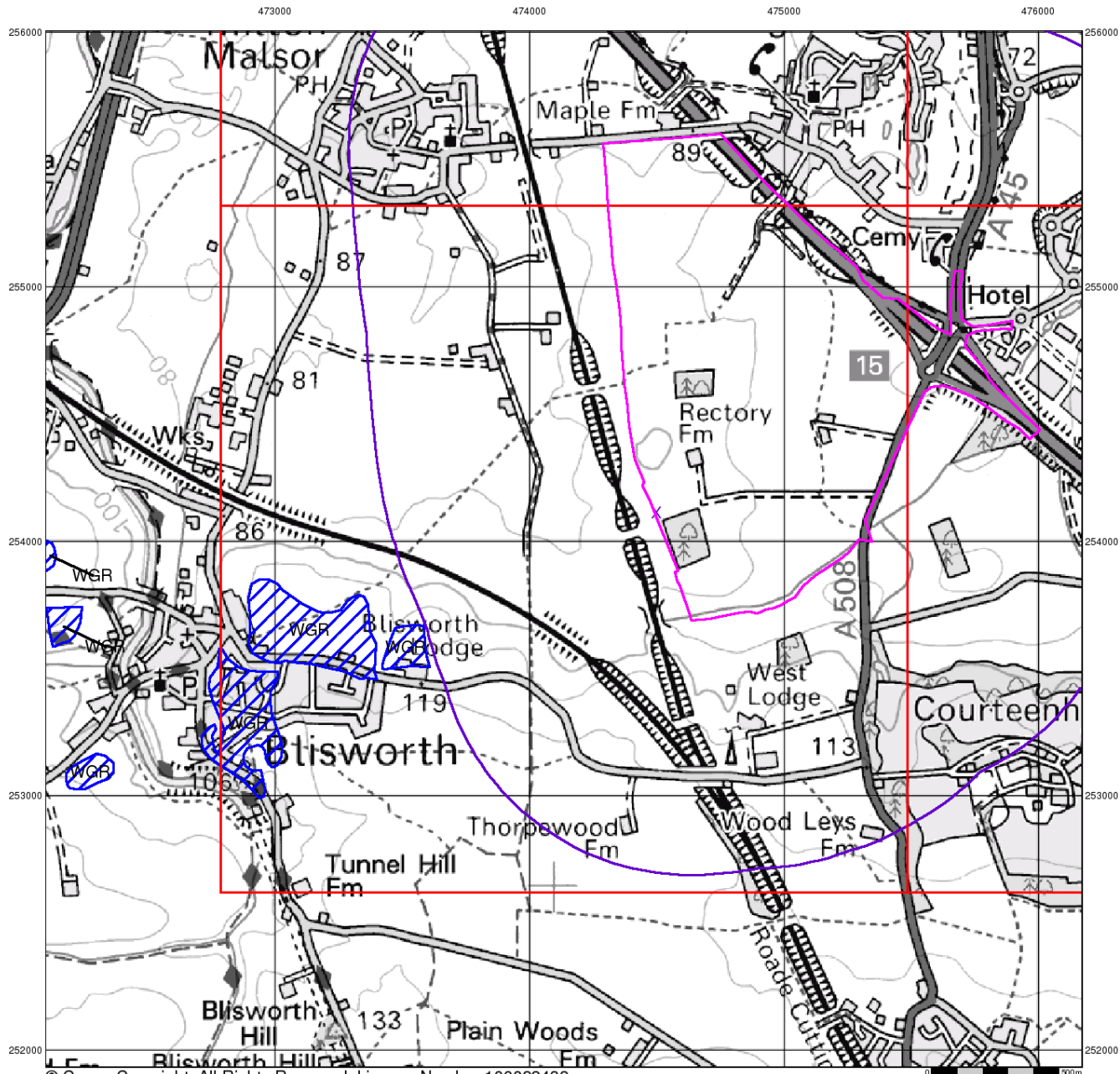
Order Number:	59121721_1_1
Customer Reference:	312598
National Grid Reference:	474500, 254110
Slice:	A
Site Area (Ha):	172.72
Search Buffer (m):	1000

### Site Details:

M1 Junction 15, NORTHAMPTON



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



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### Artificial Ground and Landslip

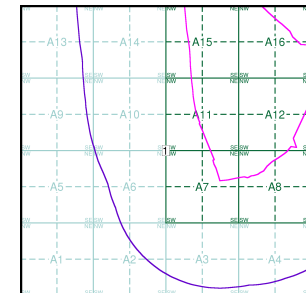
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

### Artificial Ground and Landslip Map - Slice A



#### Order Details:

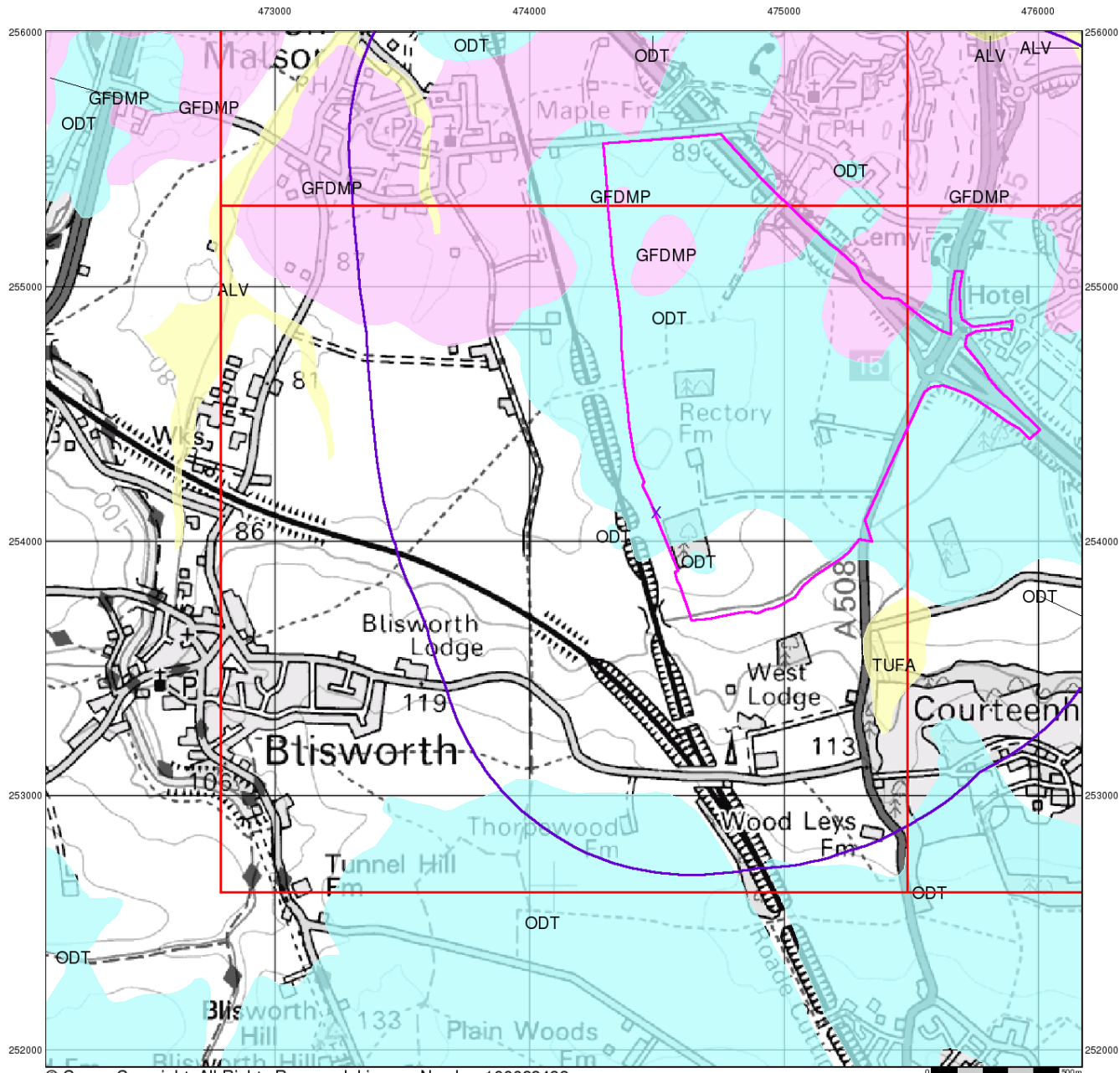
Order Number: 59121721\_1\_1  
 Customer Reference: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
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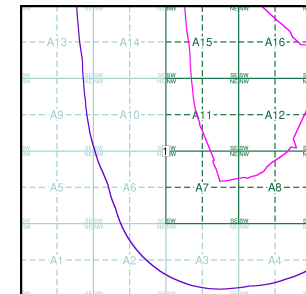
### Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice A



### Order Details:

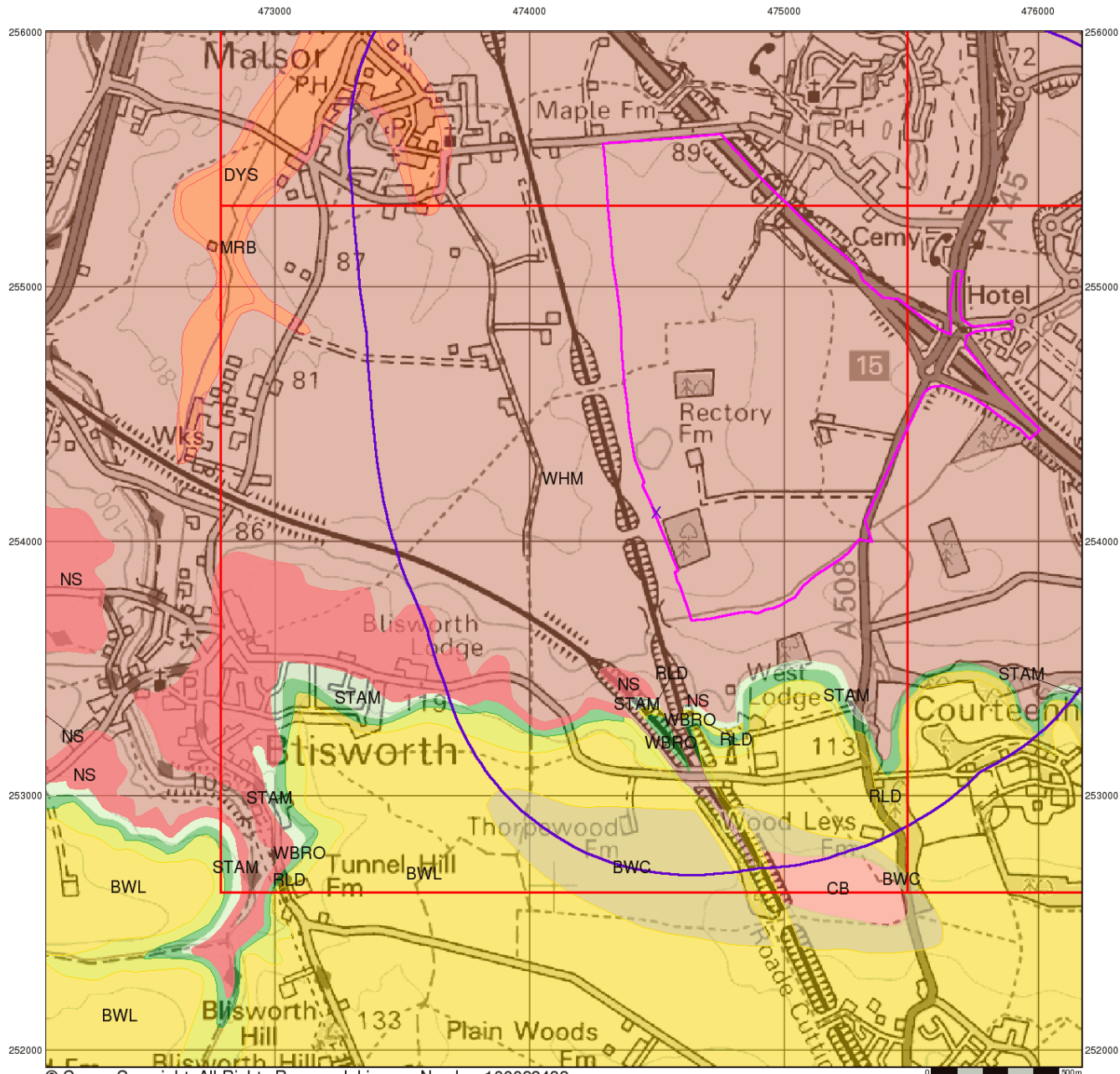
Order Number: 59121721\_1\_1  
 Customer Reference: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
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### Bedrock and Faults

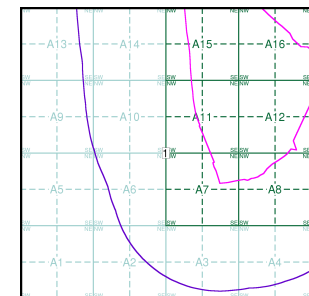
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice A



### Order Details:

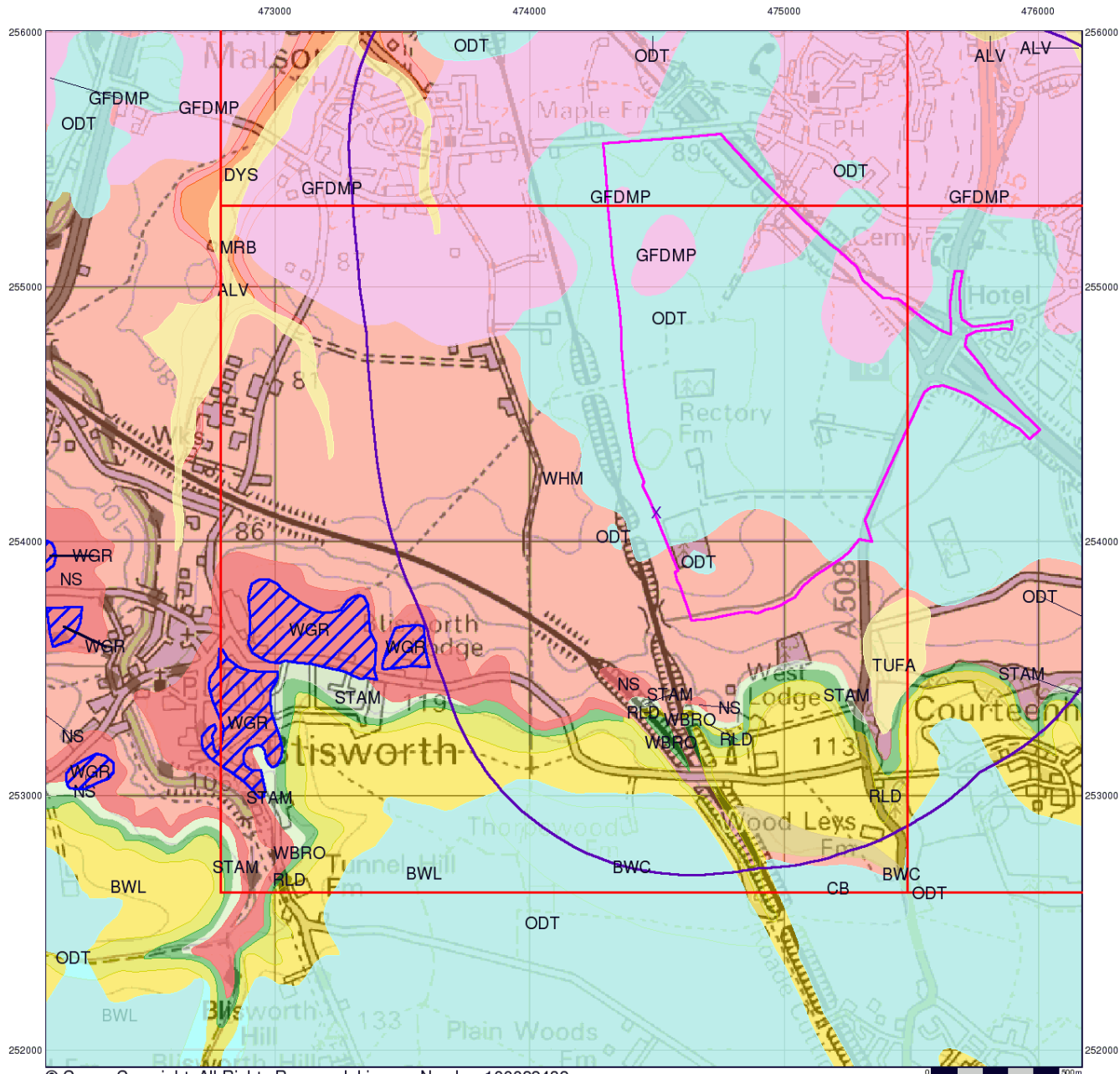
Order Number: 59121721\_1\_1  
 Customer Reference: 312598  
 National Grid Reference: 474500, 254110  
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### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
 Kingsley Dunham Centre  
 Keyworth  
 Nottingham  
 NG12 5GG  
 Telephone: 0115 936 3143  
 Fax: 0115 936 3276  
 email: enquiries@bgs.ac.uk  
 website: www.bgs.ac.uk

### Combined Geology Map - Slice A



### Order Details:

Order Number: 59121721\_1\_1  
 Customer Reference: 312598  
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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
- 285** 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
- Co. Boro. Bdy. County Borough Boundary (England)
- Co. Burgh Bdy. County Burgh Boundary (Scotland)
- R.D. Bdy. Rural District Boundary
- Civil Parish Boundary

## Ordnance Survey Plan 1:10,000

- Chalk Pit, Clay Pit or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Lake, Loch or Pond
- Dunes
- Boulders
- Coniferous Trees
- Non-Coniferous Trees
- Orchard
- Scrub
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Sloping Masonry
- Pylon
- Electricity Transmission Line
- Pole
- Cutting
- Embankment
- Standard Gauge Multiple Track
- Standard Gauge Single Track
- Siding, Tramway or Mineral Line
- Narrow Gauge
- Geographical County
- Administrative County, County Borough or County of City
- Municipal Borough, Urban or Rural District, Burgh or District Council
- Borough, Burgh or County Constituency
- Civil Parish
- BP, BS Boundary Post or Stone
- Ch Church
- CH Club House
- F E Sta Fire Engine Station
- FB Foot Bridge
- Fn Fountain
- GP Guide Post
- MP Mile Post
- MS Mile Stone
- Pol Sta Police Station
- PO Post Office
- PC Public Convenience
- PH Public House
- SB Signal Box
- Spr Spring
- TCB Telephone Call Box
- TCP Telephone Call Post
- W Well

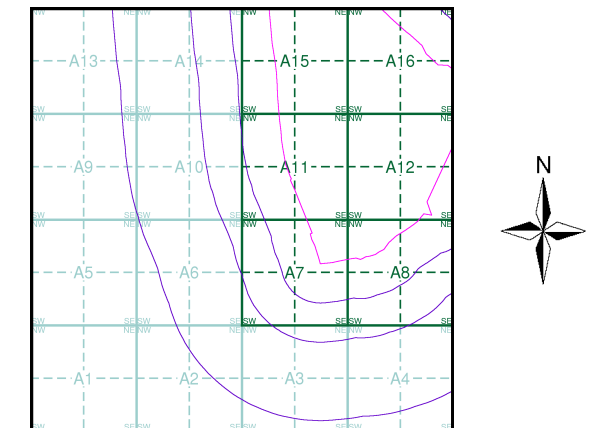
## 1:10,000 Raster Mapping

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

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:10,560	1884	3
Buckinghamshire	1:10,560	1885	4
Northamptonshire	1:10,560	1900 - 1901	5
Northamptonshire	1:10,560	1900	6
Historical Aerial Photography	1:10,560	1947 - 1949	7
Northamptonshire	1:10,560	1952	8
Ordnance Survey Plan	1:10,000	1958	9
Ordnance Survey Plan	1:10,000	1965 - 1968	10
Ordnance Survey Plan	1:10,000	1968	11
Northampton	1:10,000	1979	12
Ordnance Survey Plan	1:10,000	1982 - 1983	13
Ordnance Survey Plan	1:10,000	1990 - 1992	14
Ordnance Survey Plan	1:10,000	1993	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2014	17

## Historical Map - Slice A



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

## Site Details

M1 Junction 15, NORTHAMPTON

# Russian Military Mapping Legends

## 1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Fireproof Building		Prominent Fireproof Building
	Non-fireproof Building		Non-fireproof Building (non-dwelling)
	Factory, mill, and flour mill, with chimneys		Factory, mill, and flour mill, without chimneys
	Power Station, drawn to scale		Hydroelectric Power Station
	Radio Station, drawn to scale		Telephone Station, drawn to scale
	Abandoned Open-pit Mine or Quarry		Open-pit Salt Mine
	Pit		Oil Deposit or Well
	Oil Seepage		Natural Gas Tank
	Tailings Pile		Fuel Storage Tanks
	Bench Mark		Drill Hole
	Burial Mound		Triangulation Point on Burial Mound
	Single-track Railroad		Double-track Railroad
	Railroad and Station Building		Small Bridge
	Tunnel		Pipe (Culvert)
	Coniferous Forest		Deciduous Forest
	Mixed Forest		Lawns
	Citrus Orchard		Wet Ground
	Scattered Vegetation		

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

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

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

## 1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

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

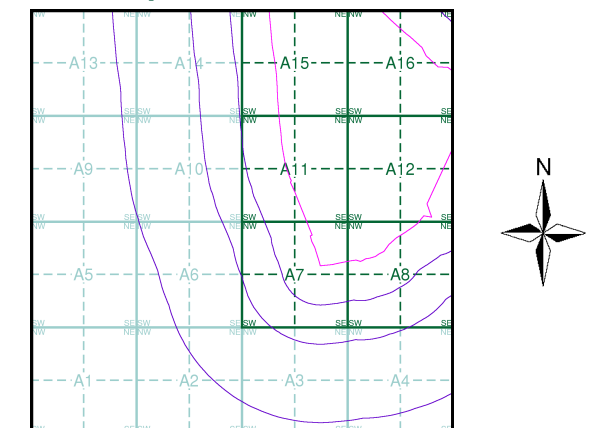
## Key to Numbers on Mapping



### Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:10,560	1884	3
Buckinghamshire	1:10,560	1885	4
Northamptonshire	1:10,560	1900 - 1901	5
Northamptonshire	1:10,560	1900	6
Historical Aerial Photography	1:10,560	1947 - 1949	7
Northamptonshire	1:10,560	1952	8
Ordnance Survey Plan	1:10,000	1958	9
Ordnance Survey Plan	1:10,000	1965 - 1968	10
Ordnance Survey Plan	1:10,000	1968	11
Northampton	1:10,000	1979	12
Ordnance Survey Plan	1:10,000	1982 - 1983	13
Ordnance Survey Plan	1:10,000	1990 - 1992	14
Ordnance Survey Plan	1:10,000	1993	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2014	17

### Russian Map - Slice A



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



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

Northamptonshire

Published 1884

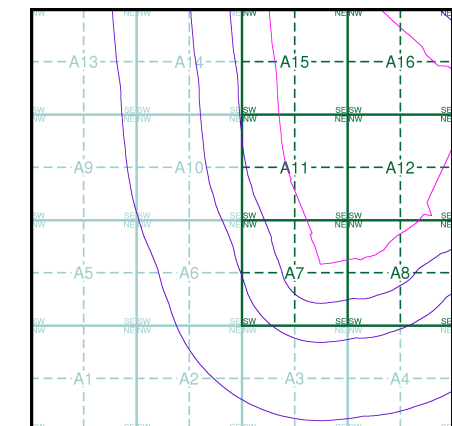
Source map scale - 1:10,560

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)

051NE 1884 1:10,560	052NW 1884 1:10,560
051SE 1884 1:10,560	052SW 1884 1:10,560

Historical Map - Slice A

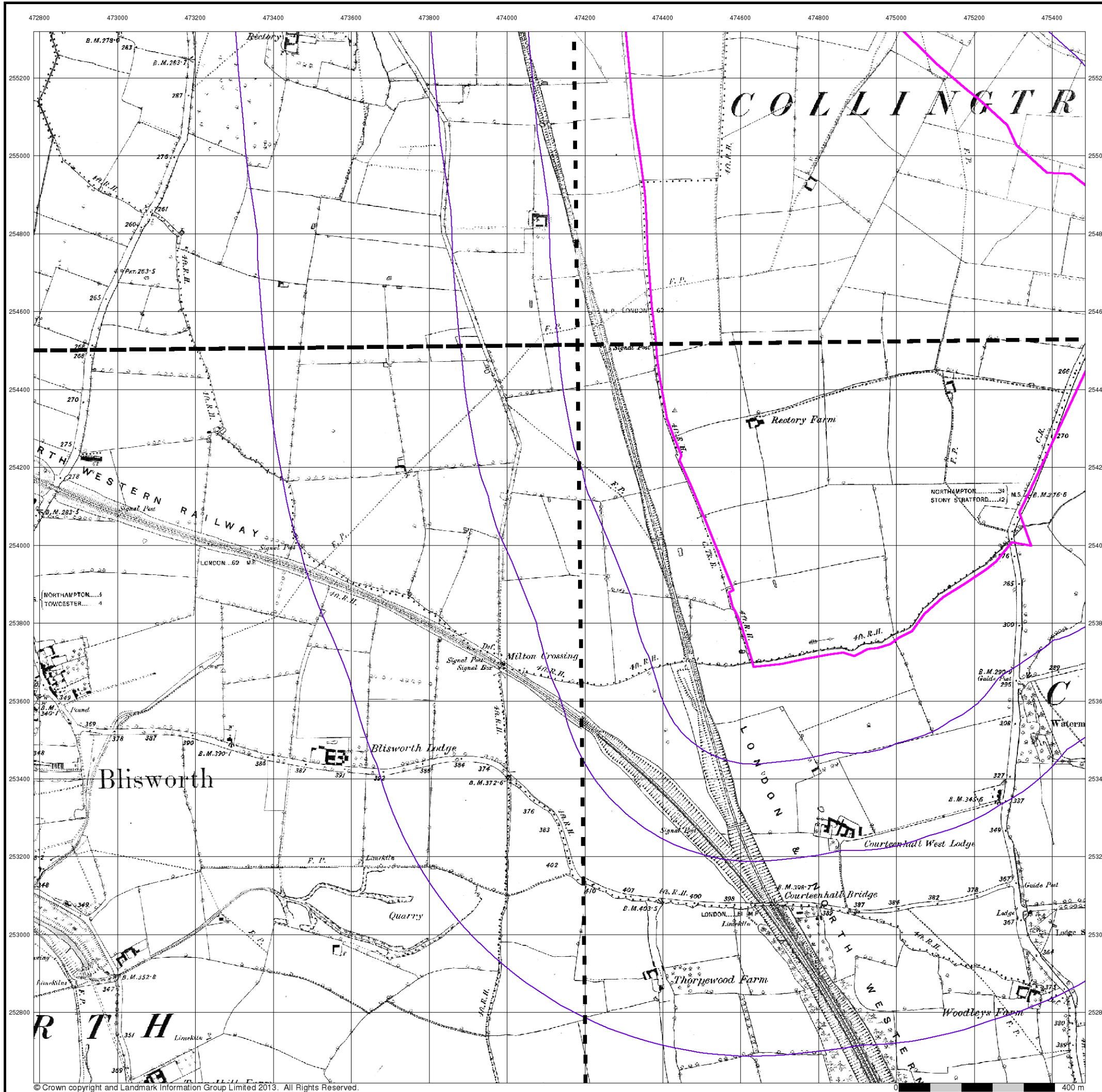


Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

Site Details

M1 Junction 15, NORTHAMPTON





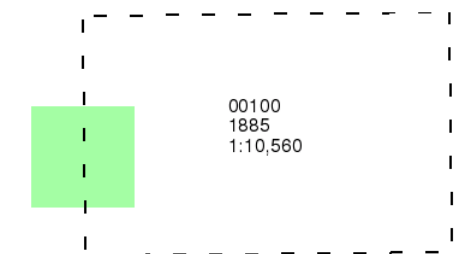
## Buckinghamshire

Published 1885

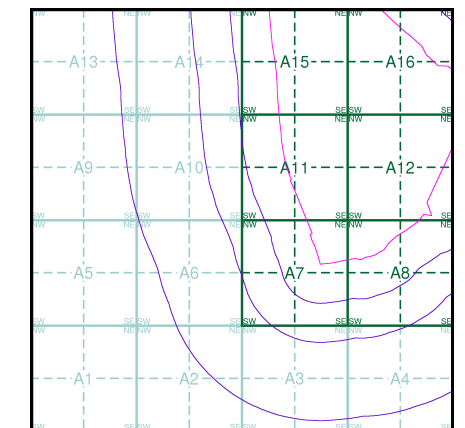
Source map scale - 1:10,560

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

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



### Historical Map - Slice A

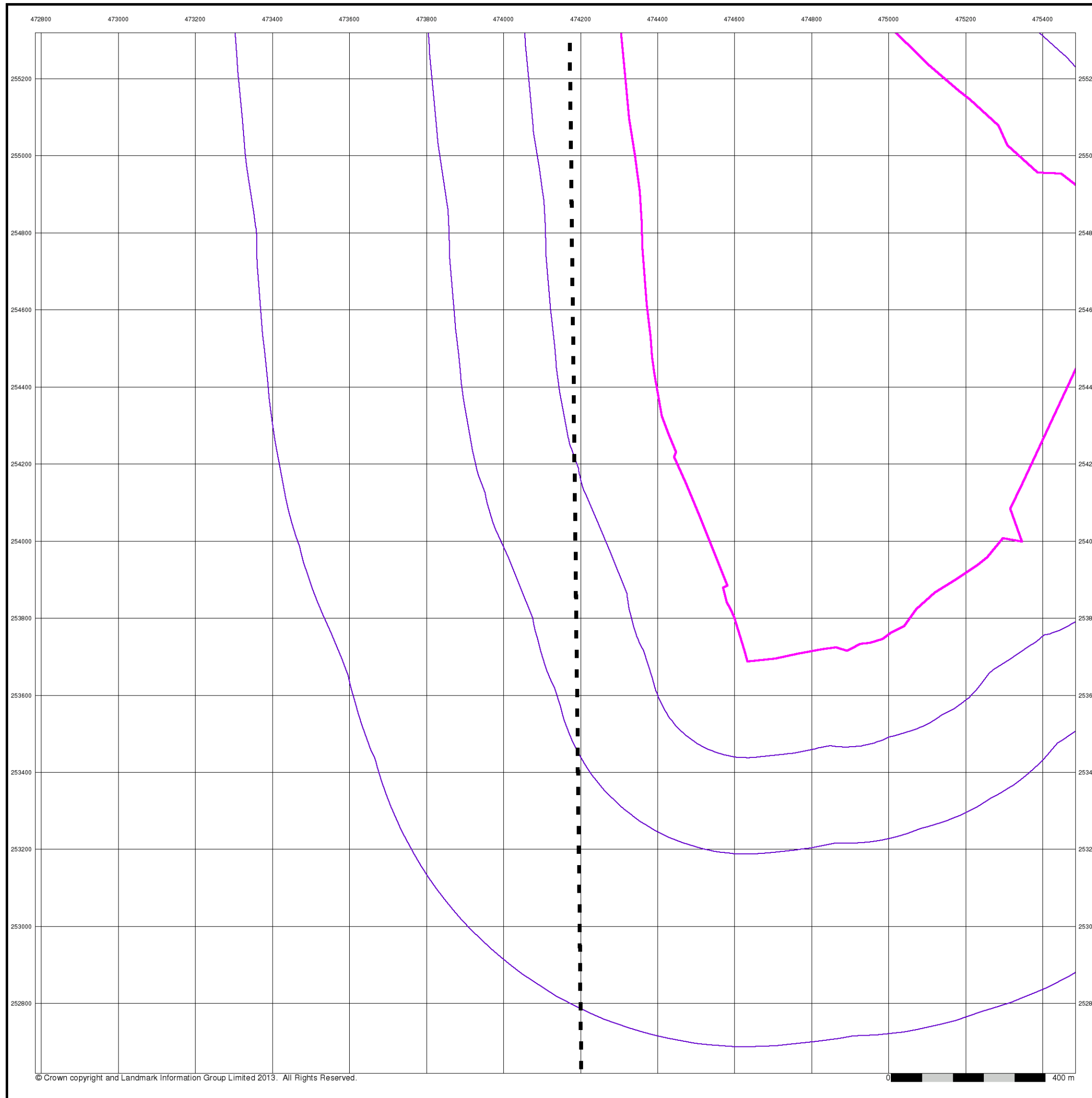


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



Northamptonshire

Published 1900 - 1901

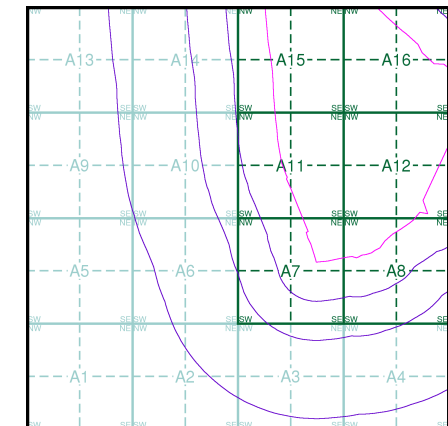
Source map scale - 1:10,560

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)

051NE 1900 1:10,560	052NW 1901 1:10,560
051SE 1900 1:10,560	052SW 1900 1:10,560

Historical Map - Slice A

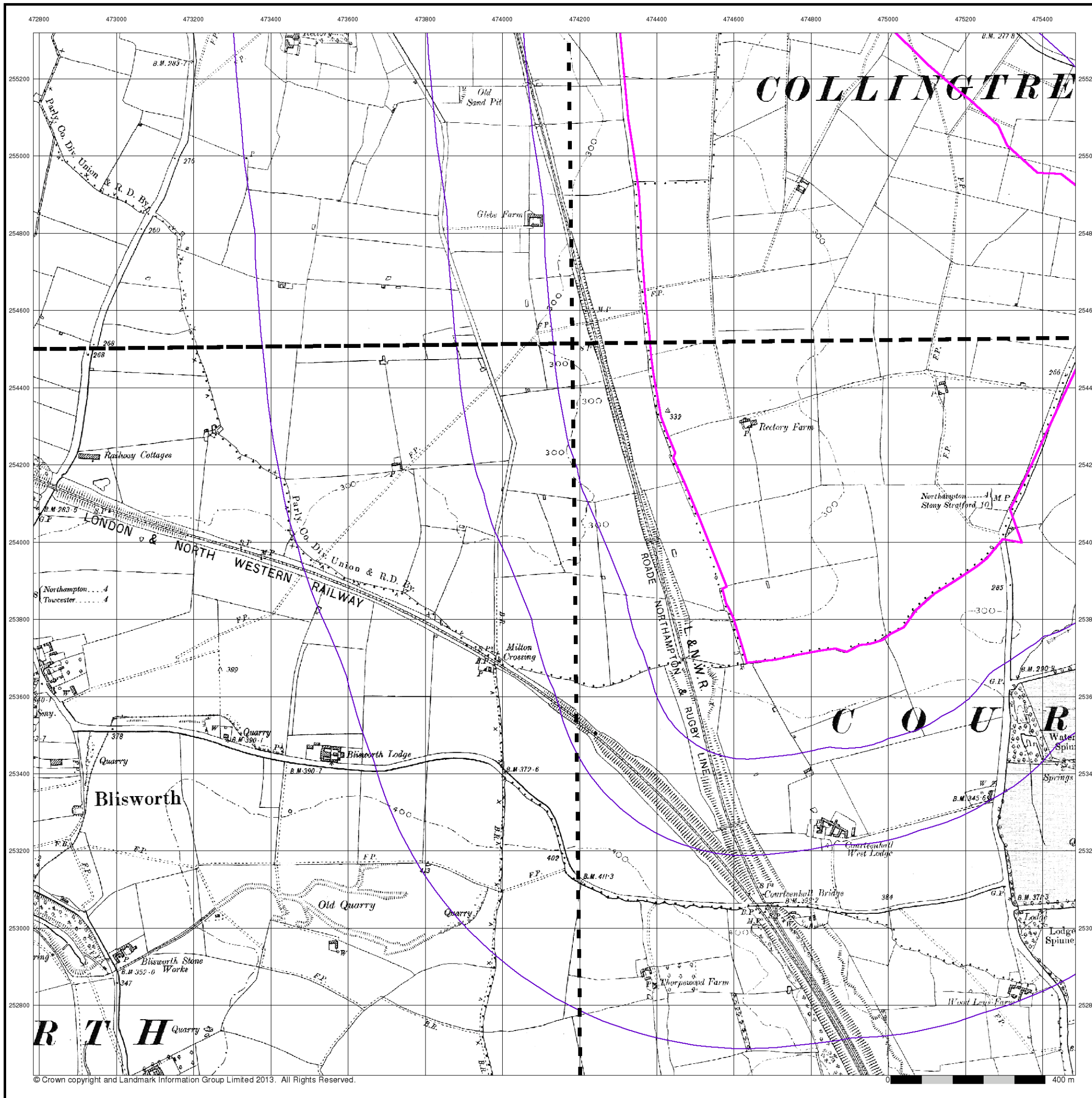


Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

Site Details

M1 Junction 15, NORTHAMPTON



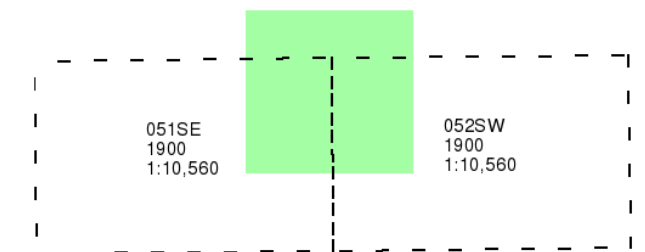
## Northamptonshire

Published 1900

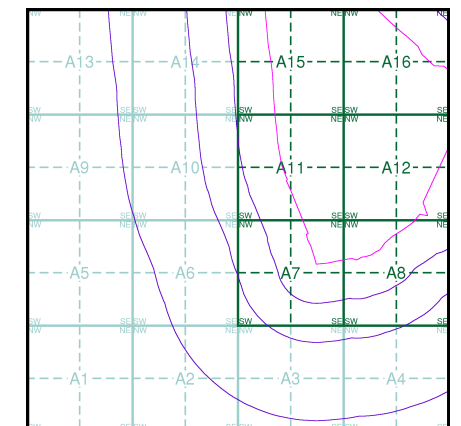
Source map scale - 1:10,560

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

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



### Historical Map - Slice A

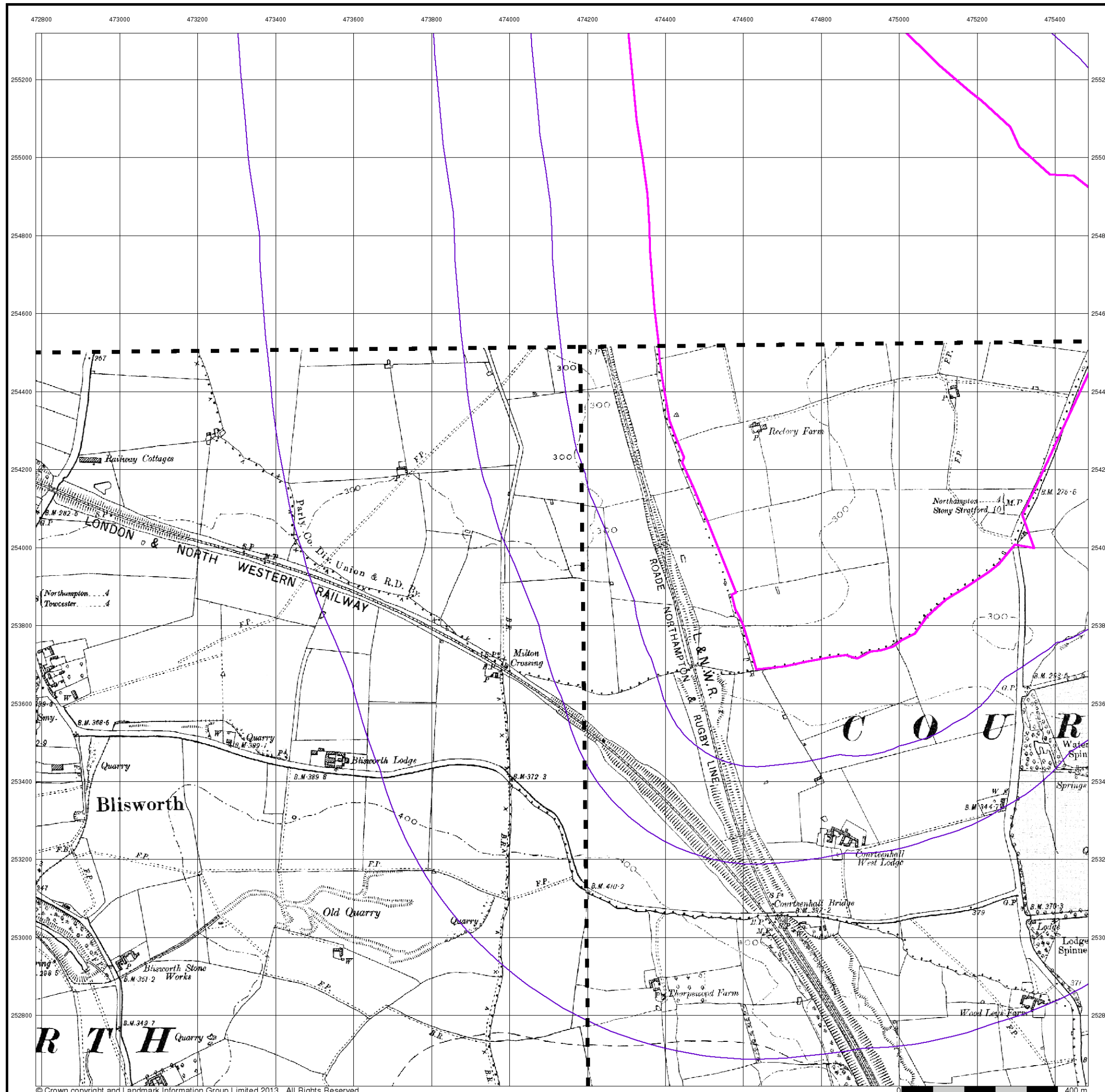


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Historical Aerial Photography

Published 1947 - 1949

Source map scale - 1:10,560

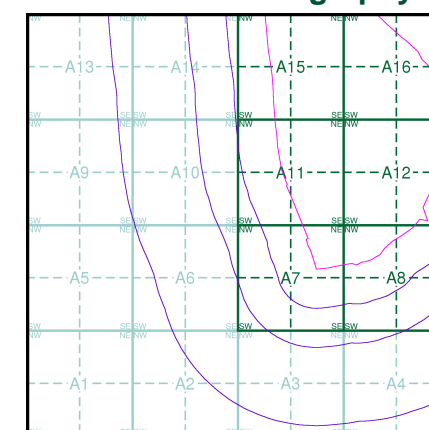
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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

SP75NW 1947 1:10,560	SP75NE 1947 1:10,560
SP75SW 1949 1:10,560	

### Historical Aerial Photography - Slice A



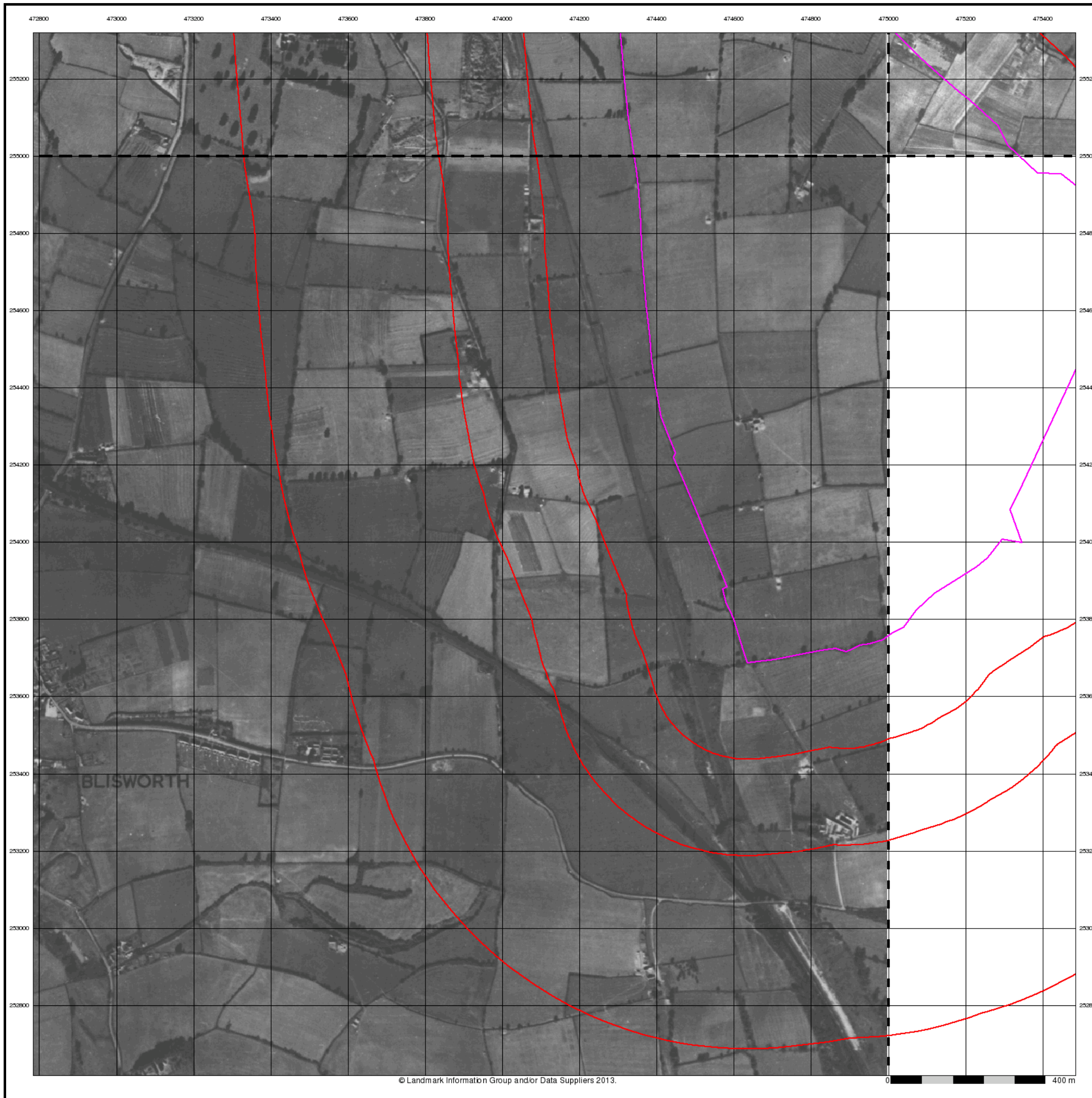
LIBRARY  
HSILIRB

### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



Northamptonshire

Published 1952

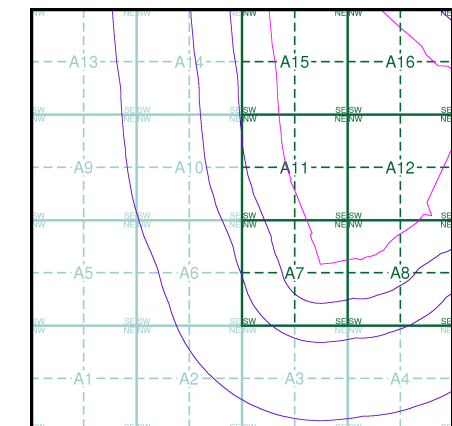
Source map scale - 1:10,560

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)

051NE 1952 1:10,560	052NW 1952 1:10,560
051SE 1952 1:10,560	052SW 1952 1:10,560

Historical Map - Slice A

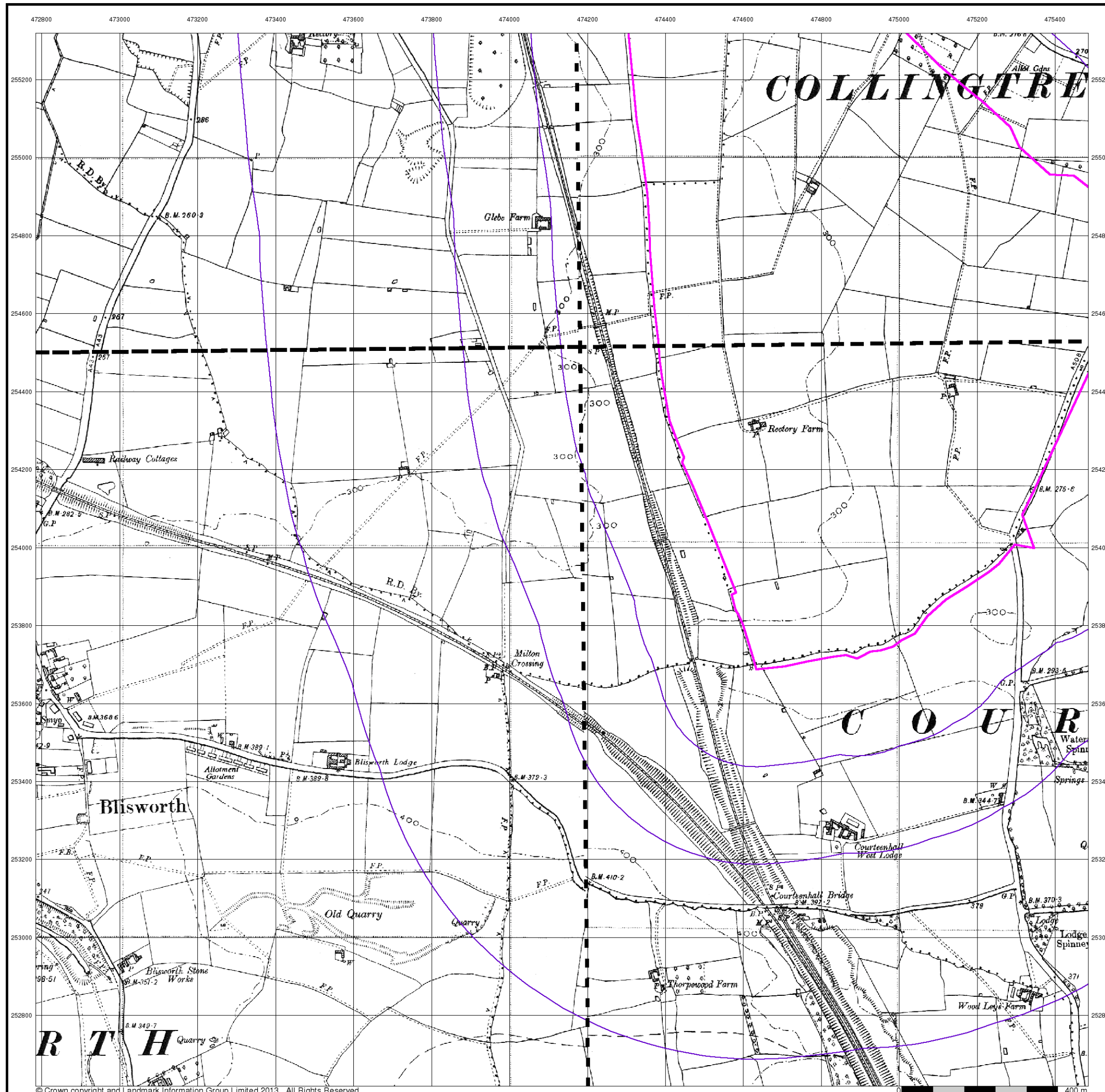


Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1958

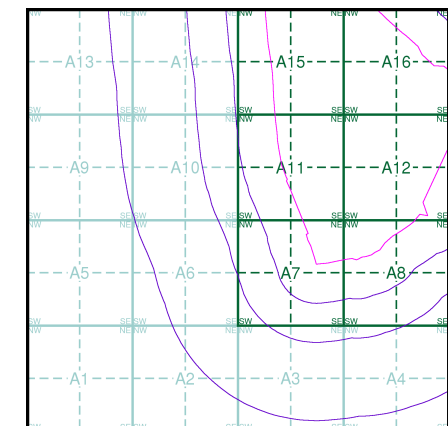
Source map scale - 1:10,000

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)

SP75NW	SP75NE
1958	1958
1:10,560	1:10,560
SP75SW	SP75SE
1958	1958
1:10,560	1:10,560

### Historical Map - Slice A

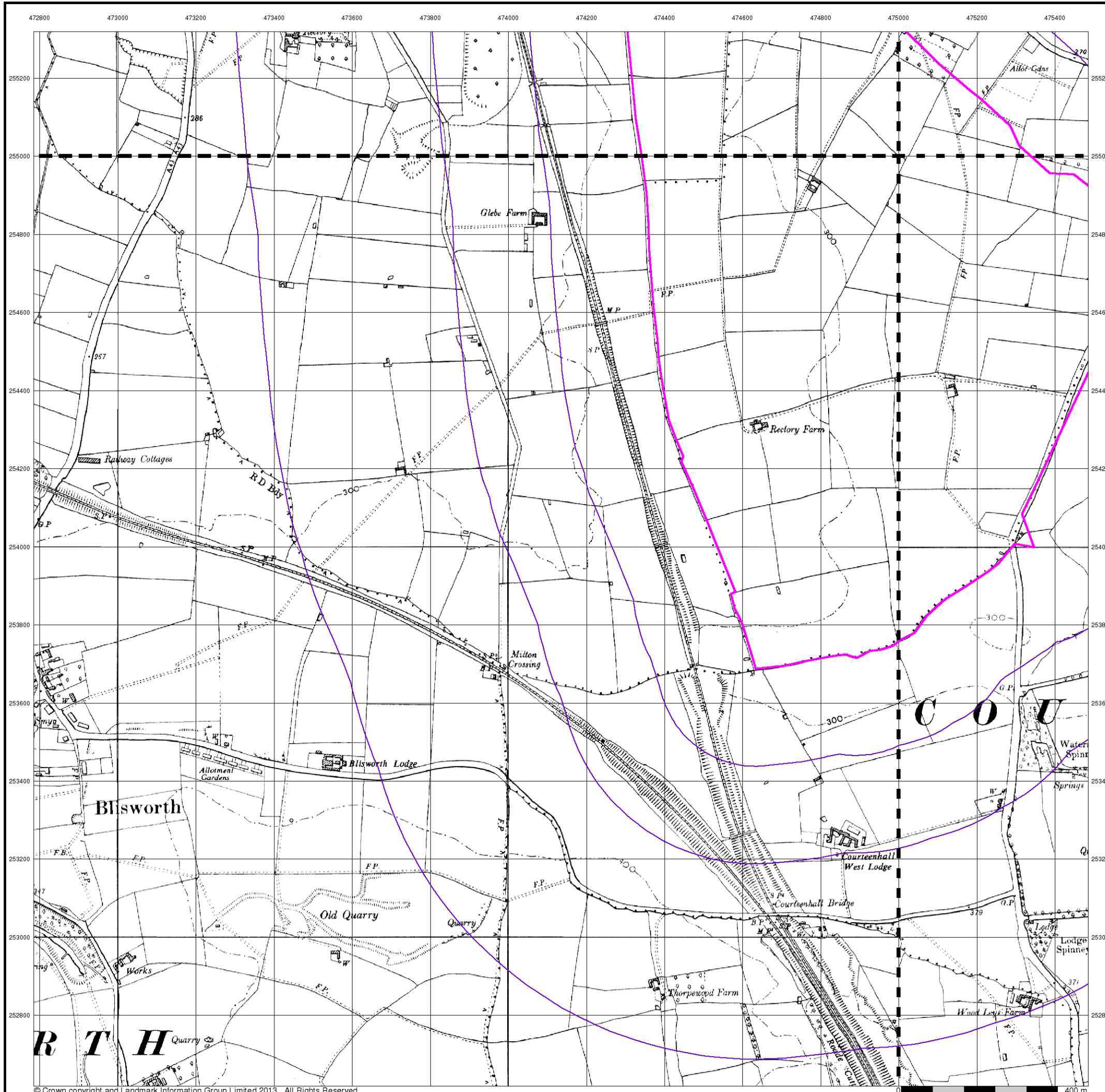


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Ordnance Survey Plan

Published 1965 - 1968

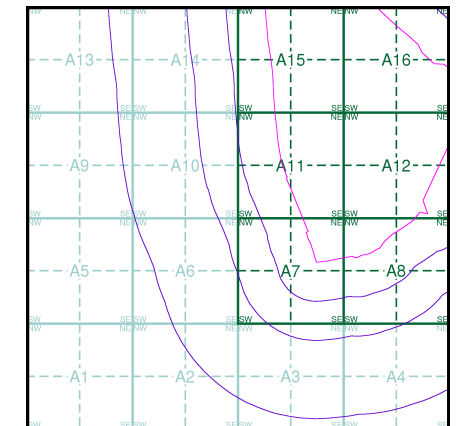
Source map scale - 1:10,000

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

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

SP75NW 1965 1:10,560	SP75NE 1965 1:10,560
<div style="background-color: #90EE90; width: 20px; height: 10px; display: inline-block; margin-right: 5px;"></div> SP75SE 1968 1:10,560	

### Historical Map - Slice A

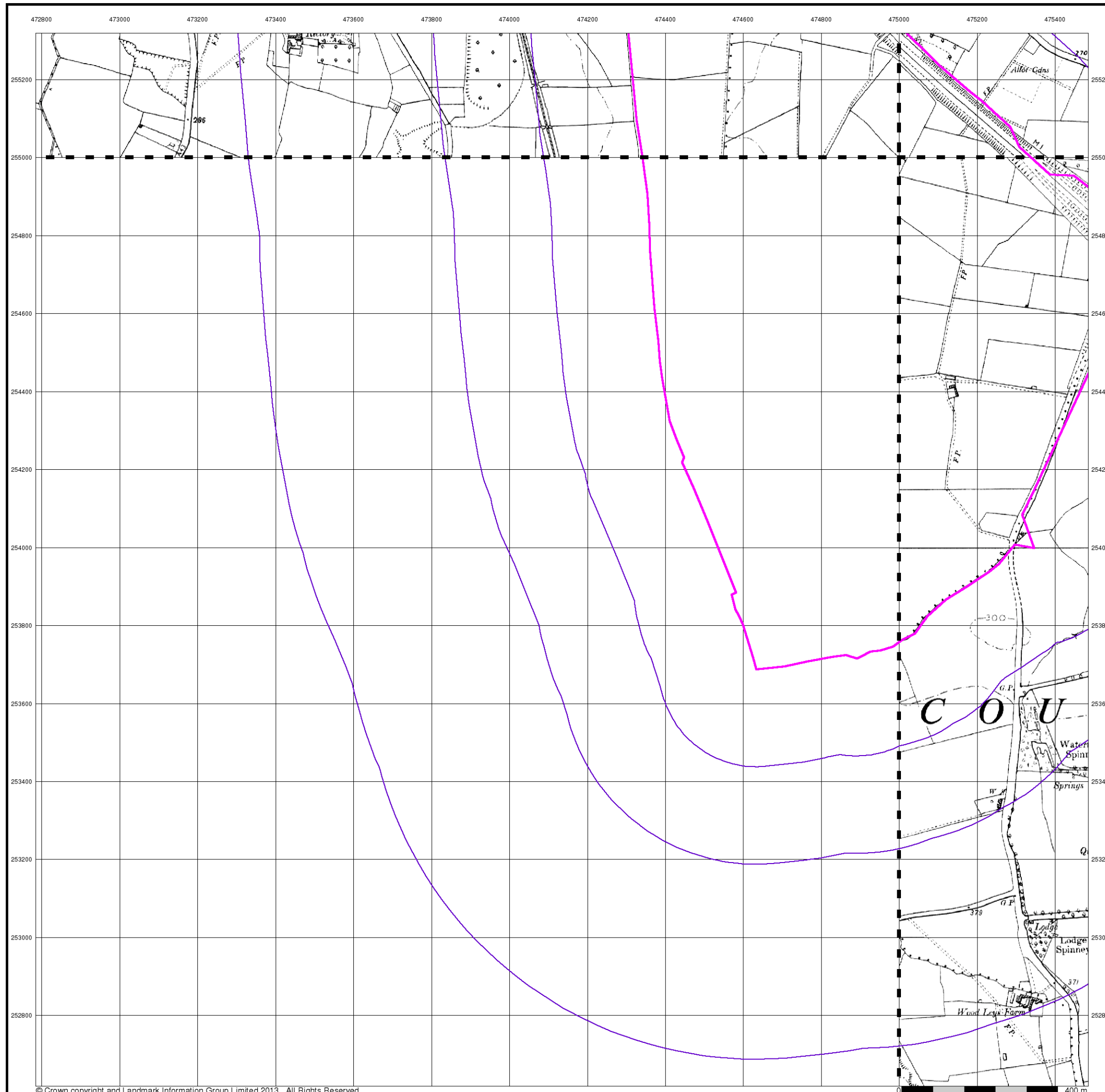


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Ordnance Survey Plan

Published 1968

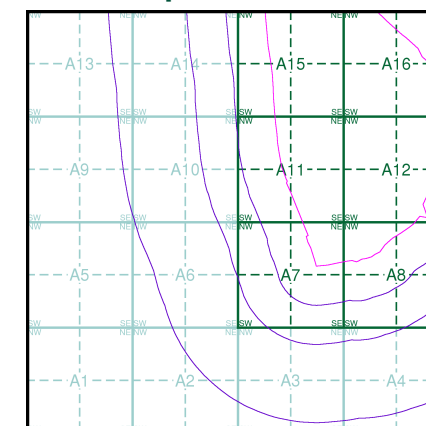
Source map scale - 1:10,000

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

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

SP75NW 1968 1:10,560	SP75NE 1968 1:10,560
----------------------------	----------------------------

### Historical Map - Slice A

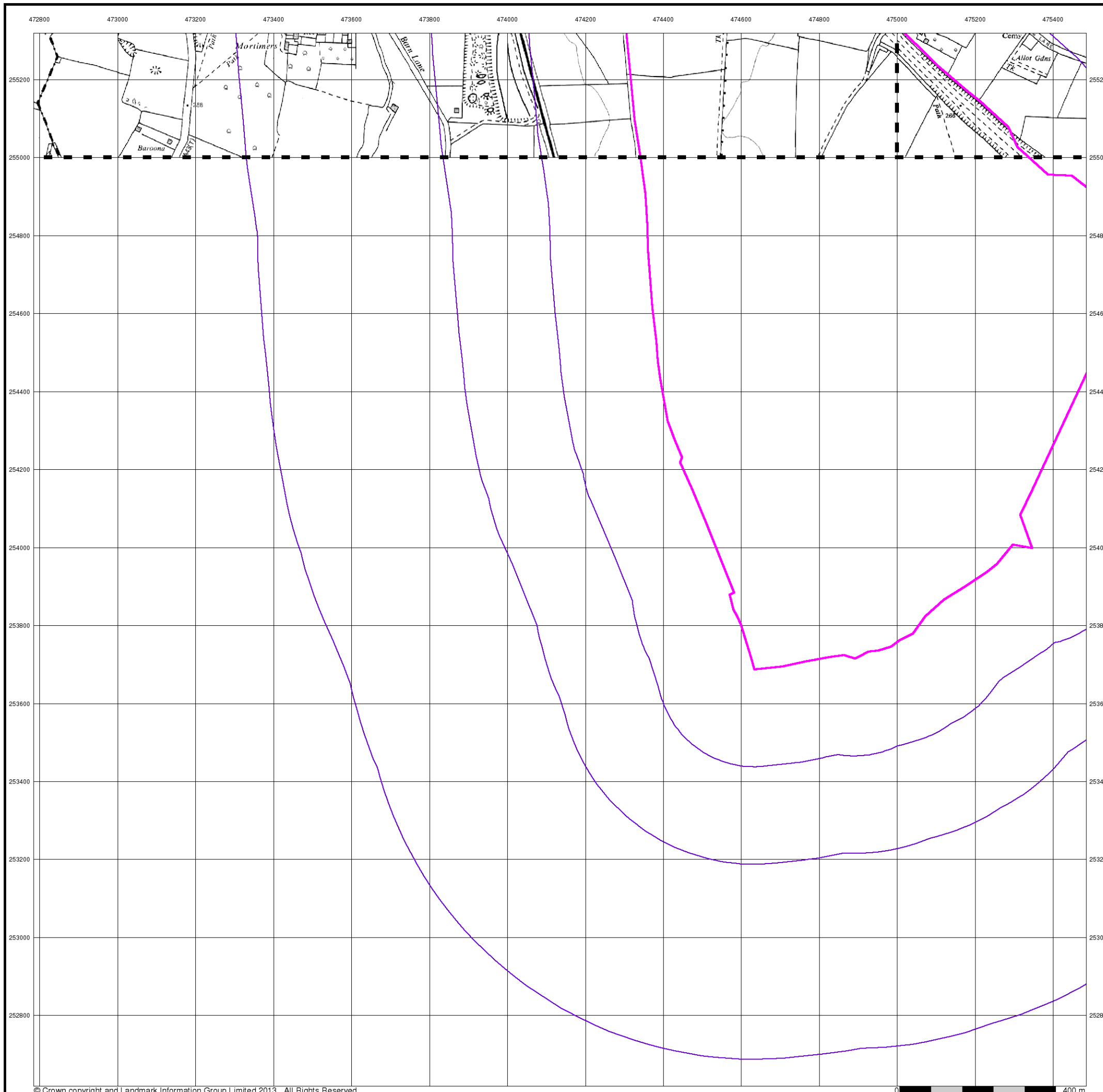


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON





## Northampton

Published 1979

Source map scale - 1:10,000

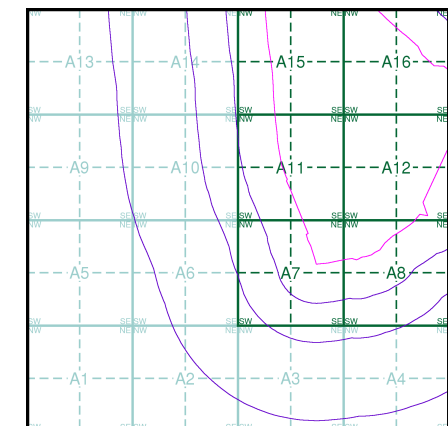
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

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

SP75NW 1979 1:10,000	SP75NE 1979 1:10,000
----------------------------	----------------------------

### Russian Map - Slice A

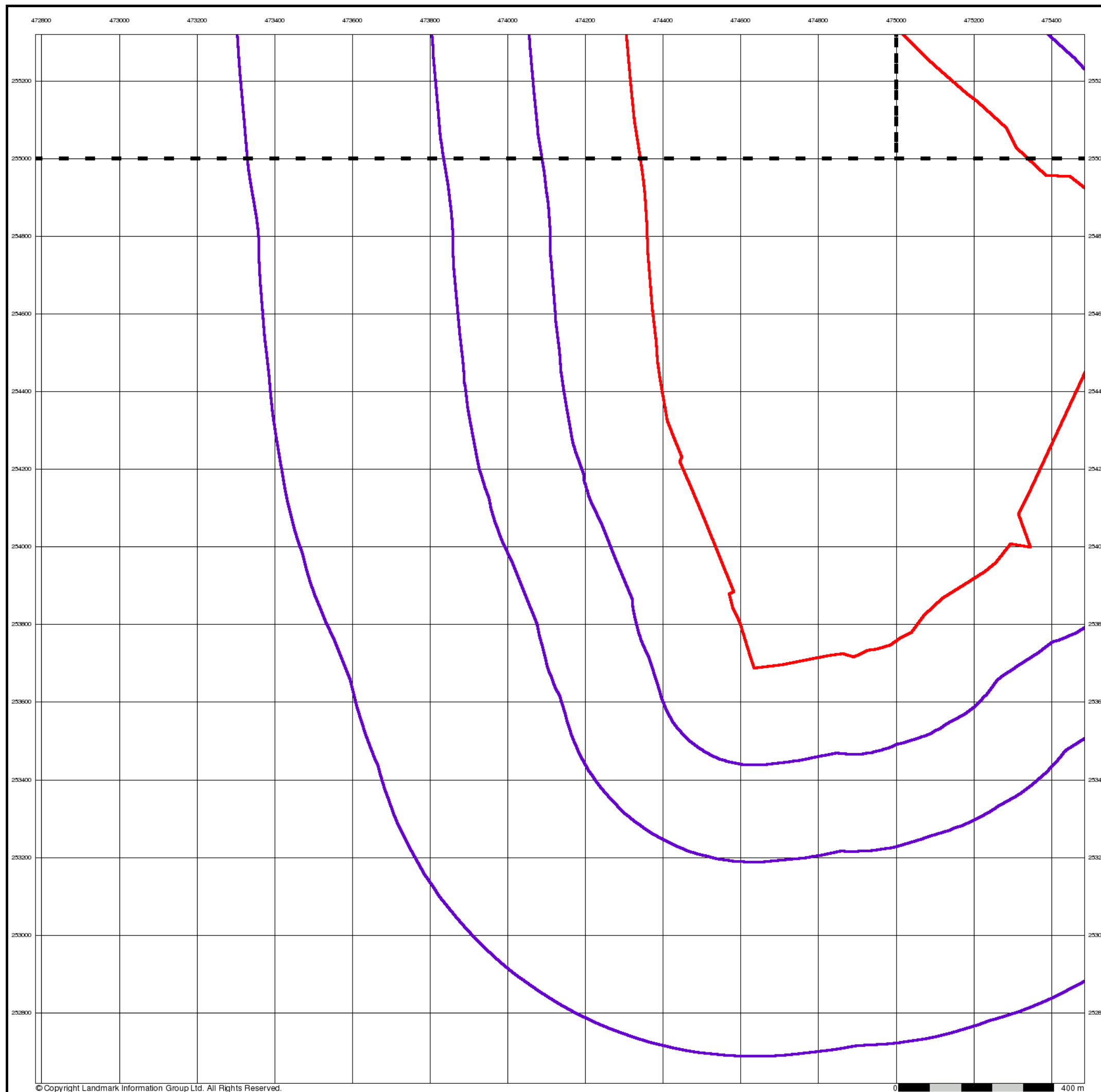


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1982 - 1983

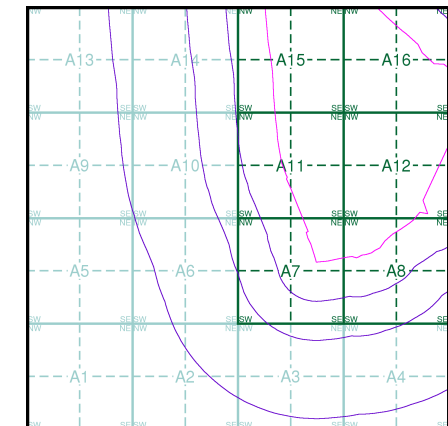
Source map scale - 1:10,000

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)

SP75NW	SP75NE
1983	1983
1:10,000	1:10,000
SP75SW	SP75SE
1982	1982
1:10,000	1:10,000

### Historical Map - Slice A

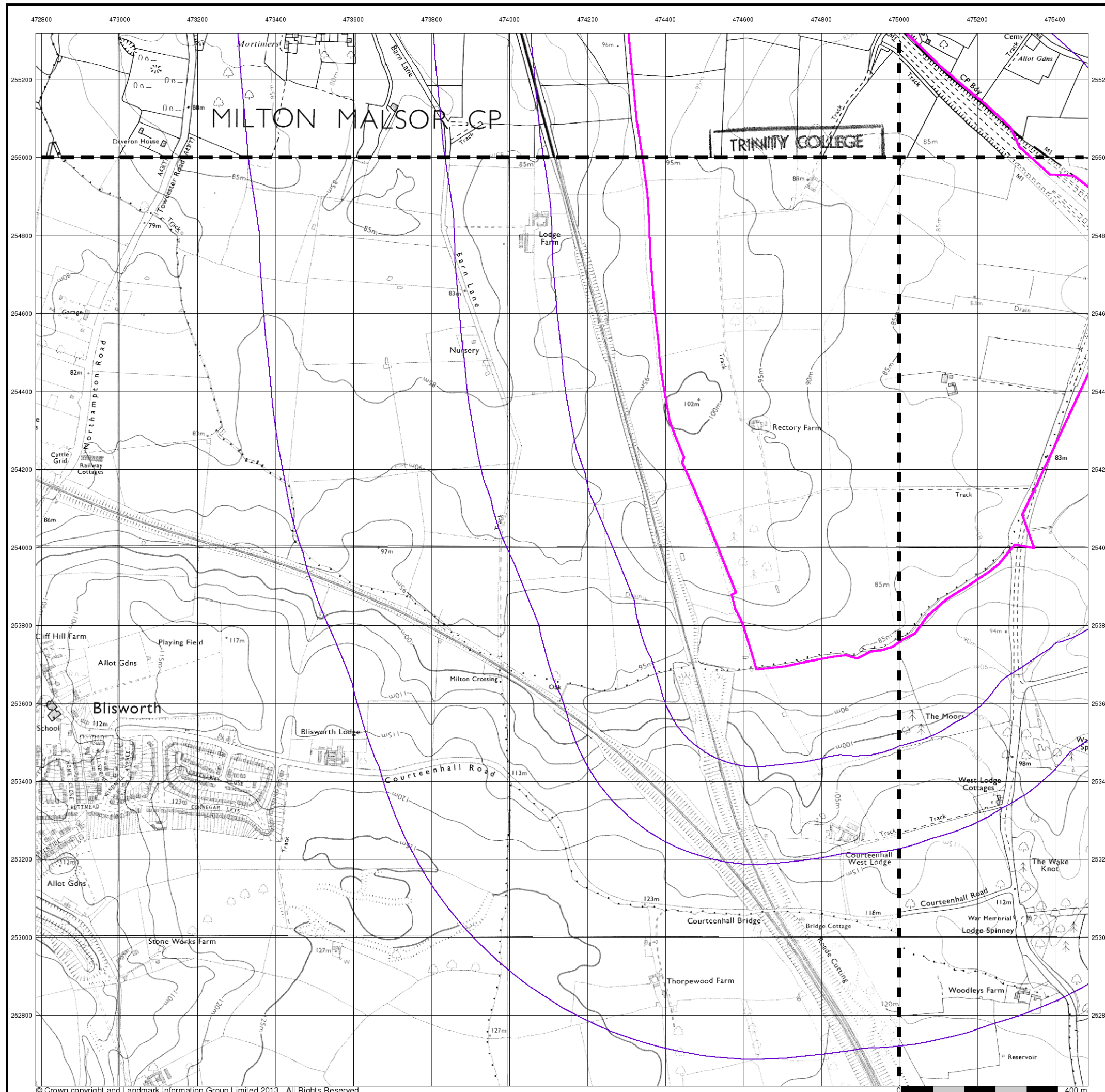


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1990 - 1992

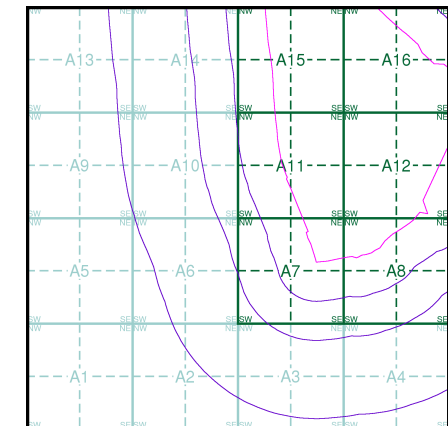
Source map scale - 1:10,000

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

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

SP75NW	SP75NE
1990	1992
1:10,000	1:10,000
SP75SW	
1990	
1:10,000	

### Historical Map - Slice A

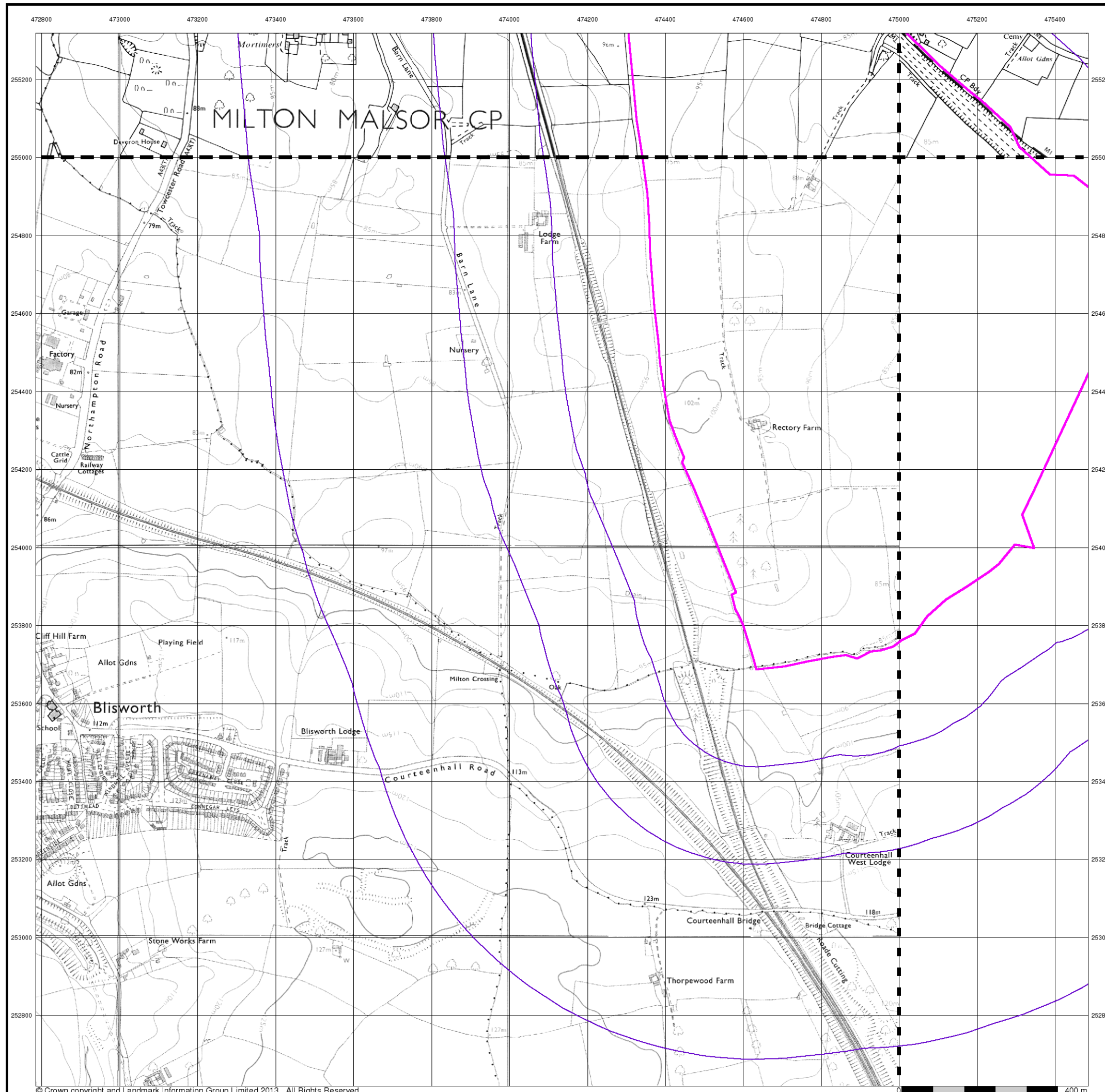


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1993

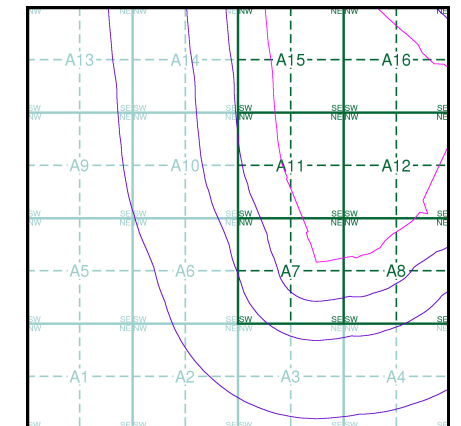
Source map scale - 1:10,000

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)

SP75NW	1993	1:10,000
SP75SW	1993	1:10,000

### Historical Map - Slice A

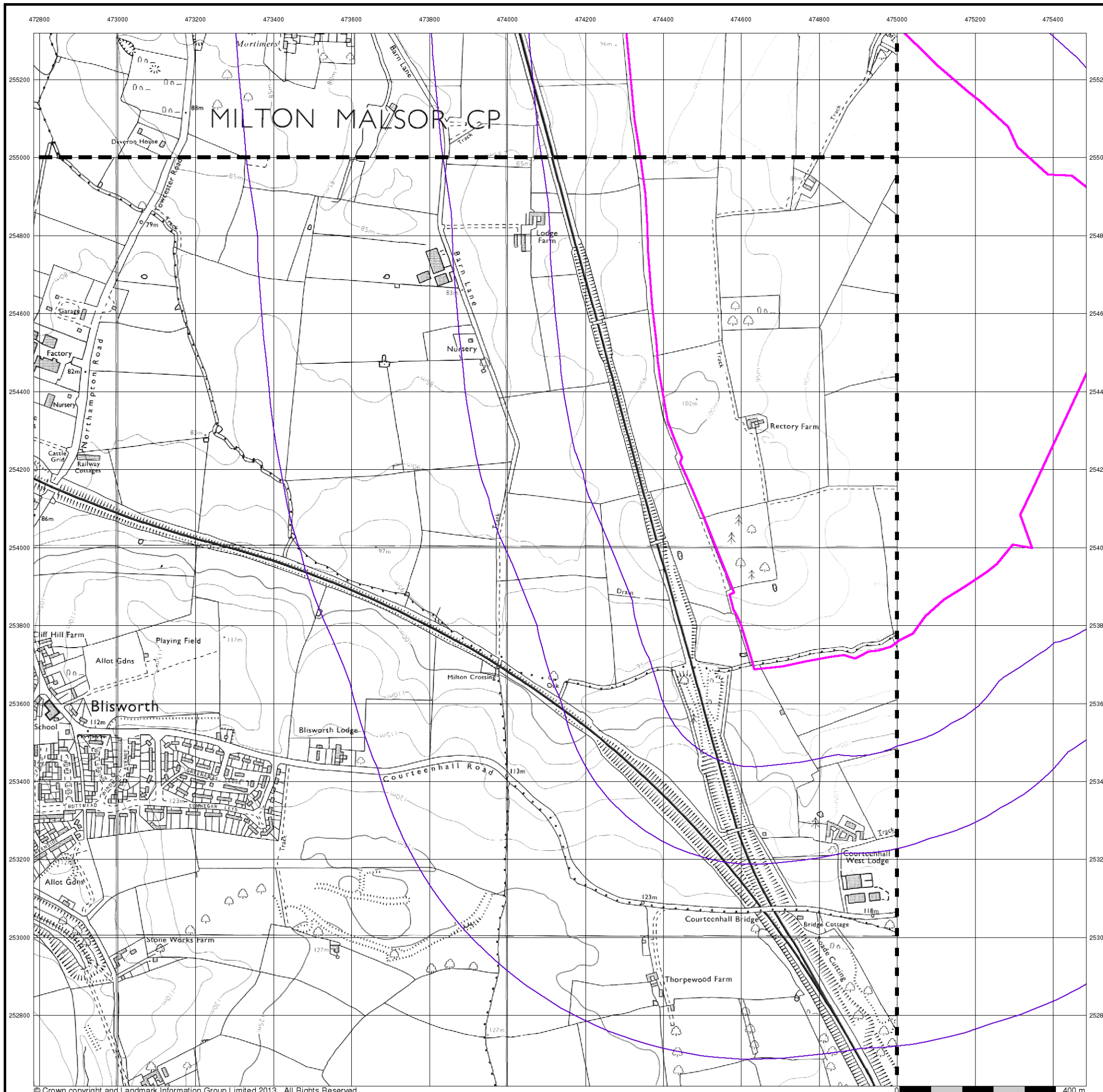


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



### 10k Raster Mapping

Published 2006

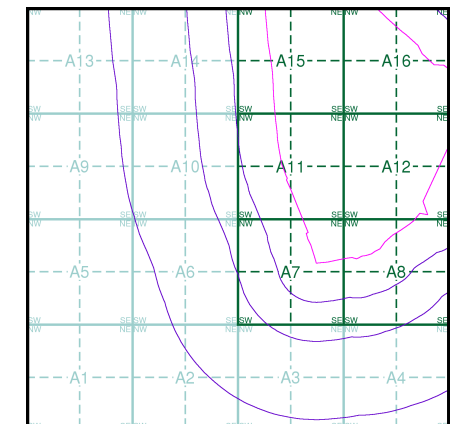
Source map scale - 1:10,000

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)

SP75NW 2006 1:10,000	SP75NE 2006 1:10,000
SP75SW 2006 1:10,000	SP75SE 2006 1:10,000

### Historical Map - Slice A

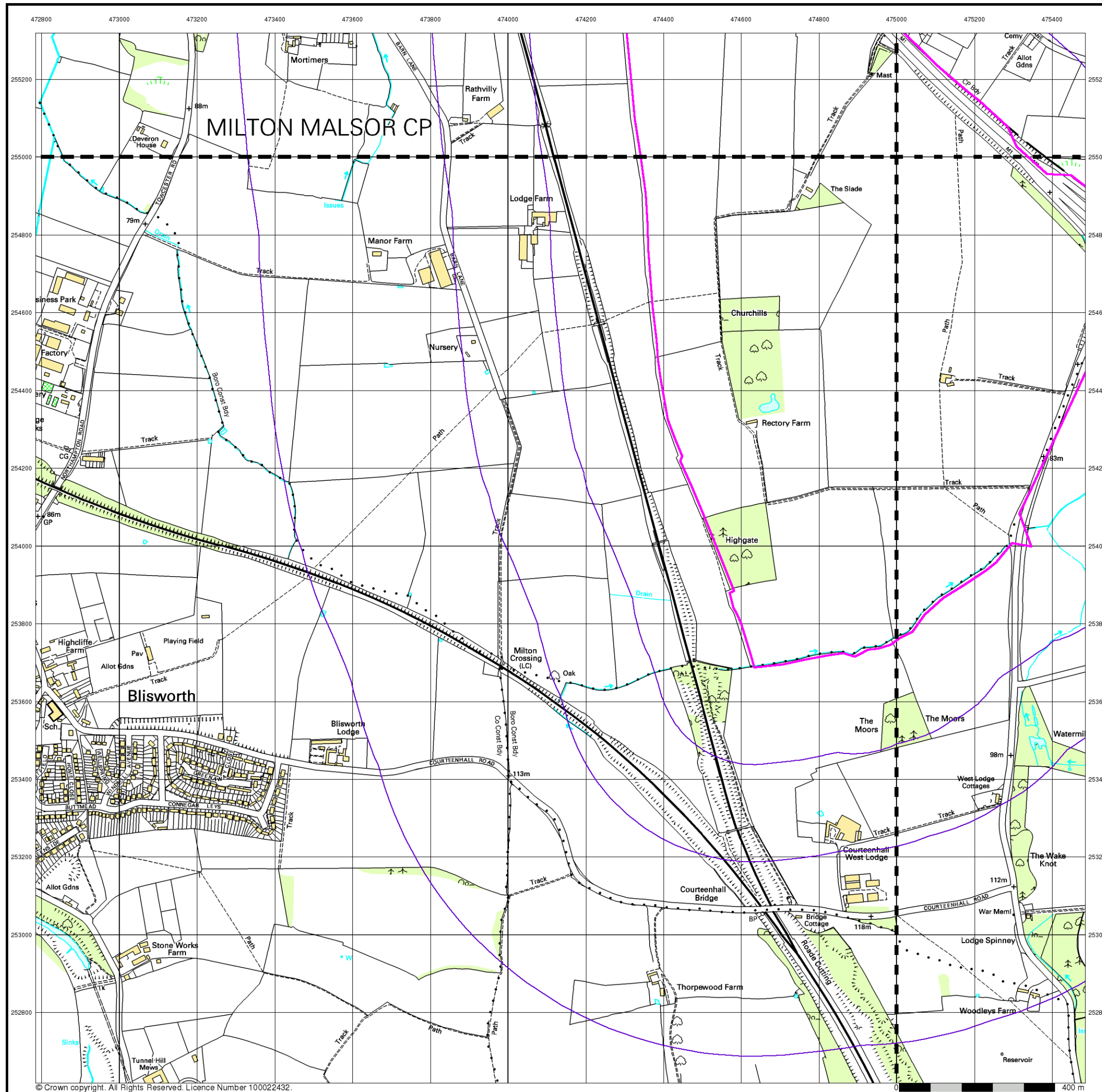


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## VectorMap Local

Published 2014

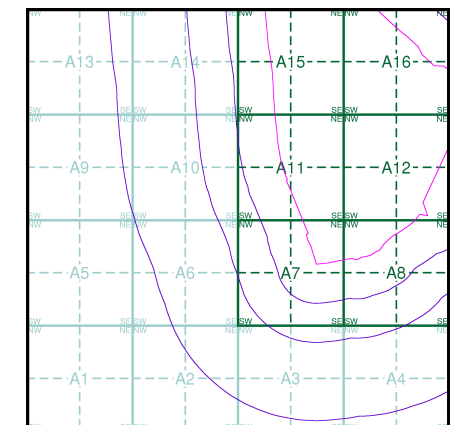
Source map scale - 1:10,000

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)

SP75NW 2014 Variable	SP75NE 2014 Variable
SP75SW 2014 Variable	SP75SE 2014 Variable

### Historical Map - Slice A

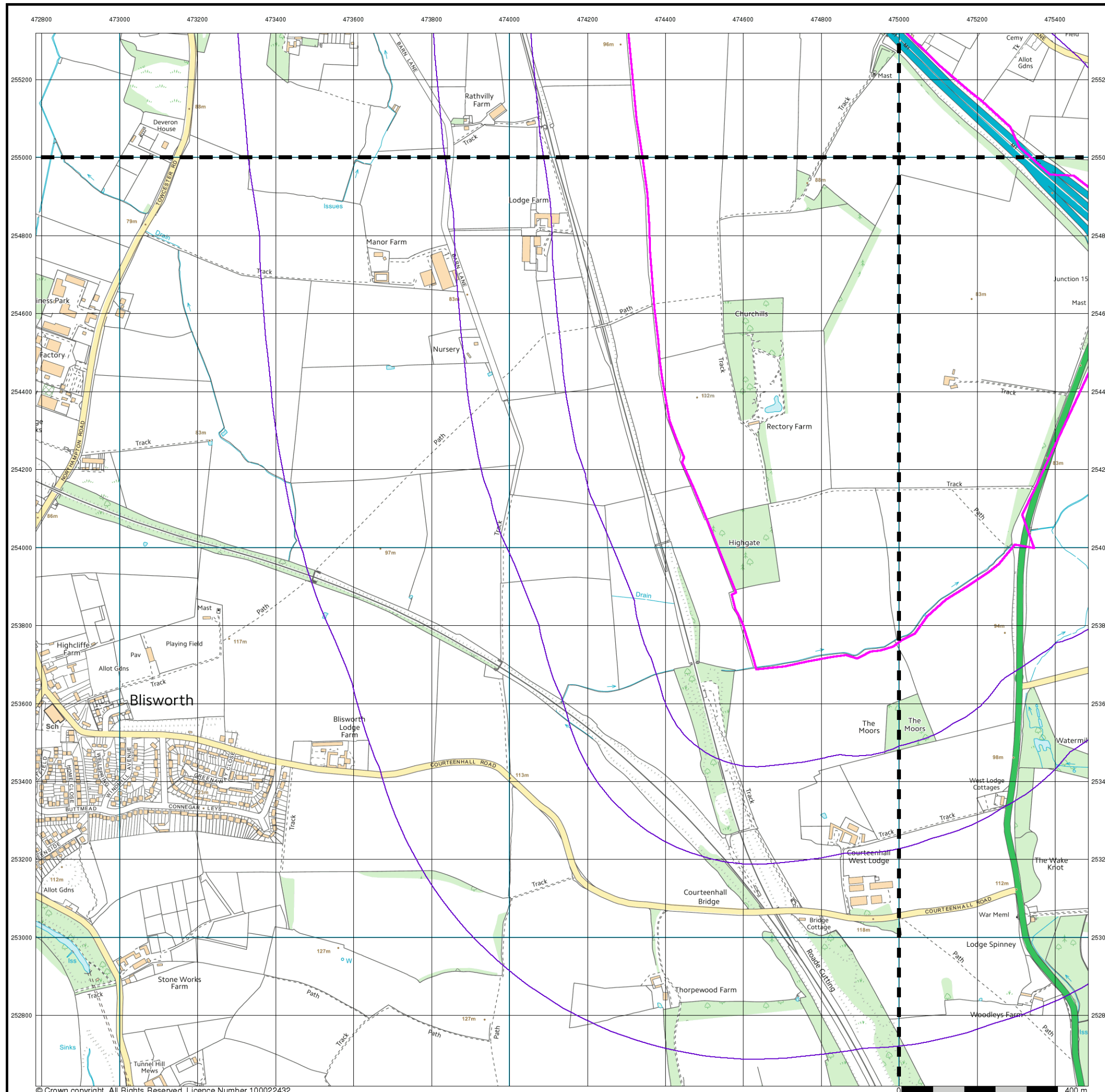


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

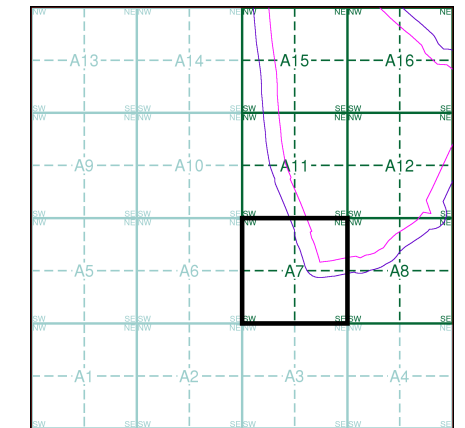
### Site Details

M1 Junction 15, NORTHAMPTON



- 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
- 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

**Site Sensitivity Map - Segment A7**



**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
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 Slice: A  
 Site Area (Ha): 172.72

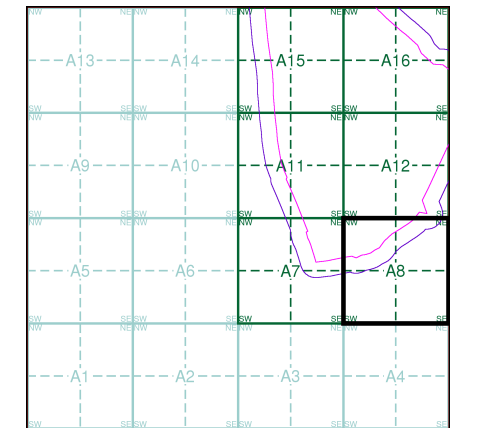
**Site Details**

M1 Junction 15, NORTHAMPTON



- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
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- Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
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  - Integrated Pollution Prevention Control
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- Waste**
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  - BGS Recorded Landfill Site
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  - Licensed Waste Management Facility (Location)
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  - Registered Waste Transfer Site
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  - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

**Site Sensitivity Map - Segment A8**



**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72

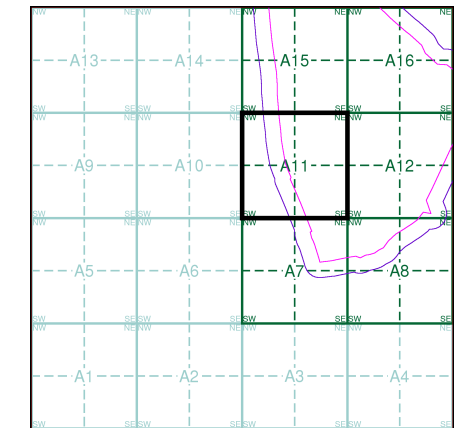
**Site Details**  
 M1 Junction 15, NORTHAMPTON





- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
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- Contaminated Land Register Entry or Notice (Location)
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  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

**Site Sensitivity Map - Segment A11**

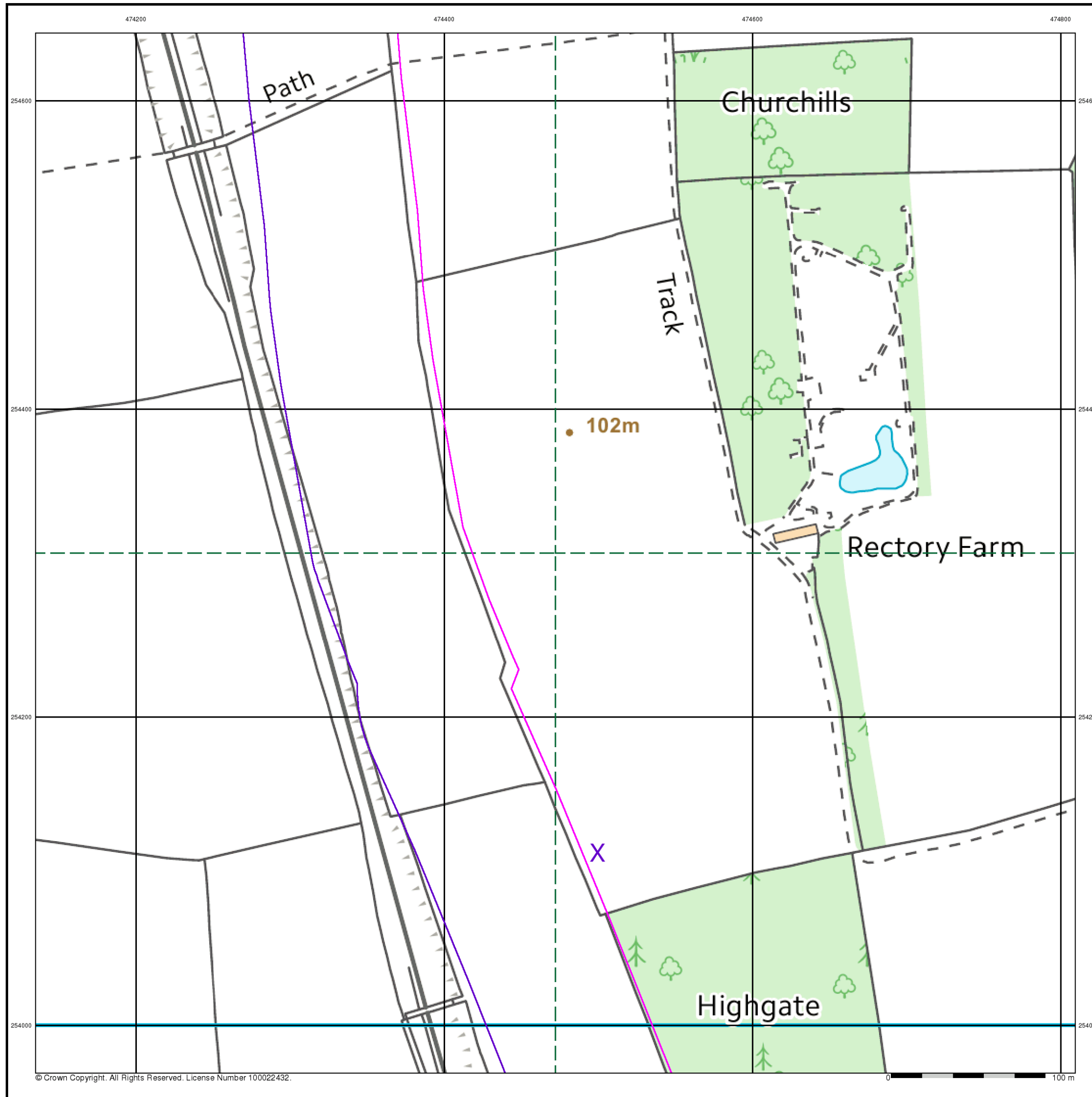


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72

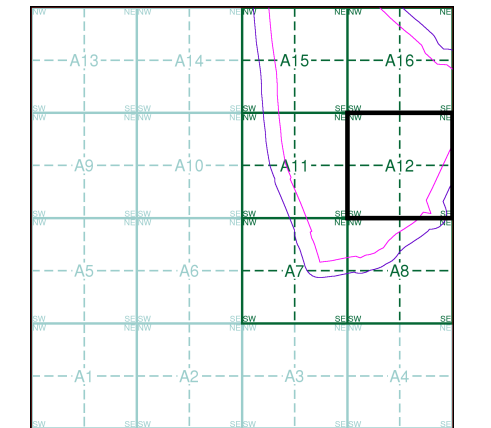
**Site Details**

M1 Junction 15, NORTHAMPTON



- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
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  - Several of Type at Location
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  - Registered Waste Treatment or Disposal Site (Location)
  - Registered Waste Treatment or Disposal Site
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  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

**Site Sensitivity Map - Segment A12**

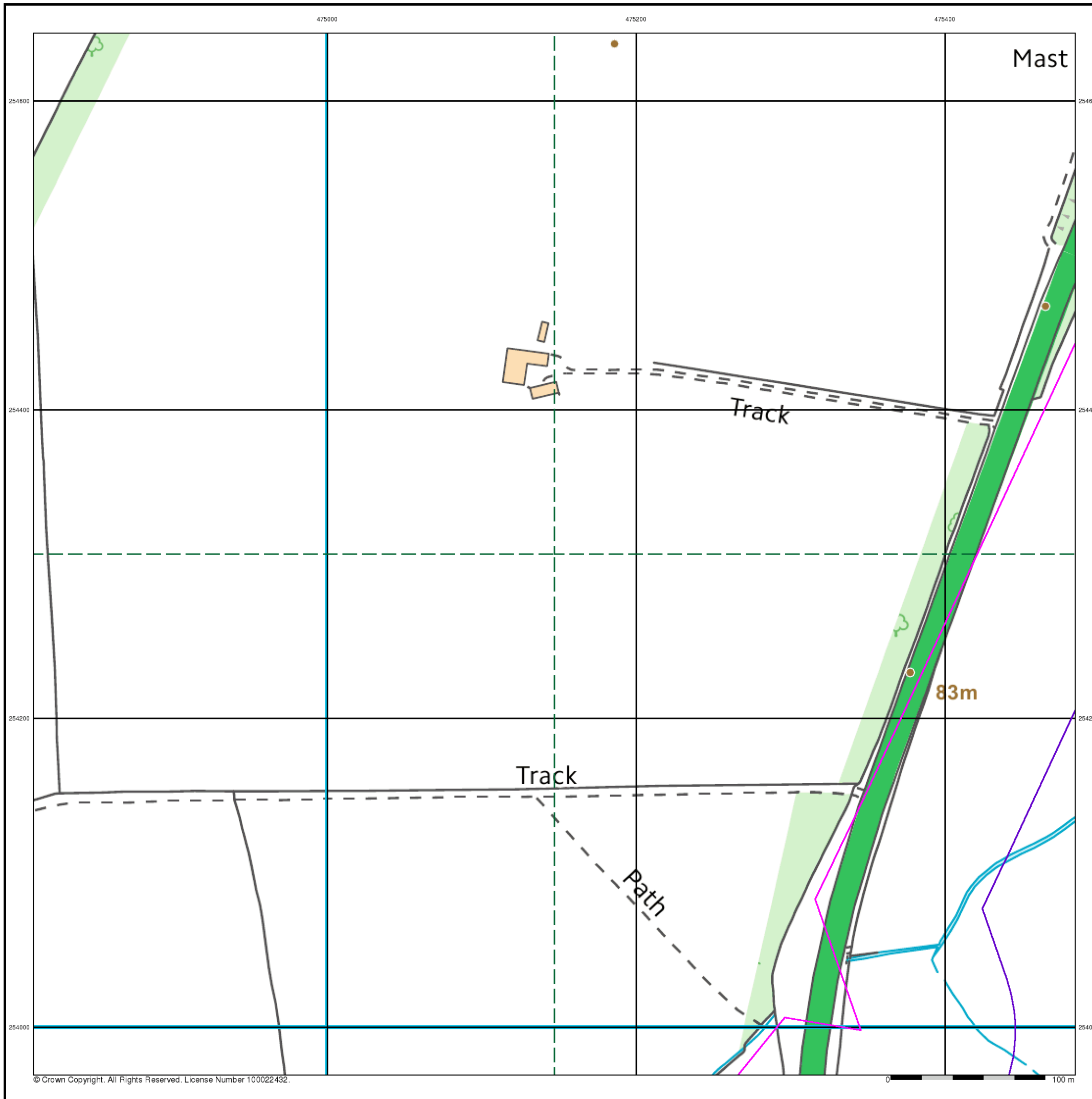


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72

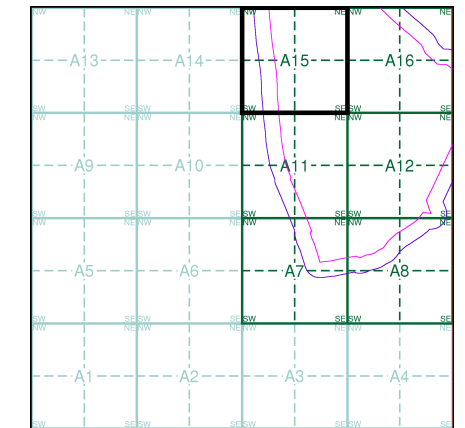
**Site Details**

M1 Junction 15, NORTHAMPTON



- General**
- Specified Site
  - Specified Buffer(s)
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- Contemporary Trade Directory Entry
  - Fuel Station Entry
- Hazardous Substances**
- COMAH Site
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  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement

### Site Sensitivity Map - Segment A15

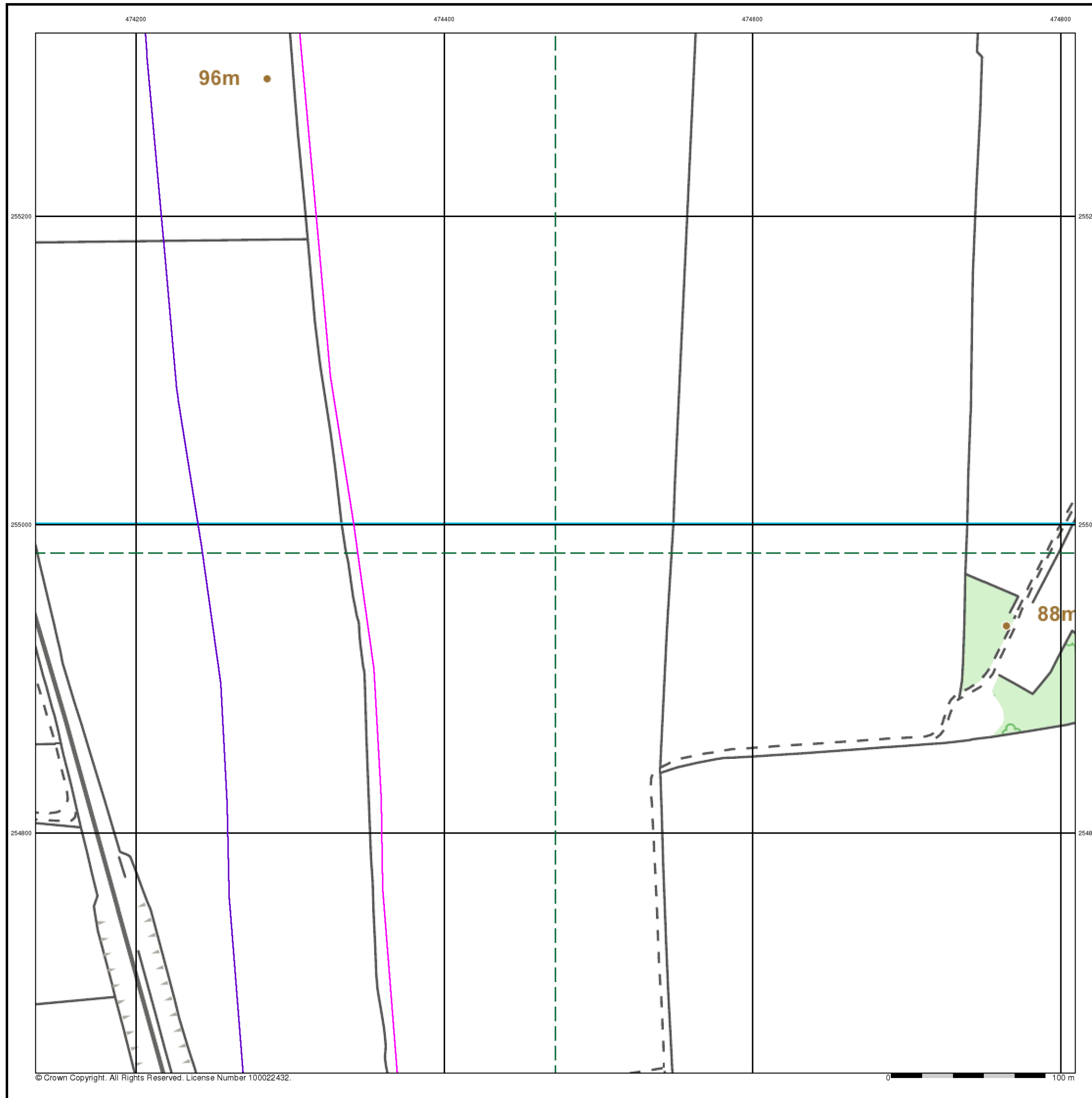


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
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 Site Area (Ha): 172.72

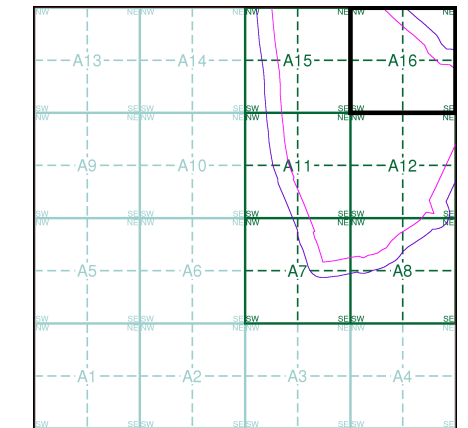
### Site Details

M1 Junction 15, NORTHAMPTON



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  - Planning Hazardous Substance Enforcement
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- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

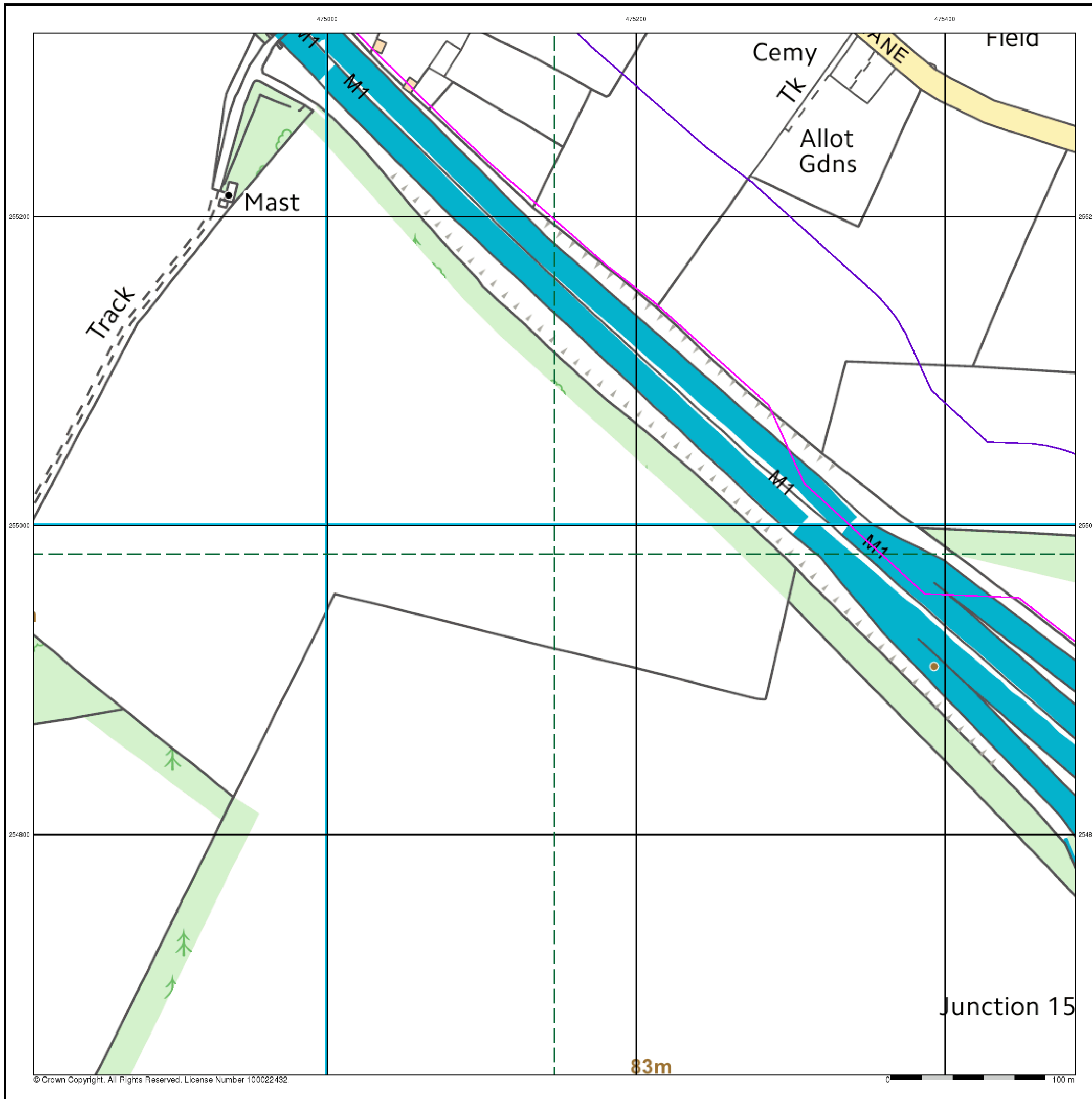
**Site Sensitivity Map - Segment A16**



**Order Details**

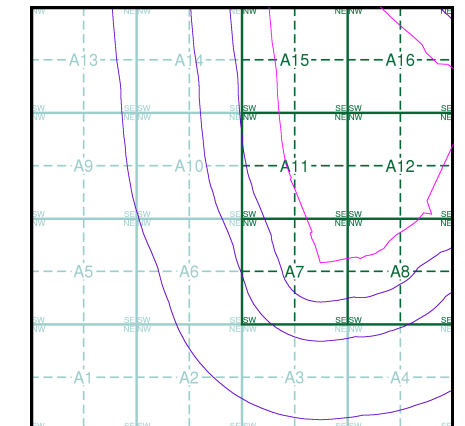
Order Number: 59121721\_1\_1  
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 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72

**Site Details**  
 M1 Junction 15, NORTHAMPTON



- General**
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  - Specified Buffer(s)
  - Bearing Reference Point
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  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

### Site Sensitivity Map - Slice A

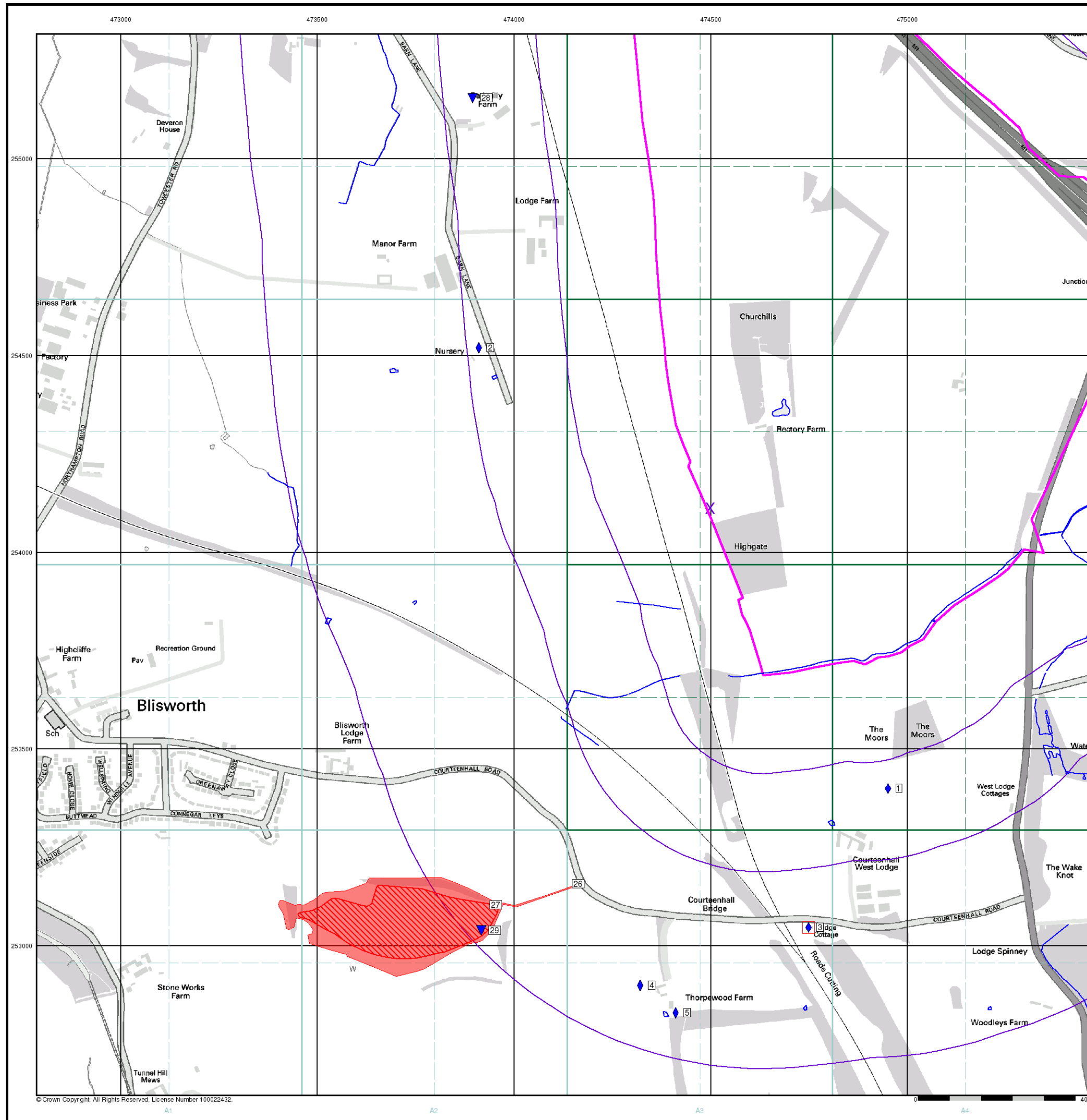


### Order Details

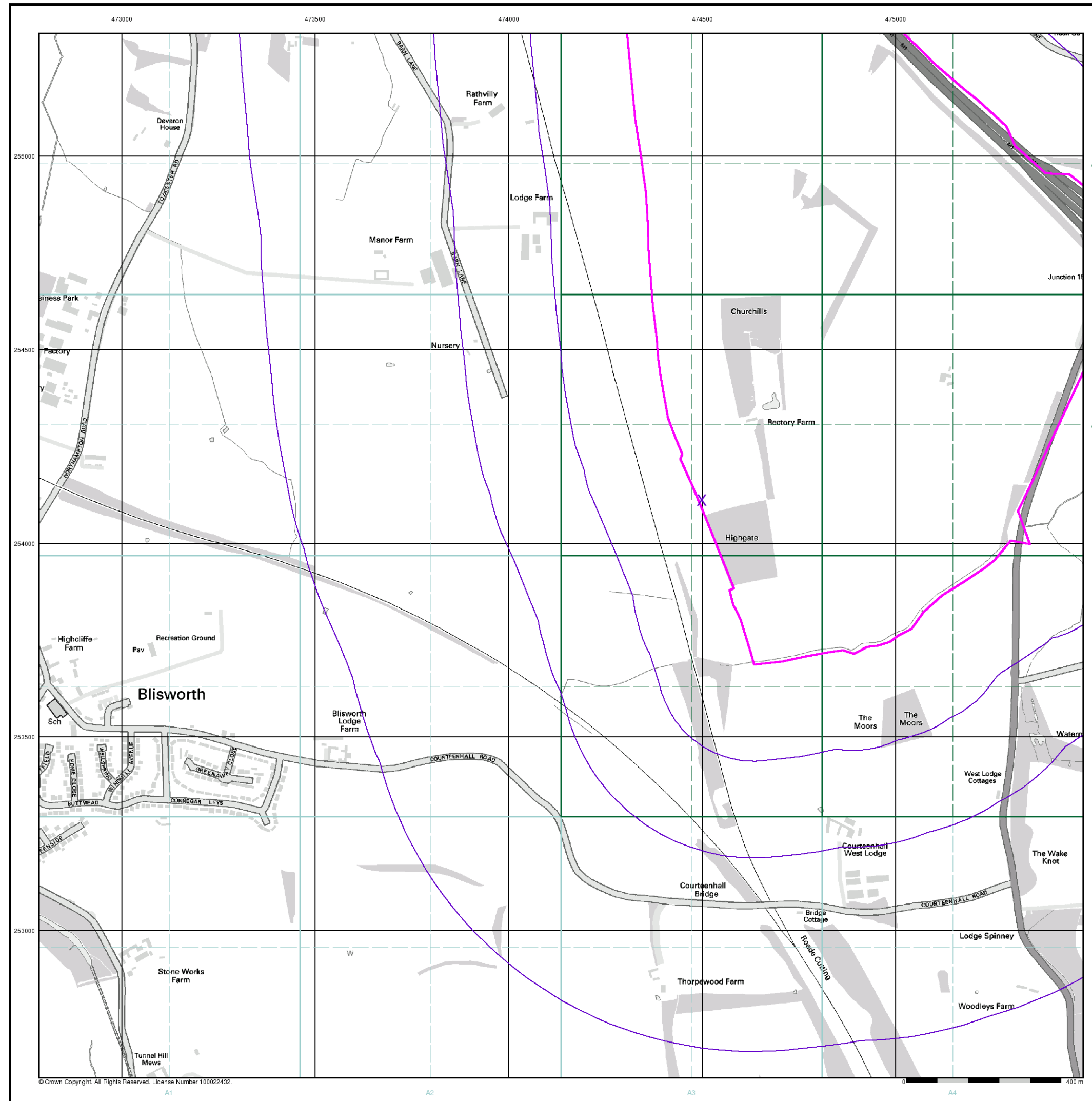
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 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON








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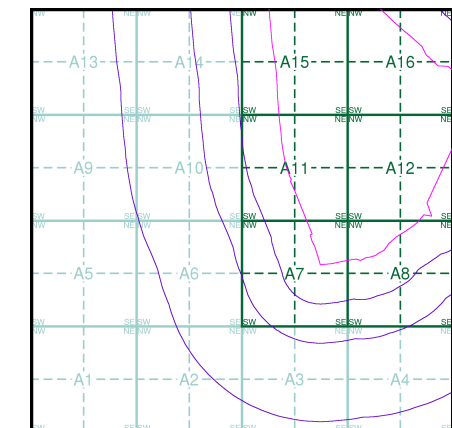
**General**

-  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**

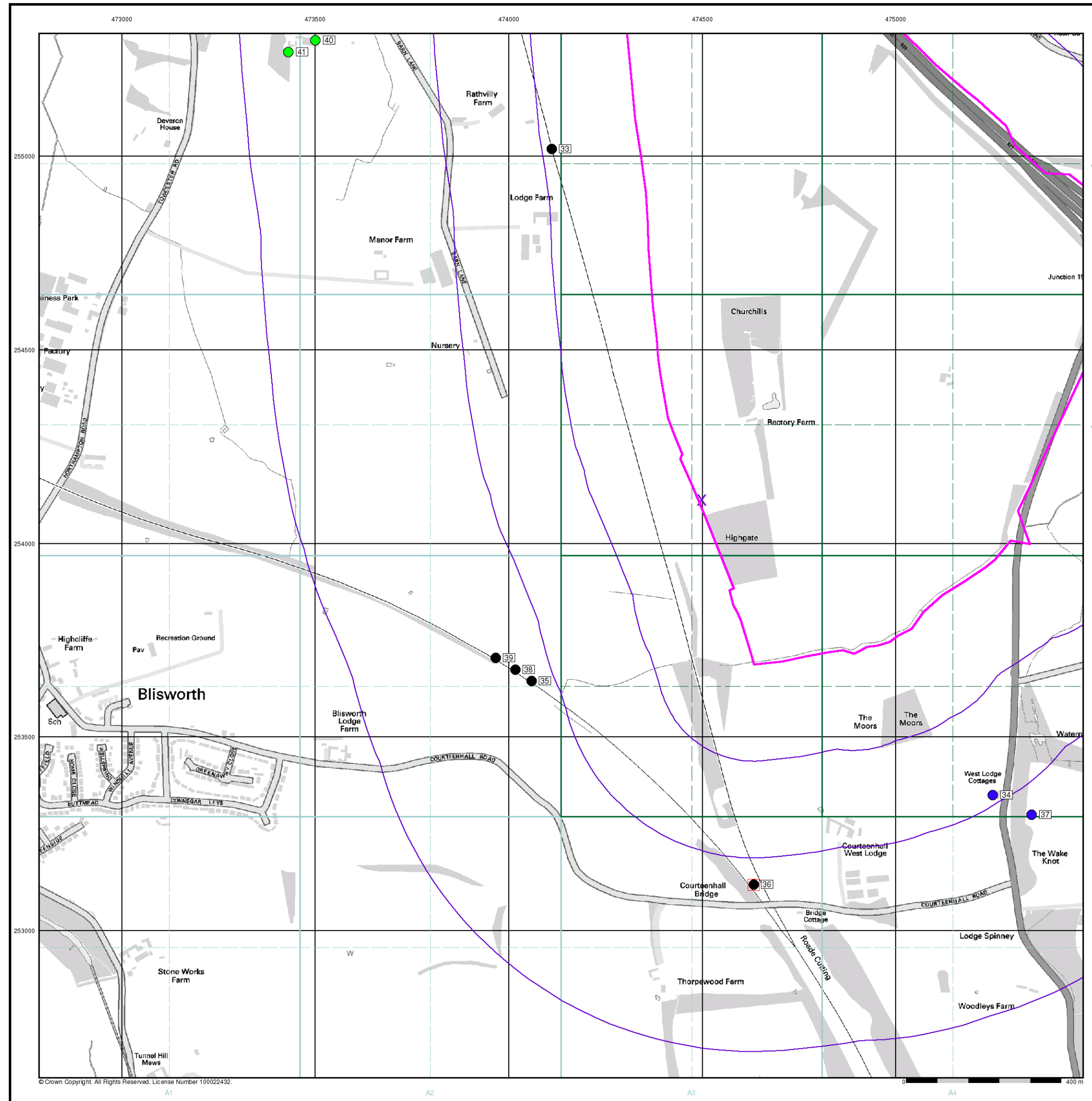


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
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 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



**General**

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

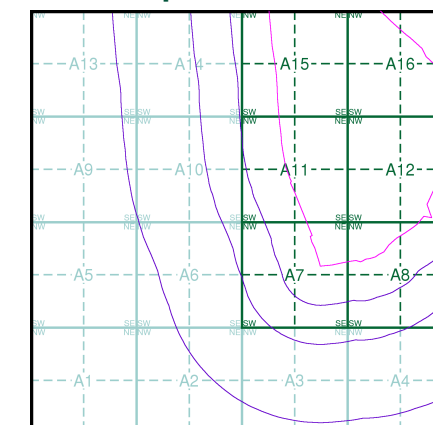
**Agency and Hydrological (Boreholes)**

- 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**

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**Site Details**

M1 Junction 15, NORTHAMPTON





### General

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

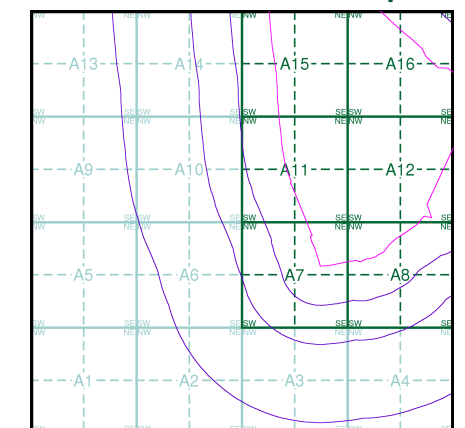
### EA Detailed River Network Data

- |  |   |
|--|---|
|  Primary River            |  Extended Culvert (greater than 50m) |
|  Secondary River          |  Underground River (inferred)        |
|  Tertiary River           |  Underground River (local knowledge) |
|  Canal                    |  Downstream of High Water Mark       |
|  Canal Tunnel             |  Downstream of Seaward Extension     |
|  Undefined River          |  Not assigned River feature          |
|  Lake/Reservoir           |   |
|  Offline Drainage Feature |   |

### Contours (height in metres)

- Standard Contour  105  167.3 Spot Height
- Index Contour  100  45.8 Air Height

### EA Detailed River Network Map - Slice A

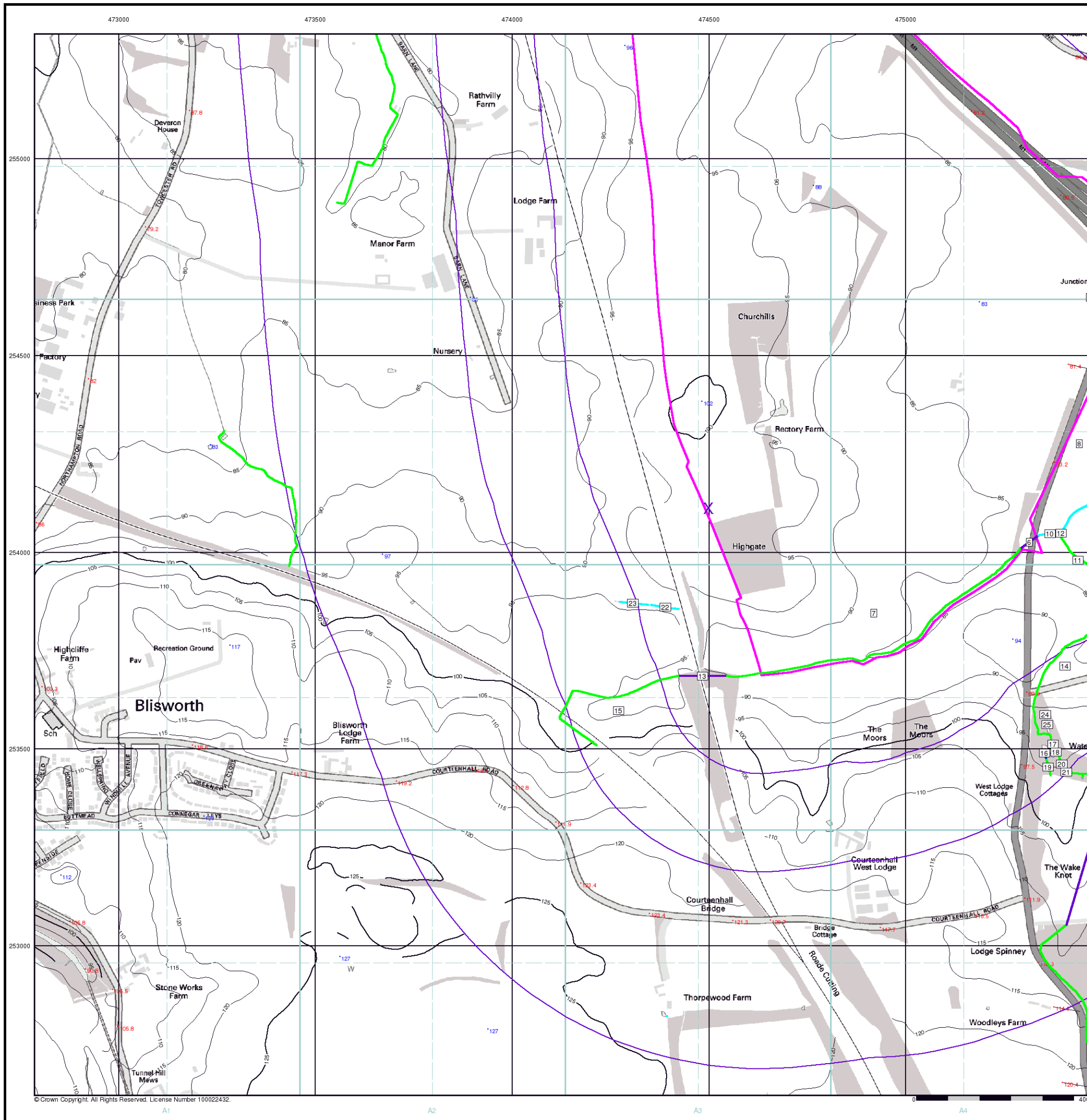


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M1 Junction 15, NORTHAMPTON



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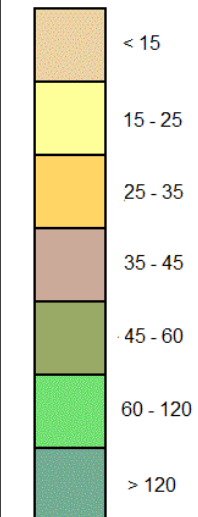


**General**

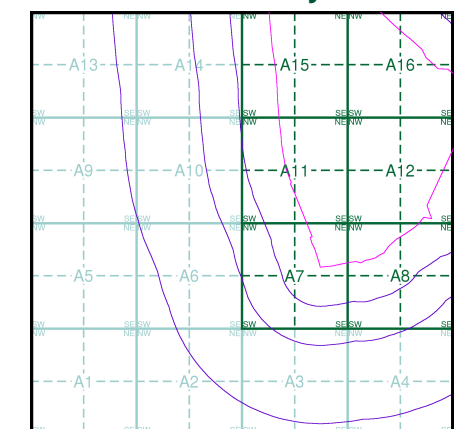
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 ○ Specified Buffer(s)    
 X Bearing Reference Point

**Estimated Soil Chemistry Arsenic**

Arsenic Concentrations mg/kg



**Estimated Soil Chemistry Arsenic - Slice A**

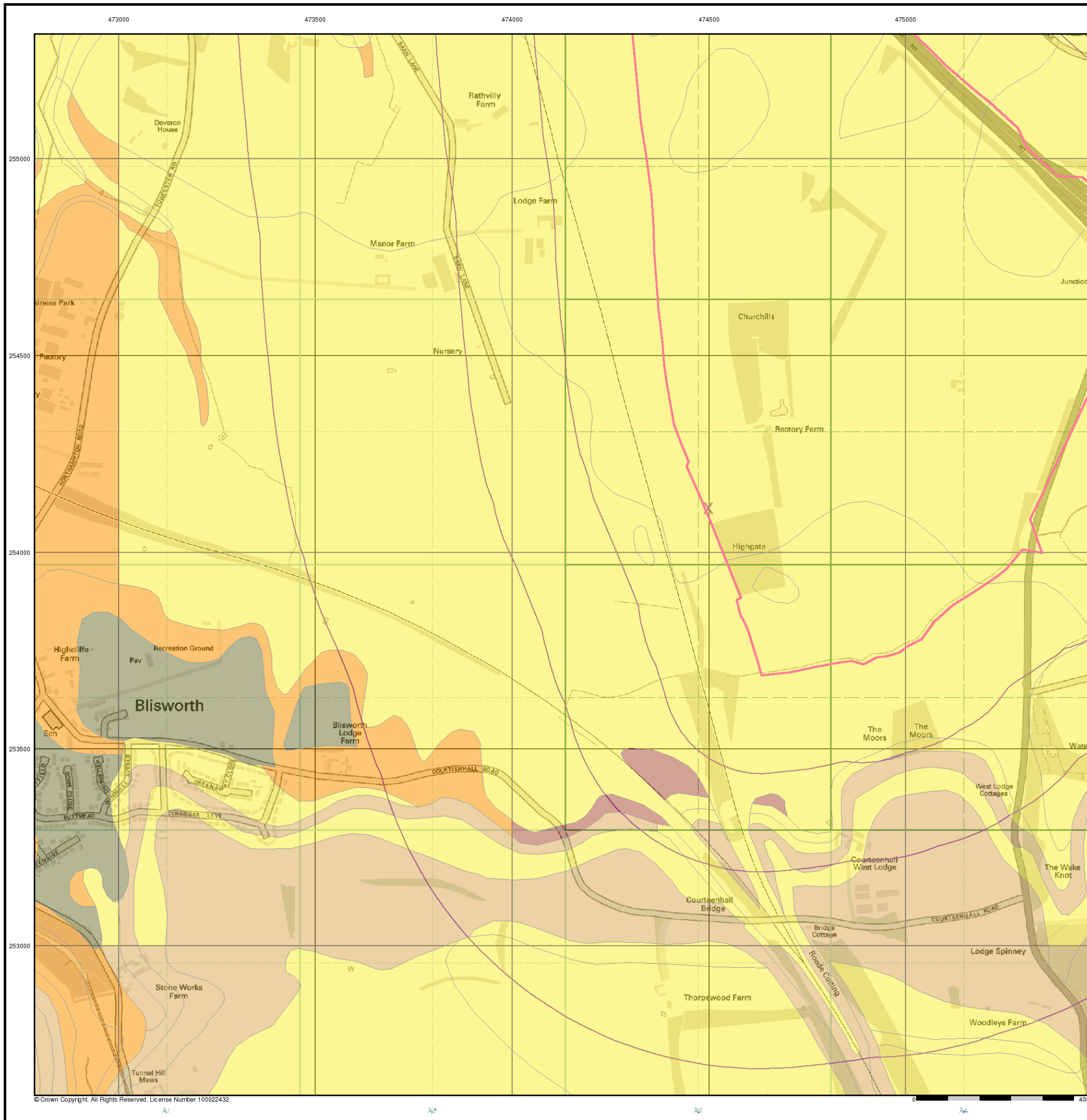


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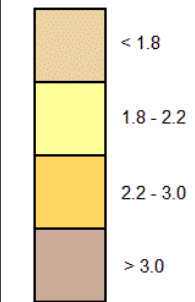
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**General**

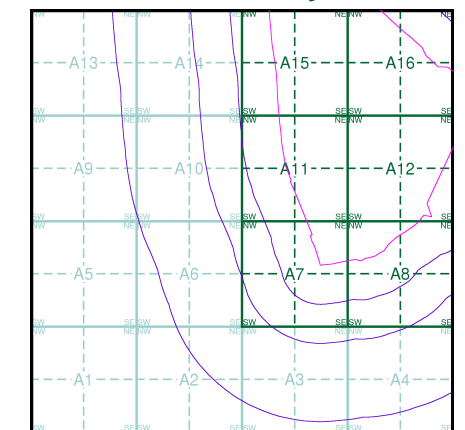
○ Specified Site    
 ○ Specified Buffer(s)    
 X Bearing Reference Point

**Estimated Soil Chemistry Cadmium**

Cadmium Concentrations mg/kg



**Estimated Soil Chemistry Cadmium - Slice A**

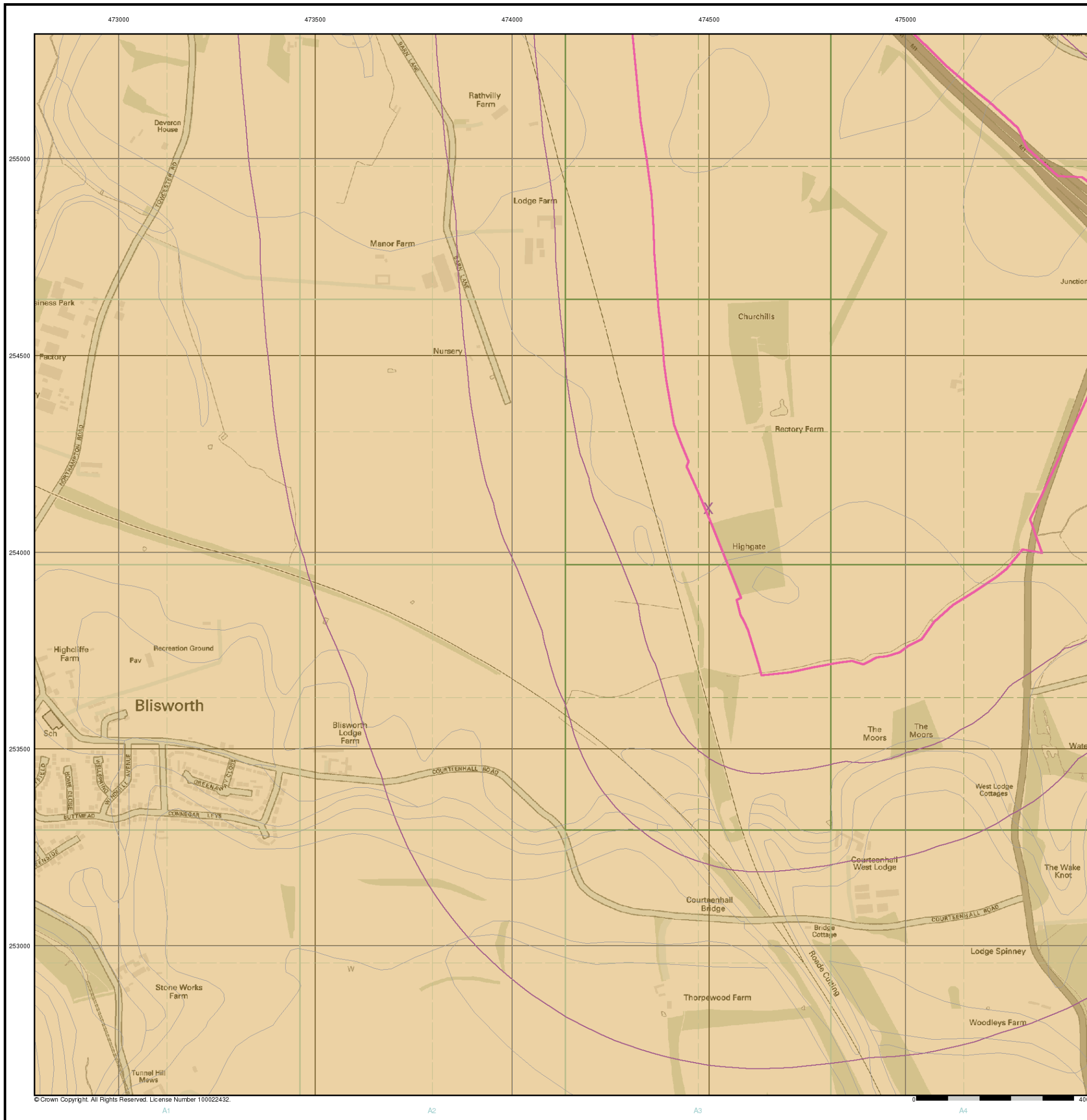


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



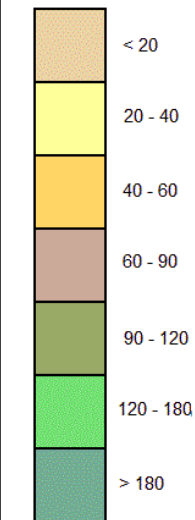
© Crown Copyright. All Rights Reserved. License Number 100022432.

**General**

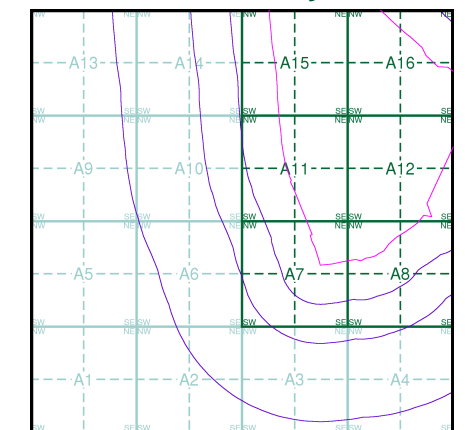
✱ Specified Site    
 ○ Specified Buffer(s)    
 ✕ Bearing Reference Point

**Estimated Soil Chemistry Chromium**

Chromium Concentrations mg/kg



**Estimated Soil Chemistry Chromium - Slice A**

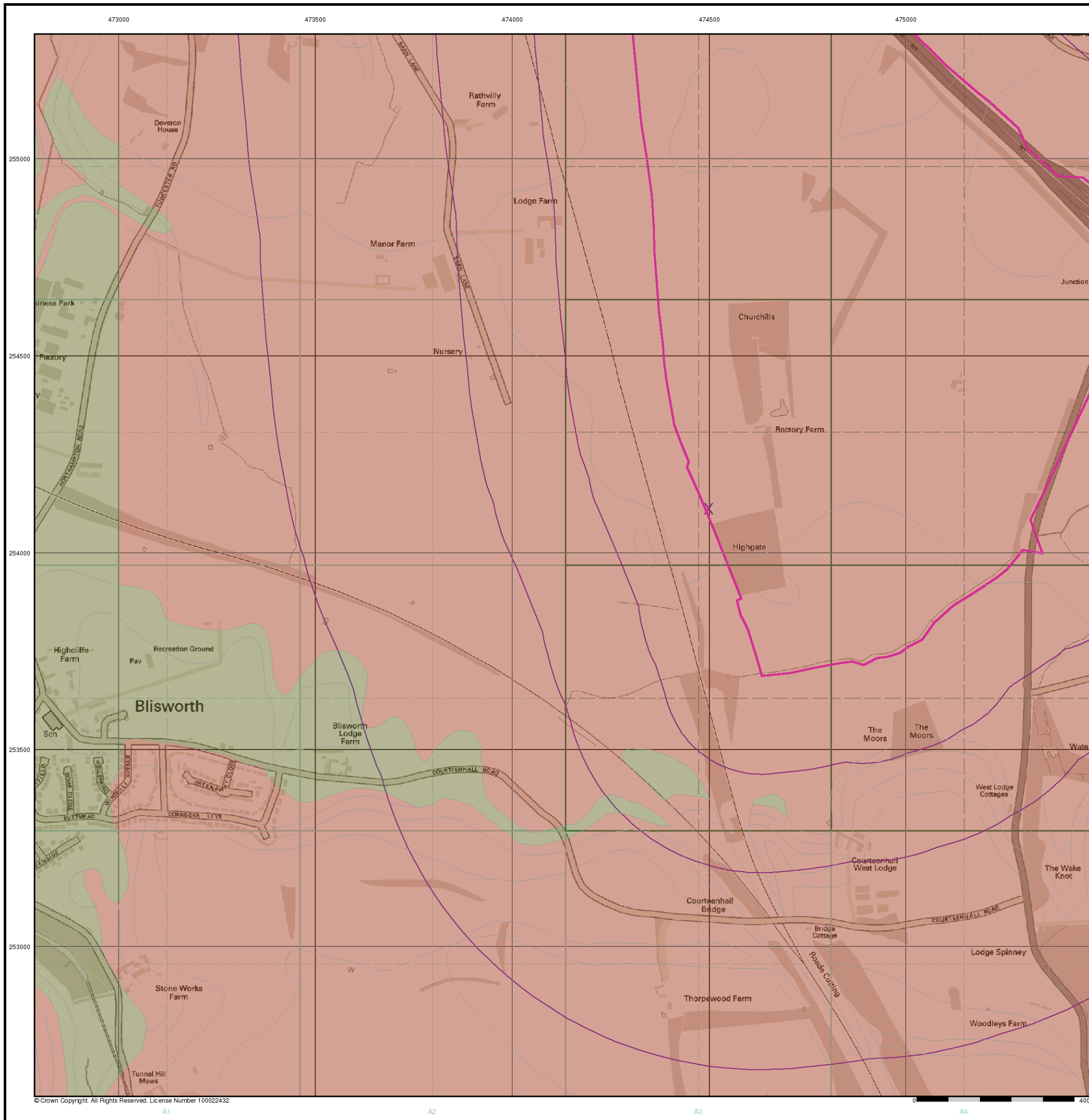


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



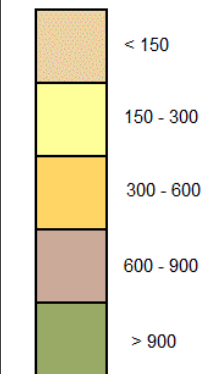
© Crown Copyright. All Rights Reserved. License Number 100022432.

**General**

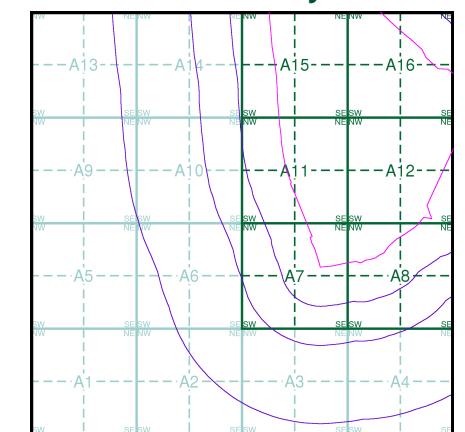
✱ Specified Site    
 ○ Specified Buffer(s)    
 ✕ Bearing Reference Point

**Estimated Soil Chemistry Lead**

Lead Concentrations mg/kg



**Estimated Soil Chemistry Lead - Slice A**

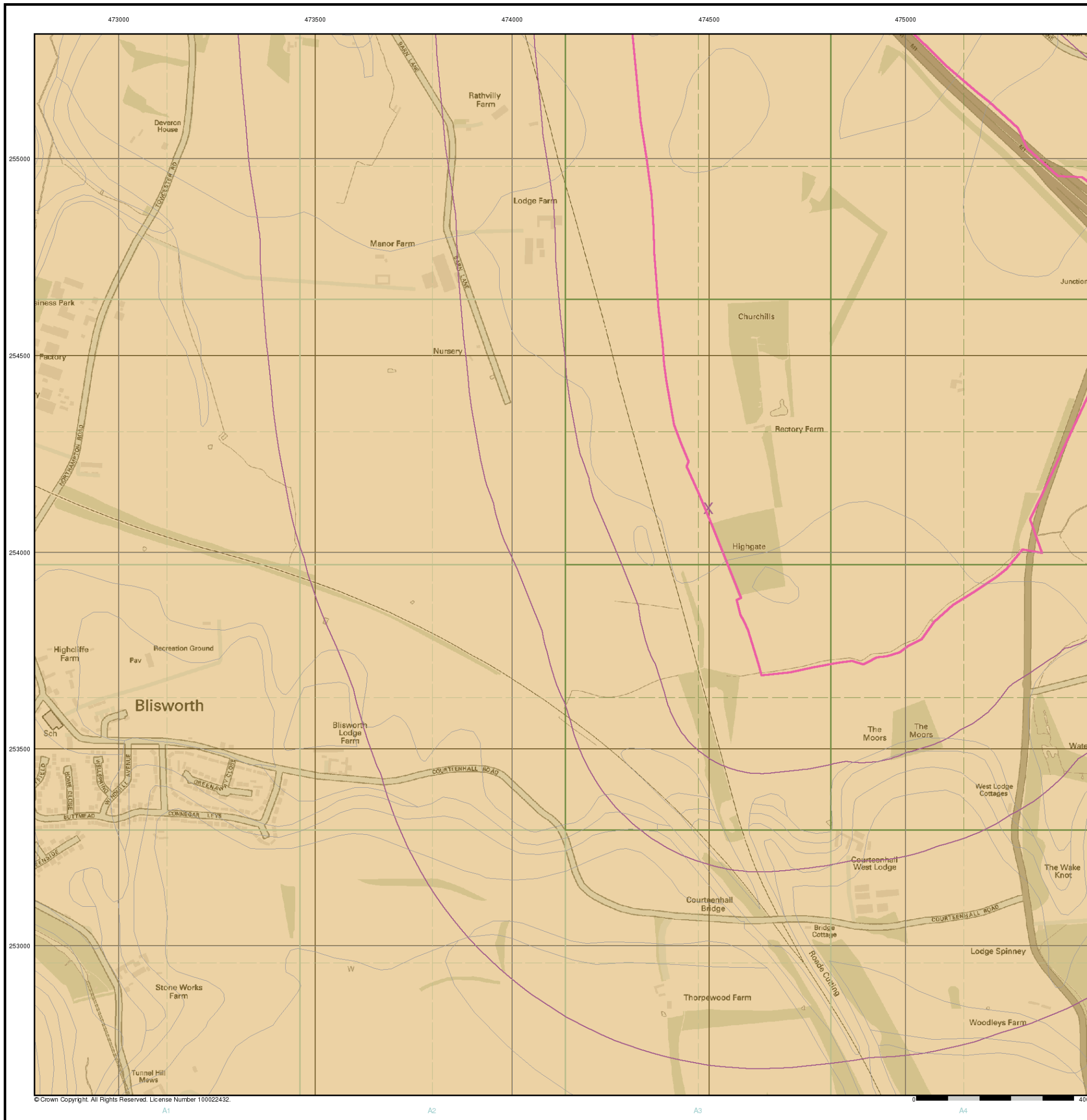


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



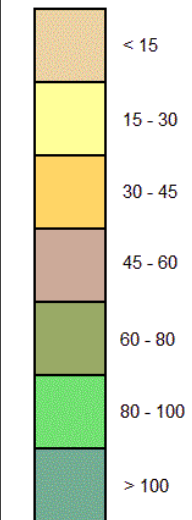
© Crown Copyright. All Rights Reserved. License Number 100022432.

**General**

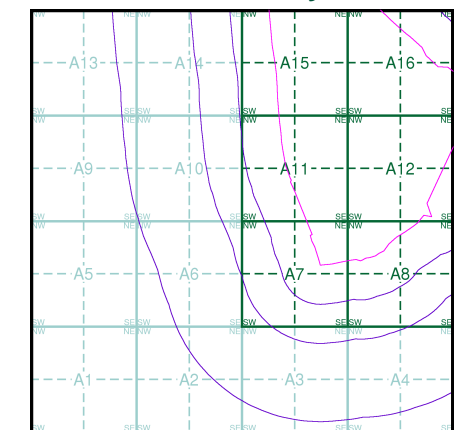
✱ Specified Site    
 ✱ Specified Buffer(s)    
 ✱ Bearing Reference Point

**Estimated Soil Chemistry Nickel**

Nickel Concentrations mg/kg



**Estimated Soil Chemistry Nickel - Slice A**

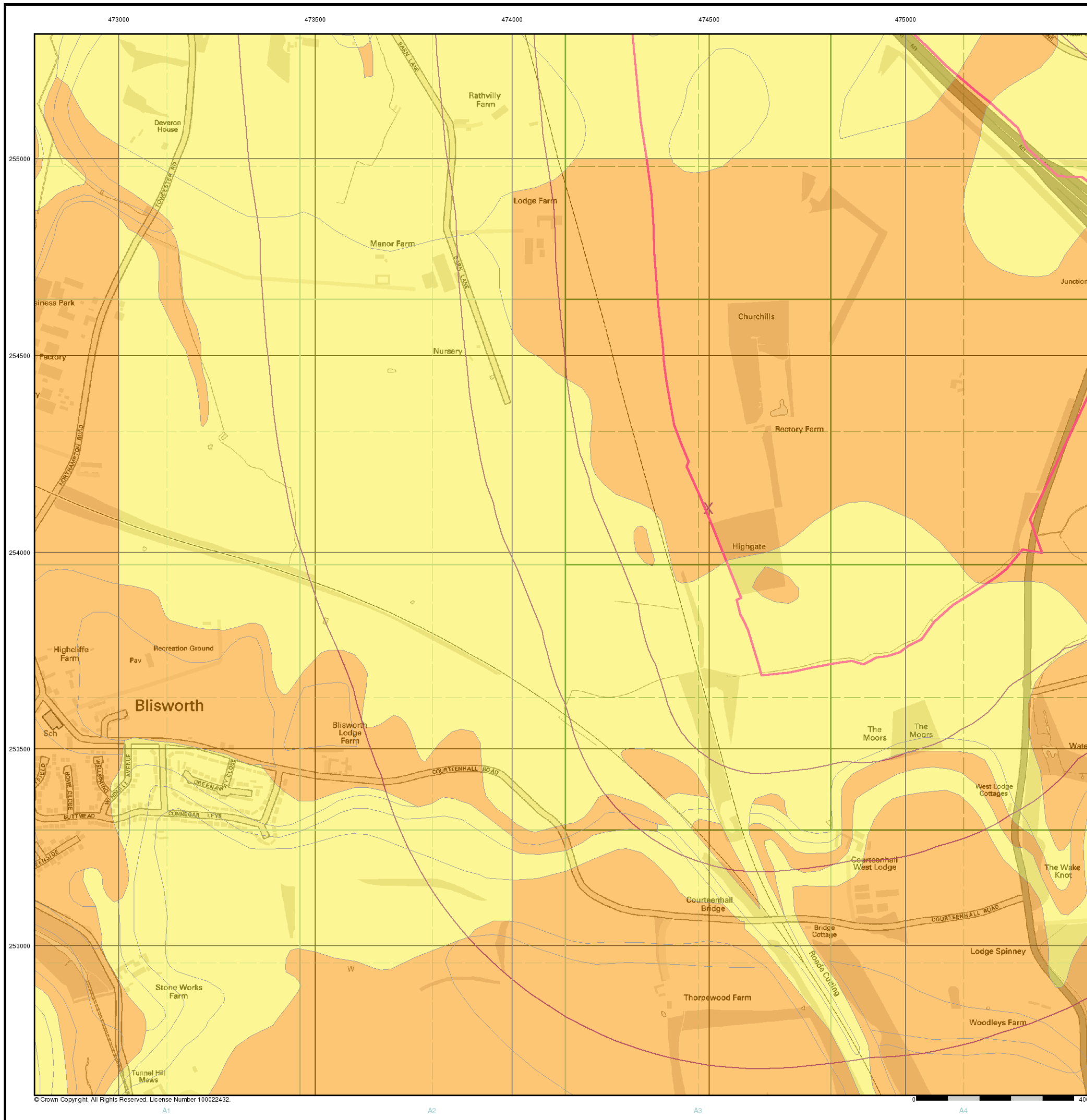


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



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# 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

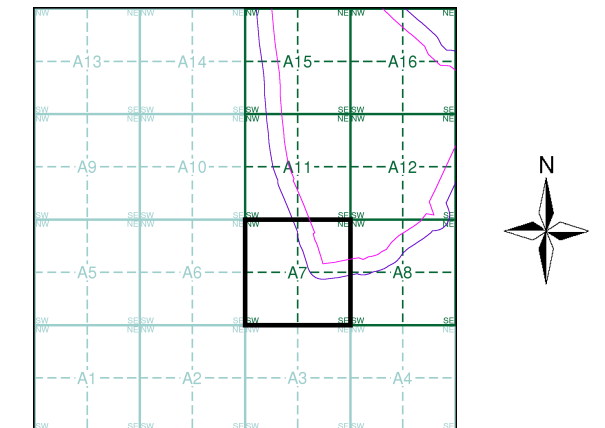
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard 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**  
**BM 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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1967	4
Additional SIMs	1:2,500	1986	5
Additional SIMs	1:2,500	1987	6
Large-Scale National Grid Data	1:2,500	1993	7

## Historical Map - Segment A7



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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

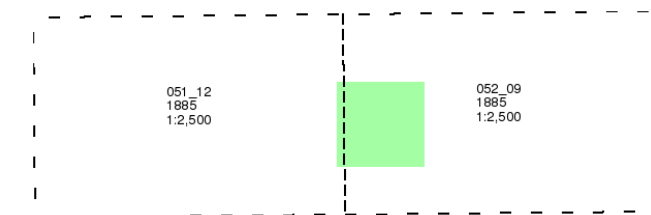
## Northamptonshire

Published 1885

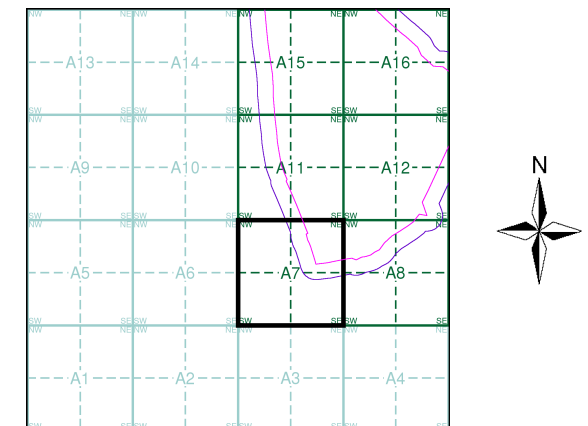
Source map scale - 1:2,500

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

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



### Historical Map - Segment A7

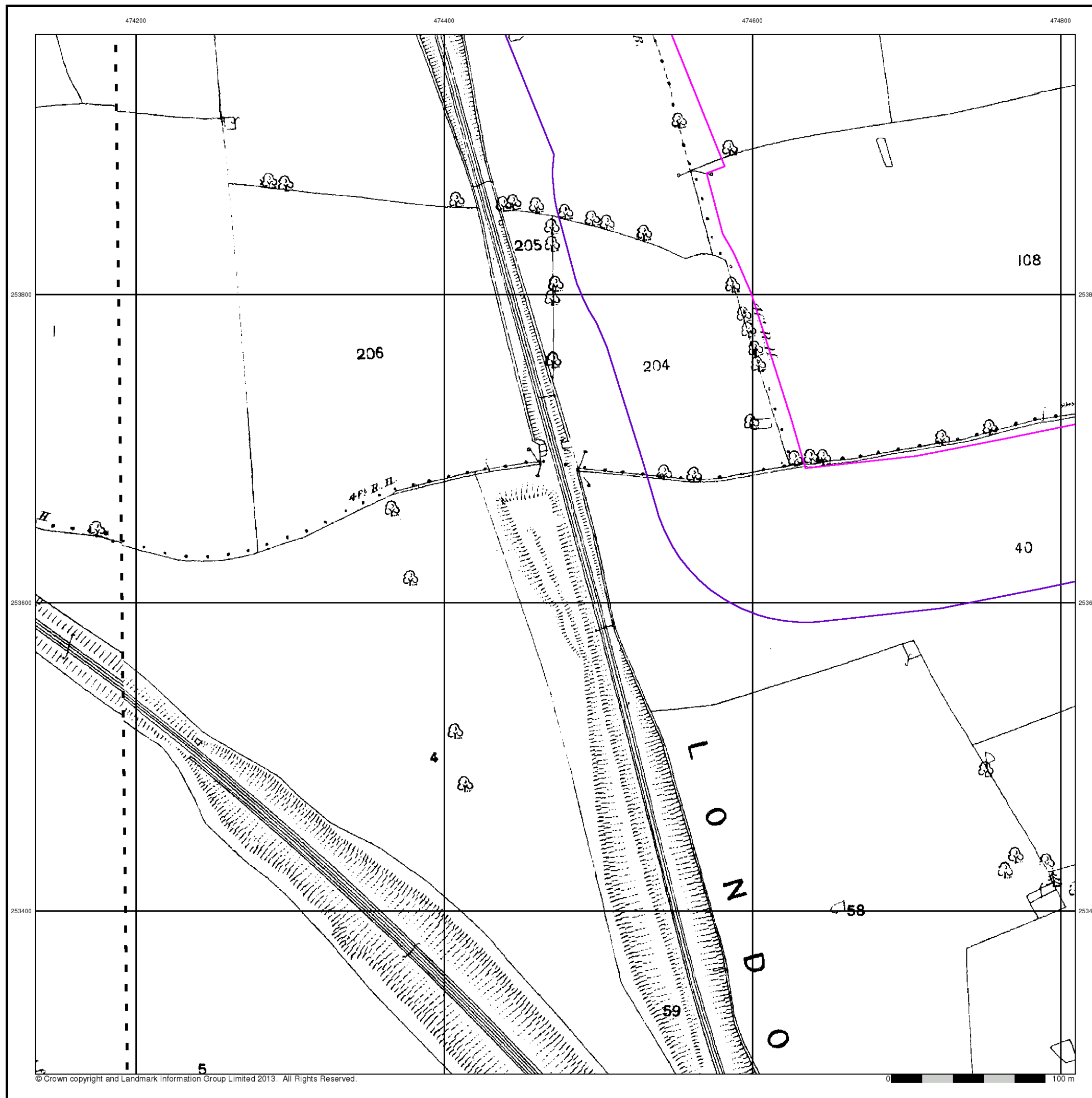


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### Site Details

M1 Junction 15, NORTHAMPTON



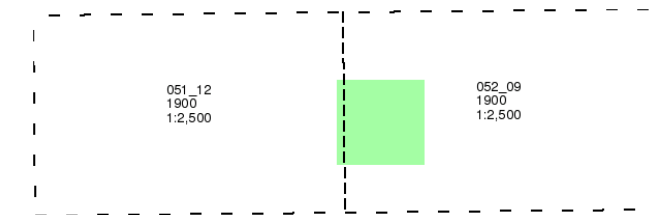
## Northamptonshire

Published 1900

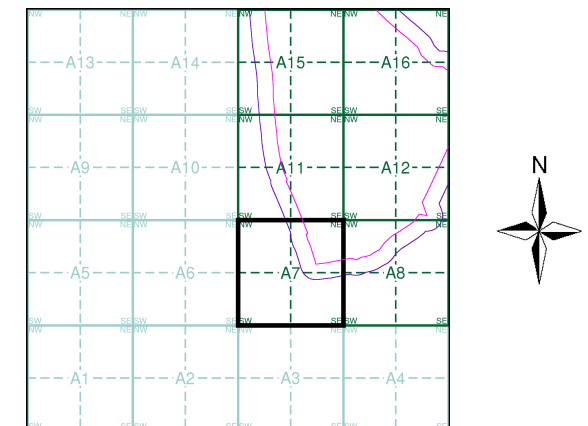
Source map scale - 1:2,500

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.

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### Historical Map - Segment A7

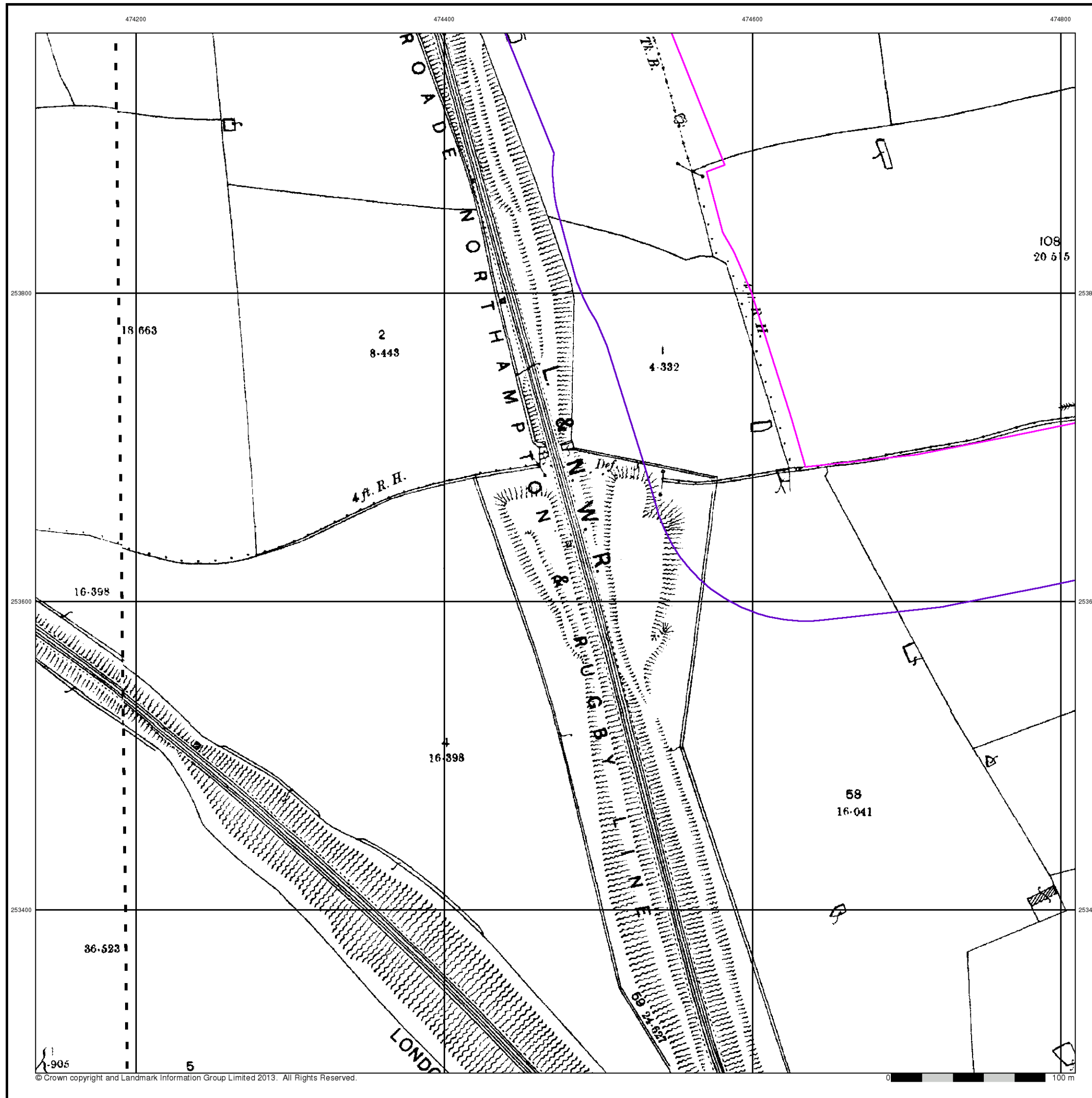


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 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON





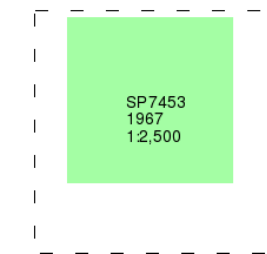
### Ordnance Survey Plan

Published 1967

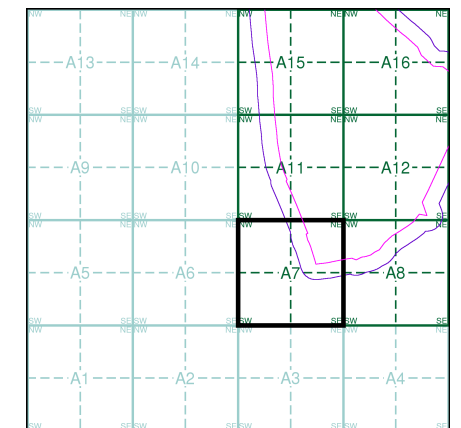
Source map scale - 1:2,500

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.

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### Historical Map - Segment A7



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Order Number: 59121721\_1\_1  
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### Site Details

M1 Junction 15, NORTHAMPTON



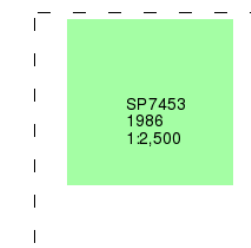
### Additional SIMs

Published 1986

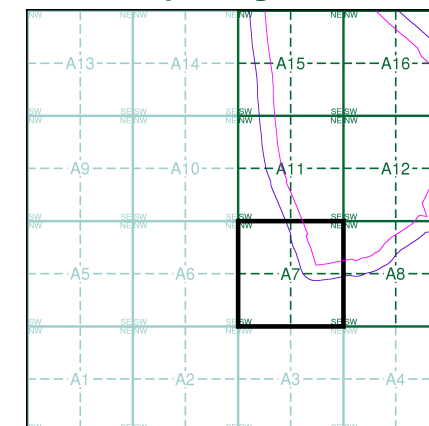
Source map scale - 1:2,500

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

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



### Historical Map - Segment A7

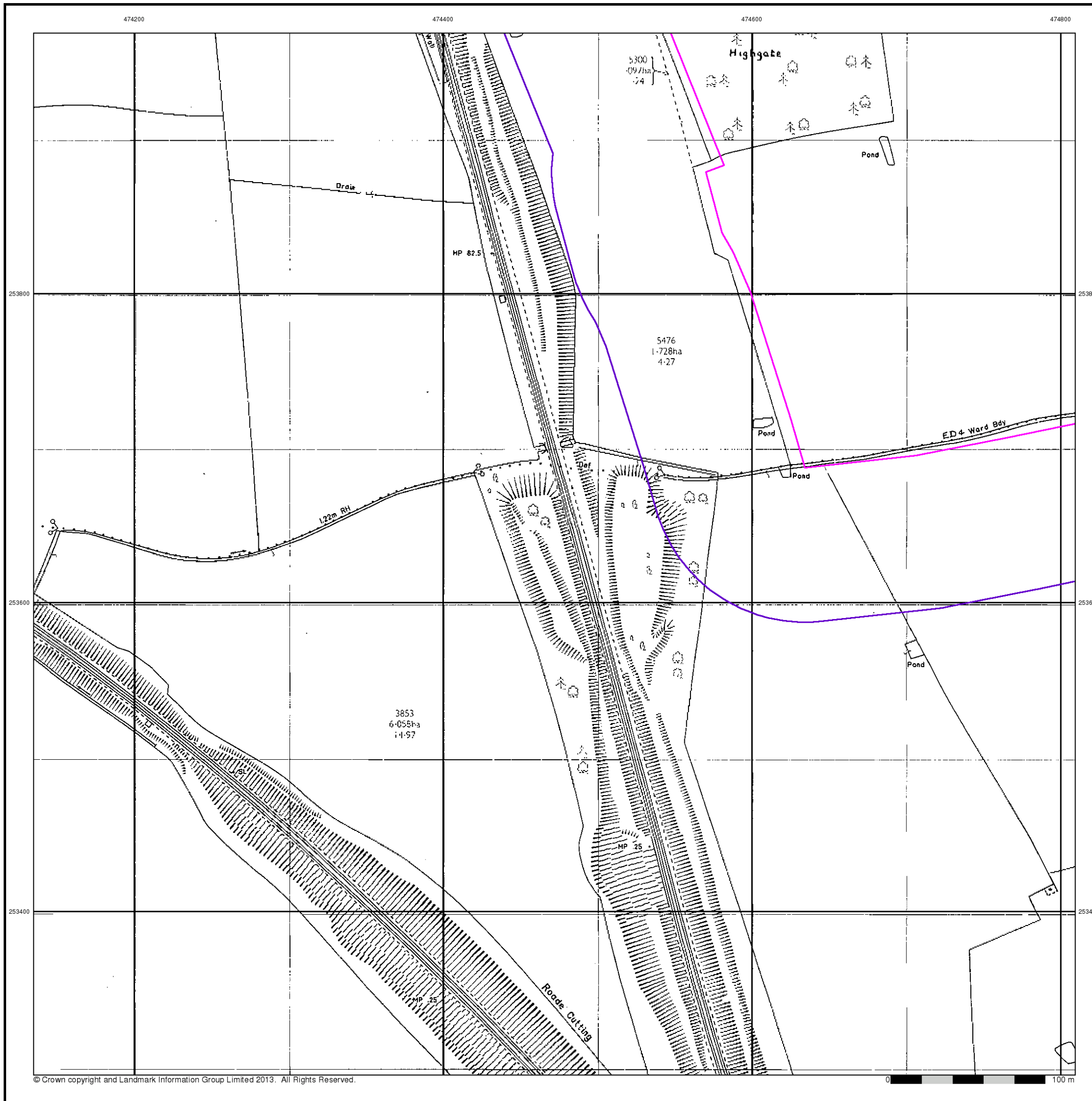


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### Site Details

M1 Junction 15, NORTHAMPTON



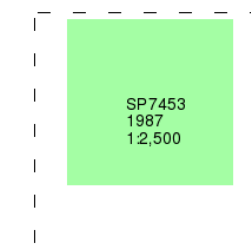
### Additional SIMs

Published 1987

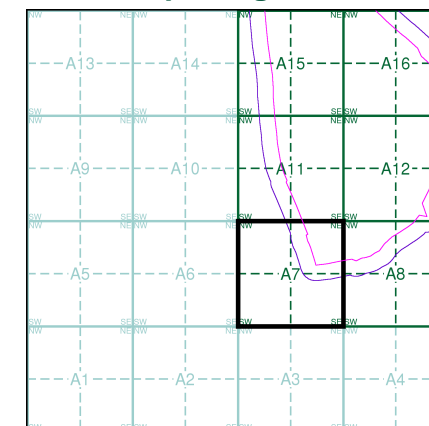
Source map scale - 1:2,500

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

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



### Historical Map - Segment A7

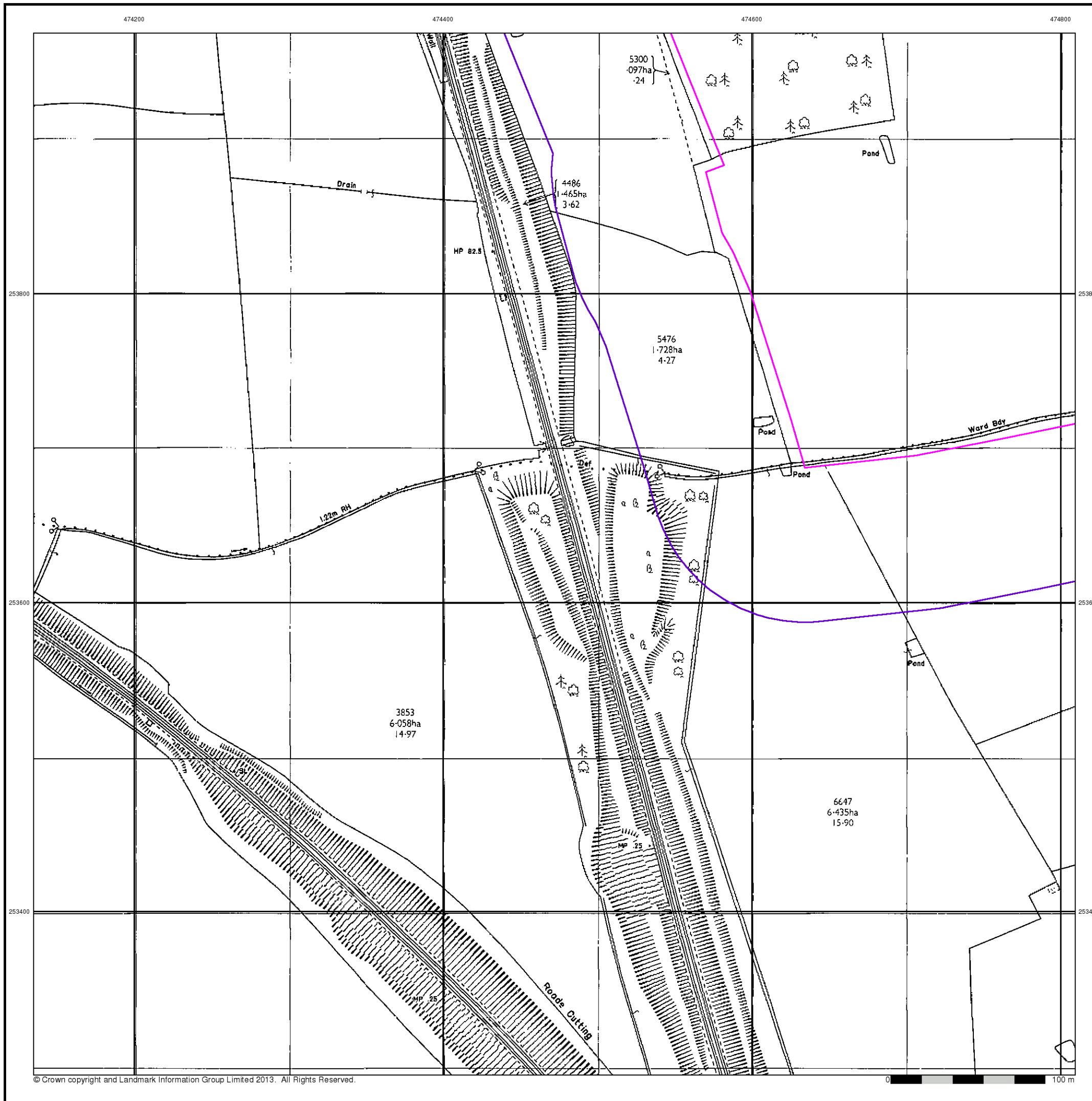


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M1 Junction 15, NORTHAMPTON



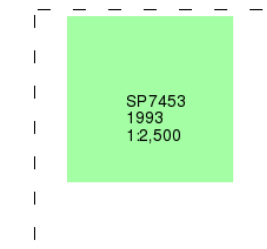
## Large-Scale National Grid Data

Published 1993

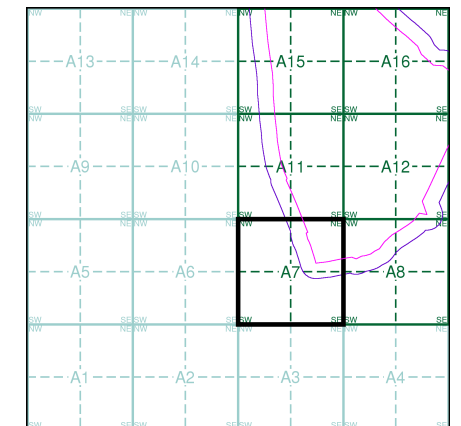
Source map scale - 1:2,500

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

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



### Historical Map - Segment A7

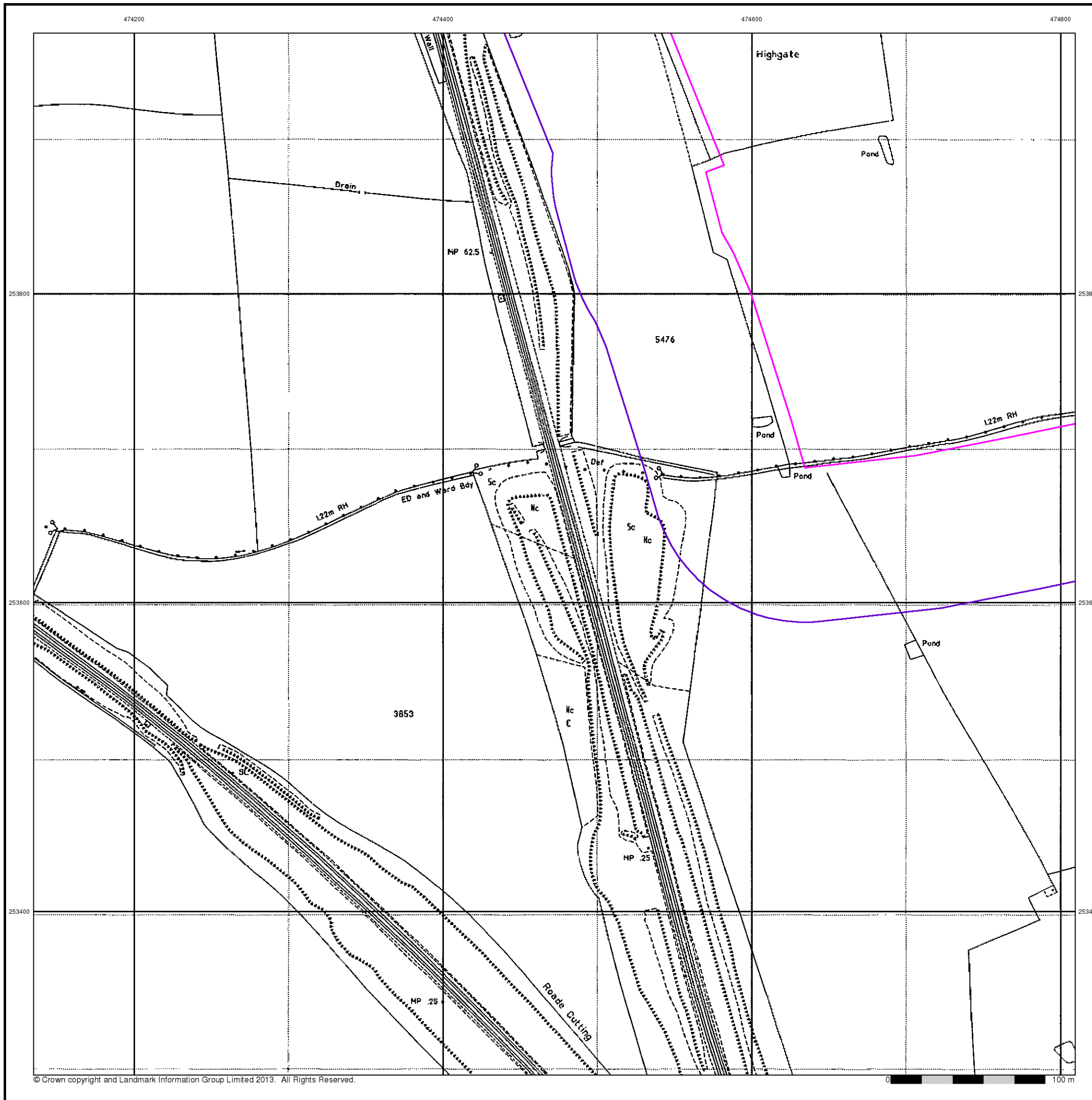


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



# 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

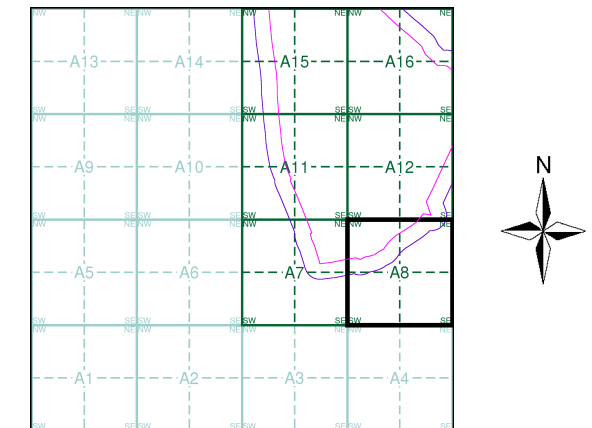
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard 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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1967	4
Additional SIMs	1:2,500	1967 - 1986	5
Additional SIMs	1:2,500	1986 - 1987	6
Large-Scale National Grid Data	1:2,500	1993	7

## Historical Map - Segment A8



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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

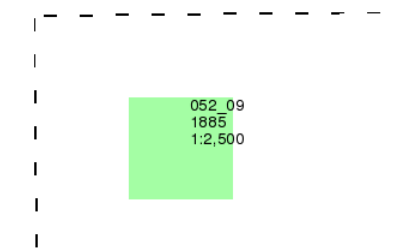
## Northamptonshire

Published 1885

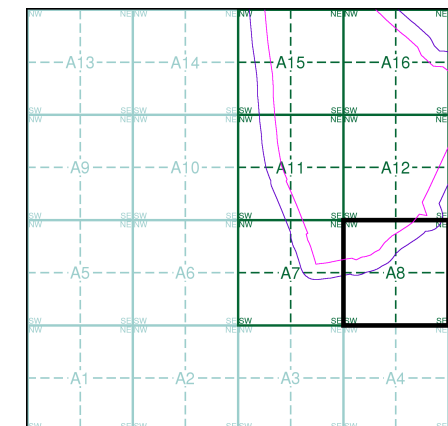
Source map scale - 1:2,500

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

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



### Historical Map - Segment A8

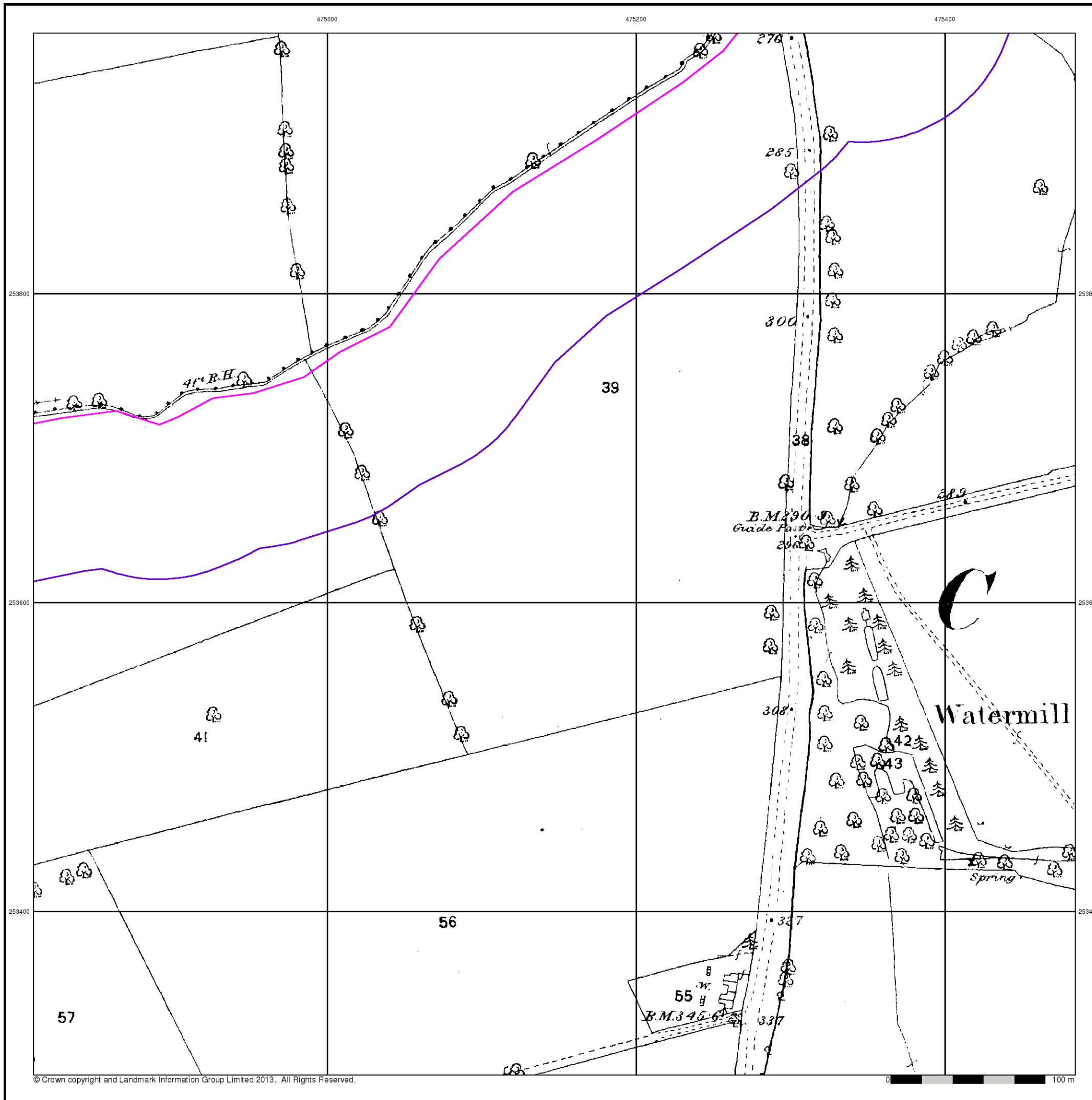


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



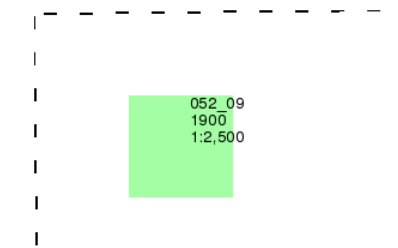
## Northamptonshire

Published 1900

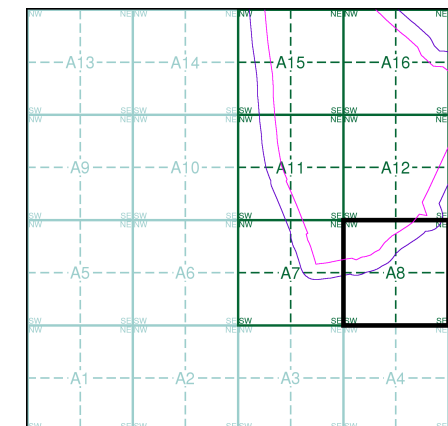
Source map scale - 1:2,500

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

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



### Historical Map - Segment A8

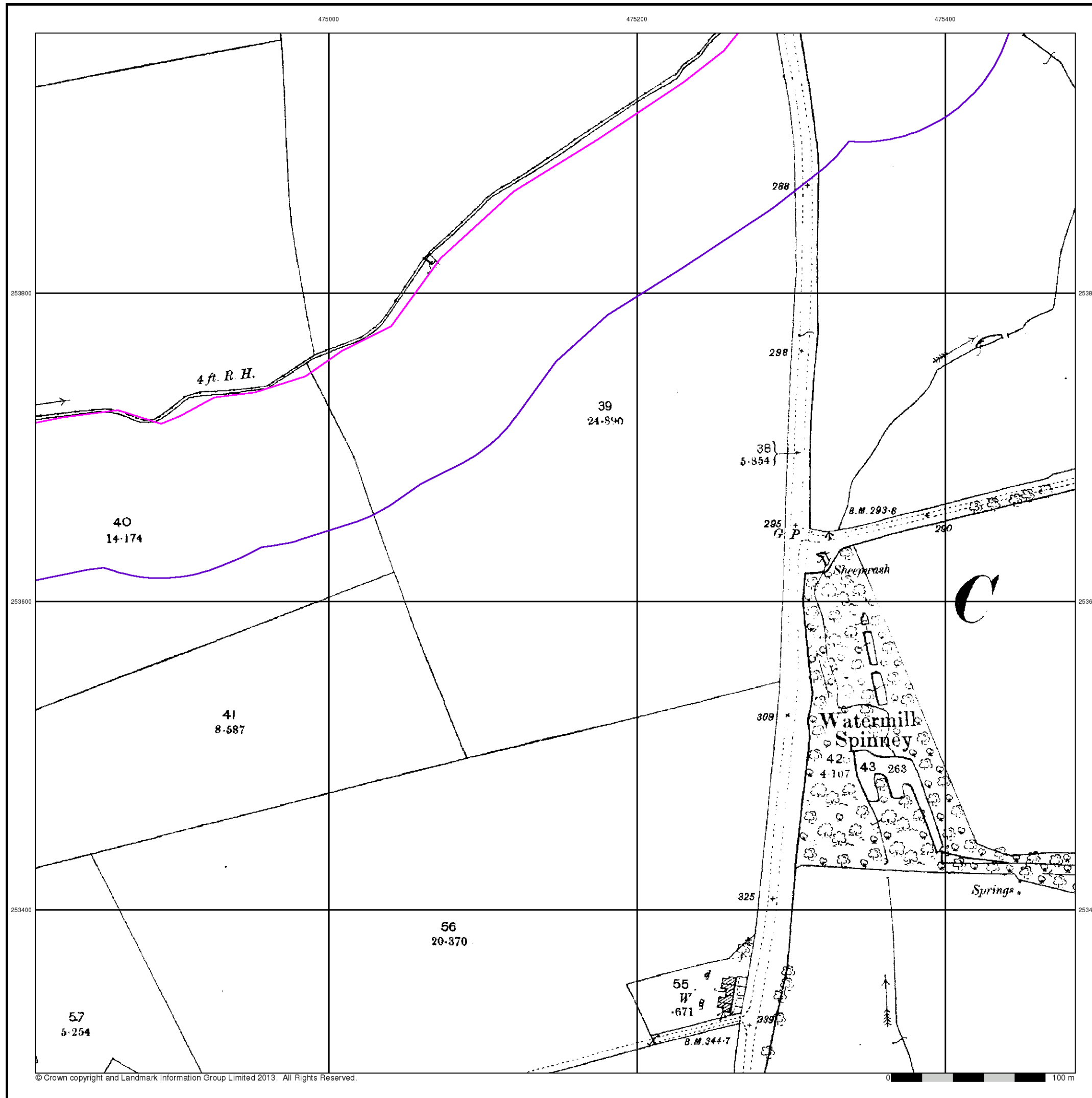


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



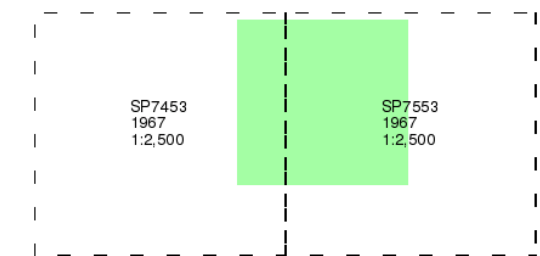
### Ordnance Survey Plan

Published 1967

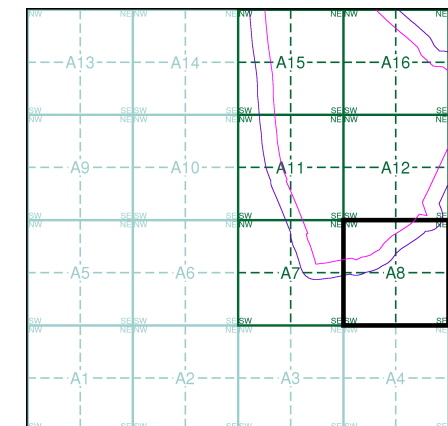
Source map scale - 1:2,500

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

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



### Historical Map - Segment A8



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON





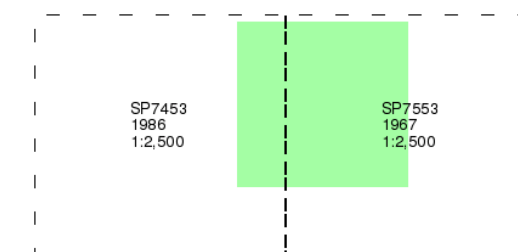
### Additional SIMs

Published 1967 - 1986

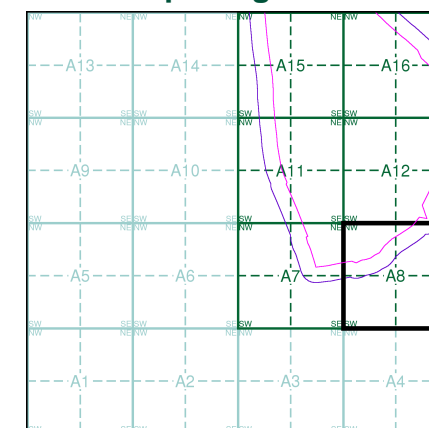
Source map scale - 1:2,500

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

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



### Historical Map - Segment A8



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



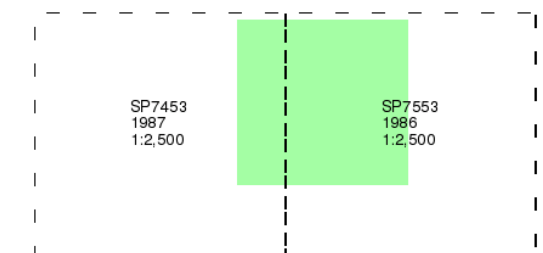
### Additional SIMs

Published 1986 - 1987

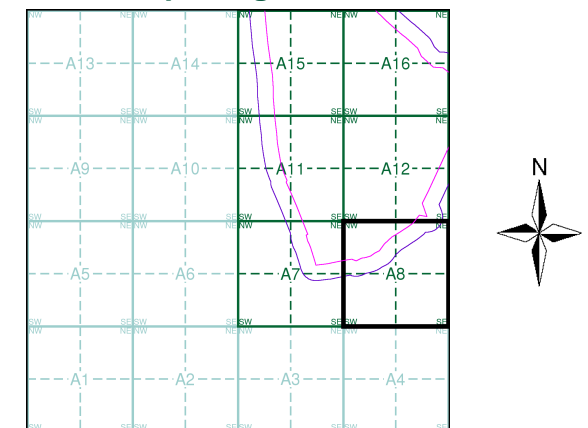
Source map scale - 1:2,500

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

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



### Historical Map - Segment A8

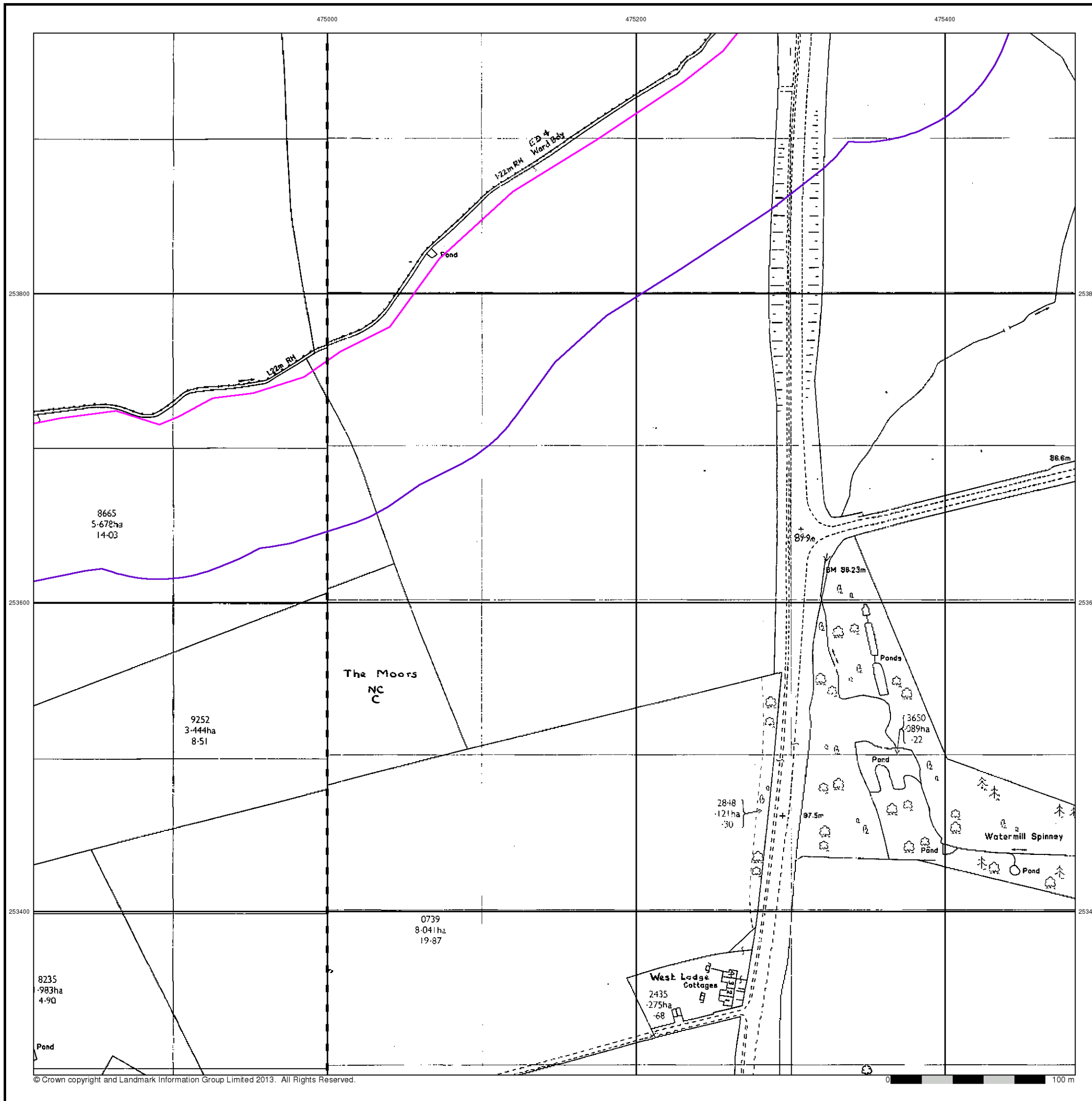


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



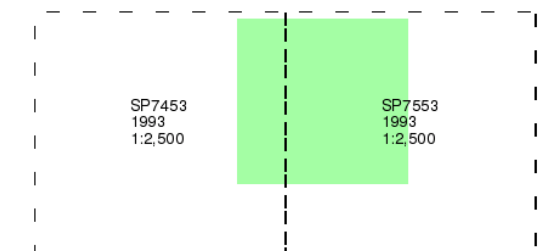
## Large-Scale National Grid Data

Published 1993

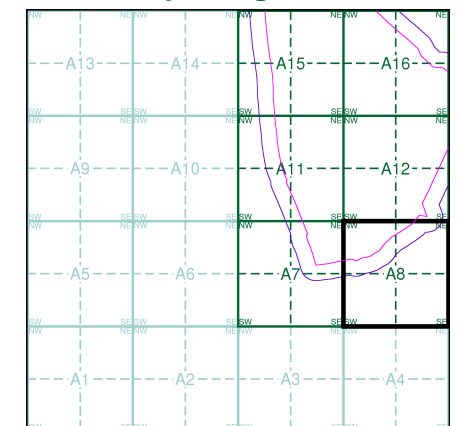
Source map scale - 1:2,500

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

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



### Historical Map - Segment A8



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



# 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**  
**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

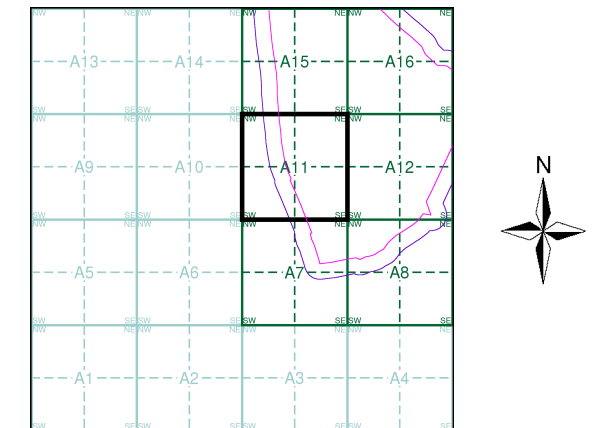
**Cliff**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard Tree**   **Scrub**   **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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1966 - 1967	4
Additional SIMs	1:2,500	1966 - 1986	5
Additional SIMs	1:2,500	1987	6
Large-Scale National Grid Data	1:2,500	1993	7

## Historical Map - Segment A11



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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

## Northamptonshire

Published 1885

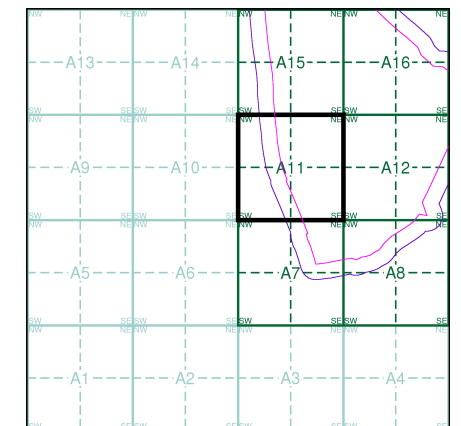
Source map scale - 1:2,500

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)

051_08 1885 1:2,500	052_05 1885 1:2,500
051_12 1885 1:2,500	052_09 1885 1:2,500

### Historical Map - Segment A11

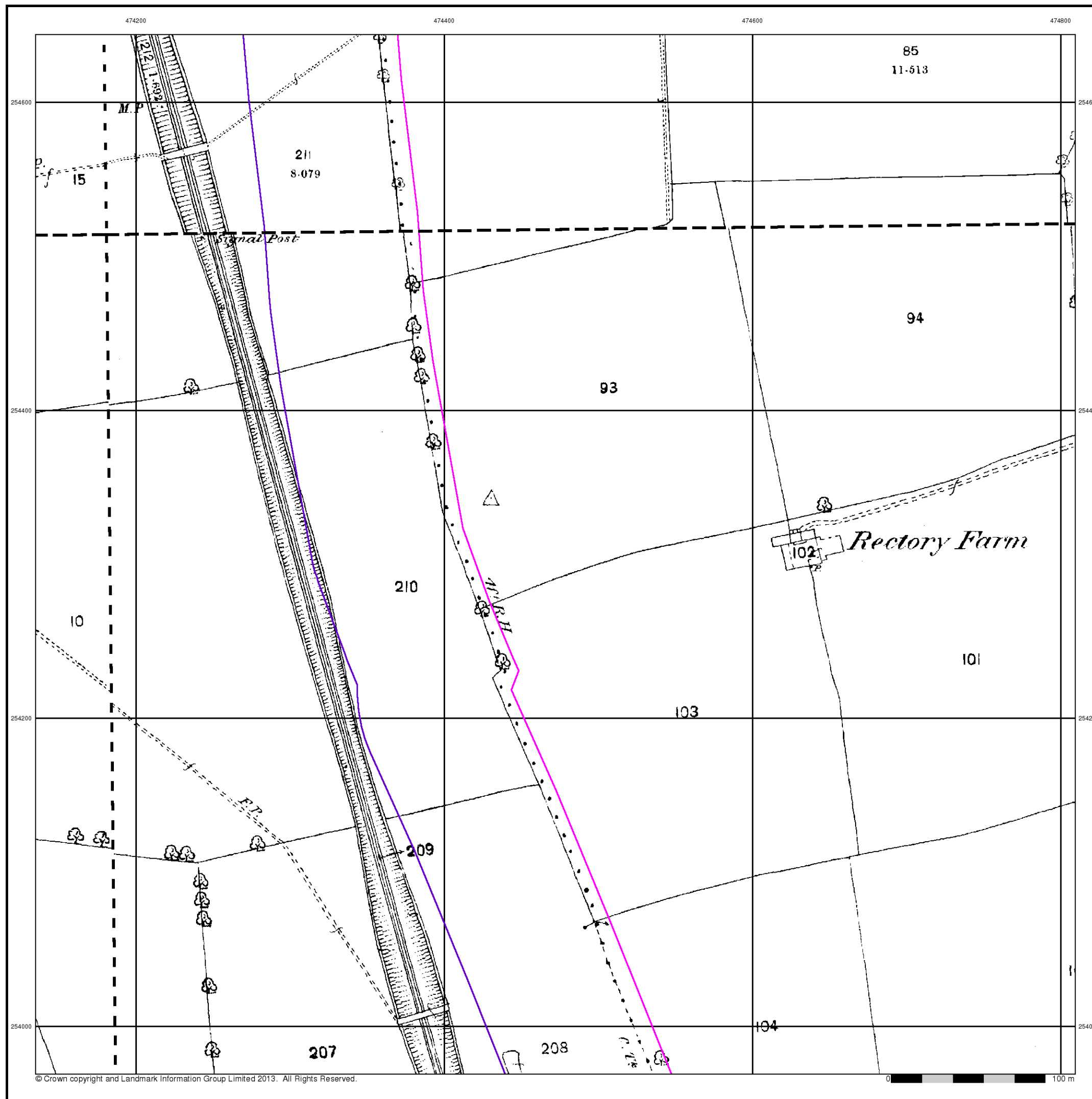


### Order Details

Order Number: 59121721\_1\_1  
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 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1900

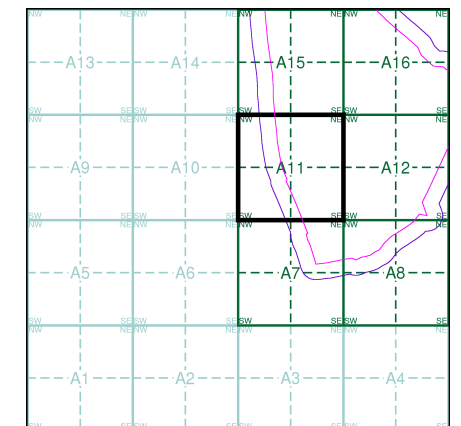
Source map scale - 1:2,500

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)

051_08 1900 1:2,500	052_05 1900 1:2,500
051_12 1900 1:2,500	052_09 1900 1:2,500

### Historical Map - Segment A11

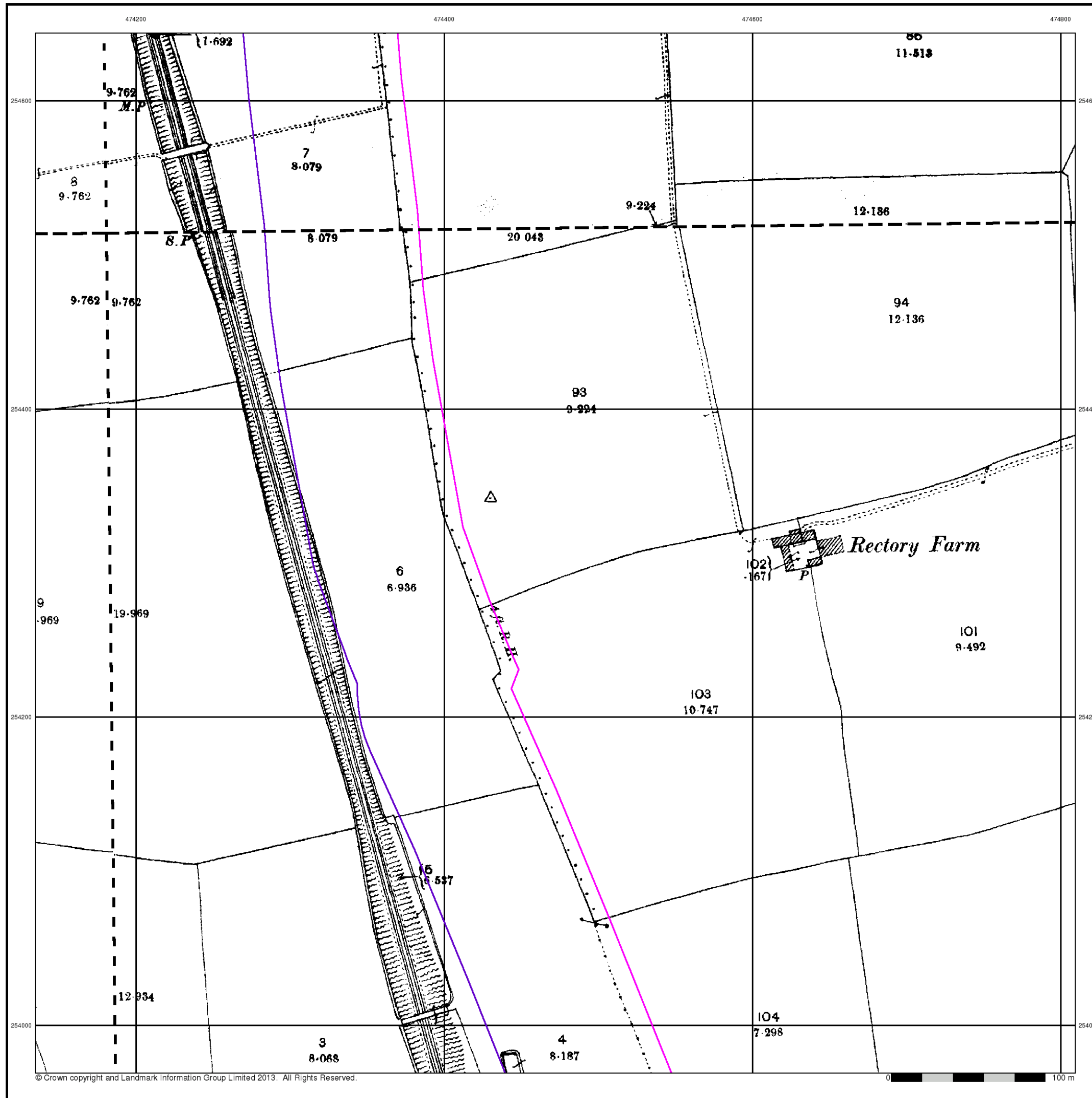


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1966 - 1967

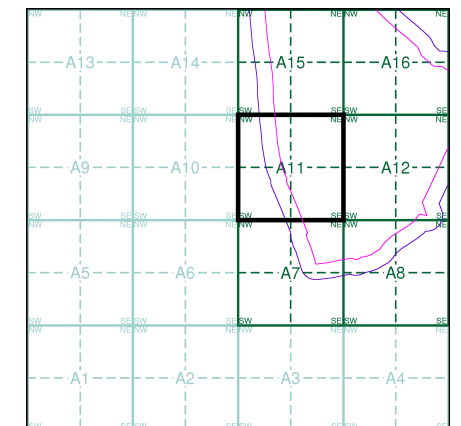
Source map scale - 1:2,500

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)

SP7454	1966	1:2,500
SP7453	1967	1:2,500

### Historical Map - Segment A11

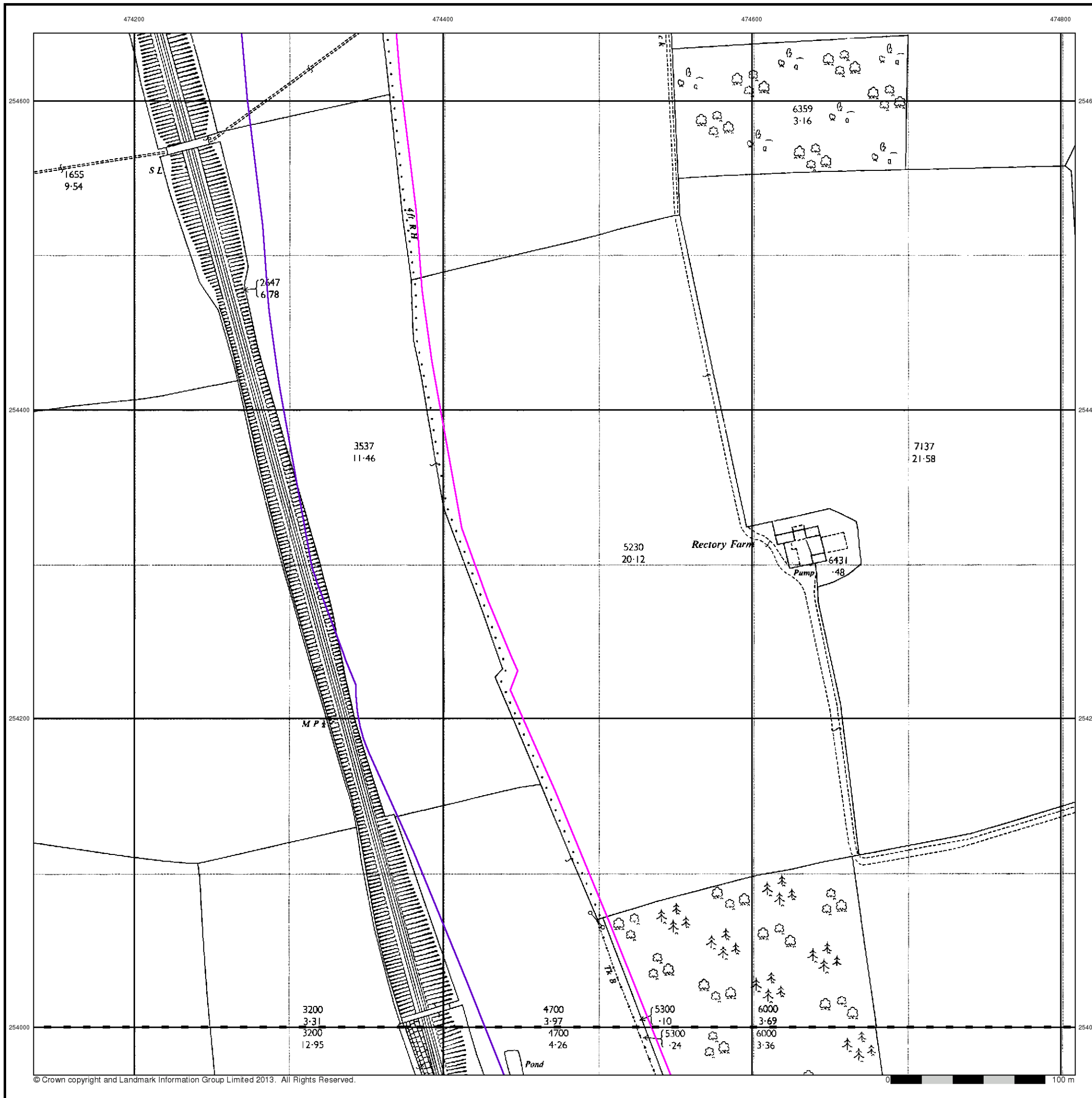


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



### Additional SIMs

Published 1966 - 1986

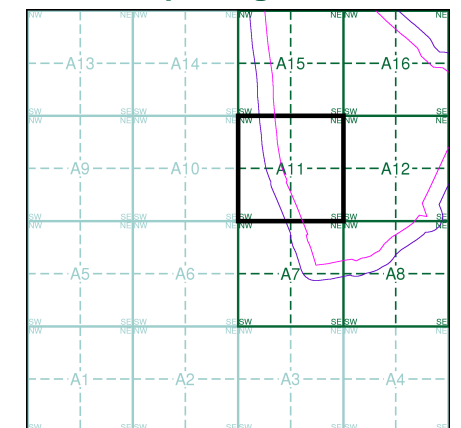
Source map scale - 1:2,500

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

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

SP7454	1966	1:2,500
SP7453	1986	1:2,500

### Historical Map - Segment A11

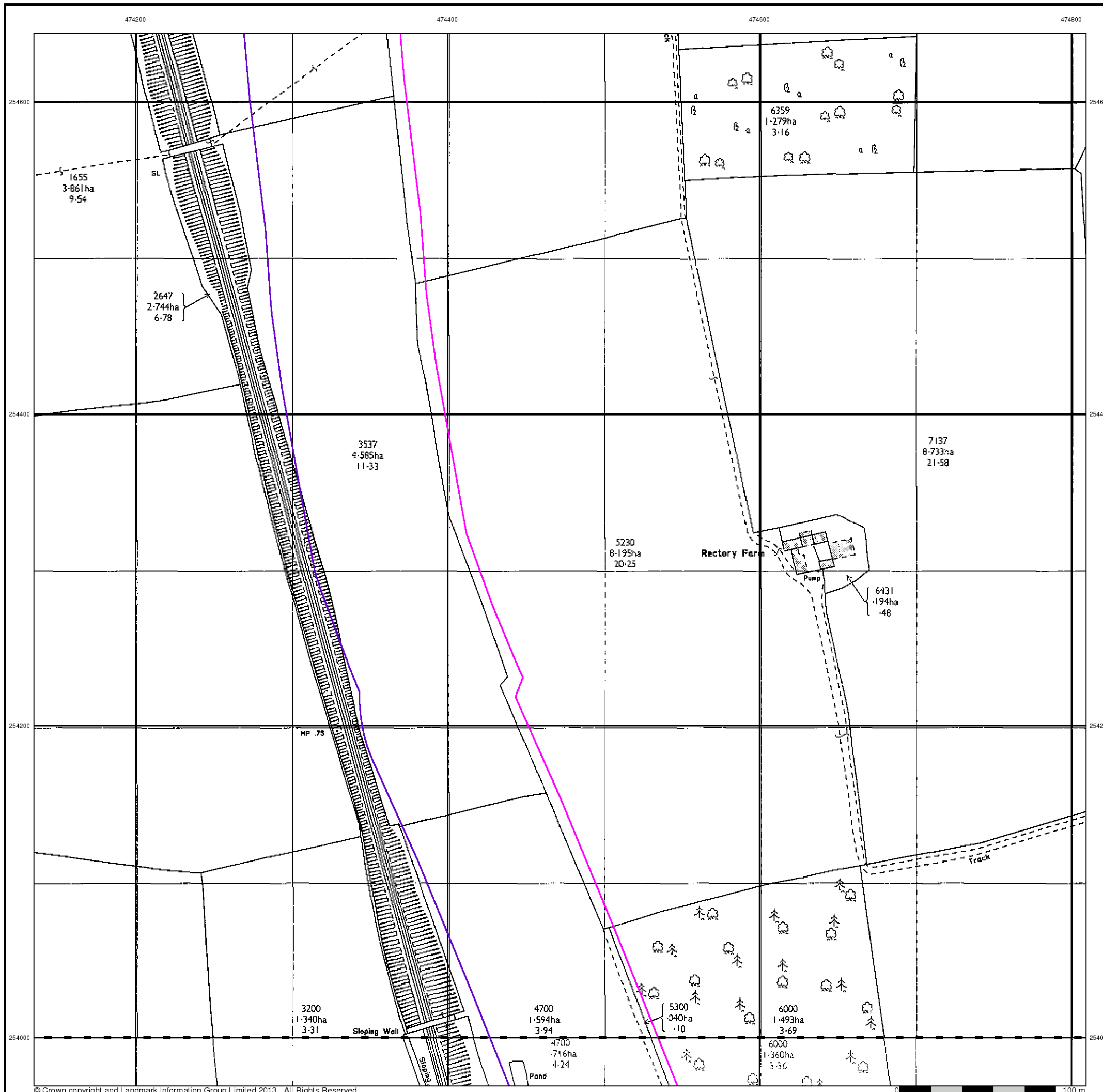


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON





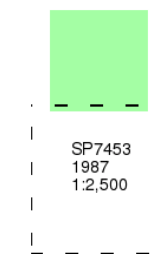
### Additional SIMs

Published 1987

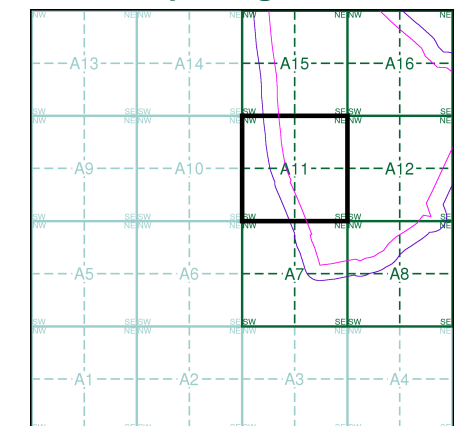
Source map scale - 1:2,500

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

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



### Historical Map - Segment A11

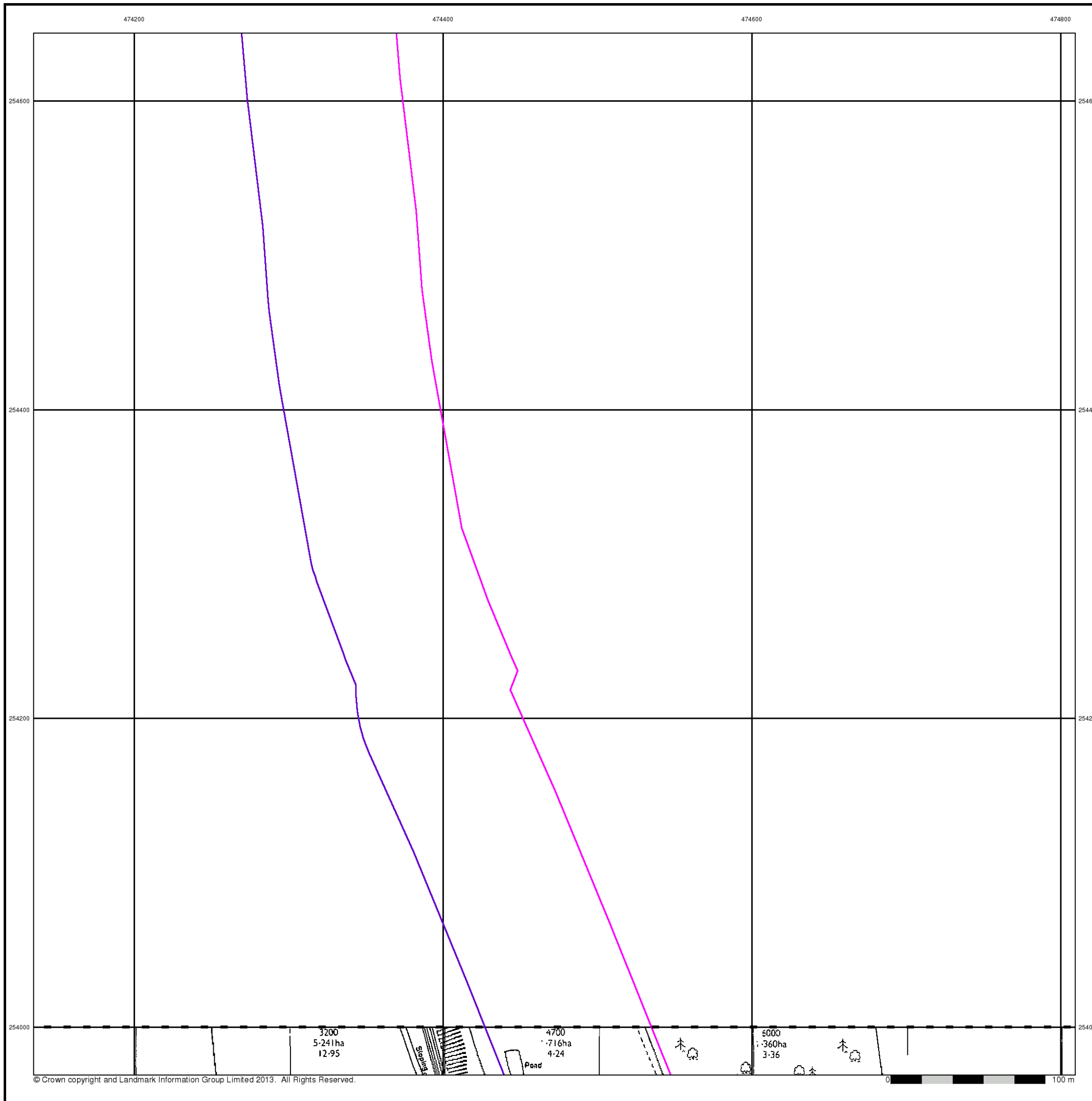


### Order Details

Order Number: 59121721\_1\_1  
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 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



## Large-Scale National Grid Data

Published 1993

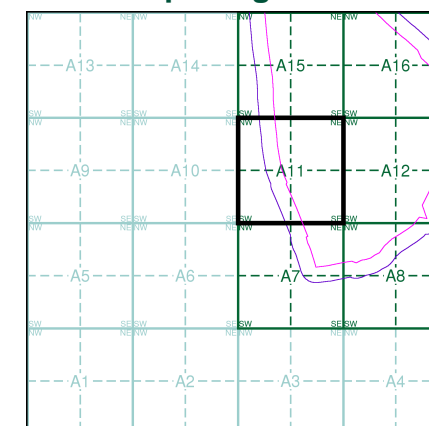
Source map scale - 1:2,500

'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)

SP7454	1993	1:2,500
SP7453	1993	1:2,500

### Historical Map - Segment A11

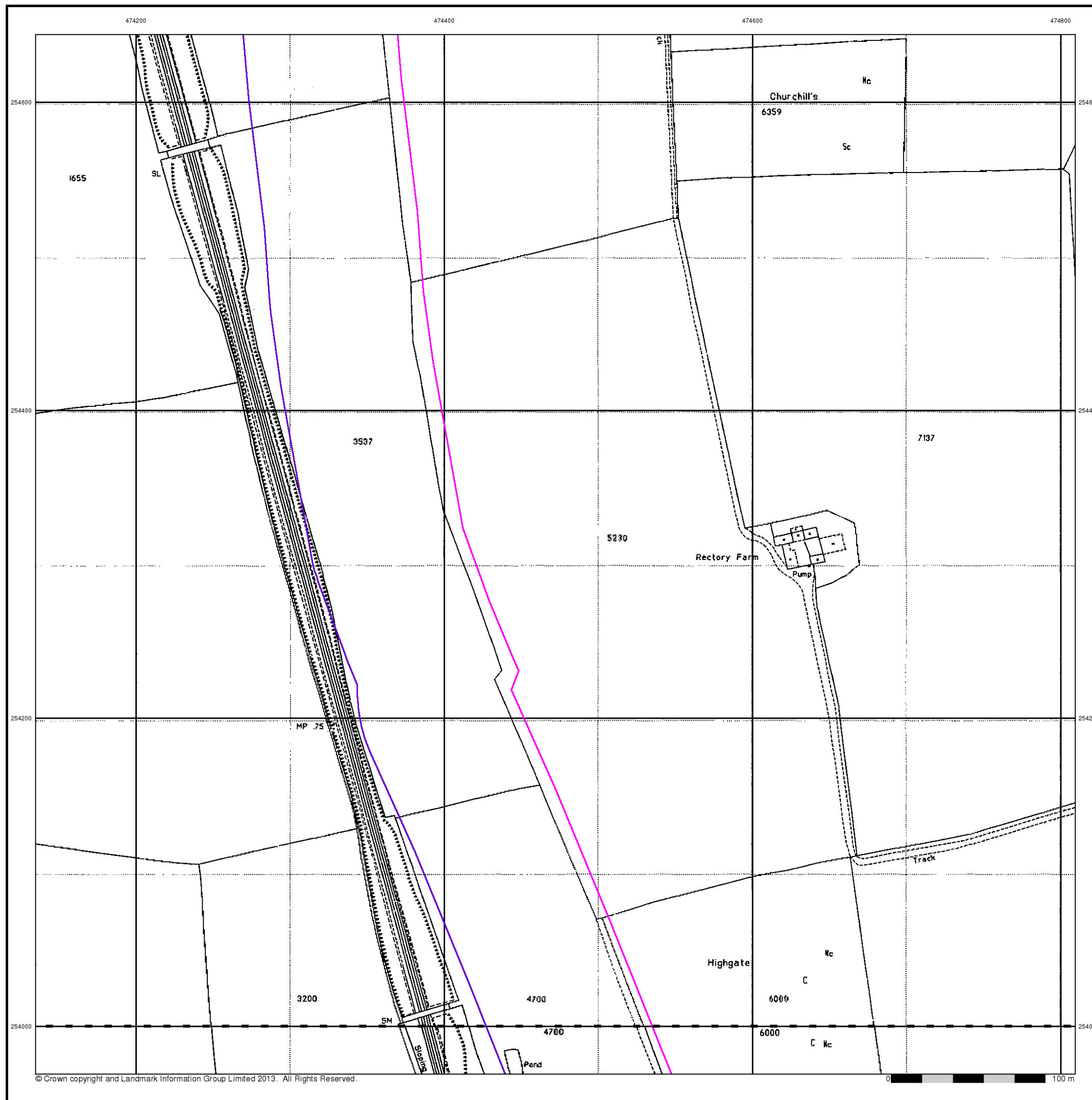


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



# 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

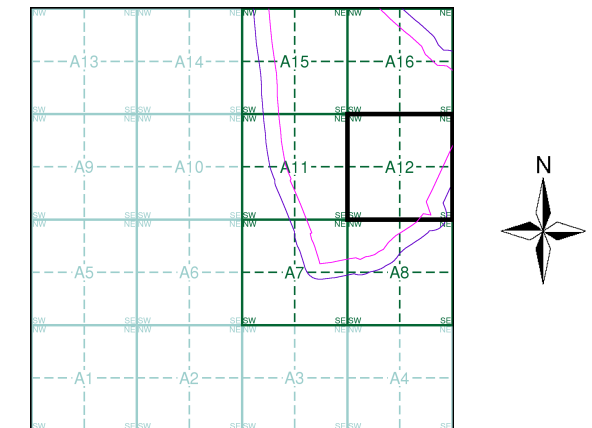
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard 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**  
**BM 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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1966 - 1967	4
Additional SIMs	1:2,500	1966 - 1986	5
Ordnance Survey Plan	1:2,500	1980	6
Additional SIMs	1:2,500	1986 - 1987	7
Large-Scale National Grid Data	1:2,500	1993	8

## Historical Map - Segment A12



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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

## Northamptonshire

Published 1885

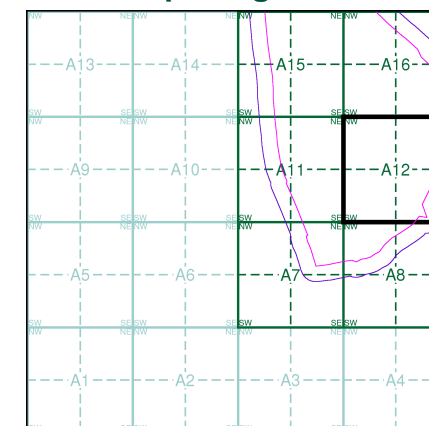
Source map scale - 1:2,500

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)

052_05	1885	1:2,500
052_09	1885	1:2,500

### Historical Map - Segment A12

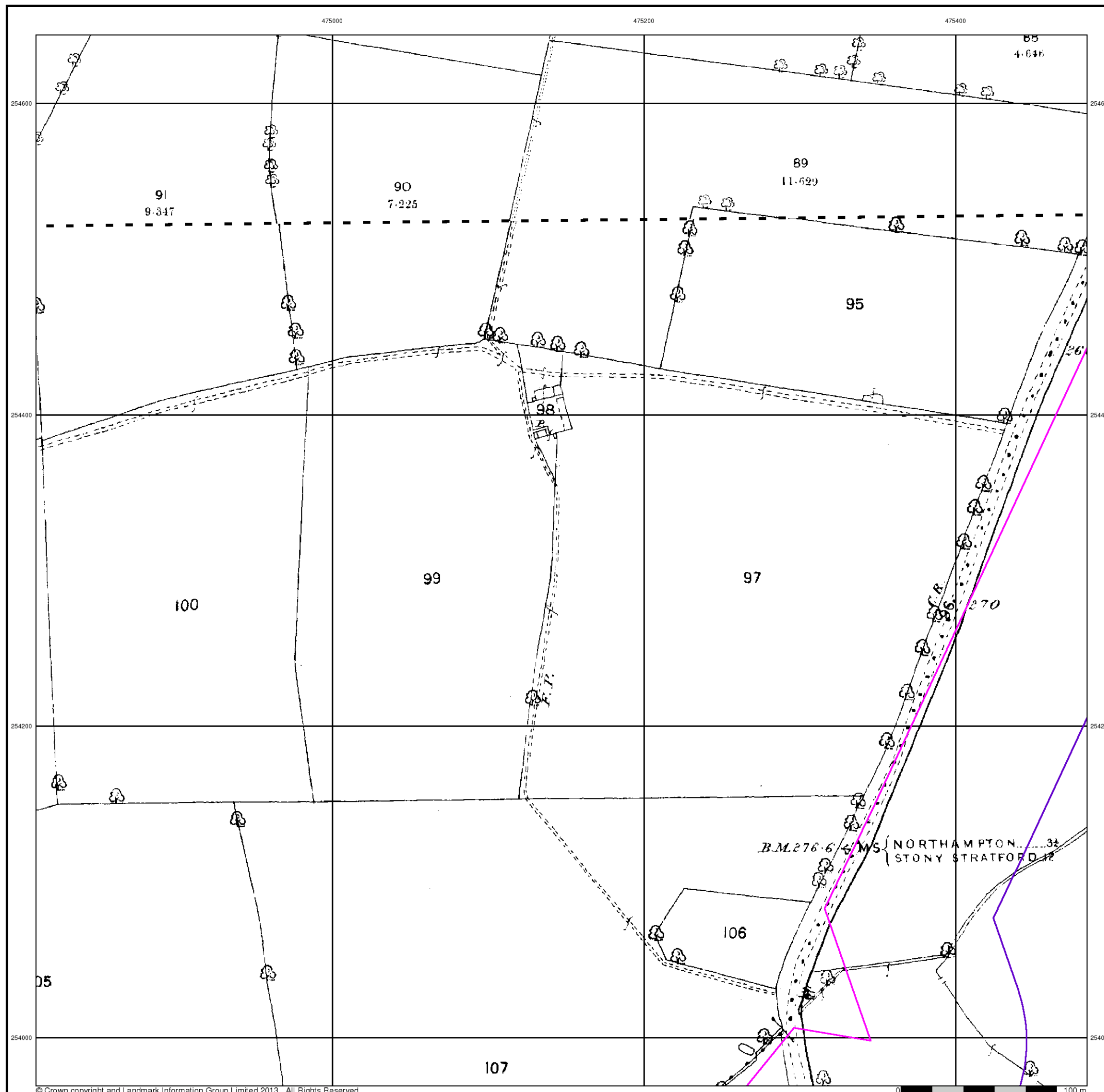


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1900

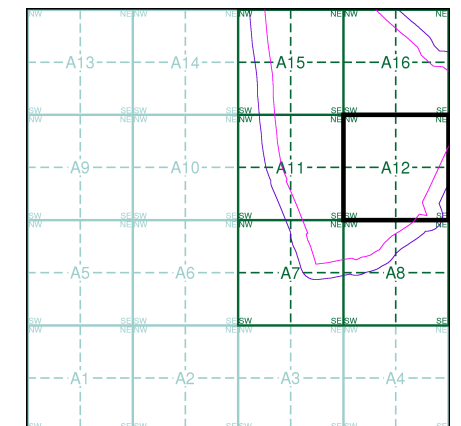
Source map scale - 1:2,500

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)

052_05	1900	1:2,500
052_09	1900	1:2,500

### Historical Map - Segment A12

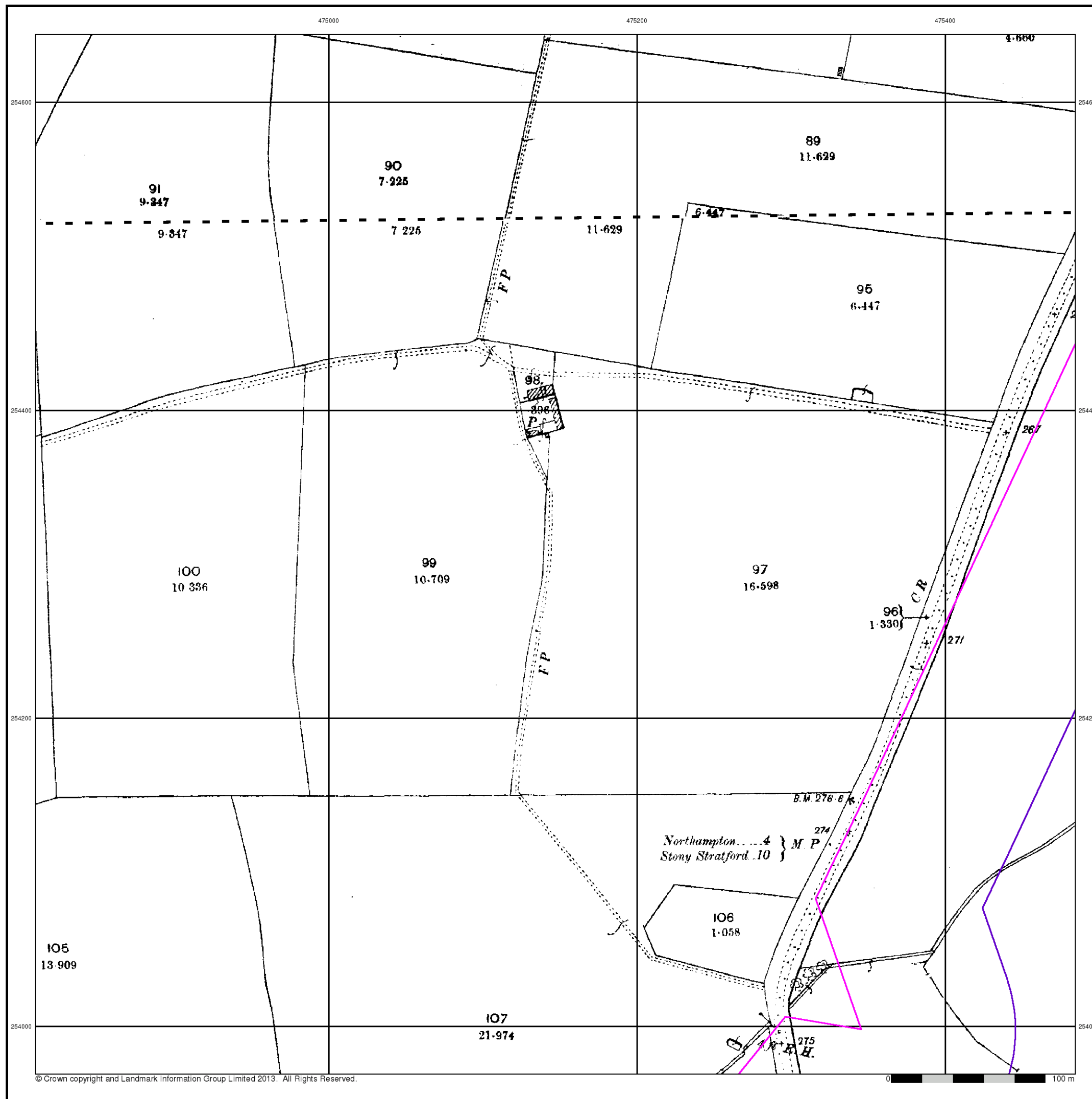


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1966 - 1967

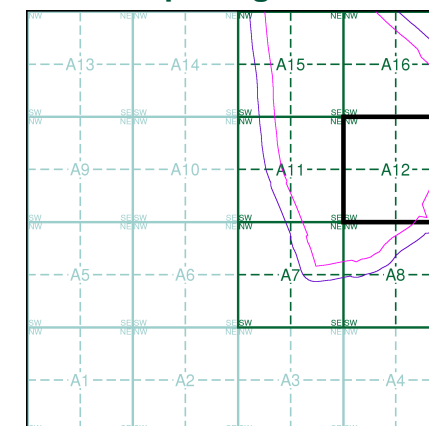
Source map scale - 1:2,500

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)

SP7454 1966 1:2,500	SP7554 1966 1:2,500
SP7453 1967 1:2,500	SP7553 1967 1:2,500

### Historical Map - Segment A12

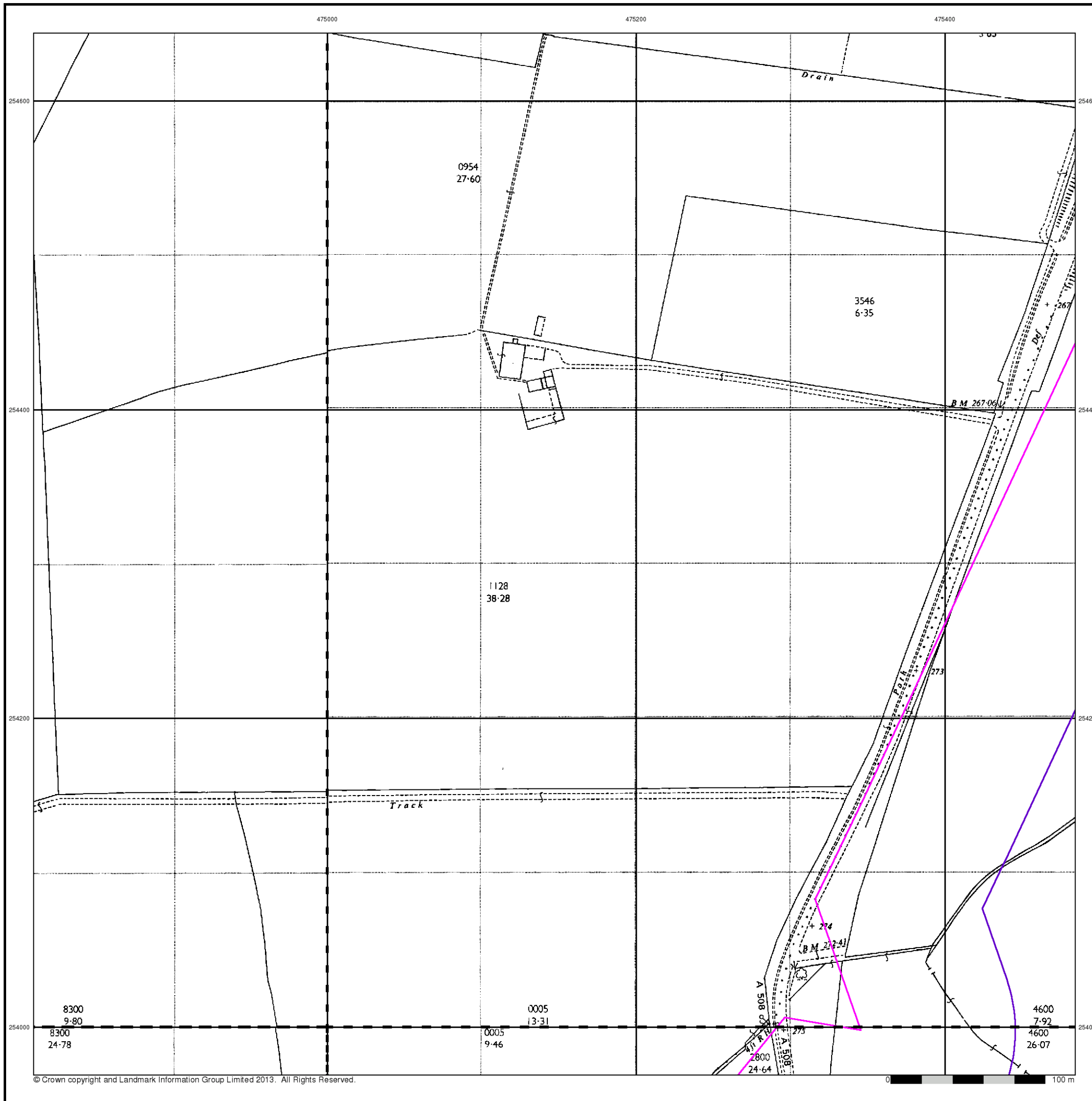


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



### Additional SIMs

Published 1966 - 1986

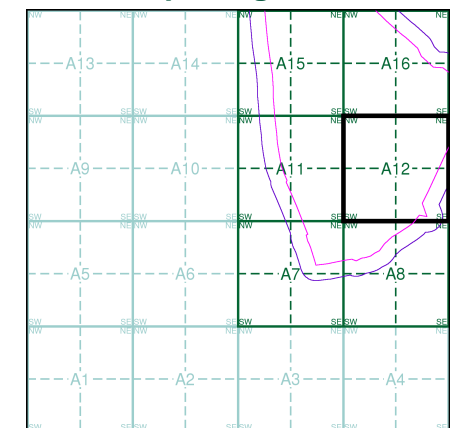
Source map scale - 1:2,500

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

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

SP7454 1966 1:2,500	
SP7453 1986 1:2,500	SP7553 1987 1:2,500

### Historical Map - Segment A12

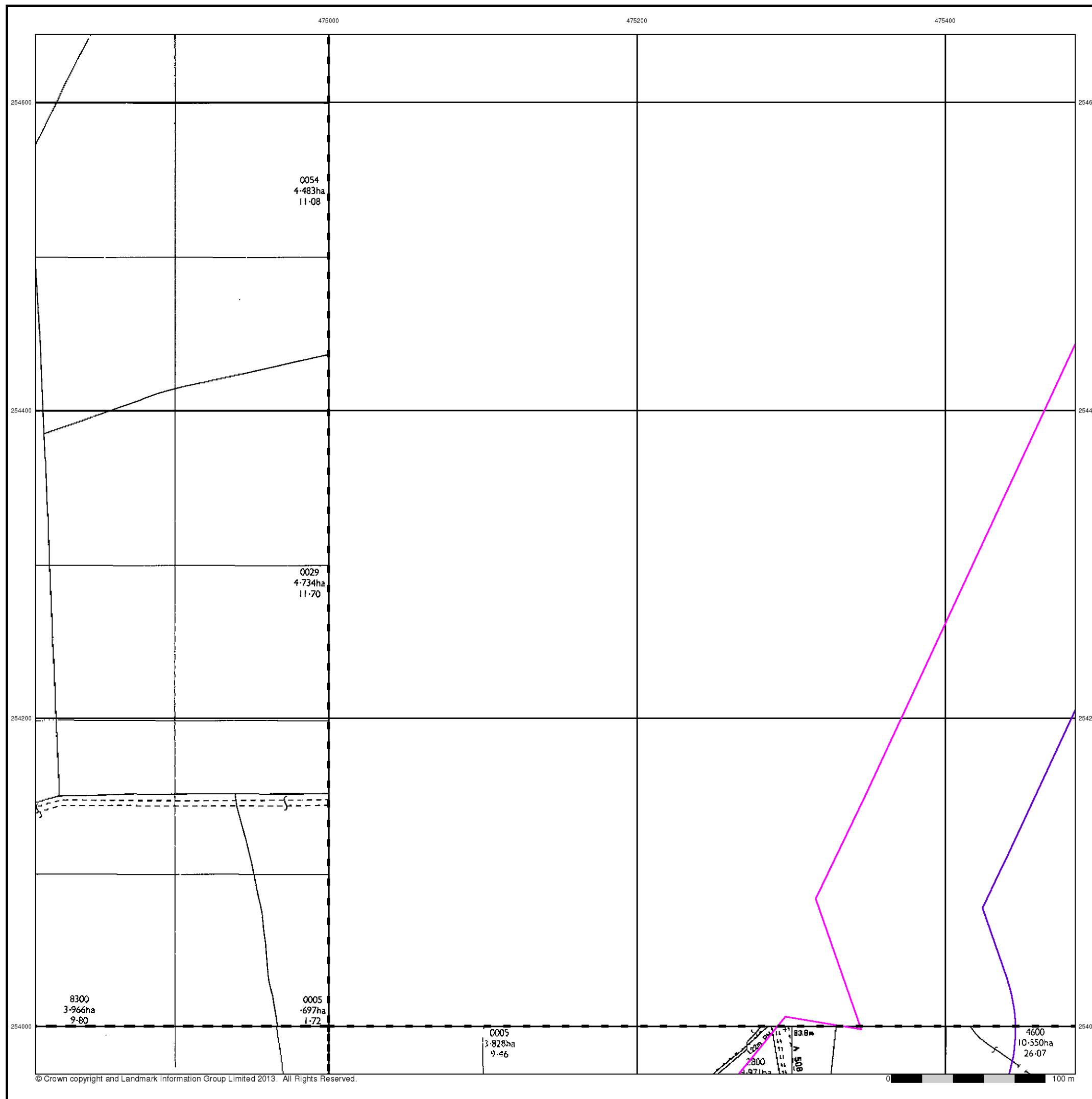


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



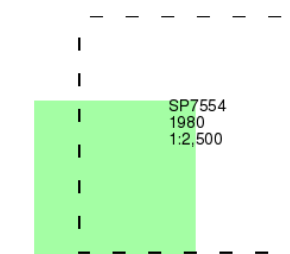
## Ordnance Survey Plan

Published 1980

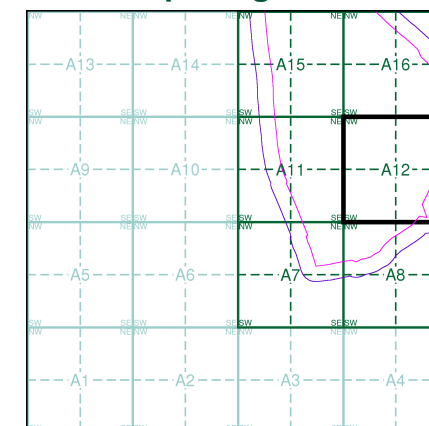
Source map scale - 1:2,500

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

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



### Historical Map - Segment A12



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON





475000

475200

475400



### Additional SIMs

Published 1986 - 1987

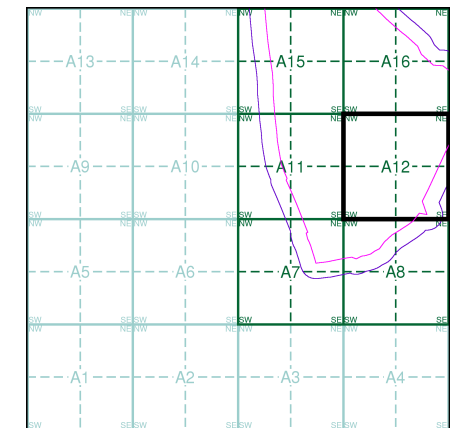
Source map scale - 1:2,500

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

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



### Historical Map - Segment A12



### Order Details

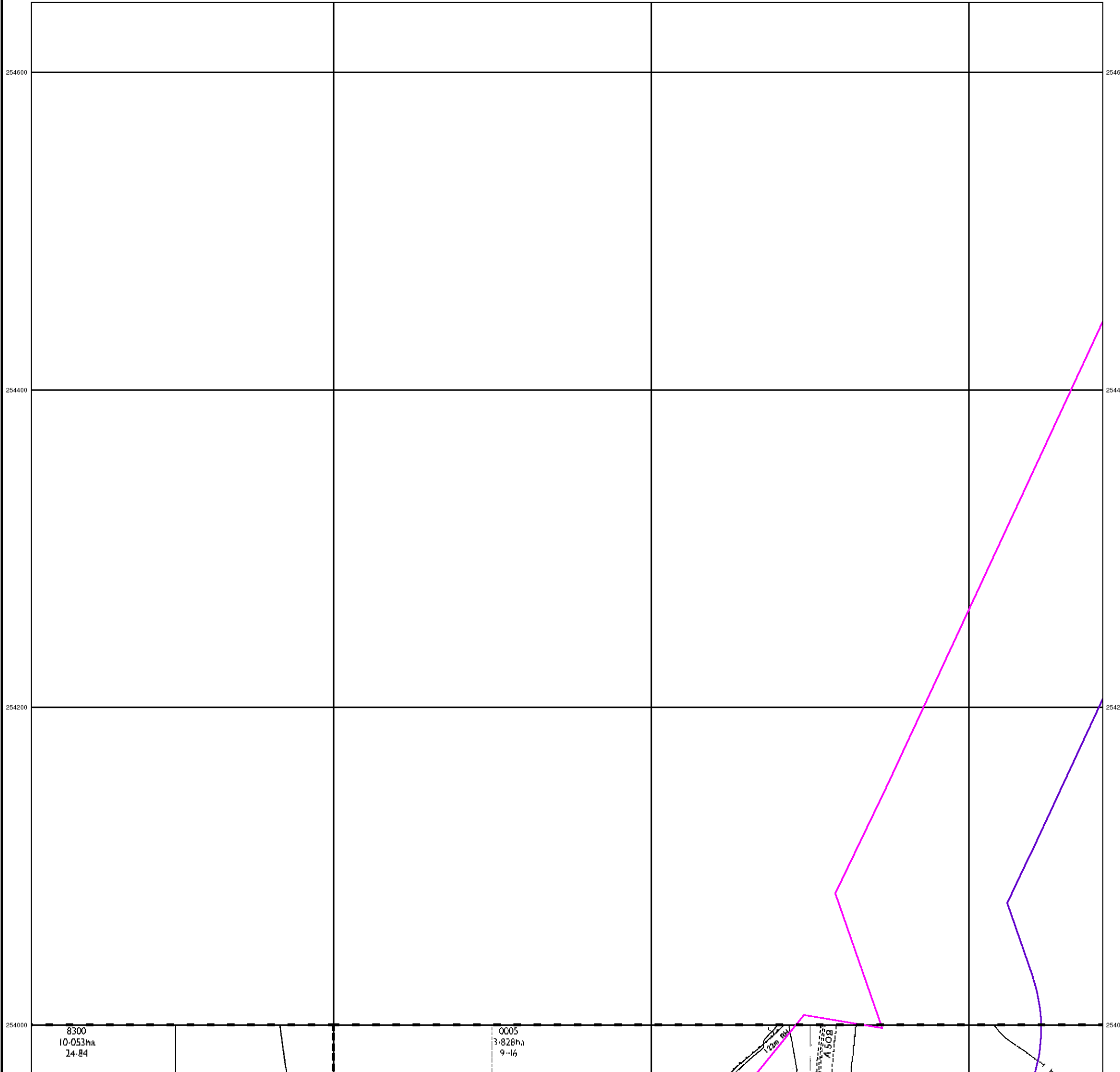
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
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### Site Details

M1 Junction 15, NORTHAMPTON



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



8300  
 10-053ha  
 14-84

0005  
 3-828ha  
 9-16

## Large-Scale National Grid Data

Published 1993

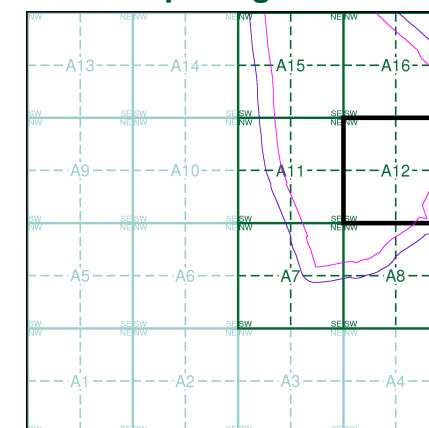
Source map scale - 1:2,500

'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)

SP7454 1993 12,500	SP7554 1993 12,500
SP7453 1993 12,500	SP7553 1993 12,500

### Historical Map - Segment A12

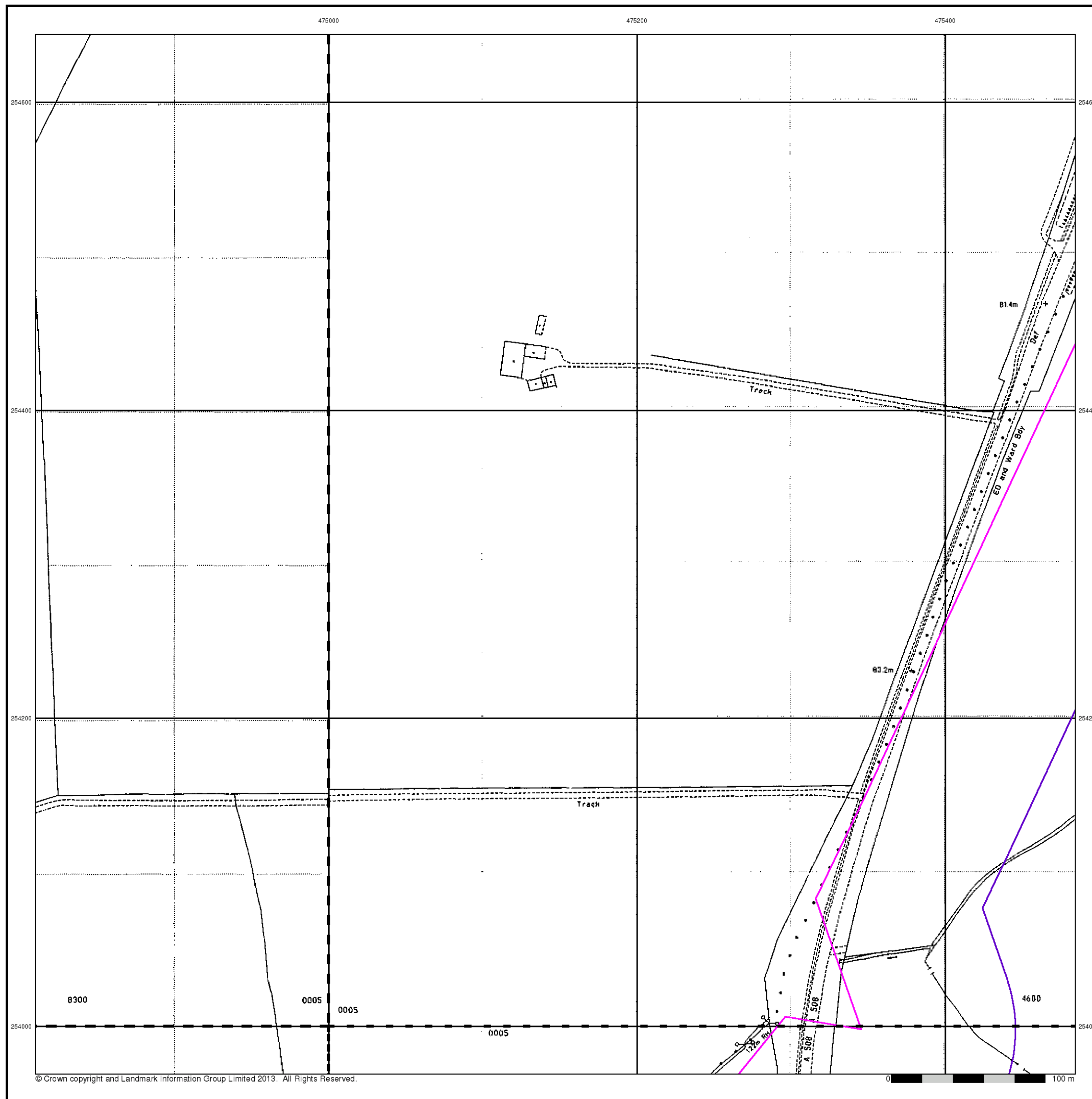


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



# 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**  
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**D Fn** Drinking Fountain   **Pp** Pump  
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**FAP** Fire Alarm Pillar   **SP, SL** Signal Post or Light  
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**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

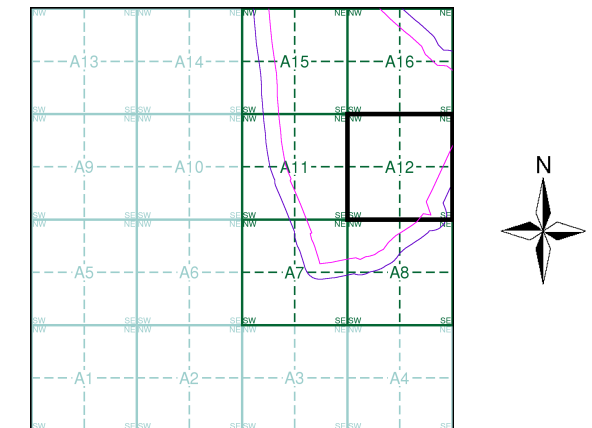
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard 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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1966 - 1967	4
Additional SIMs	1:2,500	1966 - 1986	5
Ordnance Survey Plan	1:2,500	1980	6
Additional SIMs	1:2,500	1986 - 1987	7
Large-Scale National Grid Data	1:2,500	1993	8

## Historical Map - Segment A12



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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

## Northamptonshire

Published 1885

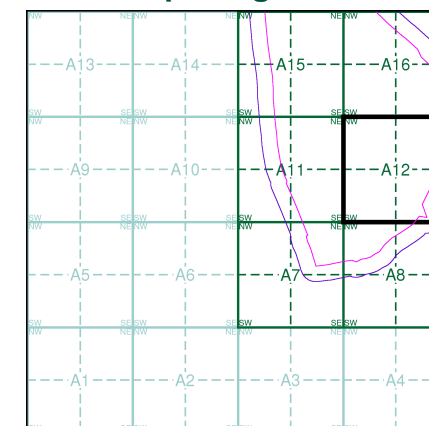
Source map scale - 1:2,500

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)

052_05	1885	1:2,500
052_09	1885	1:2,500

### Historical Map - Segment A12

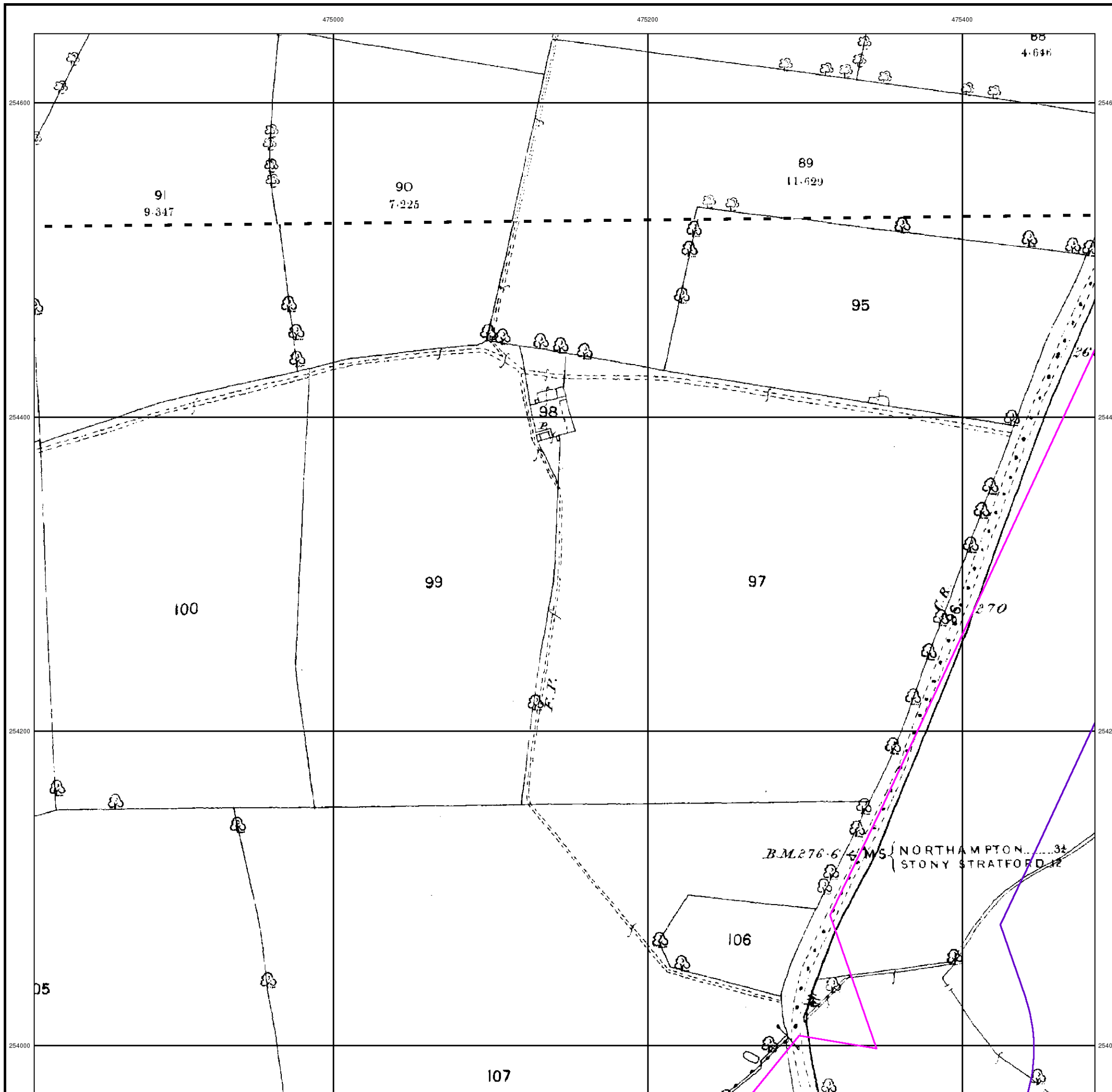


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1900

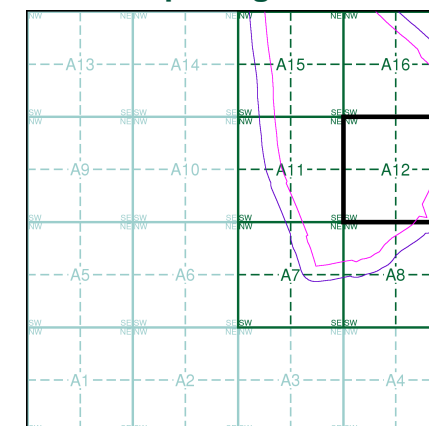
Source map scale - 1:2,500

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)

052_05	1900	1:2,500
052_09	1900	1:2,500

### Historical Map - Segment A12

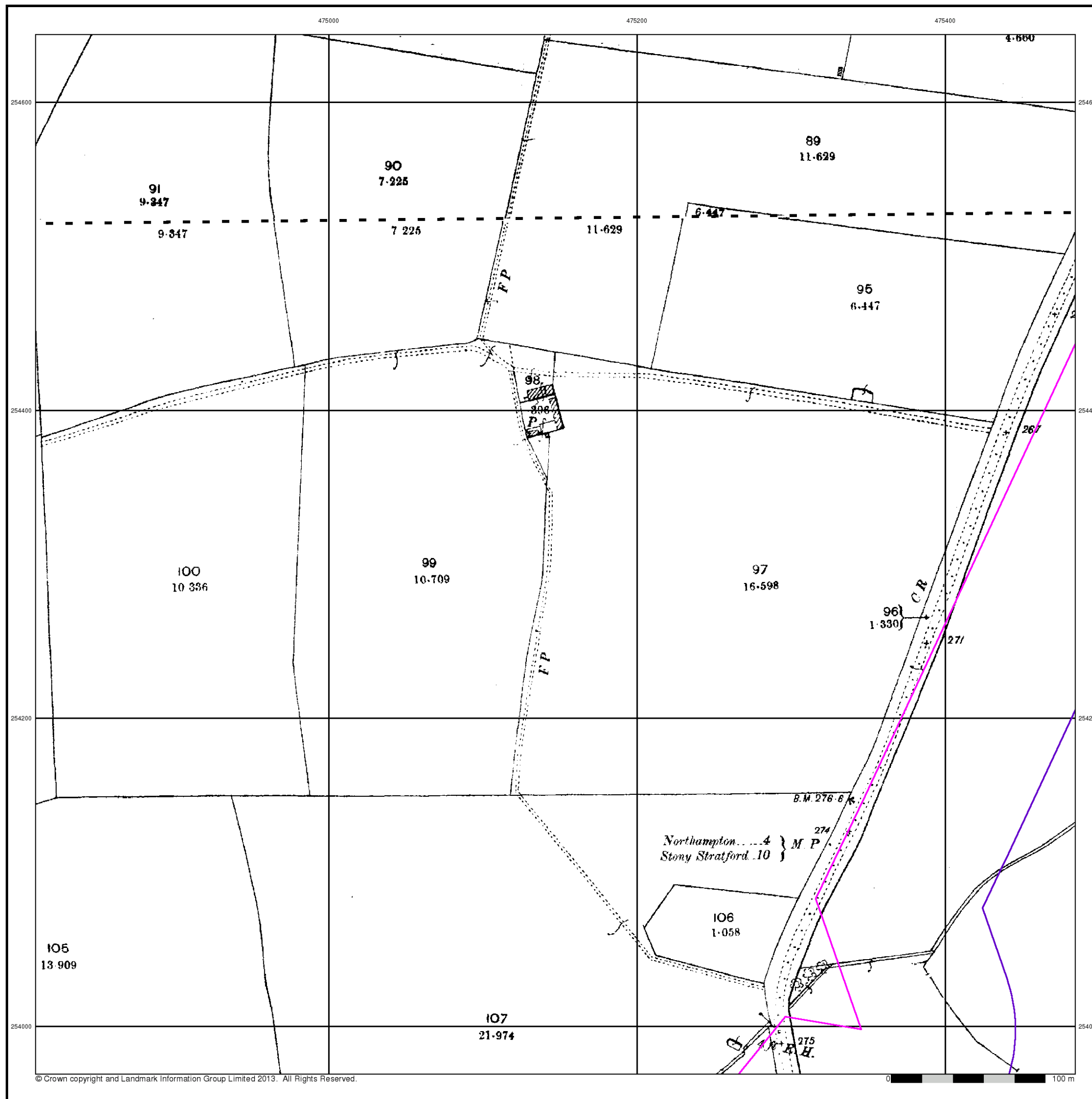


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1966 - 1967

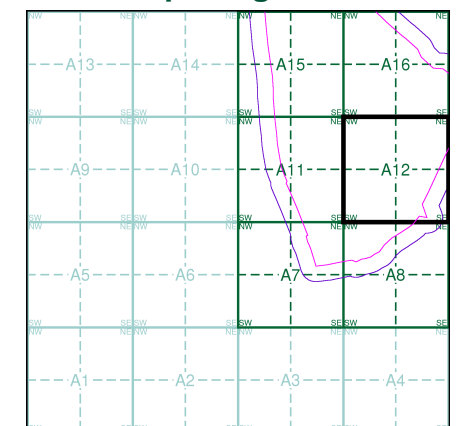
Source map scale - 1:2,500

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)

SP7454 1966 1:2,500	SP7554 1966 1:2,500
SP7453 1967 1:2,500	SP7553 1967 1:2,500

### Historical Map - Segment A12

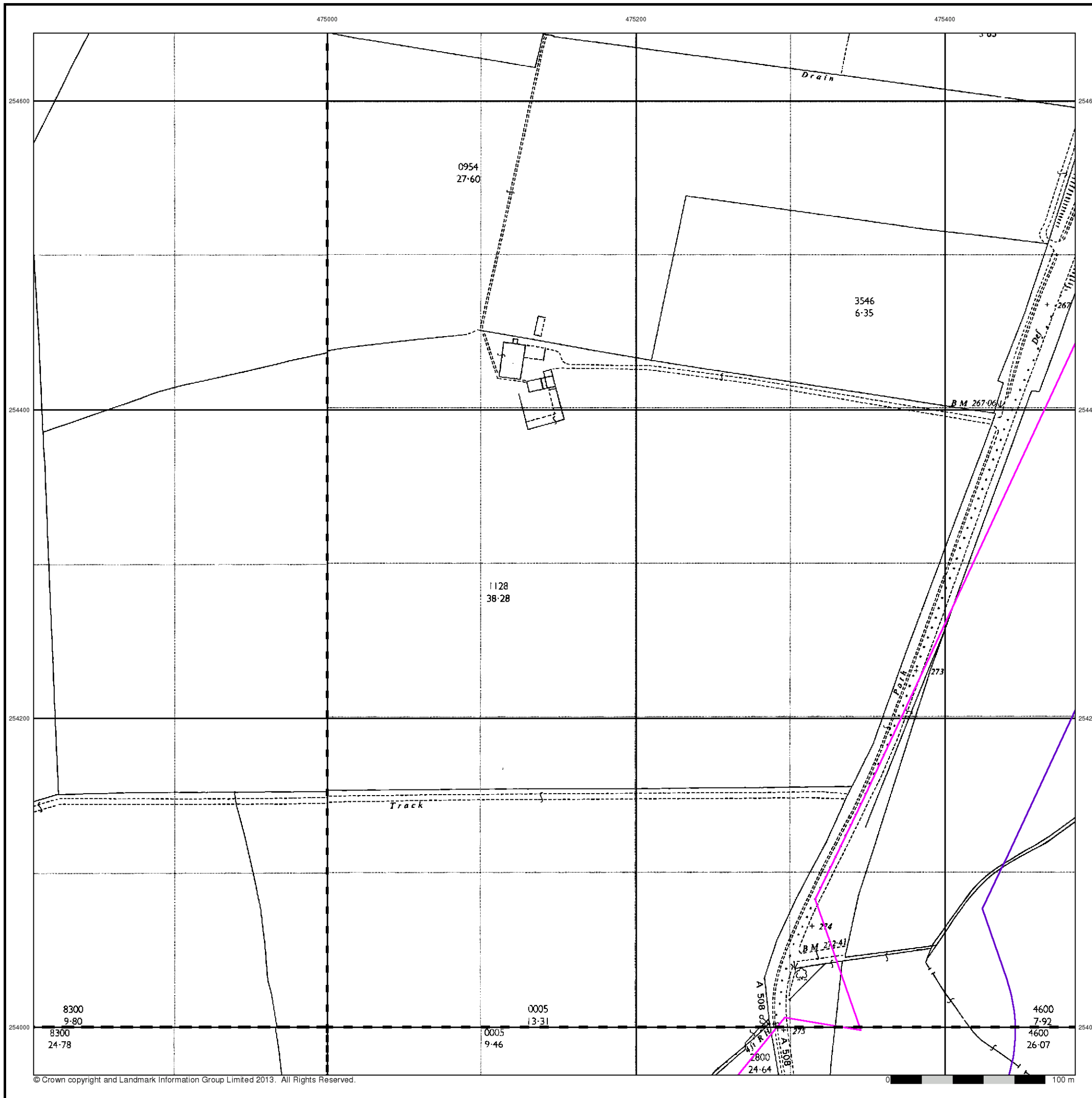


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



### Additional SIMs

Published 1966 - 1986

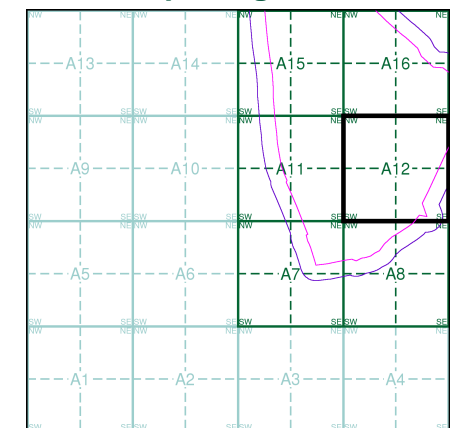
Source map scale - 1:2,500

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

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

SP7454 1966 1:2,500	
SP7453 1986 1:2,500	SP7553 1987 1:2,500

### Historical Map - Segment A12

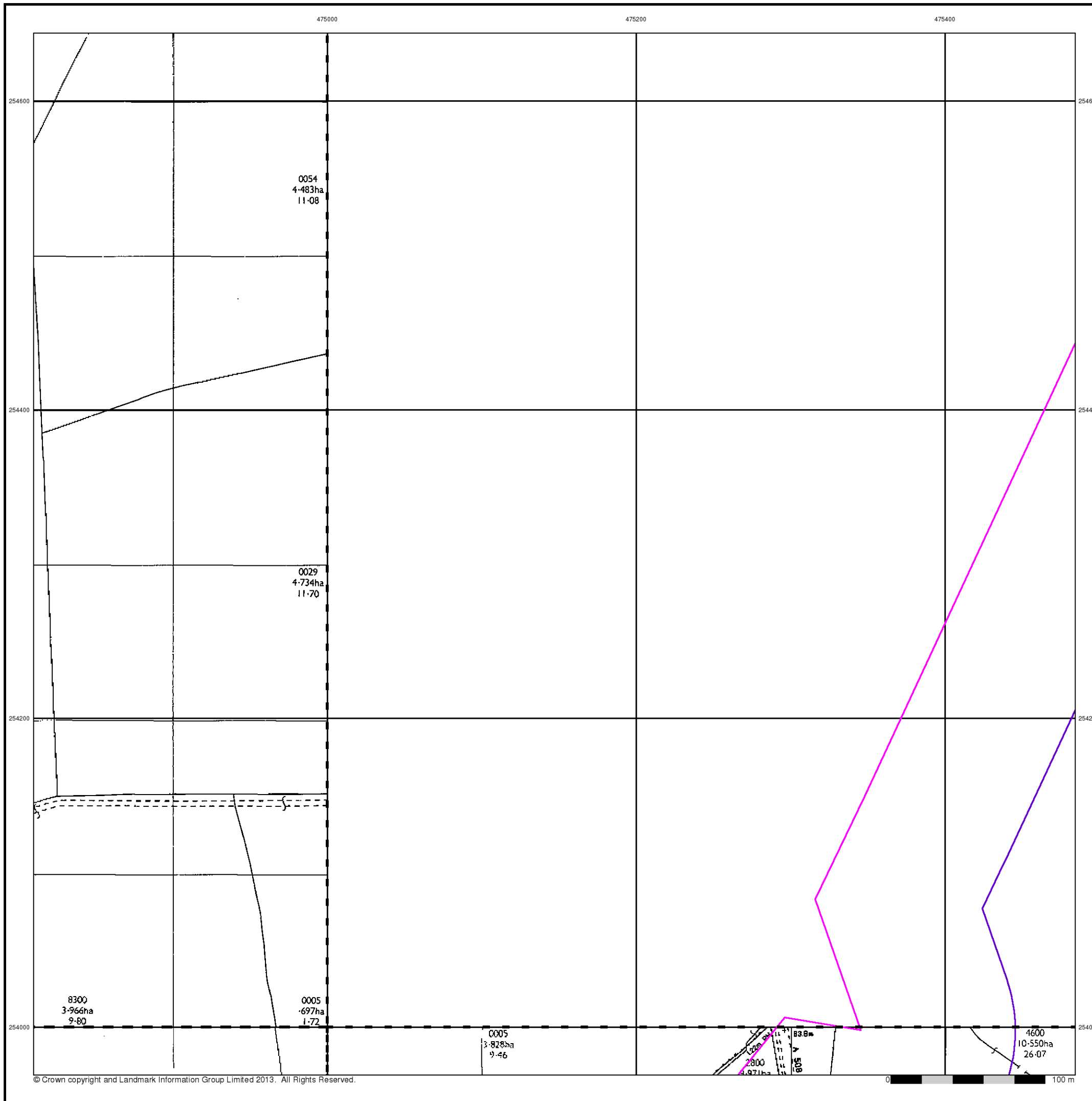


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



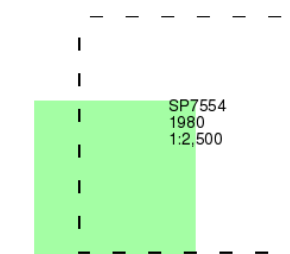
## Ordnance Survey Plan

Published 1980

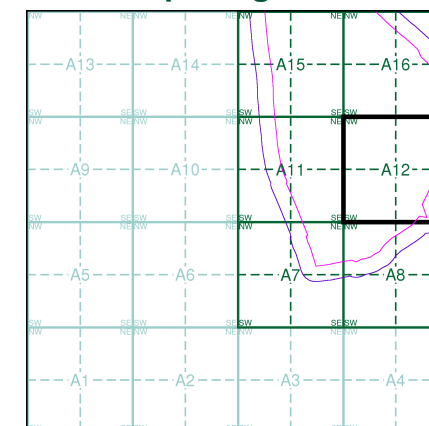
Source map scale - 1:2,500

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

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



### Historical Map - Segment A12



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON





475000

475200

475400



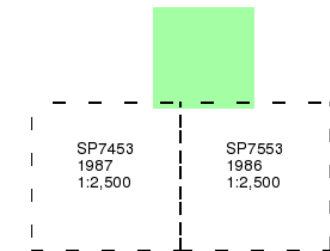
### Additional SIMs

Published 1986 - 1987

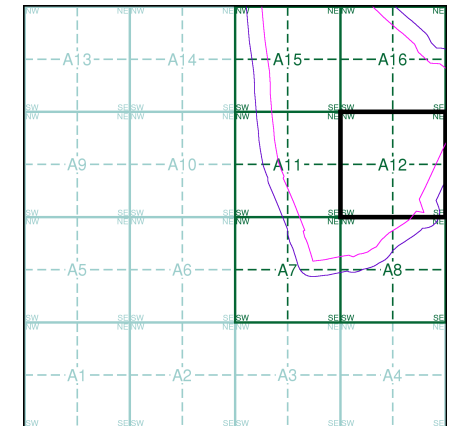
Source map scale - 1:2,500

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

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



### Historical Map - Segment A12



### Order Details

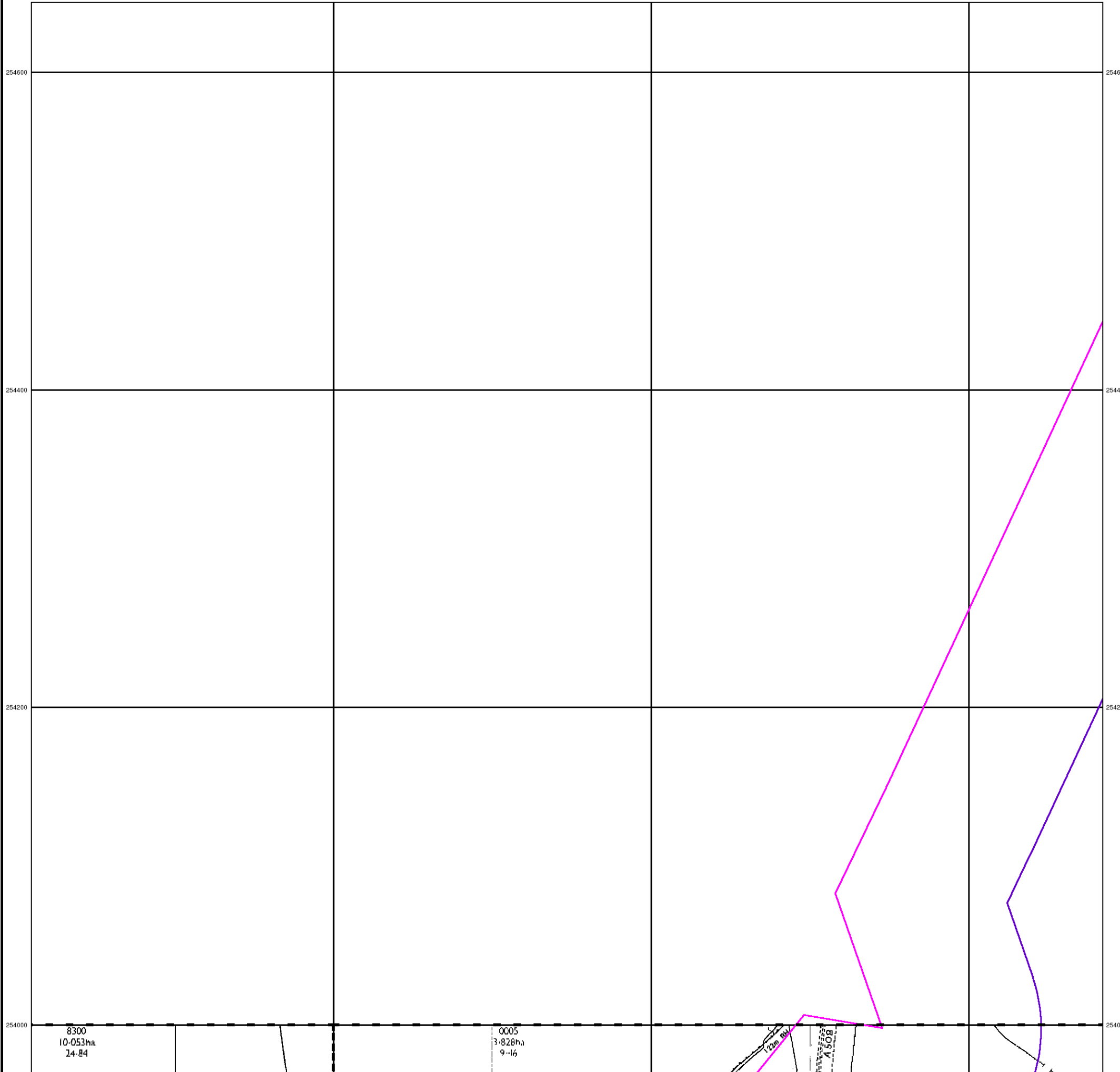
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



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



## Large-Scale National Grid Data

Published 1993

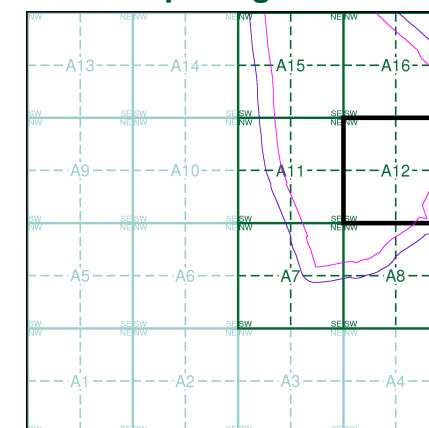
Source map scale - 1:2,500

'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)

SP7454 1993 1:2,500	SP7554 1993 1:2,500
SP7453 1993 1:2,500	SP7553 1993 1:2,500

### Historical Map - Segment A12

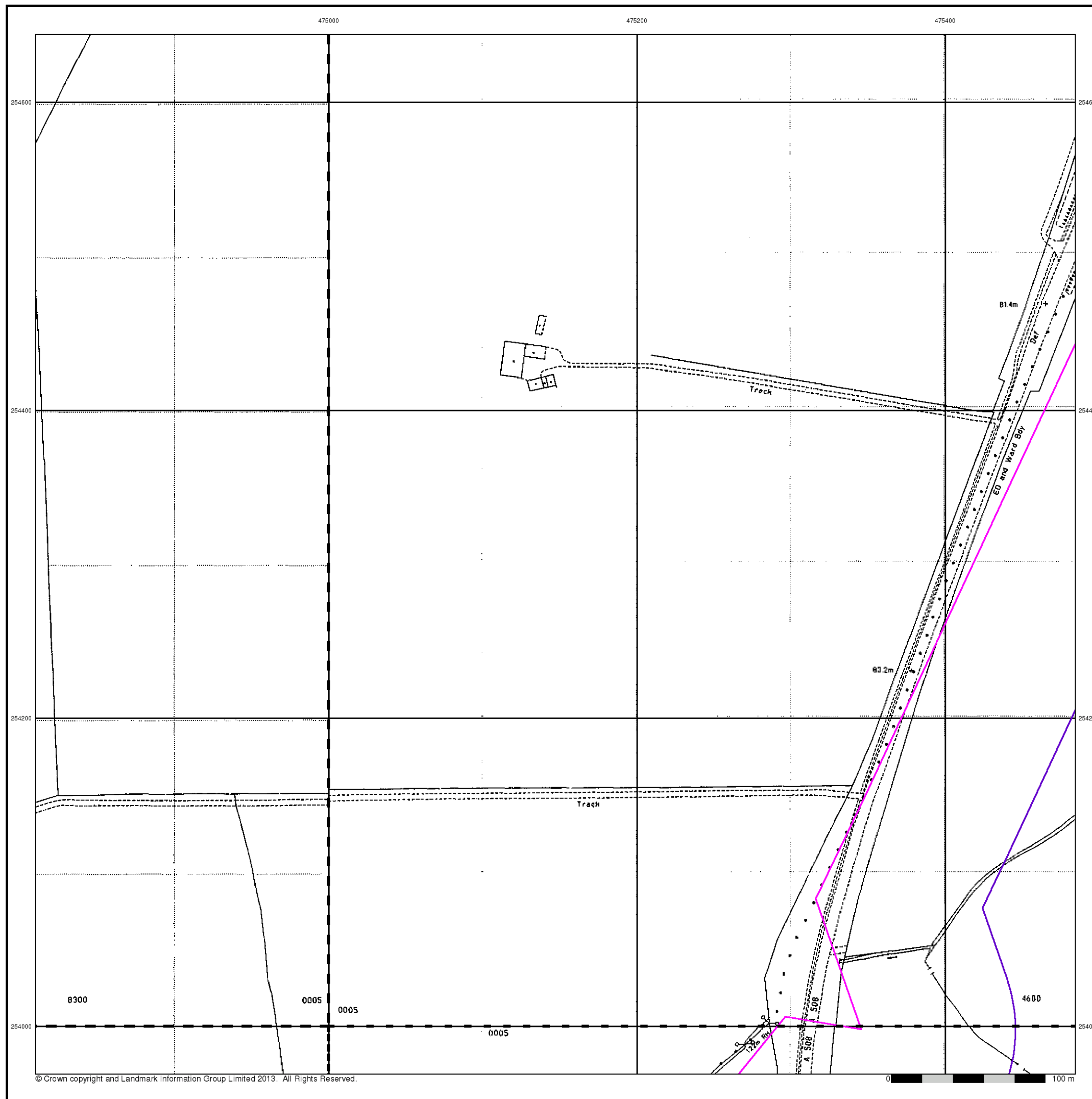


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



# 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

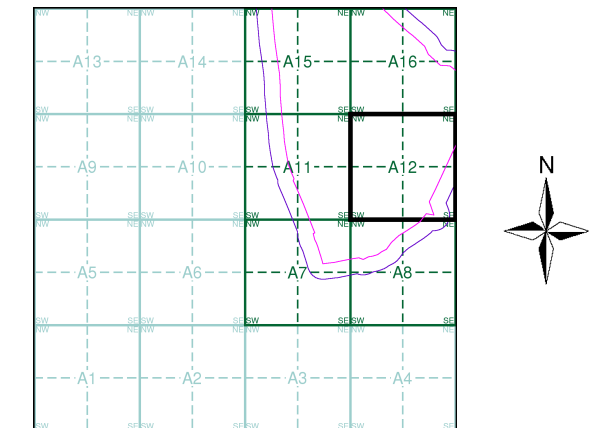
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard 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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1966 - 1967	4
Additional SIMs	1:2,500	1966 - 1986	5
Ordnance Survey Plan	1:2,500	1980	6
Additional SIMs	1:2,500	1986 - 1987	7
Large-Scale National Grid Data	1:2,500	1993	8

## Historical Map - Segment A12



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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 Web: www.envirocheck.co.uk

## Northamptonshire

Published 1885

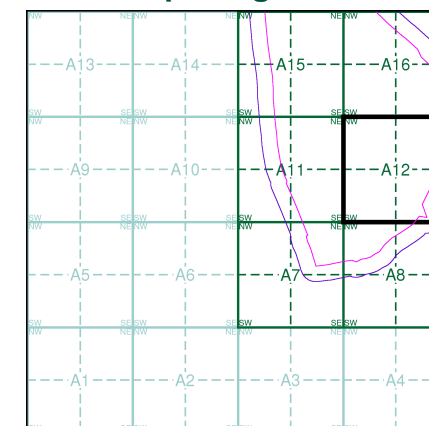
Source map scale - 1:2,500

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)

052_05
1885
1:2,500
052_09
1885
1:2,500

### Historical Map - Segment A12

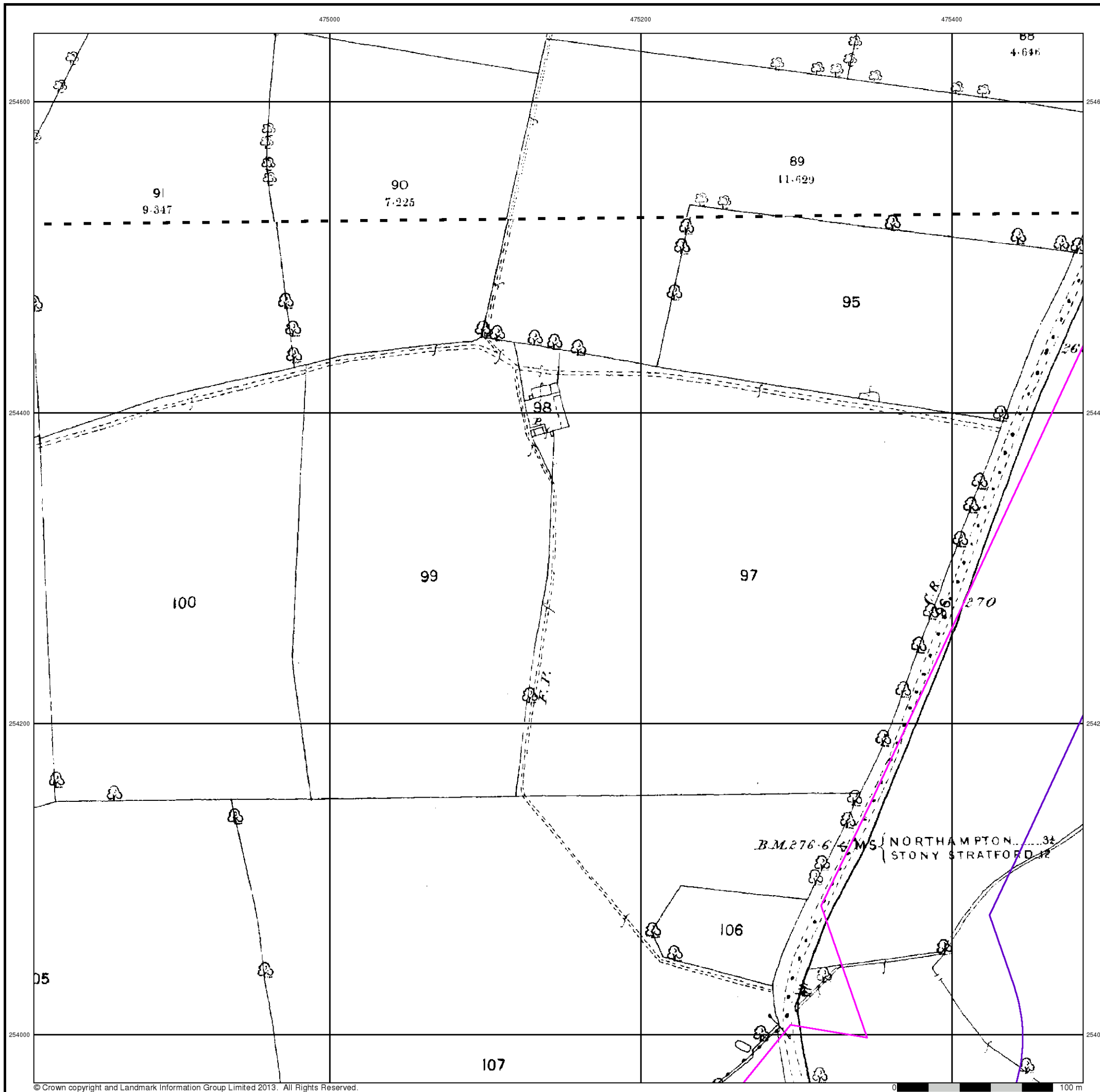


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1900

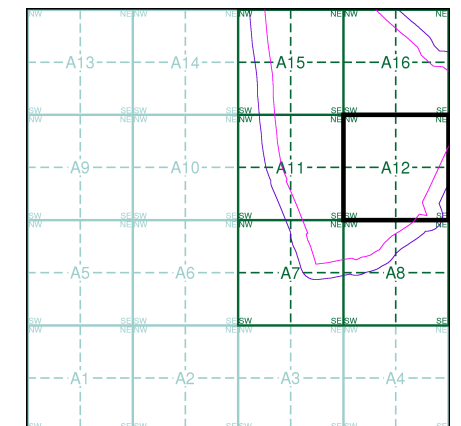
Source map scale - 1:2,500

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)

052_05	1900	1:2,500
052_09	1900	1:2,500

### Historical Map - Segment A12

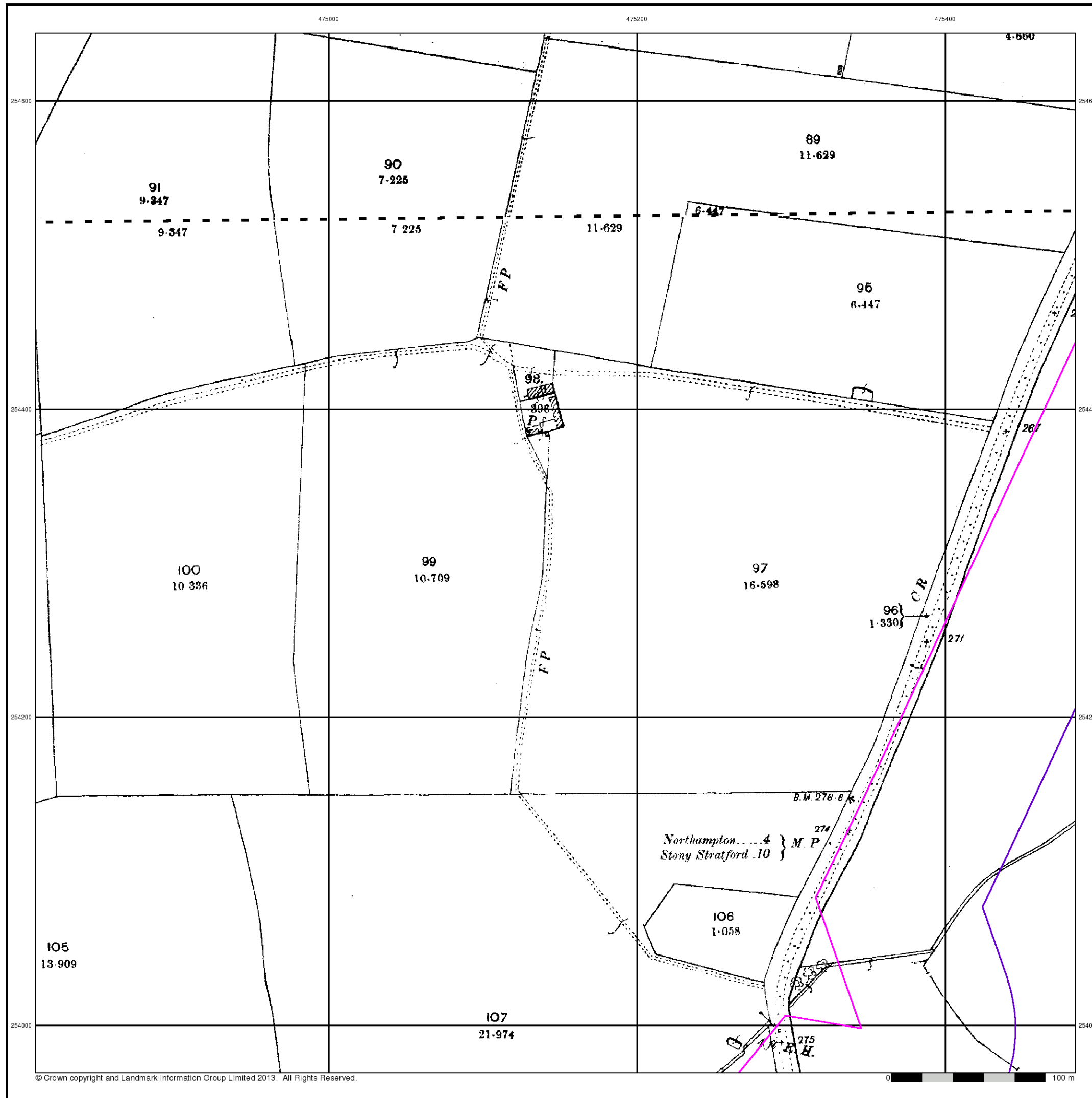


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1966 - 1967

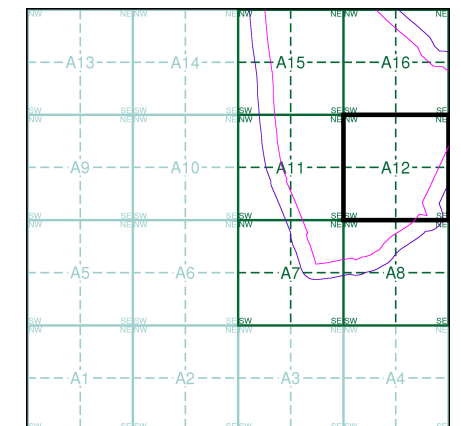
Source map scale - 1:2,500

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)

SP7454 1966 1:2,500	SP7554 1966 1:2,500
SP7453 1967 1:2,500	SP7553 1967 1:2,500

### Historical Map - Segment A12

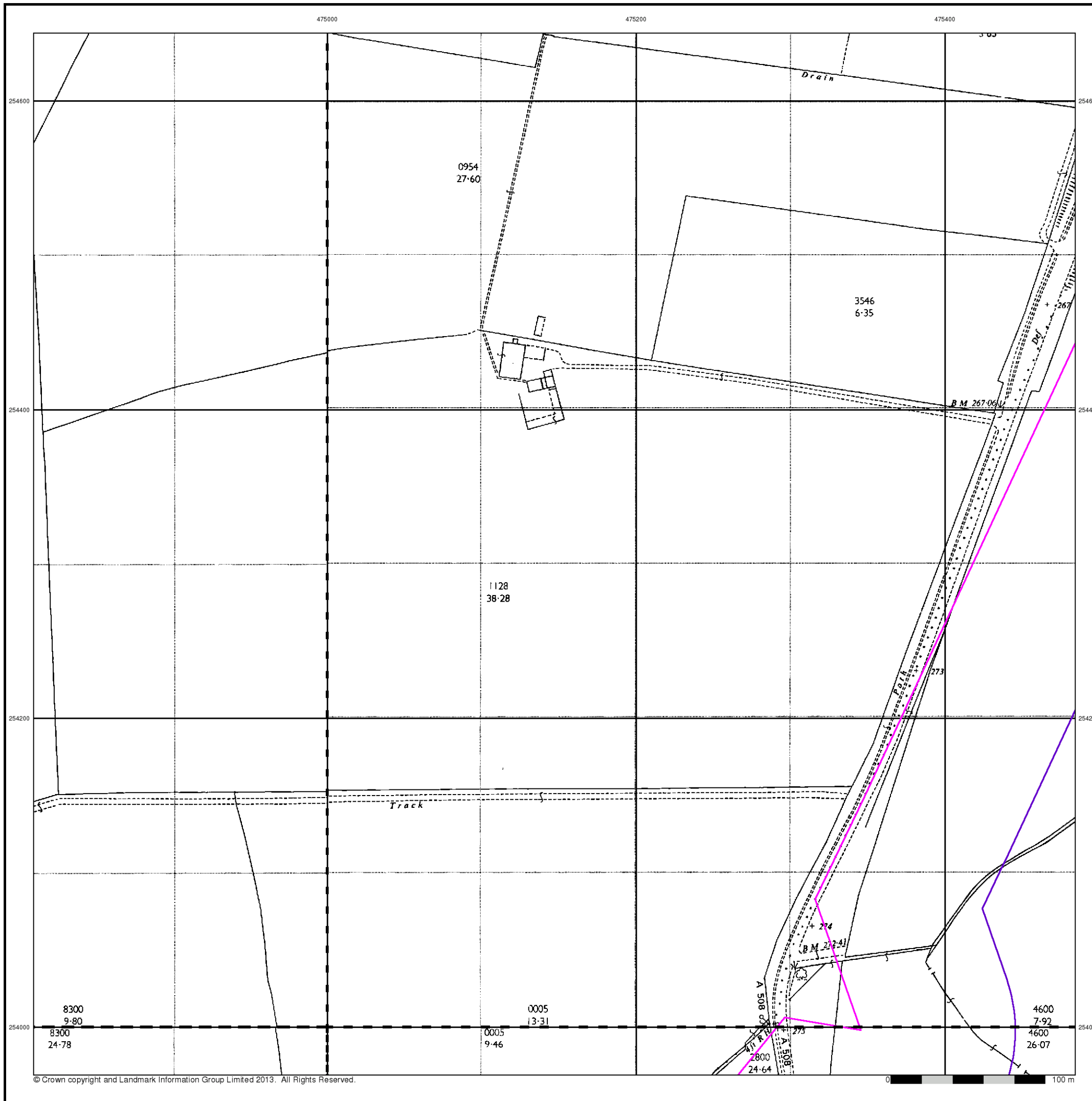


### Order Details

Order Number: 59121721\_1\_1  
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 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



### Additional SIMs

Published 1966 - 1986

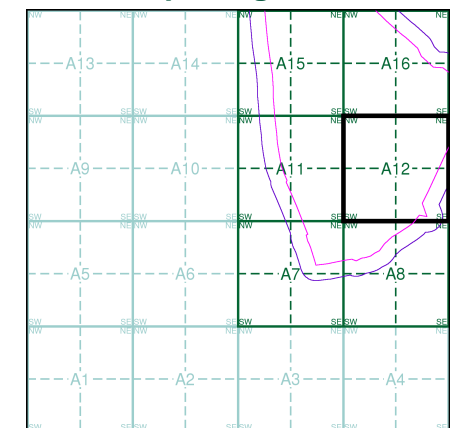
Source map scale - 1:2,500

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

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

SP7454 1966 1:2,500	
SP7453 1986 1:2,500	SP7553 1987 1:2,500

### Historical Map - Segment A12

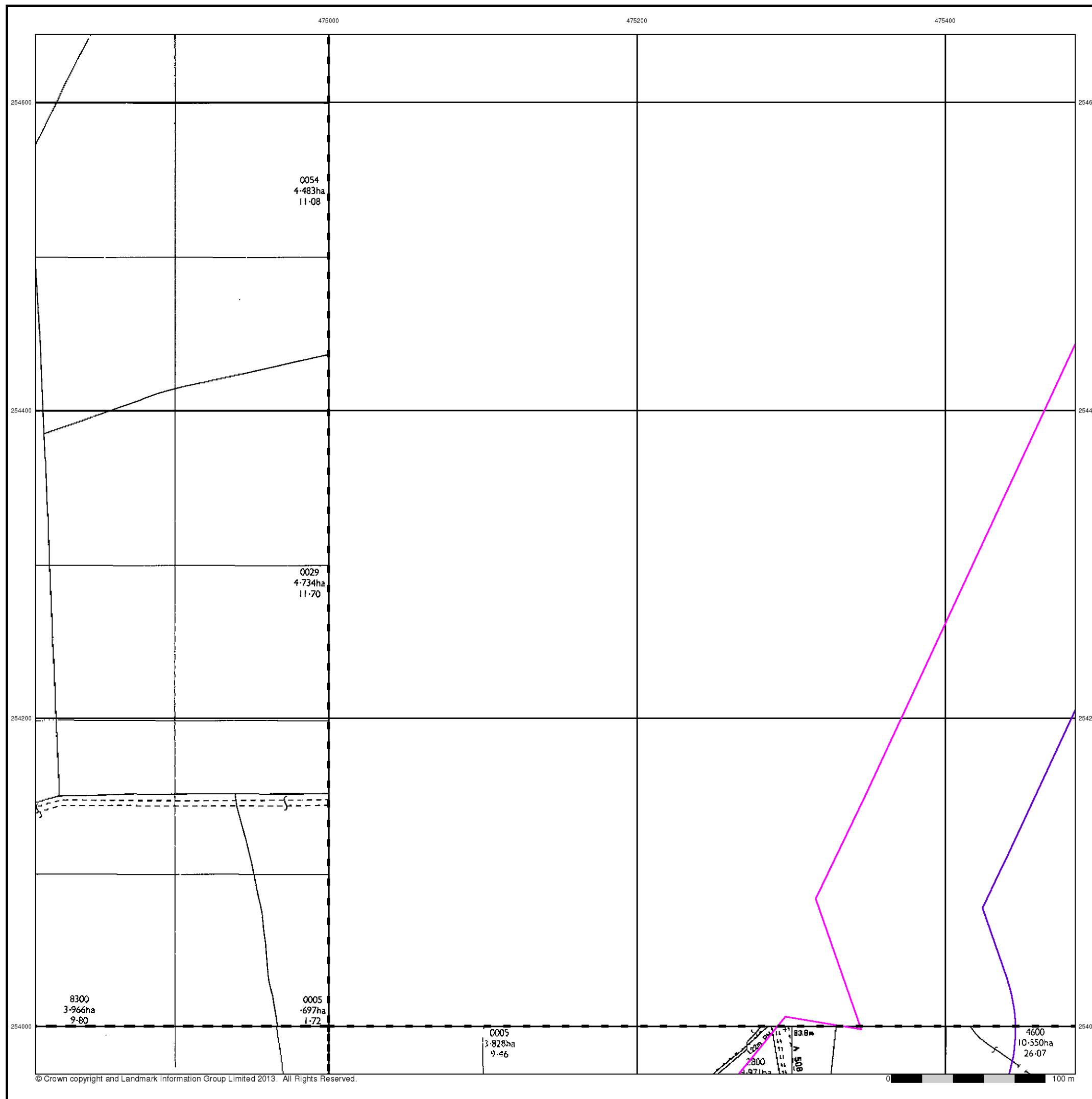


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



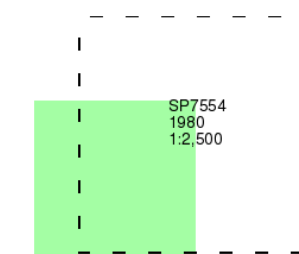
## Ordnance Survey Plan

Published 1980

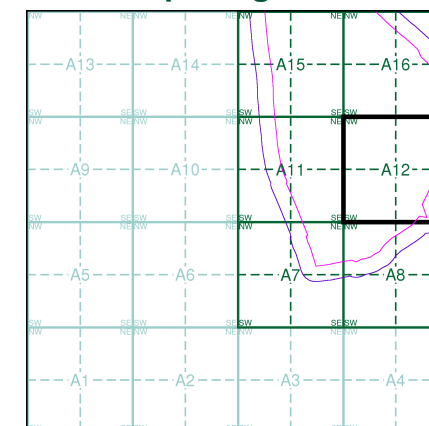
Source map scale - 1:2,500

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



### Historical Map - Segment A12



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
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 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON





475000

475200

475400



### Additional SIMs

Published 1986 - 1987

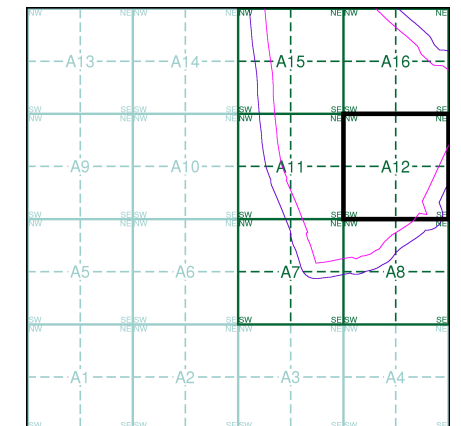
Source map scale - 1:2,500

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

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



### Historical Map - Segment A12



### Order Details

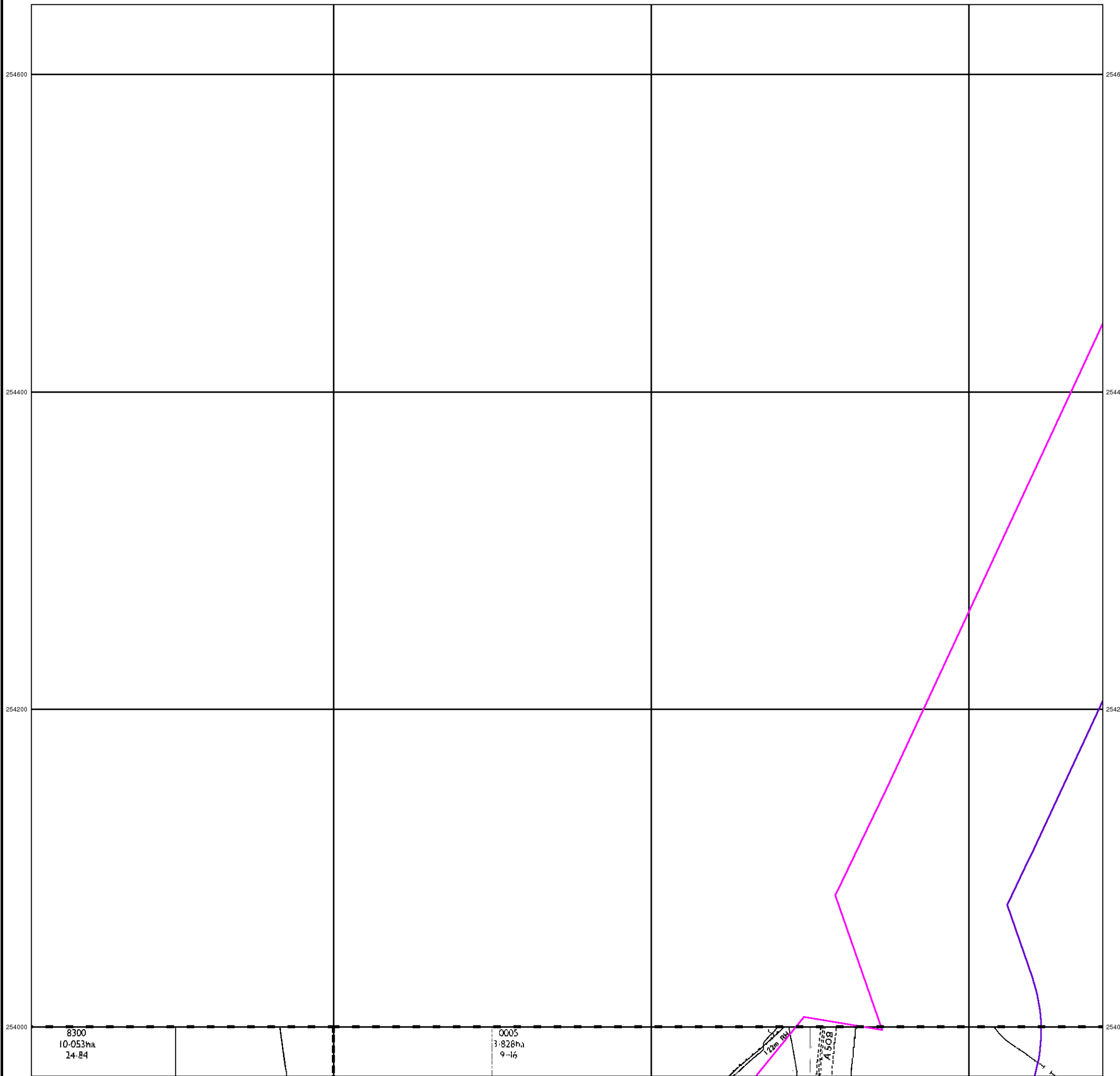
Order Number: 59121721\_1\_1  
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 Slice: A  
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### Site Details

M1 Junction 15, NORTHAMPTON



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



8300  
 10-053ha  
 14-84

0005  
 3-828ha  
 9-16

## Large-Scale National Grid Data

Published 1993

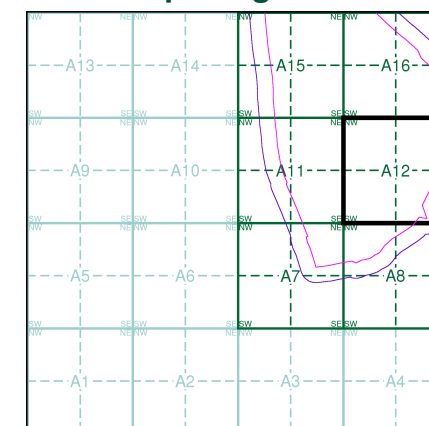
Source map scale - 1:2,500

'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)

SP7454 1993 1:2,500	SP7554 1993 1:2,500
SP7453 1993 1:2,500	SP7553 1993 1:2,500

### Historical Map - Segment A12

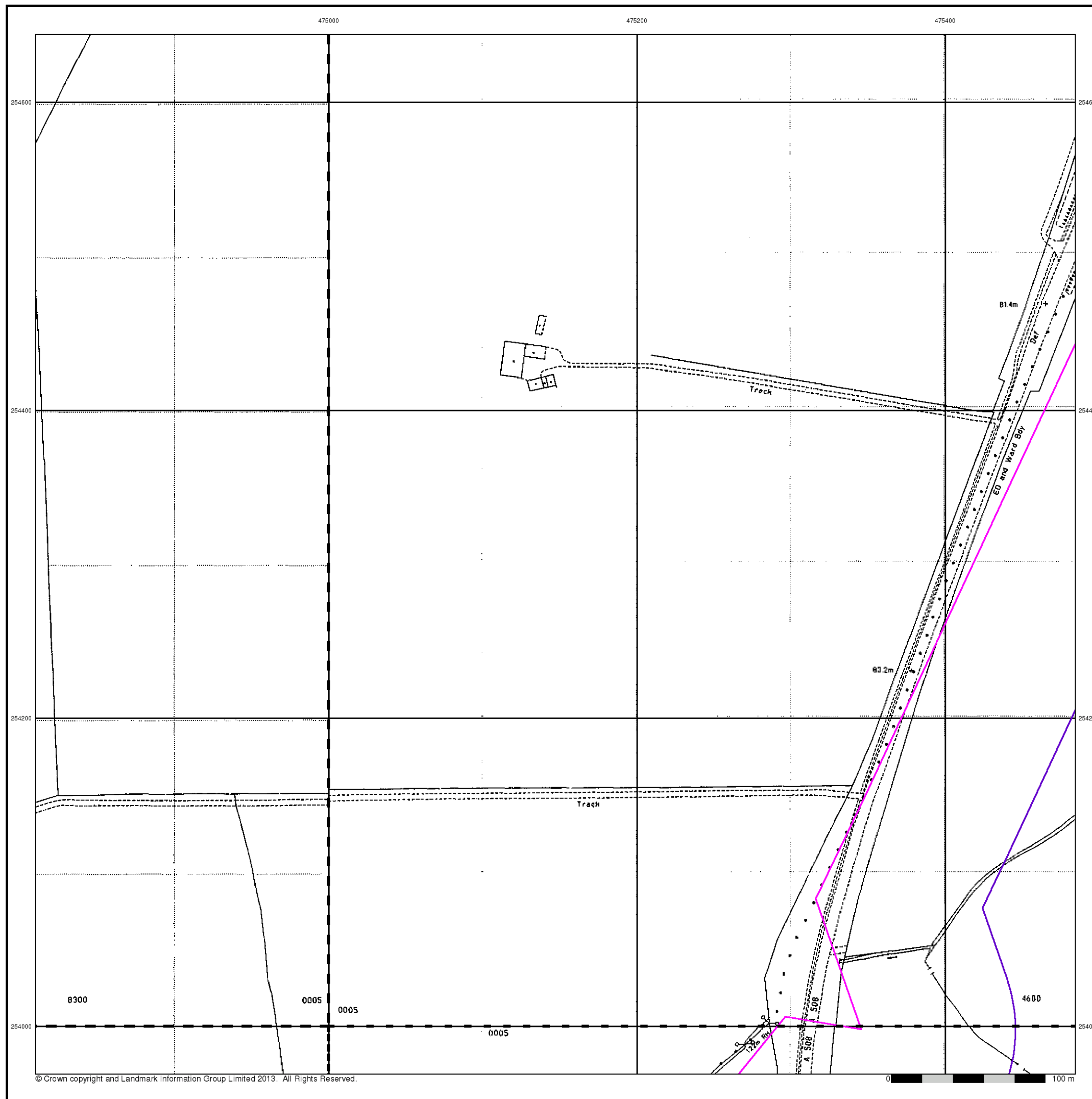


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



# 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      507      Altitude at Trig. Station  
 B.M. 325.9      Bench Mark      342      Surface Level  
 Arrow denotes flow of water      Antiquities (site of)

Cutting      Embankment  
 Railway crossing Road      Level Crossing      Road crossing Railway  
 Railway crossing River or Canal      Road over single stream      Road over River or Canal

----- County Boundary (Geographical)  
 - - - - - County & Civil Parish Boundary  
 + + + + + Administrative County & Civil Parish Boundary  
 ----- County Borough Boundary (England)  
 Co. Boro. Bdy.  
 ----- County Burgh Boundary (Scotland)  
 Co. Burgh Bdy.

**B.P.** 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.** 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  
 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  
 Cave Entrance      Triangulation Station      Electricity Pylon

**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  
 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)

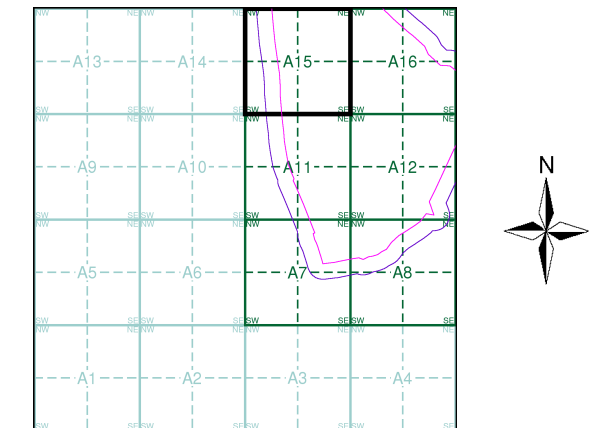
**Bks** Barracks      **P** Pillar, Pole or Post  
**Bty** Battery      **PO** Post Office  
**Cemy** Cemetery      **PC** Public Convenience  
**Chy** Chimney      **Pp** Pump  
**Cis** Cistern      **Ppg Sta** Pumping Station  
**Dismtd Rly** Dismantled Railway      **PW** Place of Worship  
**EI Gen 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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1965 - 1966	4
Additional SIMs	1:2,500	1966	5
Ordnance Survey Plan	1:2,500	1977	6
Large-Scale National Grid Data	1:2,500	1993	7

## Historical Map - Segment A15



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON

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

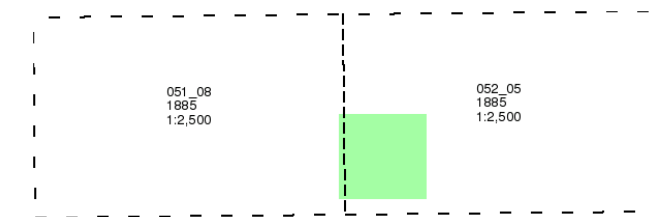
## Northamptonshire

Published 1885

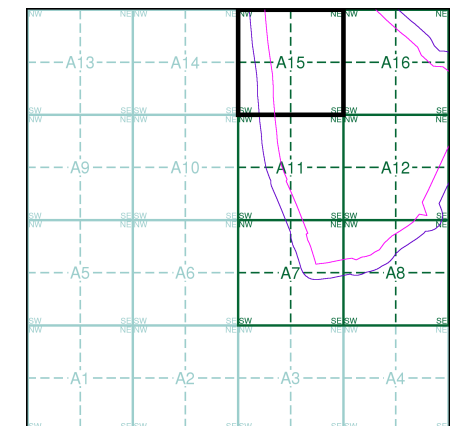
Source map scale - 1:2,500

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

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



### Historical Map - Segment A15

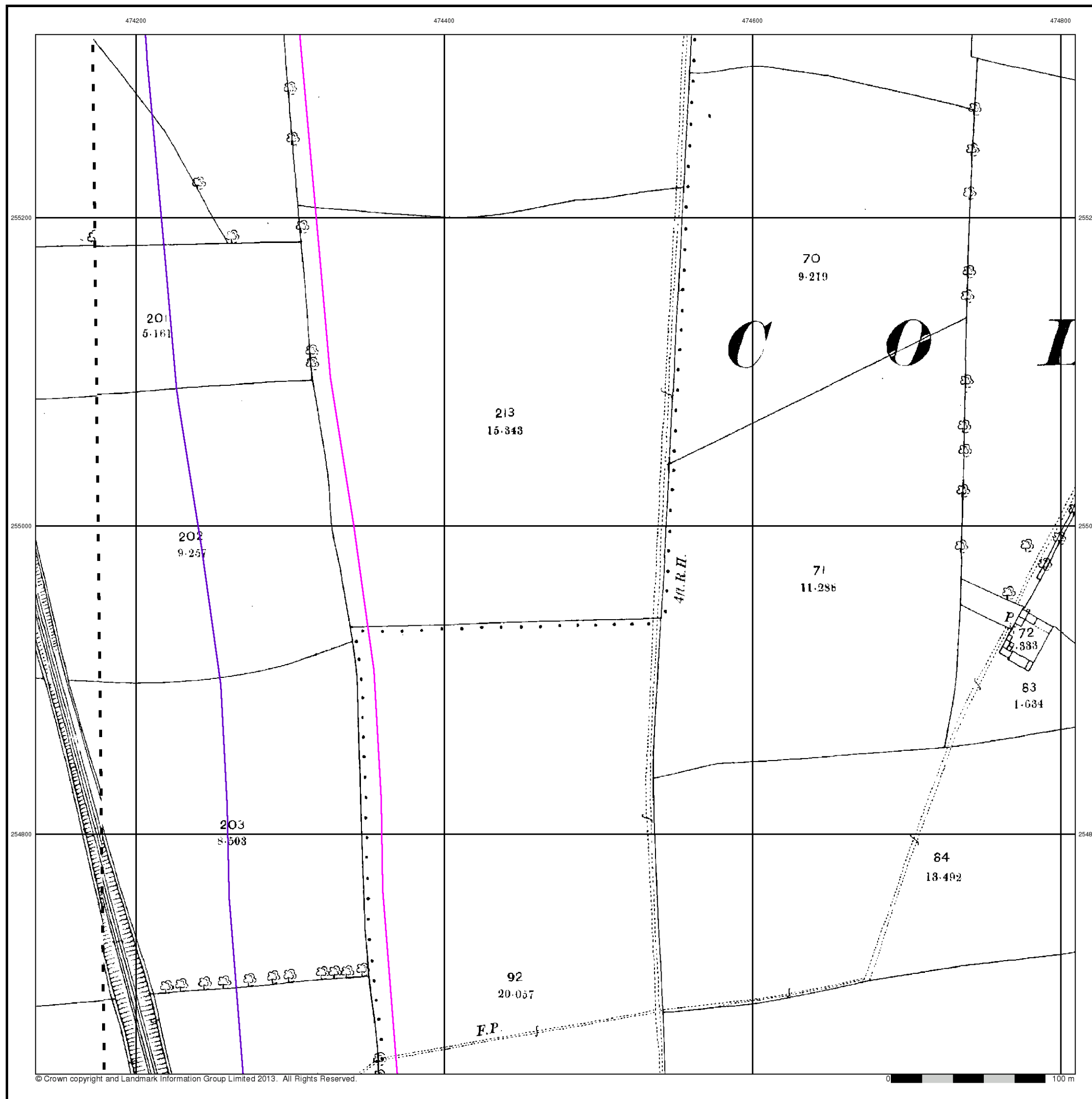


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



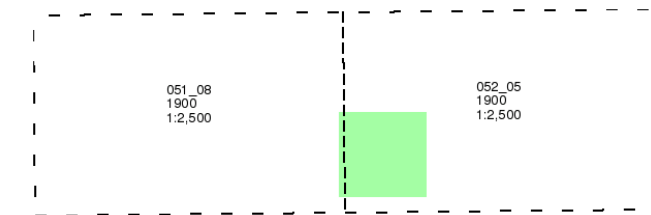
## Northamptonshire

Published 1900

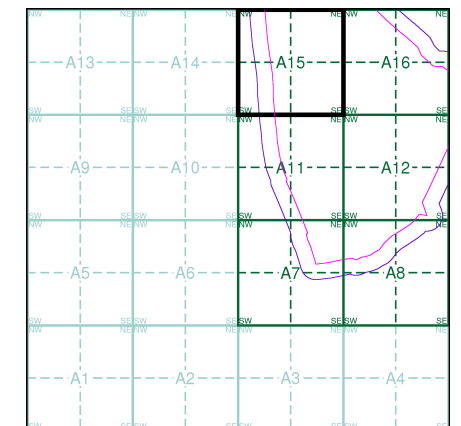
Source map scale - 1:2,500

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

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



### Historical Map - Segment A15

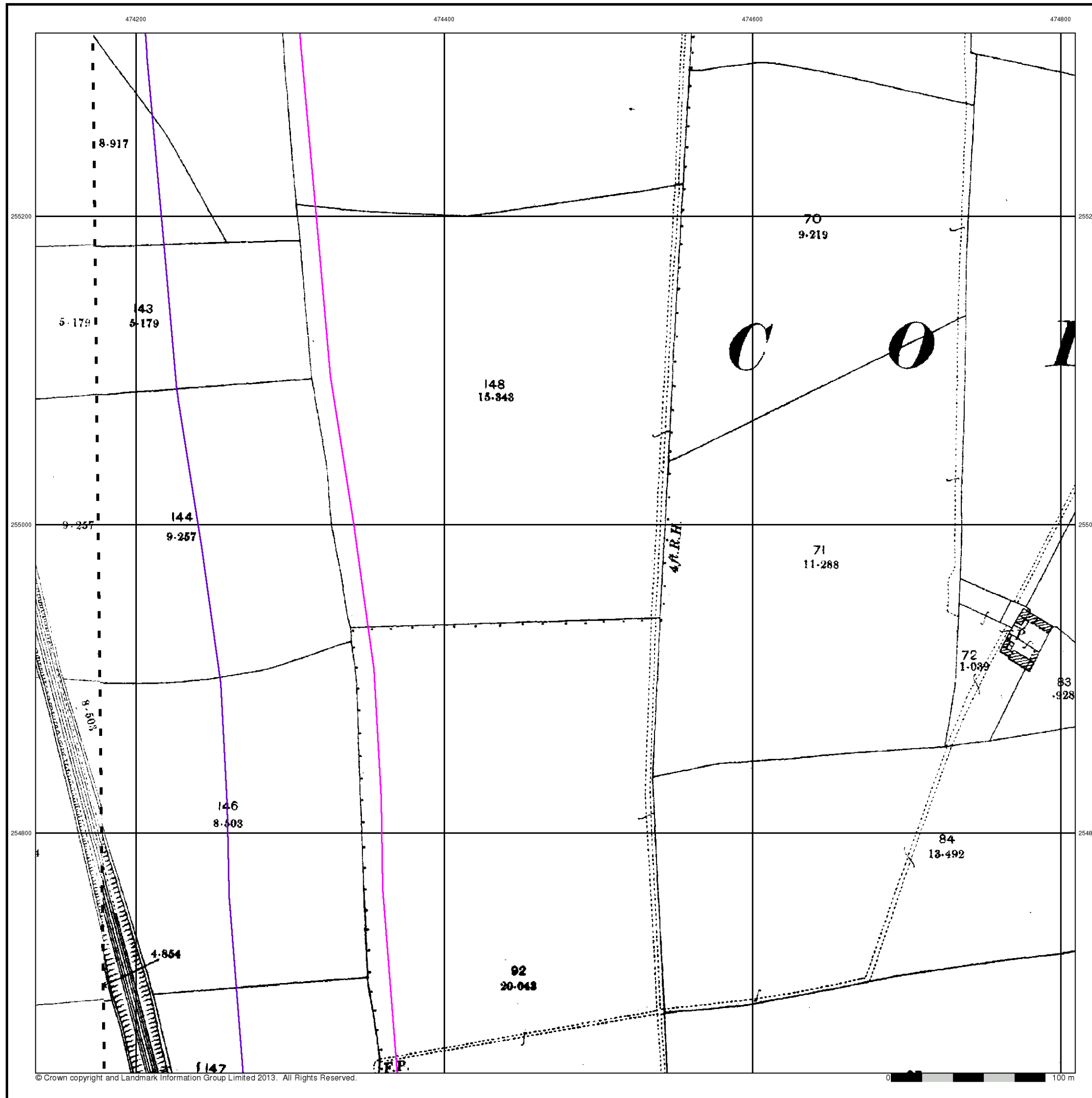


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



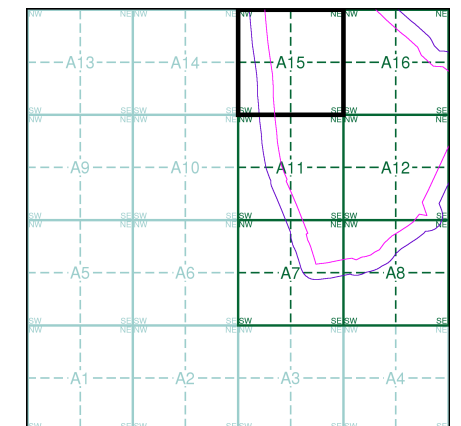
**Ordnance Survey Plan**  
**Published 1965 - 1966**  
**Source map scale - 1:2,500**

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)**

SP7455	1965	1:2,500
SP7454	1966	1:2,500

**Historical Map - Segment A15**



**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

**Site Details**

M1 Junction 15, NORTHAMPTON



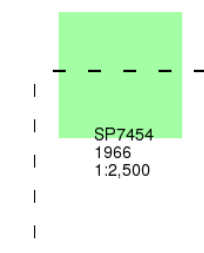
### Additional SIMs

Published 1966

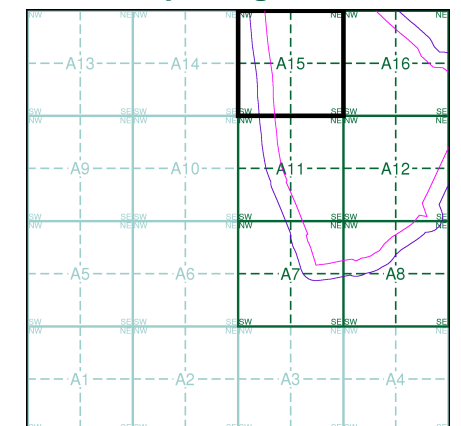
Source map scale - 1:2,500

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

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



### Historical Map - Segment A15

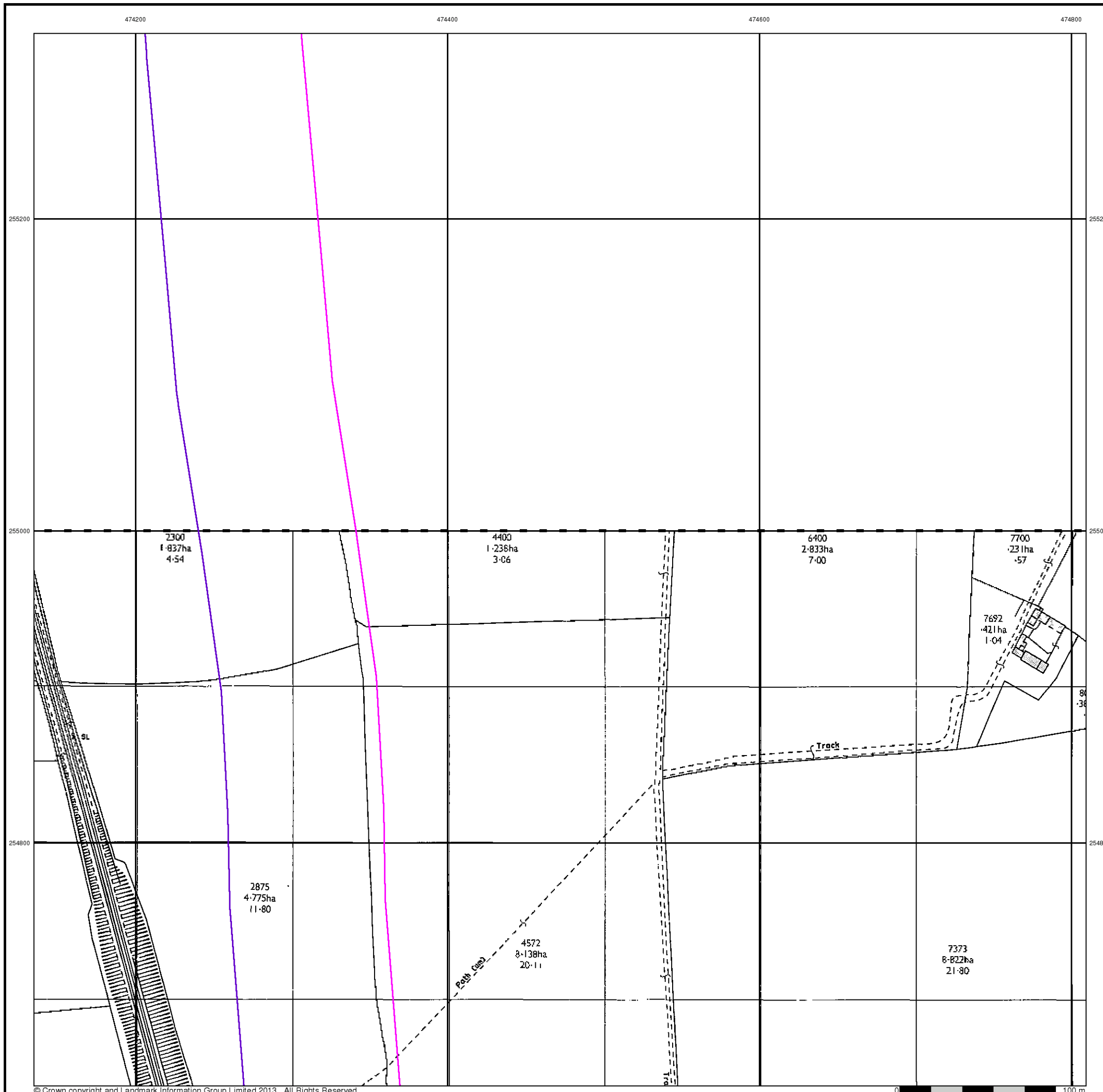


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



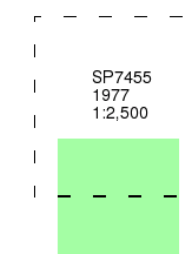
### Ordnance Survey Plan

Published 1977

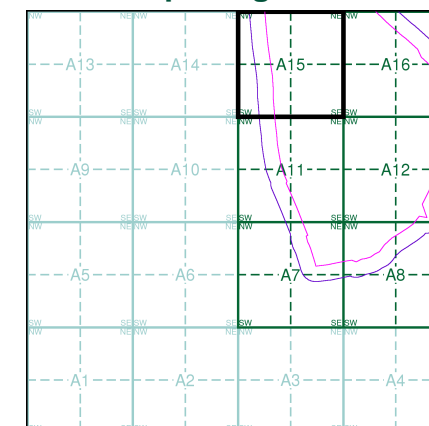
Source map scale - 1:2,500

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

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



### Historical Map - Segment A15

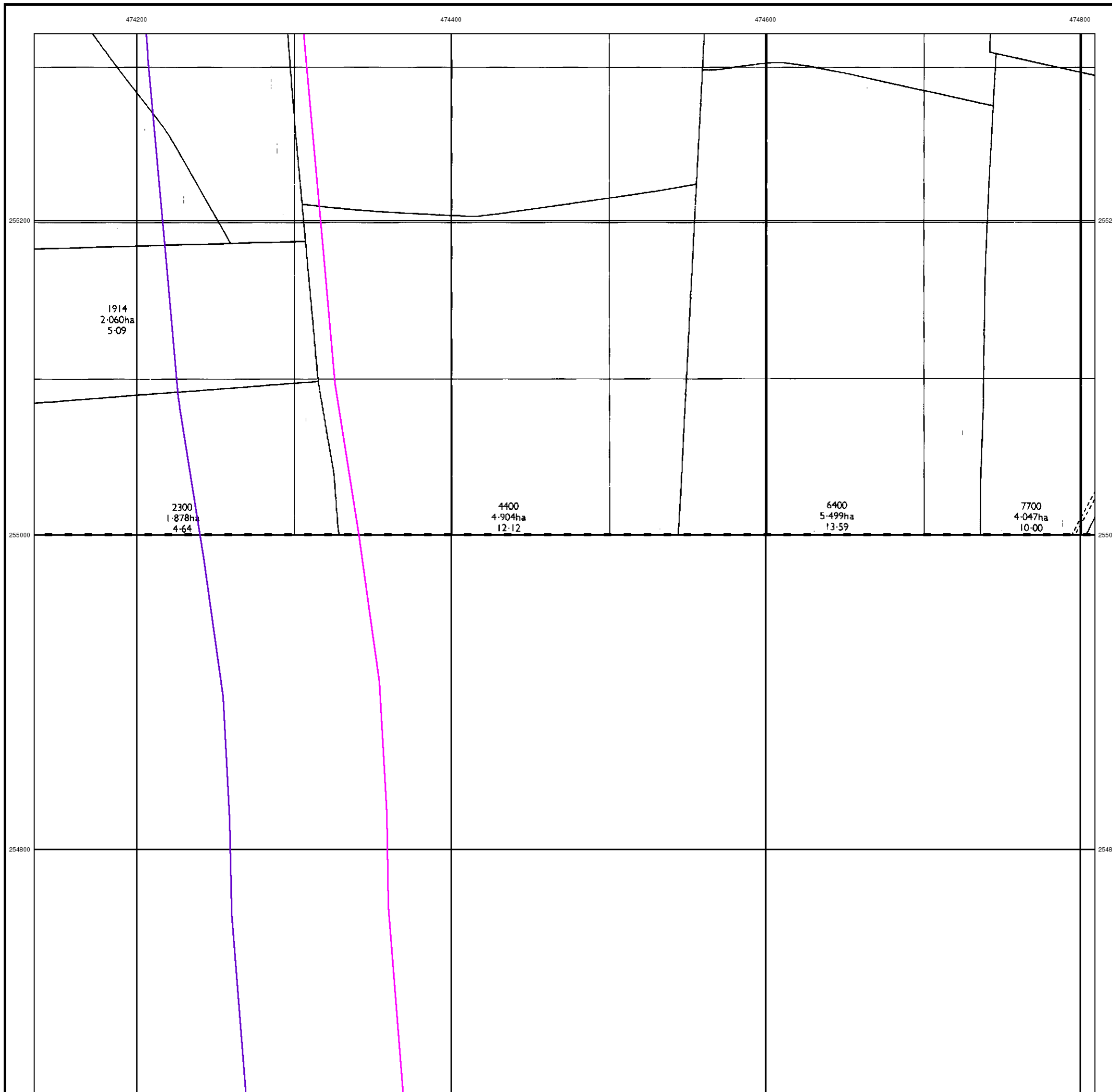


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON





## Large-Scale National Grid Data

Published 1993

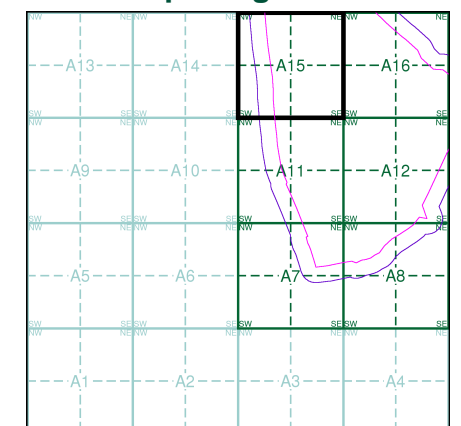
Source map scale - 1:2,500

'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)

SP7455	1993	1:2,500
SP7454	1993	1:2,500

### Historical Map - Segment A15

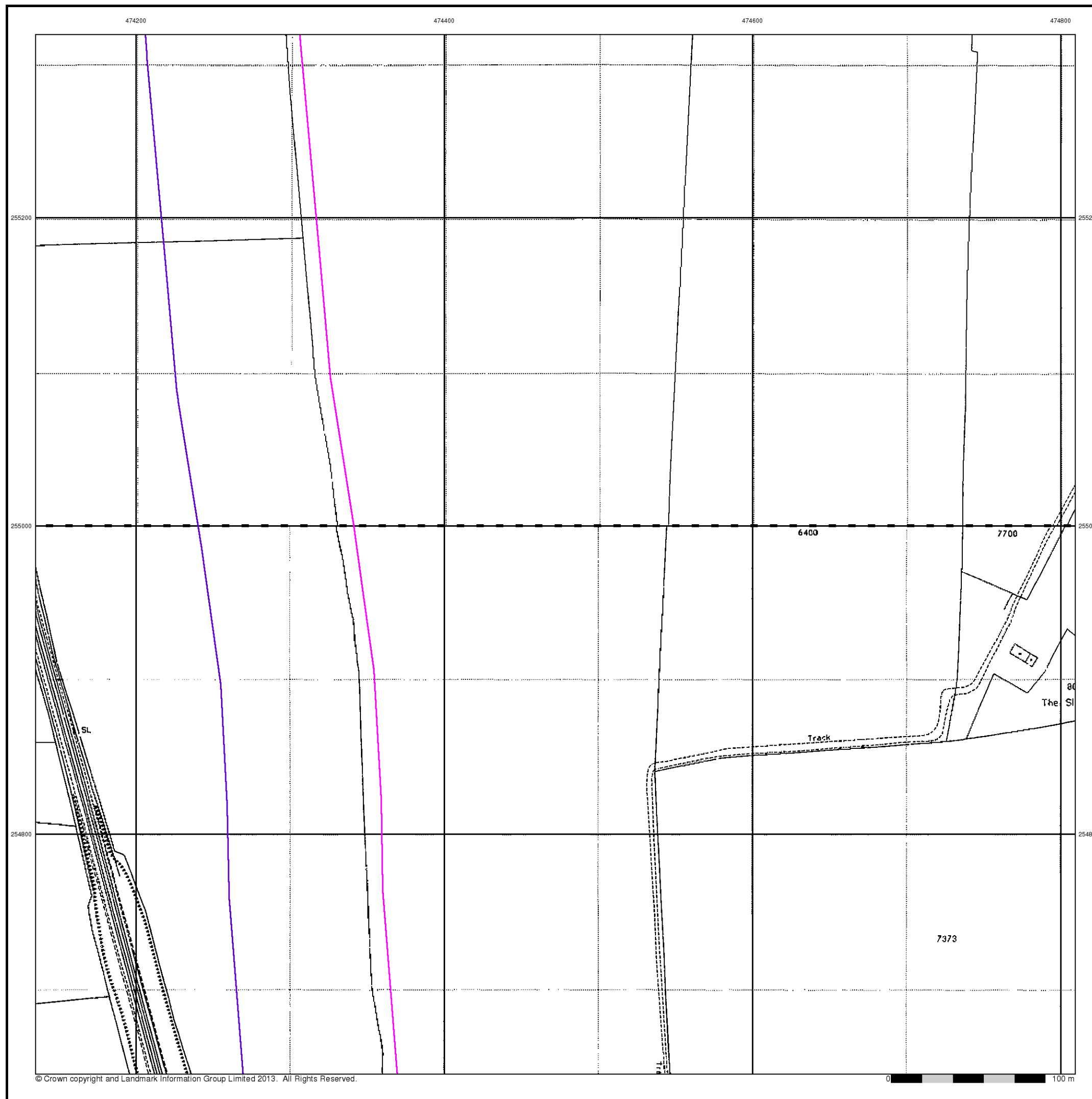


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



# 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

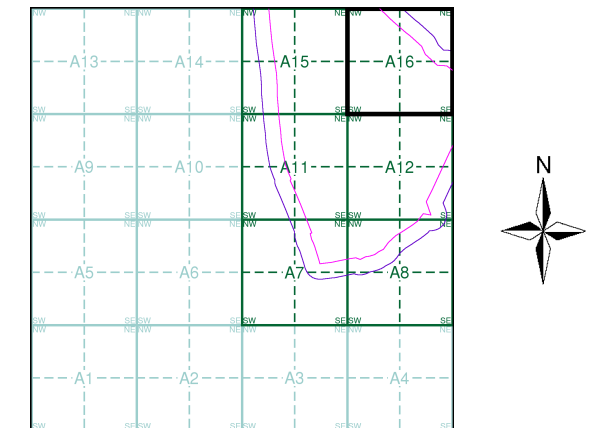
**Cliff** **Slopes** **Top**  
**Rock** **Rock (scattered)**  
**Boulders** **Boulders (scattered)**  
**Positioned Boulder** **Scree**  
**Non-Coniferous Tree (surveyed)** **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)** **Coniferous Trees (not surveyed)**  
**Orchard Tree** **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**  
**BM 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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1965 - 1966	4
Additional SIMs	1:2,500	1966	5
Ordnance Survey Plan	1:2,500	1977 - 1980	6
Large-Scale National Grid Data	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1996	8

## Historical Map - Segment A16



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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

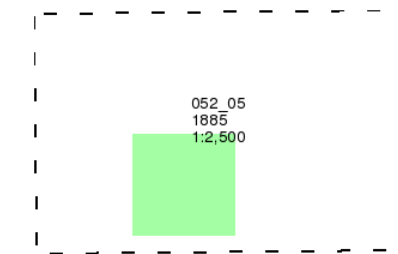
## Northamptonshire

Published 1885

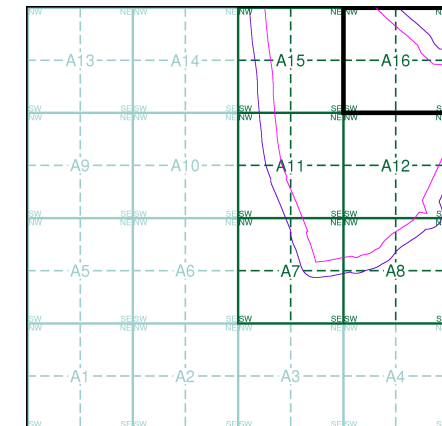
Source map scale - 1:2,500

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

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



### Historical Map - Segment A16

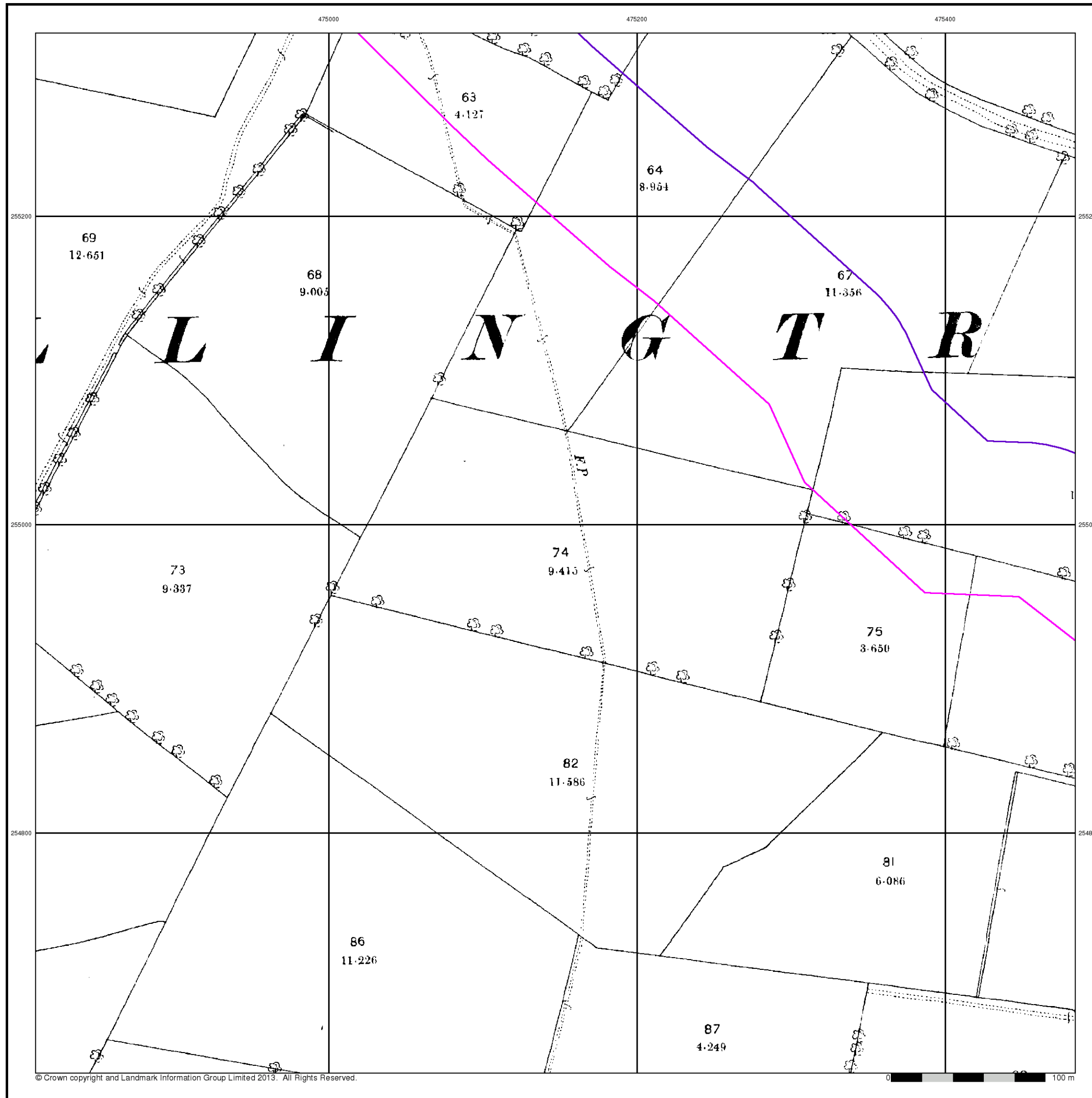


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Order Number: 59121721\_1\_1  
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 National Grid Reference: 474500, 254110  
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 Site Area (Ha): 172.72  
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### Site Details

M1 Junction 15, NORTHAMPTON



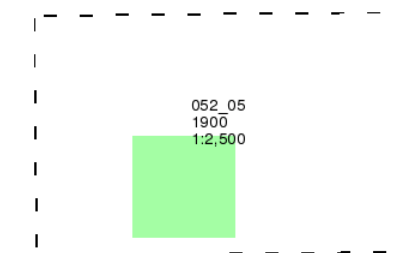
## Northamptonshire

Published 1900

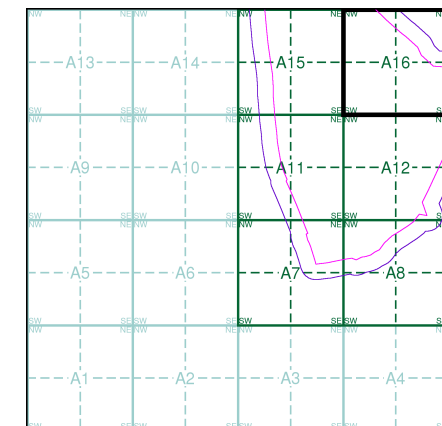
Source map scale - 1:2,500

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

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



### Historical Map - Segment A16

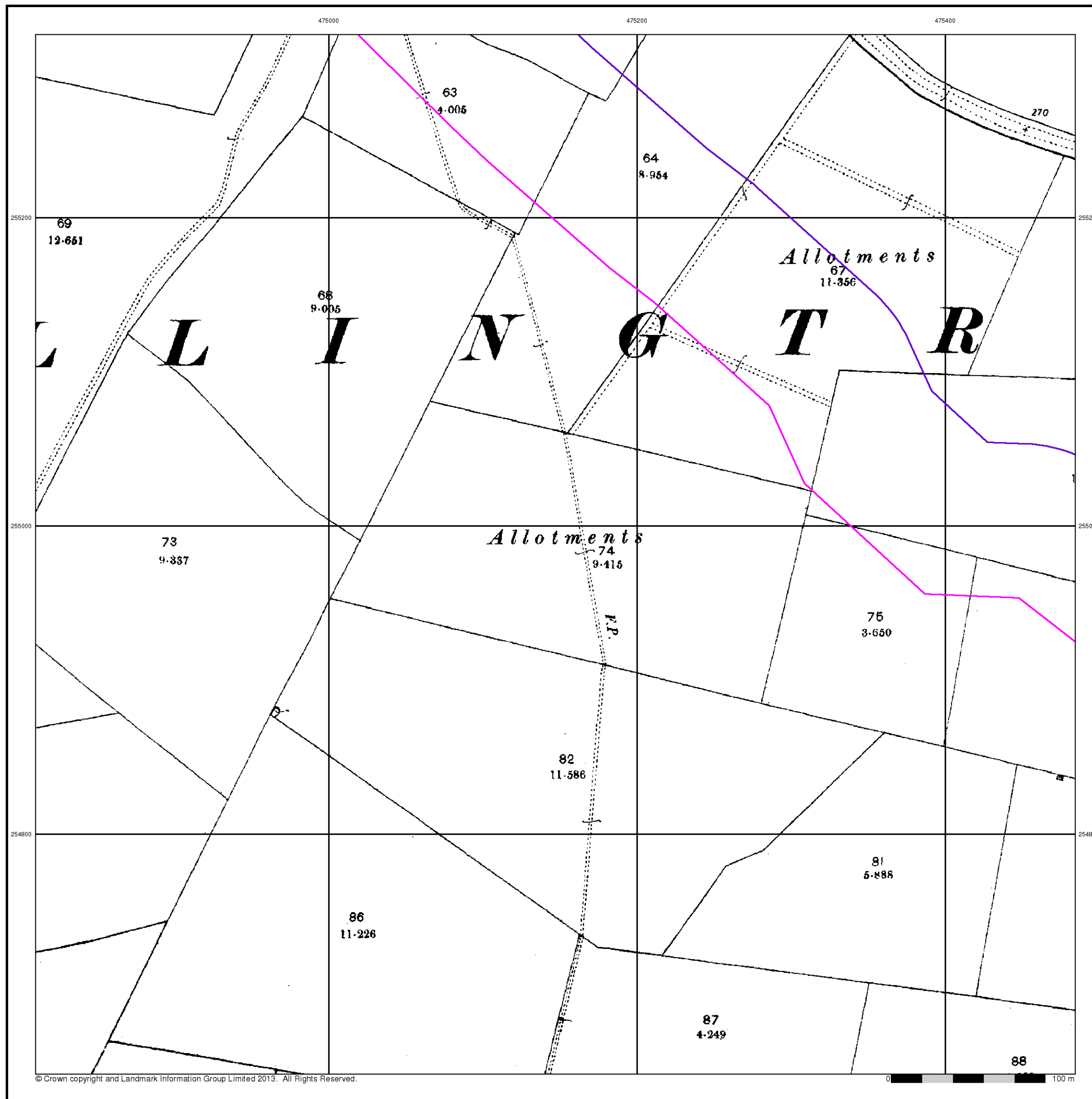


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



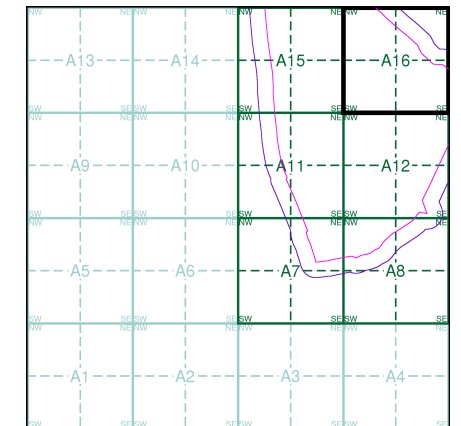
**Ordnance Survey Plan**  
**Published 1965 - 1966**  
**Source map scale - 1:2,500**

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)**

SP7455 1965 12,500	SP7555 1965 12,500
SP7454 1966 12,500	SP7554 1966 12,500

**Historical Map - Segment A16**

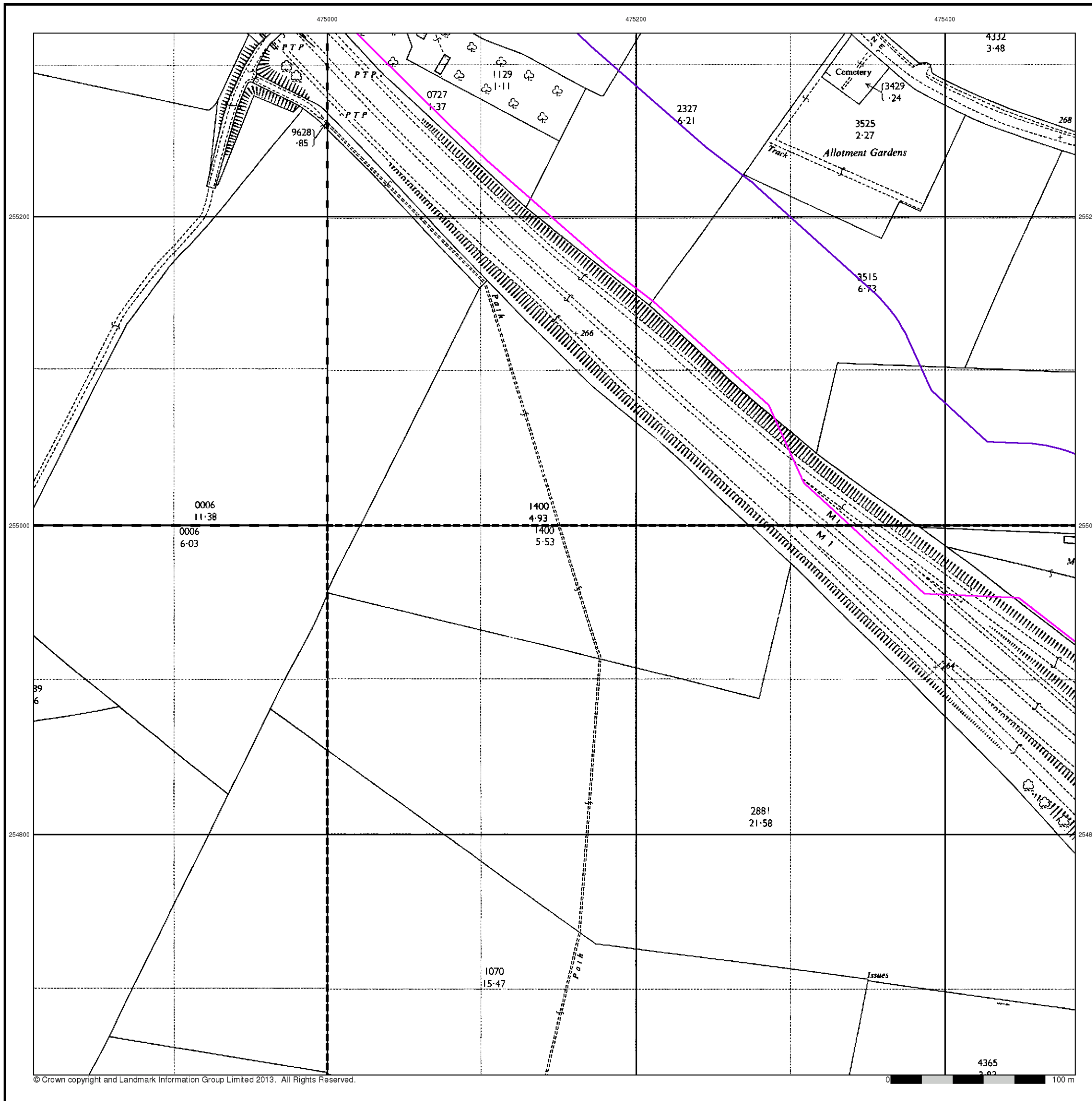


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

**Site Details**

M1 Junction 15, NORTHAMPTON



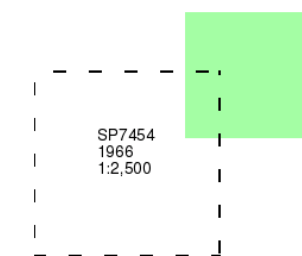
### Additional SIMs

Published 1966

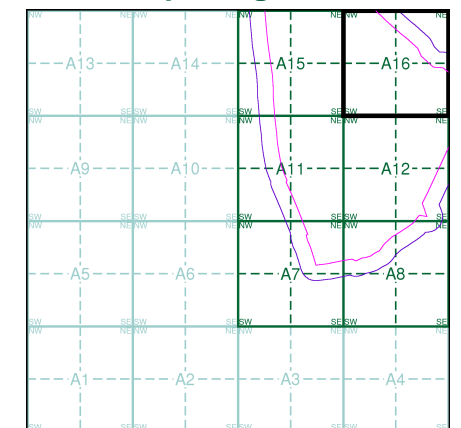
Source map scale - 1:2,500

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

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



### Historical Map - Segment A16

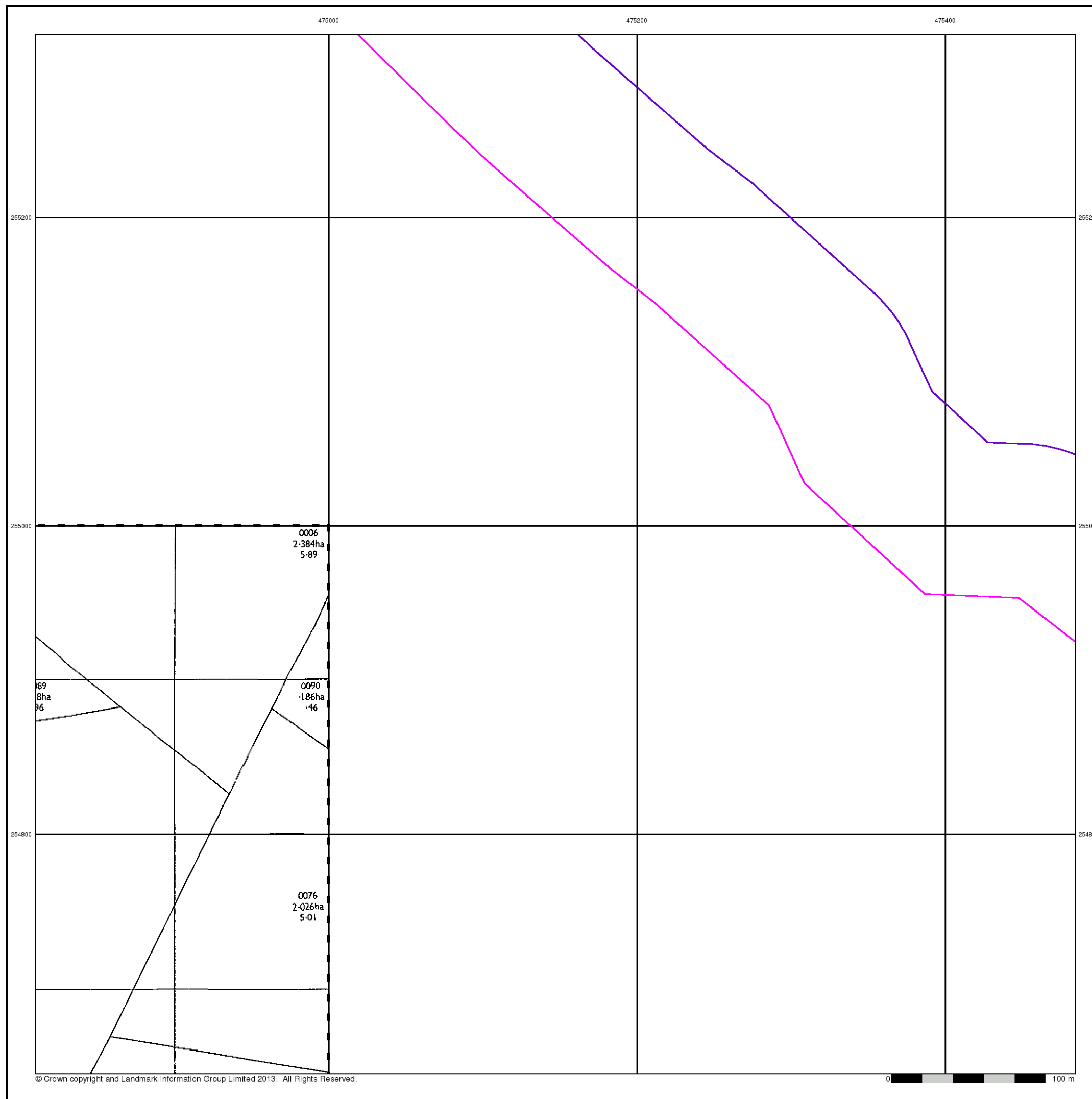


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



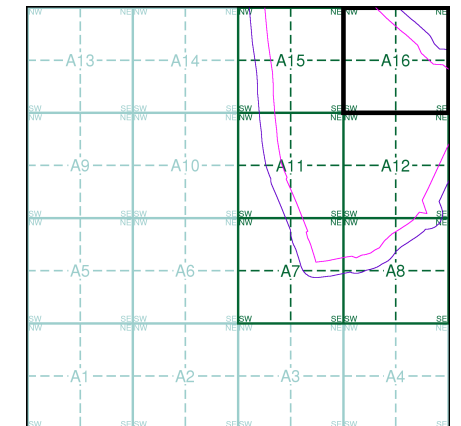
**Ordnance Survey Plan**  
**Published 1977 - 1980**  
**Source map scale - 1:2,500**

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)**

SP7455 1977 1:2,500	SP7555 1977 1:2,500
	SP7554 1980 1:2,500

**Historical Map - Segment A16**

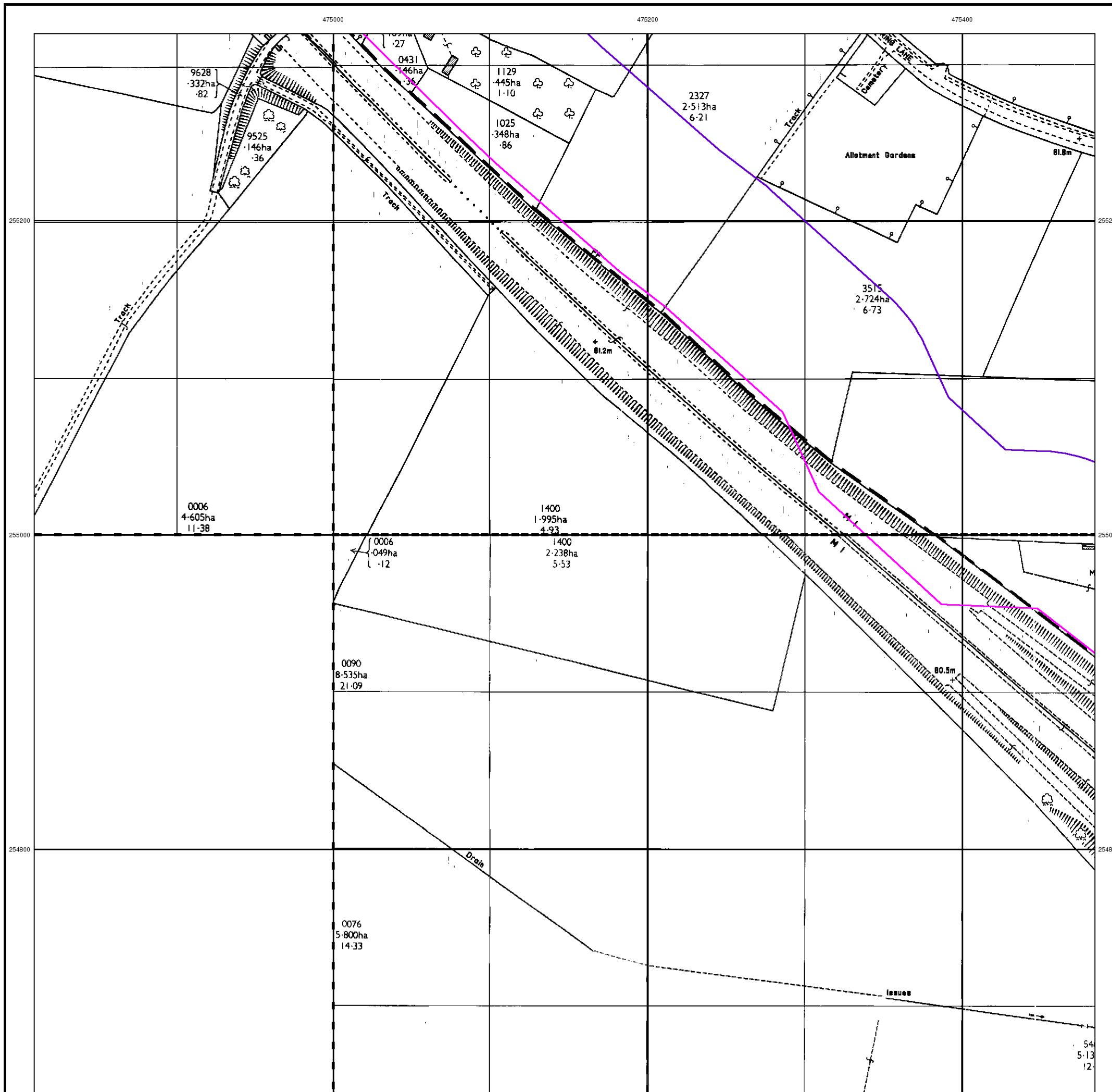


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

**Site Details**

M1 Junction 15, NORTHAMPTON



## Large-Scale National Grid Data

Published 1993

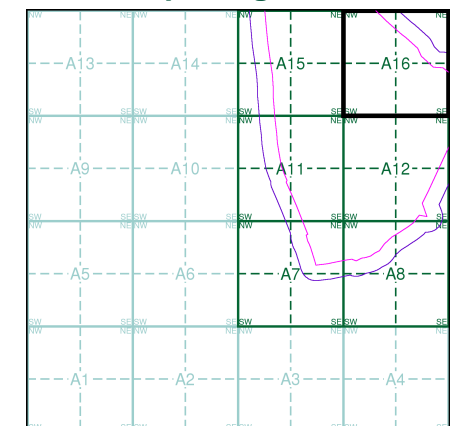
Source map scale - 1:2,500

'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)

SP7455	SP7555
1993	1993
12,500	12,500
SP7454	SP7554
1993	1993
12,500	12,500

### Historical Map - Segment A16



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON





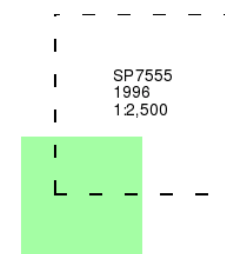
## Large-Scale National Grid Data

Published 1996

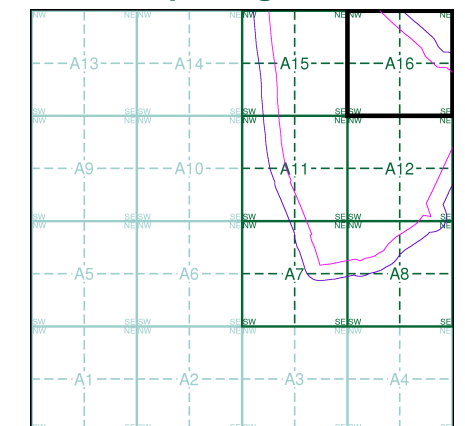
Source map scale - 1:2,500

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

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



### Historical Map - Segment A16

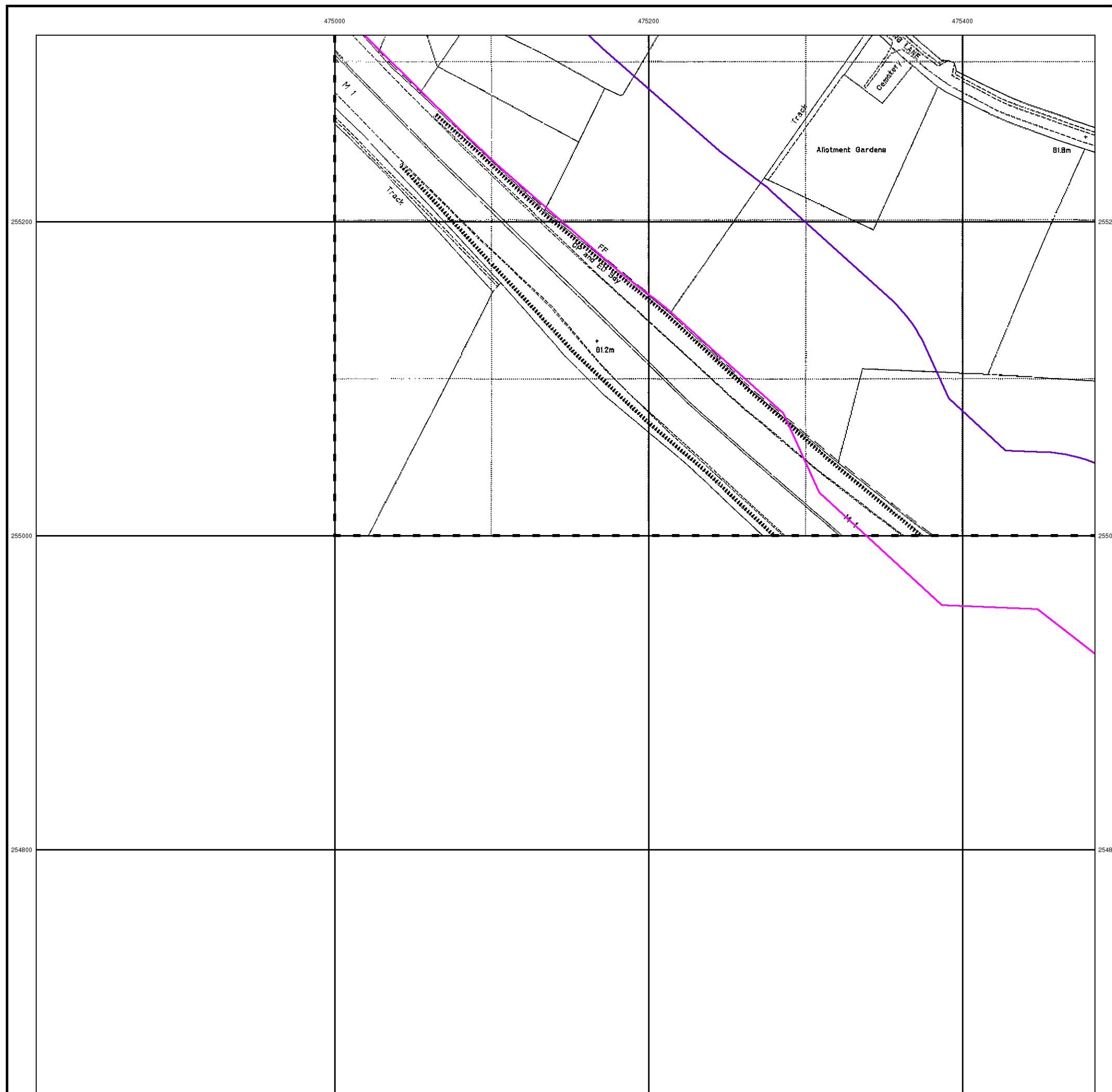


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474500, 254110  
 Slice: A  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100






### Site Details

M1 Junction 15, NORTHAMPTON








# Geology 1:10,000 Maps Legends

## Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene
	TILMP	TILL, MID PLEISTOCENE	Diamicton	Ipswichian - Cromerian
	GFSMP	Glaciofluvial Sheet Deposits, Mid Pleistocene	Sand and Gravel	Ipswichian - Cromerian
	GFDMP	GLACIOFLUVIAL DEPOSITS, MID PLEISTOCENE	Sand and Gravel	Ipswichian - Cromerian
	TUFA	Tufa	Tufa, Calcareous	Quaternary - Ryazanian

## Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WBRO	Wellingborough Limestone Member	Limestone and Mudstone, Interbedded	Bathonian - Bathonian
	BWL	Blisworth Limestone Formation	Limestone	Bathonian - Bathonian
	BWC	Blisworth Clay Formation	Mudstone	Bathonian - Bathonian
	CB	Cornbrash Formation	Limestone	Callovian - Bathonian
	RLD	Rutland Formation	Mudstone	Bathonian - Bajocian
	STAM	Stamford Member	Sandstone and Siltstone, Interbedded	Bathonian - Bajocian
	NS	Northampton Sand Formation	Sandstone, Limestone and Ironstone	Aalenian - Aalenian
	WHM	Whitby Mudstone Formation	Mudstone	Toarcian - Toarcian
	Fault			

## Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

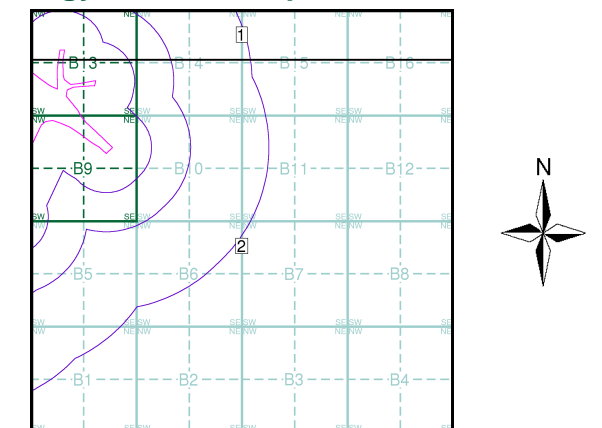
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

## Geology 1:10,000 Maps Coverage

<b>Map ID:</b>	1	<b>Map ID:</b>	2
<b>Map Name:</b>	SP75NE	<b>Map Name:</b>	SP75SE
<b>Map Date:</b>	1961	<b>Map Date:</b>	1961
<b>Bedrock Geology:</b>	Available	<b>Bedrock Geology:</b>	Available
<b>Superficial Geology:</b>	Available	<b>Superficial Geology:</b>	Available
<b>Artificial Geology:</b>	Available	<b>Artificial Geology:</b>	Not Available
<b>Faults:</b>	Available	<b>Faults:</b>	Available
<b>Landslip:</b>	Not Available	<b>Landslip:</b>	Available
<b>Rock Segments:</b>	Not Available	<b>Rock Segments:</b>	Not Available

## Geology 1:10,000 Maps - Slice B

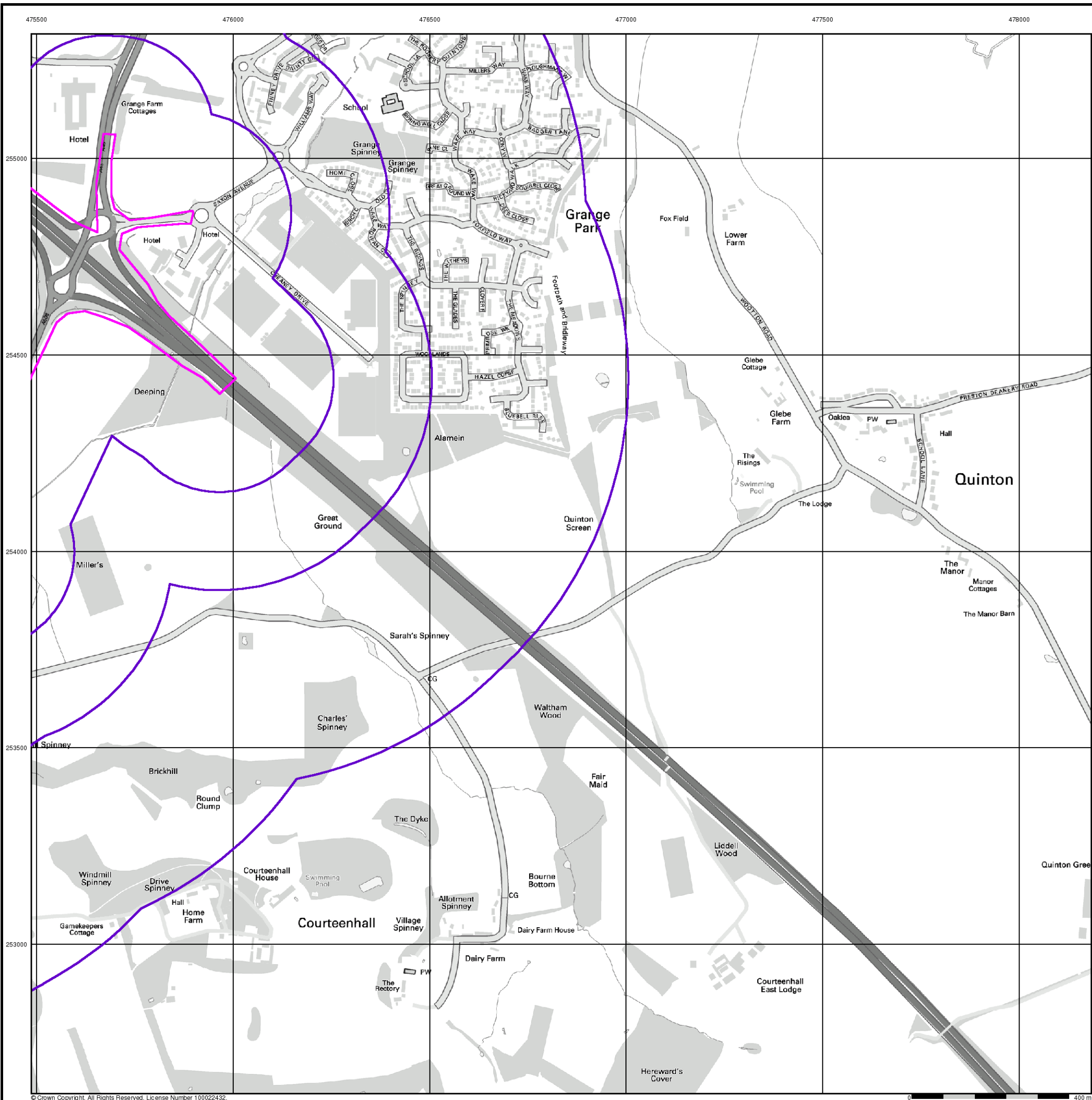


## Order Details

Order Number:	59121721_1_1
Customer Ref:	312598
National Grid Reference:	476150, 254320
Slice:	B
Site Area (Ha):	172.72
Search Buffer (m):	1000

## Site Details

M1 Junction 15, NORTHAMPTON



**Artificial Ground and Landslip**

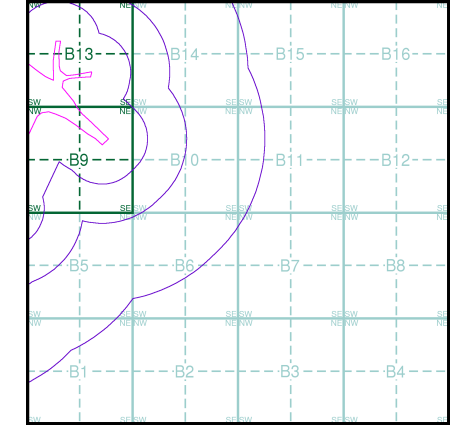
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

**Artificial Ground and Landslip Map - Slice B**



**Order Details**

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National Grid Reference:	476150, 254320
Slice:	B
Site Area (Ha):	172.72
Search Buffer (m):	1000

**Site Details**

M1 Junction 15, NORTHAMPTON

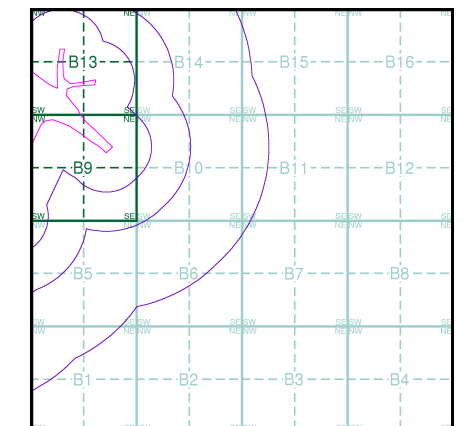
### Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice B

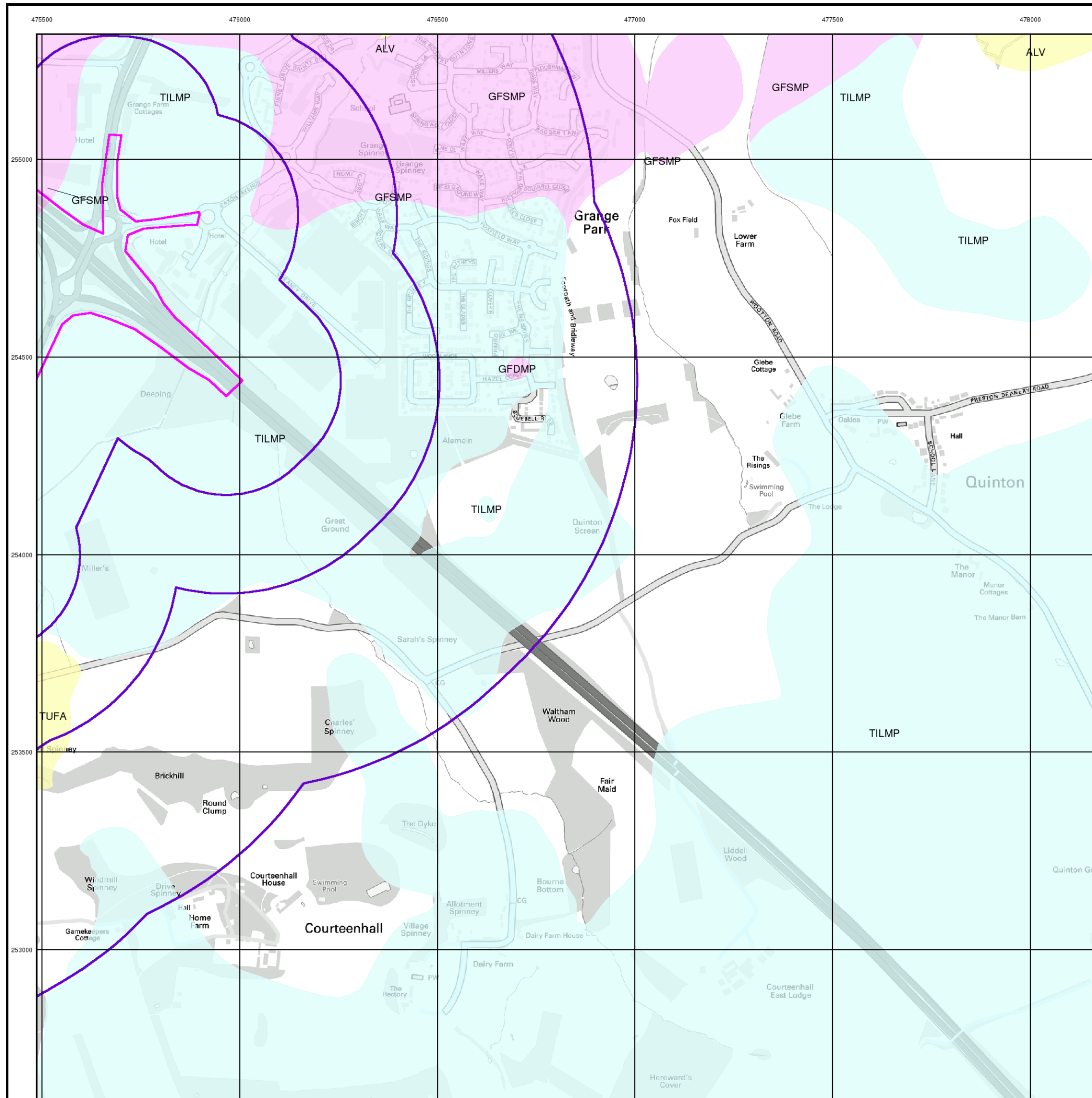


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Bedrock and Faults

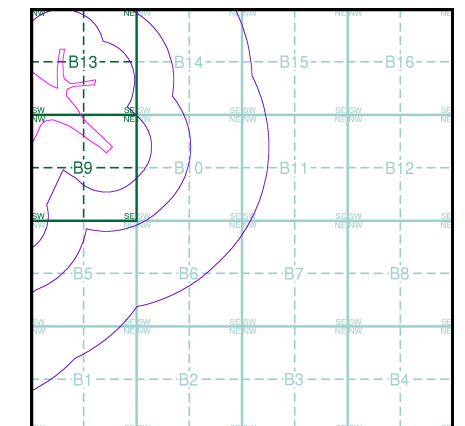
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

## Bedrock and Faults Map - Slice B

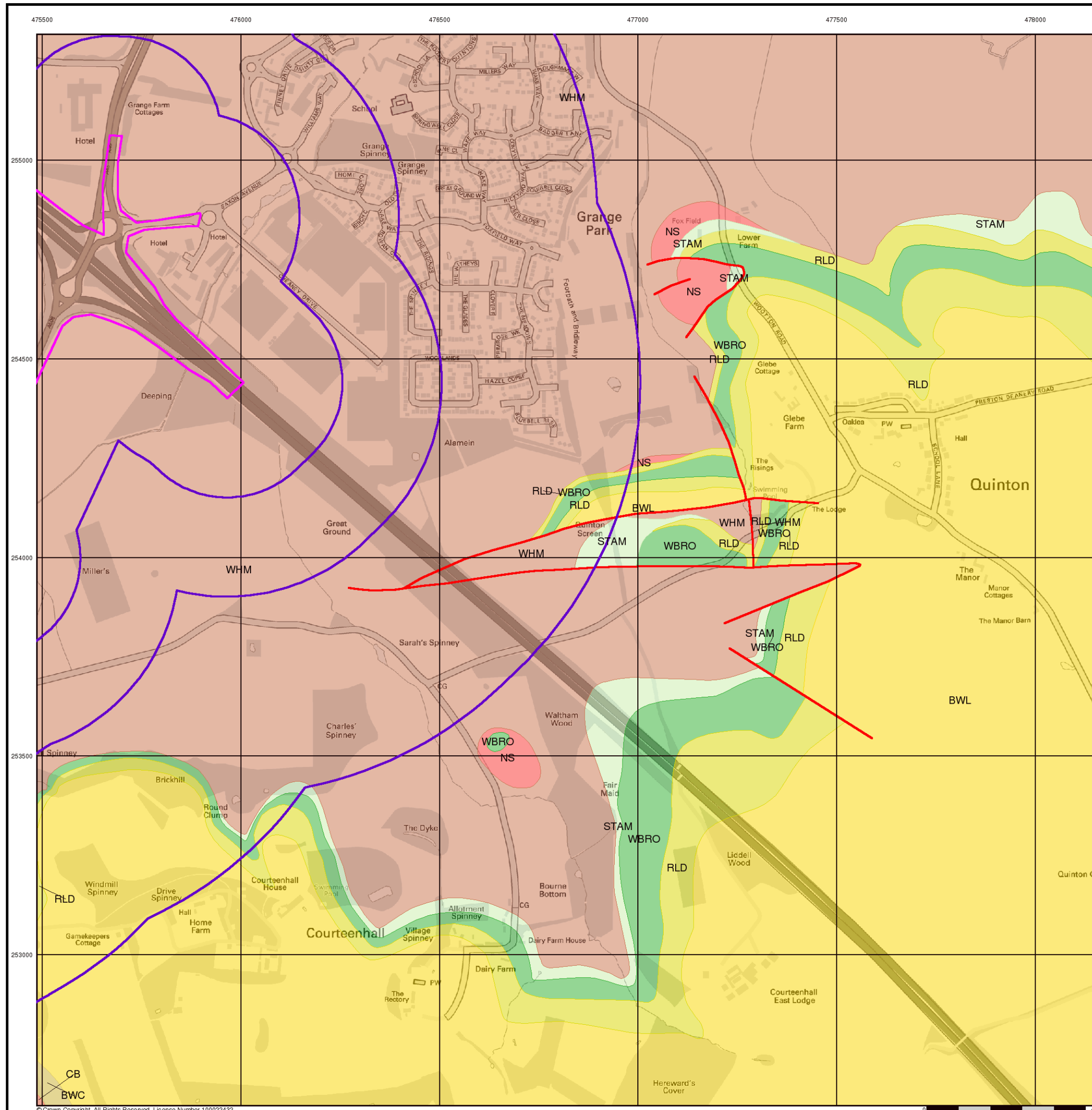


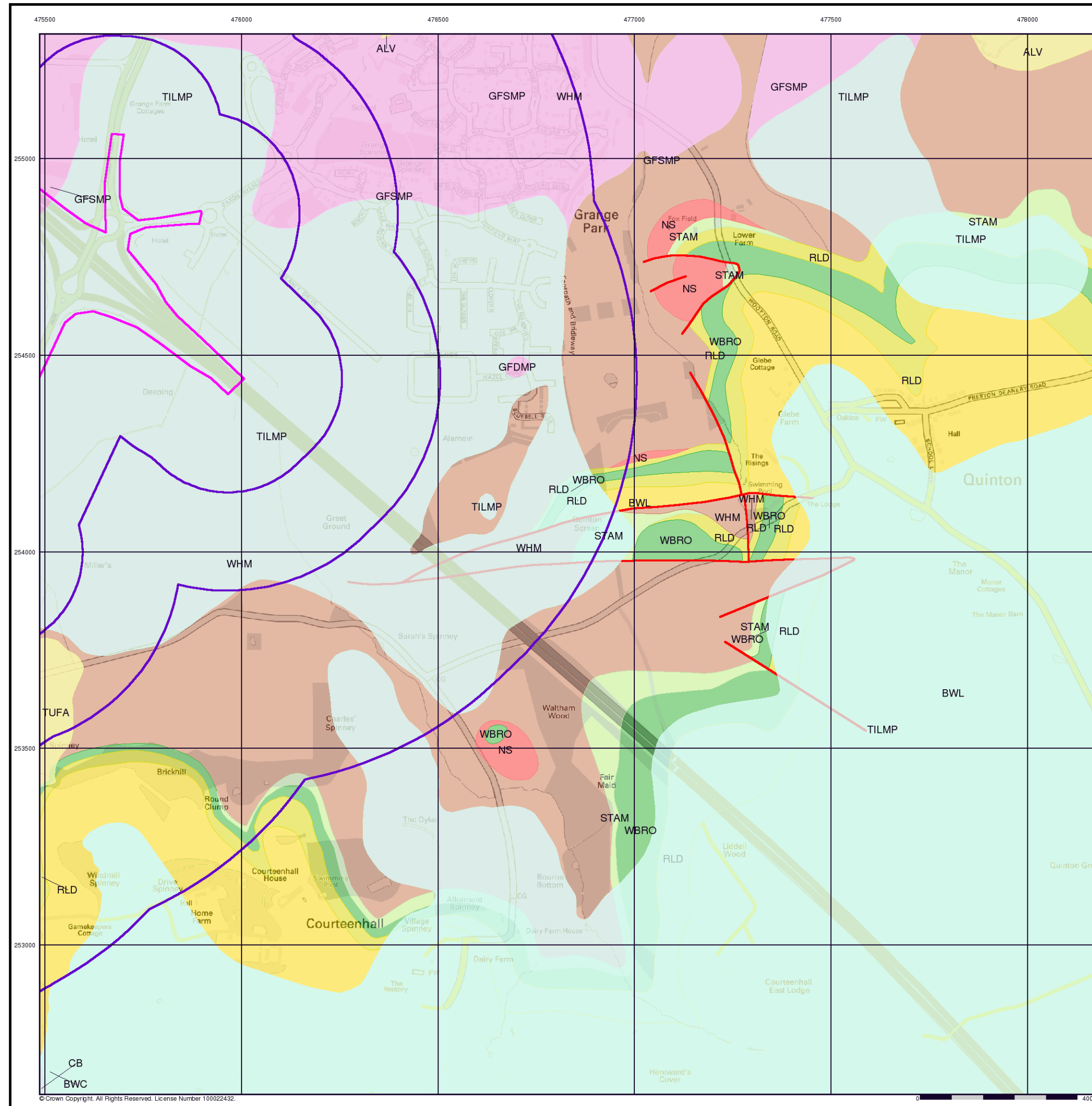
## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

## Site Details

M1 Junction 15, NORTHAMPTON





### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

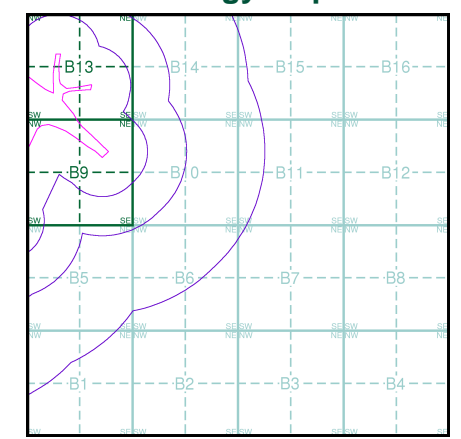
### Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
 Kingsley Dunham Centre  
 Keyworth  
 Nottingham  
 NG12 5GG  
 Telephone: 0115 936 3143  
 Fax: 0115 936 3276  
 email: enquiries@bgs.ac.uk  
 website: www.bgs.ac.uk

### Combined Geology Map - Slice B

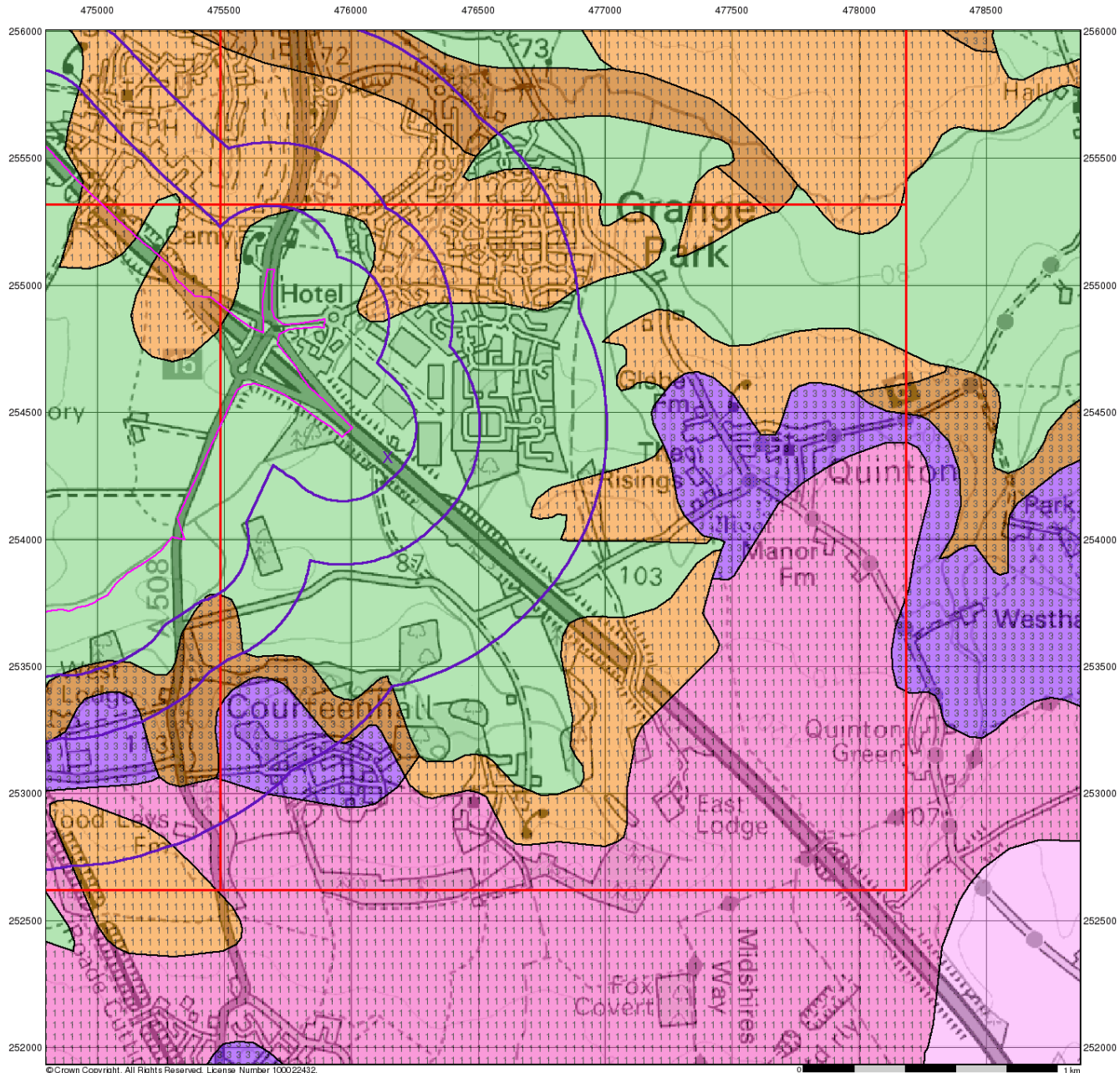


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



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0 1 km



## Groundwater Vulnerability

### General

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

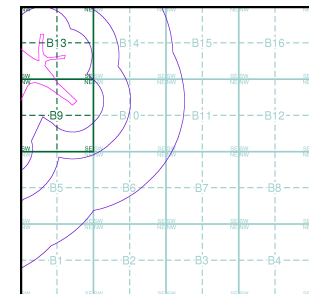
### Agency and Hydrological

#### Geological Classes

- Major Aquifer (Highly Permeable)**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Minor Aquifer (Variably Permeable)**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Non Aquifer (Negligibly Permeable)**
  -
- Water or Sea**
  -
- Drift Deposit**
  -

#### Soil Classes

### Site Sensitivity Context Map - Slice B



### Order Details

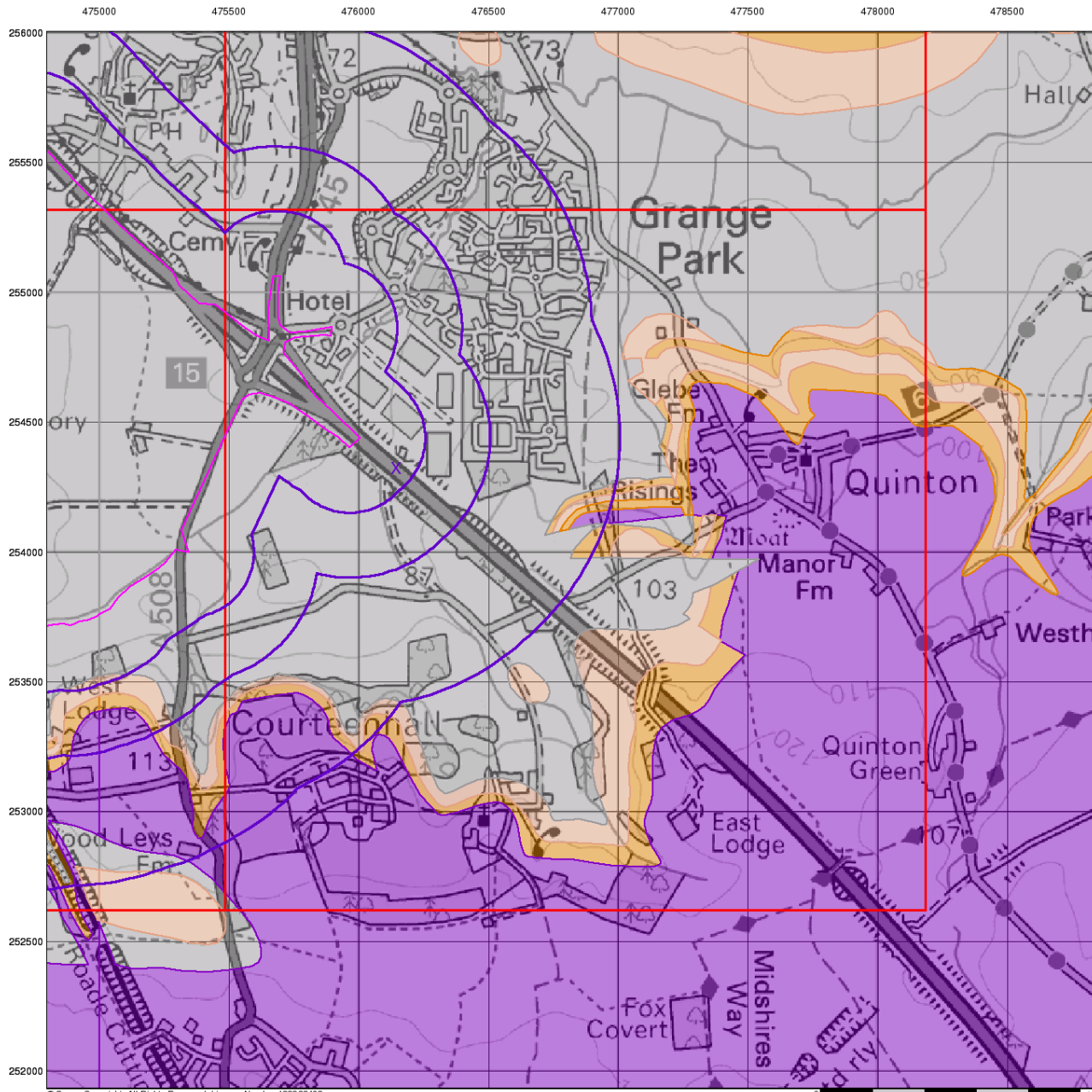
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

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0 1 km



## Bedrock Aquifer Designation

### General

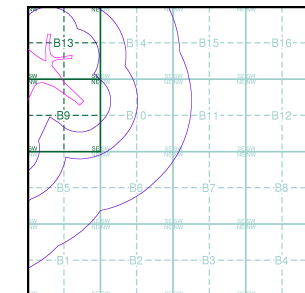
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice B



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

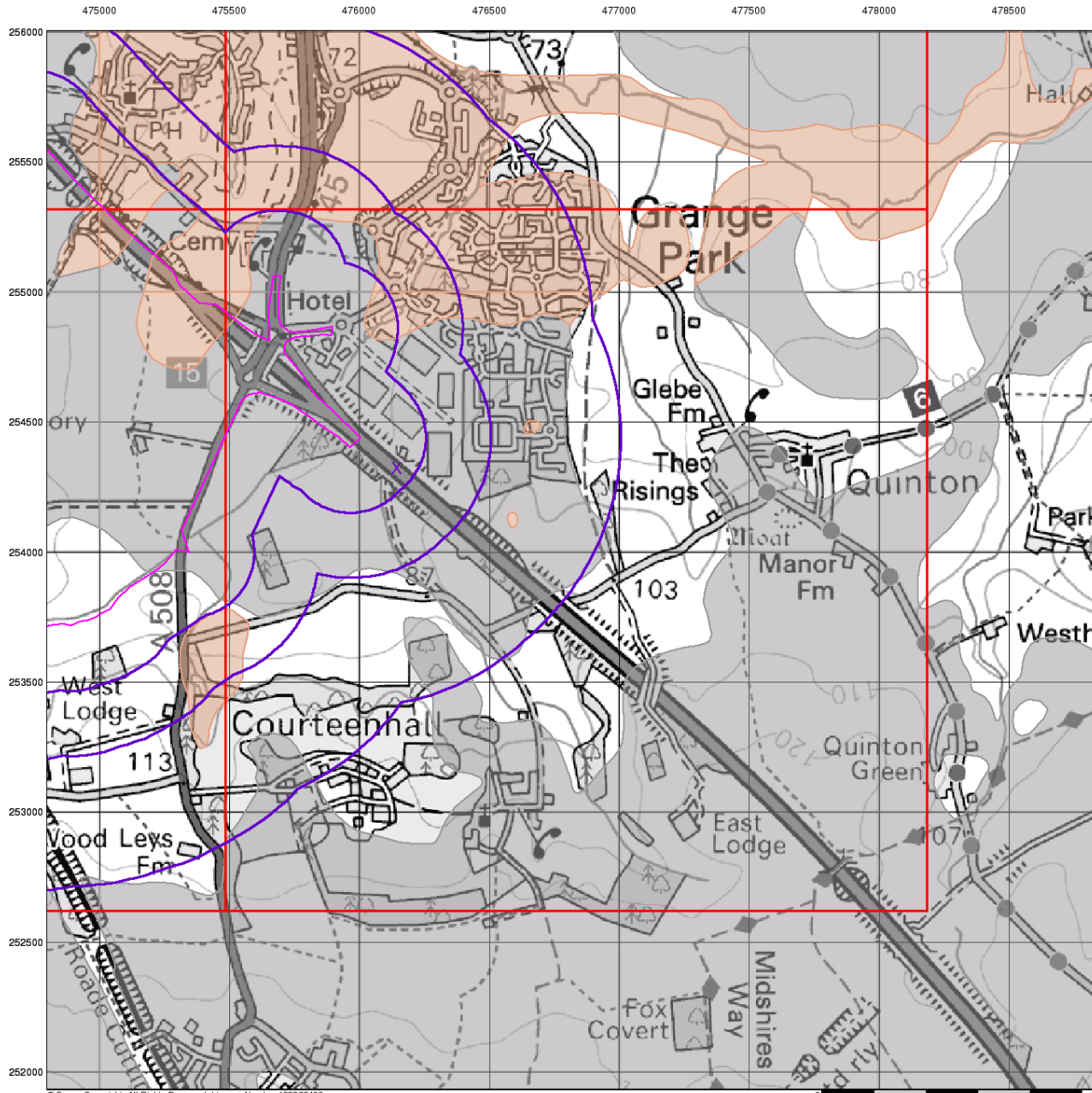
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## Superficial Aquifer Designation

### General

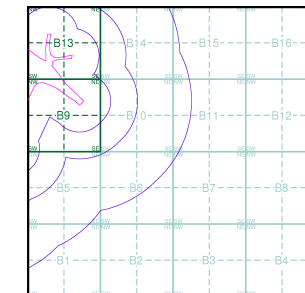
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice B



### Order Details

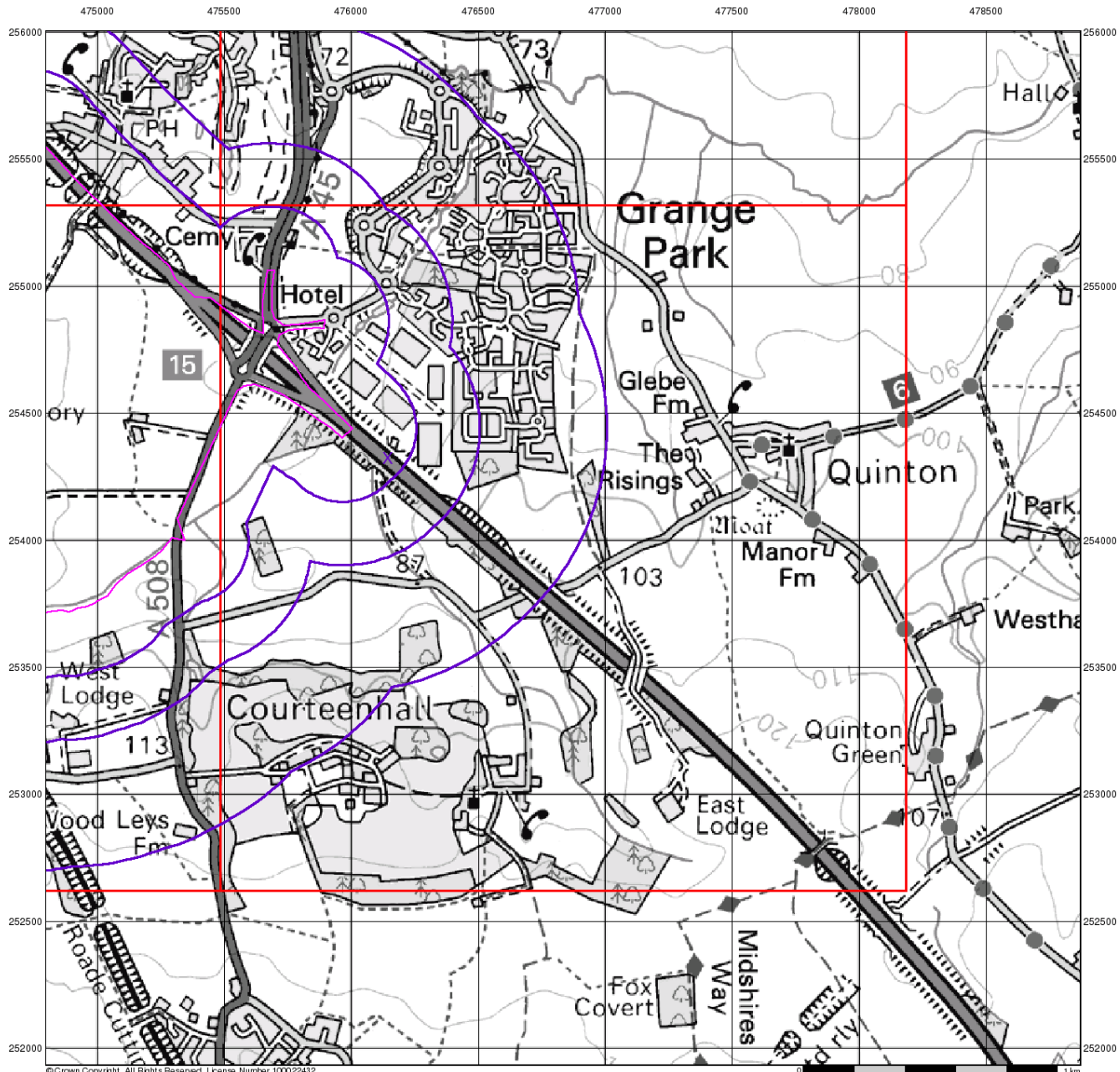
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

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## Source Protection Zones

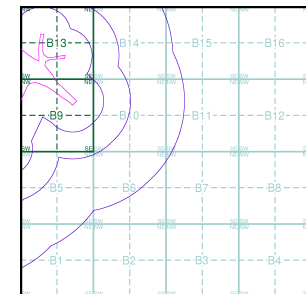
### General

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

### Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice B



### Order Details

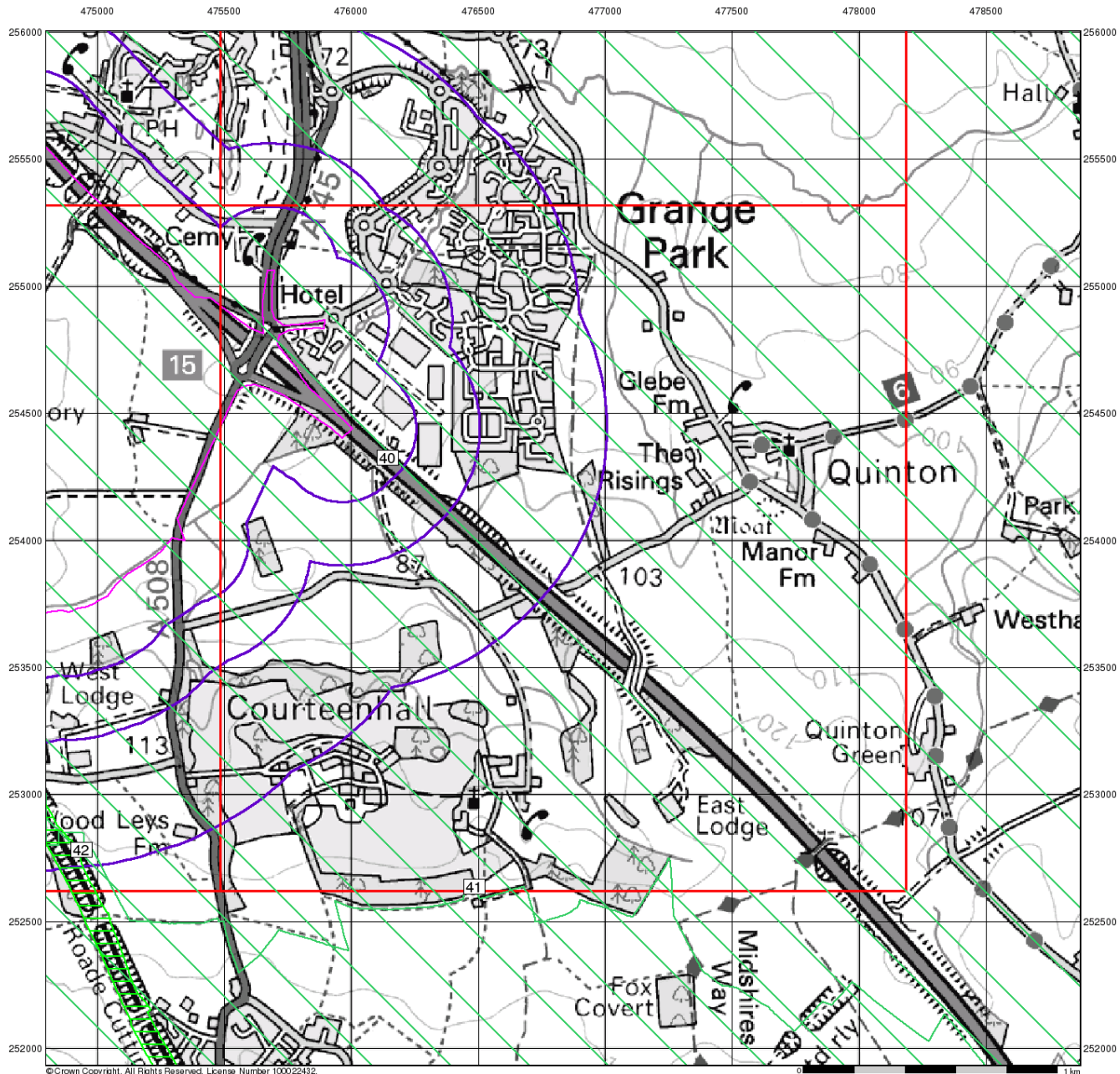
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
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## Sensitive Land Uses

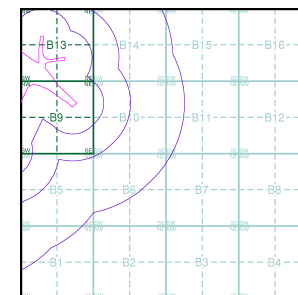
### General

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

### Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

### Site Sensitivity Context Map - Slice B



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
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### Site Details

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## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

59121721\_1\_1

**Customer Reference:**

312598

**National Grid Reference:**

476150, 254320

**Slice:**

B

**Site Area (Ha):**

172.72

**Search Buffer (m):**

1000

#### Site Details:

M1 Junction 15

NORTHAMPTON

#### Client Details:

Mrs D Martin

RSK Environment Ltd

Abbey Park

Humber Road

Coventry

CV3 4AQ

<b>Report Section</b>	<b>Page Number</b>
<b>Summary</b>	<b>-</b>
<b>Agency &amp; Hydrological</b>	<b>1</b>
<b>Waste</b>	<b>7</b>
<b>Hazardous Substances</b>	<b>-</b>
<b>Geological</b>	<b>8</b>
<b>Industrial Land Use</b>	<b>17</b>
<b>Sensitive Land Use</b>	<b>19</b>
<b>Data Currency</b>	<b>20</b>
<b>Data Suppliers</b>	<b>24</b>
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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 and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

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

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#### **Report Version v47.0**

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
Contaminated Land Register Entries and Notices					
Discharge Consents					
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 1	Yes			
Pollution Incidents to Controlled Waters	pg 1	2	1		
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 1				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 2	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 2	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 2	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 2		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 2		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 3	Yes	Yes		n/a
Detailed River Network Offline Drainage	pg 6		Yes		n/a

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)	pg 7		1	2	
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 7			1	
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					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 8	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 8	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 15				1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 15	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 15		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 15	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 16	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 16	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 16	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

<b>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m</b>	<b>501 to 1000m (*up to 2000m)</b>
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 17		5	3	5
Fuel Station Entries					
<b>Sensitive Land Use</b>					
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 19	1			1
Ramsar Sites					
Sites of Special Scientific Interest	pg 19			1	
Special Areas of Conservation					
Special Protection Areas					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Nearest Surface Water Feature</b>	B9NE (NW)	0	-	475843 254504
1	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road Location: Kettering District, NORTHAMPTON Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Wootton Brook Incident Date: 1st March 1999 Incident Reference: 3645 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B13SW (NW)	0	2	475600 254700
2	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Wootton Brook Incident Date: 18th June 1998 Incident Reference: 3411 Catchment Area: Not Given Receiving Water: Groundwater Cause of Incident: Leaking Tank Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B13SW (NW)	0	2	475700 254800
3	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Wootton Brook Incident Date: 11th May 1998 Incident Reference: 3390 Catchment Area: Not Given Receiving Water: Potential River Cause of Incident: Collision Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B10NW (N)	204	2	476200 254500
	<b>Water Abstractions</b> Operator: Pang (West Indies Ltd) Licence Number: 5/32/04/*s/037 Permit Version: Not Supplied Location: Underground Spring, Lower Farm, QUINTON, Northamptonshire Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 2 Yearly Rate (m3): 7730 Details: 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	B12NW (E)	1686	2	477680 254635
	<b>Water Abstractions</b> Operator: Pang (West Indies) Ltd Licence Number: 5/32/04/*S/0037 Permit Version: 100 Location: Underground Spring-Lower Farm Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 8 Yearly Rate (m3): 2046 Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 1973 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B12NW (E)	1687	2	477680 254640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	B9NE (NE)	0	2	476145 254325
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	B13SE (N)	0	2	476126 254856
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	B9NE (NE)	0	3	476145 254325
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	B13NE (N)	0	3	476145 255001
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(W)	0	3	475000 254325
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(NW)	0	3	475000 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	B13SW (NW)	0	3	475511 254886
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	B13NE (N)	0	3	476145 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(NW)	0	3	475000 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(W)	0	3	475000 254325
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(NW)	0	3	475000 255095
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	B13NE (N)	0	3	476053 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(NW)	0	3	475172 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	B9NE (NE)	0	3	476145 254325
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	B13SE (N)	73	2	476016 254810
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	B13SE (N)	95	2	476020 254815
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NE (NW)	0	2	475888 254548
5	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B13SW (NW)	0	2	475752 254808
6	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NE (W)	0	2	475850 254443
7	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NE (NW)	0	2	475888 254548
8	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NE (NW)	0	2	475844 254501
9	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B13SW (NW)	1	2	475742 254857

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B13SW (NW)	15	2	475736 254774
11	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B13SW (NW)	24	2	475796 254703
12	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NE (NW)	25	2	475902 254597
13	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NE (NW)	43	2	475902 254597
14	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NE (NW)	43	2	476091 254419
15	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B5NW (SW)	59	2	475509 253916

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9NE (W)	89	2	476098 254321
17	<b>Detailed River Network Lines</b> River Type: Primary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: WOOTTON BROOK Name: Water Course: 5372 Reference:	B13SE (N)	155	2	476052 254881
18	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9SE (SW)	173	2	476100 254291
19	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B9SE (SW)	177	2	476098 254283
20	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B5NW (SW)	183	2	475522 253900
21	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	B5NW (SW)	183	2	475509 253916

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	B9NE (W)	26	2	475985 254370
23	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	B9NE (W)	40	2	475983 254342

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Wooton Quarry Licence Number: 70662 Location: Sandspillers Ltd, Wooton Quarry, A508 (southbound), Collingtree, Northants, NN4 0LY Licence Holder: Viridor Waste Wootton Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites Max Input Rate: Not Supplied <b>Licence Status: Closure</b> Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	B14NW (N)	144	2	476236 255124
25	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Wooton Quarry Licence Number: 70647 Location: A508, Collingtree, Northants, NN4 0LY Licence Holder: Viridor Waste Wootton Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites Max Input Rate: Large (Equal to or greater than 75,000 tonnes per year) <b>Licence Status: Inactive</b> Issued: 1st June 1992 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	B13NE (N)	380	2	476061 255294
26	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Wooton Quarry Licence Number: 70647 Location: Sandspillers Ltd, A508, Collingtree, Northants, NN4 0LY Licence Holder: Viridor Waste Wootton Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites Max Input Rate: Not Supplied <b>Licence Status: Closure</b> Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	B13NE (N)	381	2	476061 255295
	<b>Local Authority Landfill Coverage</b> Name: South Northamptonshire District Council - Has supplied landfill data		0	9	476145 254325
	<b>Local Authority Landfill Coverage</b> Name: Northamptonshire County Council - Has supplied landfill data		0	8	476145 254325
	<b>Local Authority Landfill Coverage</b> Name: Northampton Borough Council - Has no landfill data to supply		0	7	475690 254780
27	<b>Registered Landfill Sites</b> Licence Holder: Sandspillers Ltd Licence Reference: S/062 Site Location: Wooton Quarry (A508 Southbound), Collingtree, Courteenhall, NORTHAMPTON, Northamptonshire, NN4 0LY Licence Easting: Not Supplied Licence Northing: Not Supplied Operator Location: Greendale Court, Clyst St Mary, EXETER, Devon, EX5 1AW Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfill Max Input Rate: Undefined Waste Source: No known restriction on source of waste Restrictions: Status: Record supersededSuperseded Dated: 1st June 1992 Preceded By: Not Given Licence: Superseded By: S/062 Licence: Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good Authorised Waste: Northants Cat. A1 -Solid Inert (Soils) Northants Cat. A2 -Sol.Inert (Inc.Dem) Northants Cat. B - Slowly Decompose Northants Cat. C - Putresc./Domestic Prohibited Waste: Asbestos Waste N.O.S.	B13NE (N)	390	2	476064 255309

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Upper Lias	B9NE (NE)	0	3	476145 254325
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B13NW (NW)	0	4	475581 255000
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B13SW (NW)	0	4	475511 254886
	<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: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	B9NE (W)	0	4	476000 254325
	<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: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	B9NE (NE)	0	4	476145 254325
	<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: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	B13NE (N)	0	4	476000 255000
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	B5NE (S)	0	4	476000 253930



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B9SE (SW)	0	4	476000 254000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B13SE (N)	126	4	476114 254815
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B13NE (N)	169	4	476053 255000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B13NE (N)	206	4	476145 255000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B5SW (S)	250	4	475811 253498
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B5NW (SW)	253	4	475570 253731

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B5SW (SW)	294	4	475784 253483
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B9SE (S)	403	4	476145 254000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B5NE (S)	472	4	476065 253933
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B5SW (S)	609	4	475790 253445
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B14NW (N)	627	4	476358 255291
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10NE (E)	629	4	476634 254463

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B6NW (SE)	638	4	476402 253936
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SE)	644	4	476573 254134
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B10SE (SE)	688	4	476534 254000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B6NW (S)	692	4	476196 253748
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B1NW (SW)	724	4	475562 253000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B1NW (S)	746	4	475729 253282

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	(N)	782	4	476466 255402
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10NE (E)	786	4	476796 254414
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SE)	804	4	476717 254064
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B10SE (SE)	827	4	476747 254070
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (E)	853	4	476778 254078
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B11SW (E)	876	4	476854 254222

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B10SE (E)	879	4	476809 254084
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B11SW (E)	895	4	476868 254201
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B5SE (S)	915	4	476106 253407
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B11SW (E)	917	4	476884 254179
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B5SE (S)	918	4	476100 253434
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SE)	930	4	476827 254005

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B10SE (SE)	931	4	476826 254000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B1NE (S)	938	4	475904 253000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	B11SW (E)	939	4	476900 254155
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B5SE (S)	941	4	476070 253376
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B11SW (E)	946	4	476931 254243
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	B11SW (E)	992	4	476939 254106

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	B11NW (E)	995	4	477000 254325
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	B11SW (E)	996	4	476942 254102
28	<b>BGS Recorded Mineral Sites</b> Site Name: Courteenhall Location: , Courteenhall, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139751 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Jurassic Geology: Blisworth Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B11NW (SW)	750	3	475560 253238
	<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> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (NE)	0	3	476145 254325
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	0	3	476145 255000
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (NE)	0	3	476145 254325
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	0	3	476145 255000
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	0	3	476145 255000
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9NE (NE)	0	3	476145 254325
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5SW (S)	250	3	475811 253498
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	0	3	476145 255000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (NE)	0	3	476145 254325
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	0	3	476145 255000
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9NE (NE)	0	3	476145 254325
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NE (S)	0	3	476065 253933
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NE (NE)	0	3	476145 254325
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	0	3	476053 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	0	3	476135 255000
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13SW (NW)	0	3	475511 254886
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13SE (N)	136	3	476026 254908
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5SW (S)	222	3	475811 253498
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	0	3	476050 254001
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	0	3	476145 255001
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B9NE (NE)	0	3	476145 254325
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B9SE (S)	0	3	476050 254001
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B13NE (N)	0	3	476145 255001
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	B9NE (NE)	0	3	476145 254325



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<b>Contemporary Trade Directory Entries</b> Name: Magnatech Energy Location: Unit 9/B, Basset Court, Loake Close, Grange Park, Northampton, NN4 5EZ Classification: Energy Efficient Products and Services <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	B13SE (NW)	54	-	475860 254656
30	<b>Contemporary Trade Directory Entries</b> Name: Ge Fanuc Automation Cnc (Uk) Ltd Location: Unit 15, Basset Court, Loake Close, Grange Park, Northampton, NN4 5EZ Classification: Electronic Component Manufacturers & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	B13SE (NW)	64	-	475839 254710
30	<b>Contemporary Trade Directory Entries</b> Name: Arbonne Location: Unit 16, Basset Court, Loake Cl, Grange Pk, Northampton, Northamptonshire, NN4 5EZ Classification: Cosmetic Manufacturers <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the address or location	B13SE (NW)	104	-	475884 254711
31	<b>Contemporary Trade Directory Entries</b> Name: Philips Speech Processing Location: Cheaney Drive, Northampton, NN4 5FB Classification: Office Furniture & Equipment <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	B9NE (N)	182	-	476071 254629
32	<b>Contemporary Trade Directory Entries</b> Name: Combisafe International Ltd Location: Safety Centre, Cheaney Drive, Grange Park, Northampton, NN4 5FB Classification: Scaffolding & Work Platforms <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	B13SE (N)	212	-	476103 254807
33	<b>Contemporary Trade Directory Entries</b> Name: Europa Worldwide Logistics Ltd Location: Cheaney Dr, Grange Pk, Northampton, Northamptonshire, NN4 5FB Classification: Freight Forwarders <b>Status: Active</b> Positional Accuracy: Manually positioned to the road within the address or location	B13SE (N)	262	-	476145 254668
34	<b>Contemporary Trade Directory Entries</b> Name: Grange Park Dry Cleaners Location: 2, Wilks Walk, Grange Park, Northampton, NN4 5DW Classification: Dry Cleaners <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	B13NE (N)	370	-	476144 255141
35	<b>Contemporary Trade Directory Entries</b> Name: A J S Services Location: 66, Woodlands, Grange Park, Northampton, NN4 5FX Classification: Domestic Appliances - Servicing, Repairs & Parts <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	B10NW (E)	459	-	476463 254411
36	<b>Contemporary Trade Directory Entries</b> Name: The Sourcers Location: 12, The Ridings, Grange Park, Northampton, Northamptonshire, NN4 5BN Classification: Clothing & Fabrics - Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	B14SW (NE)	525	-	476416 254778
36	<b>Contemporary Trade Directory Entries</b> Name: Eco Fireplace Ltd Location: 36, The Ridings, Grange Park, Northampton, NN4 5BN Classification: Fireplaces & Mantelpieces <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	B14SW (NE)	549	-	476450 254761
37	<b>Contemporary Trade Directory Entries</b> Name: Trophy Pet Foods Location: The Ridings, Grange Pk, Northampton, Northamptonshire, NN4 5BN Classification: Pet Foods & Animal Feeds <b>Status: Inactive</b> Positional Accuracy: Manually positioned within the geographical locality	B14SE (NE)	574	-	476498 254734

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	<b>Contemporary Trade Directory Entries</b> Name: Princess Sparkles Location: 28, Bluebell Rise, Grange Park, Northampton, NN4 5DF Classification: Cleaning Services - Domestic <b>Status: Active</b> Positional Accuracy: Automatically positioned to the address	B10NE (E)	725	-	476720 254317
39	<b>Contemporary Trade Directory Entries</b> Name: Niklz Nates Location: 3, Cony Walk, Grange Park, Northampton, NN4 5DJ Classification: Gate Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	B14NE (NE)	837	-	476716 255035

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	B9NE (NE)	0	5	476145 254325
41	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	B2SW (S)	627	5	476485 252634
42	<b>Sites of Special Scientific Interest</b> Name: Roade Cutting Multiple Areas: N Total Area (m2): 151713.41 Source: Natural England Reference: 1002811 Designation Details: Geological Conservation Review Designation Date: 1st September 1986 Date Type: Notified	(SW)	410	6	474633 253278













Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> South Northamptonshire Council - Environment Division Northampton Borough Council - Environmental Health Department	August 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region	September 1999	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Registered Radioactive Substances</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region	July 2014	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 2011	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually

Agency & Hydrological	Version	Update Cycle
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2014	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2014	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	Annually
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Northern Area	July 2014	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Local Authority Landfill Coverage</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	March 2014	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	November 2013	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	April 2013 March 2013 November 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	April 2013 March 2013 May 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	January 2010	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2014	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	December 2013	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	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

<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	May 2014	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	March 2014	Quarterly
<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Areas of Outstanding Natural Beauty</b> Natural England	January 2014	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	July 2013	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>National Parks</b> Natural England	January 2014	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	July 2014	Annually
<b>Ramsar Sites</b> Natural England	March 2014	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	March 2014	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	March 2014	Bi-Annually
<b>Special Protection Areas</b> Natural England	March 2014	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	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Countryside Council for Wales	 <p>CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES</p>
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	







Contact	Name and Address	Contact Details
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
5	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
6	<b>Natural England</b> Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	<b>Northampton Borough Council - Environmental Health Department</b> Cliftonville House, Bedford Road, Northampton, Northamptonshire, NN4 7NR	Telephone: 01604 238788 Fax: 01604 30503 Website: www.northampton.gov.uk
8	<b>Northamptonshire County Council</b> County Hall, Northampton, Northamptonshire, NN1 1DN	Telephone: 01604 236236 Website: www.northamptonshire.gov.uk
9	<b>South Northamptonshire Council - Environmental Health Department</b> Springfields, Towcester, Northamptonshire, NN12 6AE	Telephone: 0845 2300226 Fax: 01327 359219 Website: www.southnorthants.gov.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 / SEPA have a charging policy in place for enquiries.

## Geology 1:50,000 Maps Legends

### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	ODT	Oadby Member	Diamicton	Anglian - Anglian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Ipswichian - Cromerian
	TUFA	Tufa	Tufa, Calcareous	Quaternary - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WBRO	Wellingborough Limestone Member	Limestone	Bathonian - Bathonian
	BWL	Blisworth Limestone Formation	Limestone	Bathonian - Bathonian
	BWC	Blisworth Clay Formation	Mudstone	Bathonian - Bathonian
	CB	Cornbrash Formation	Limestone	Callovian - Bathonian
	STAM	Stamford Member	Sandstone and Siltstone, Interbedded	Bathonian - Bajocian
	RLD	Rutland Formation	Mudstone	Bathonian - Bajocian
	NS	Northampton Sand Formation	Ironstone, Ooidal	Aalenian - Aalenian
	WHM	Whitby Mudstone Formation	Mudstone	Toarcian - Toarcian
		Faults		



### Geology 1:50,000 Maps

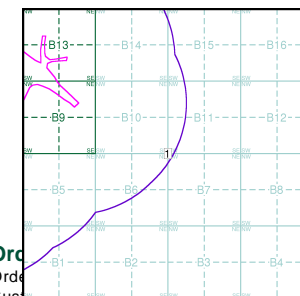
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	202
Map Name:	Towcester
Map Date:	1969
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

### Geology 1:50,000 Maps - Slice B



Ord

Ord

Customer Reference: 072000

National Grid Reference: 476150, 254320

Slice: B

Site Area (Ha): 172.72

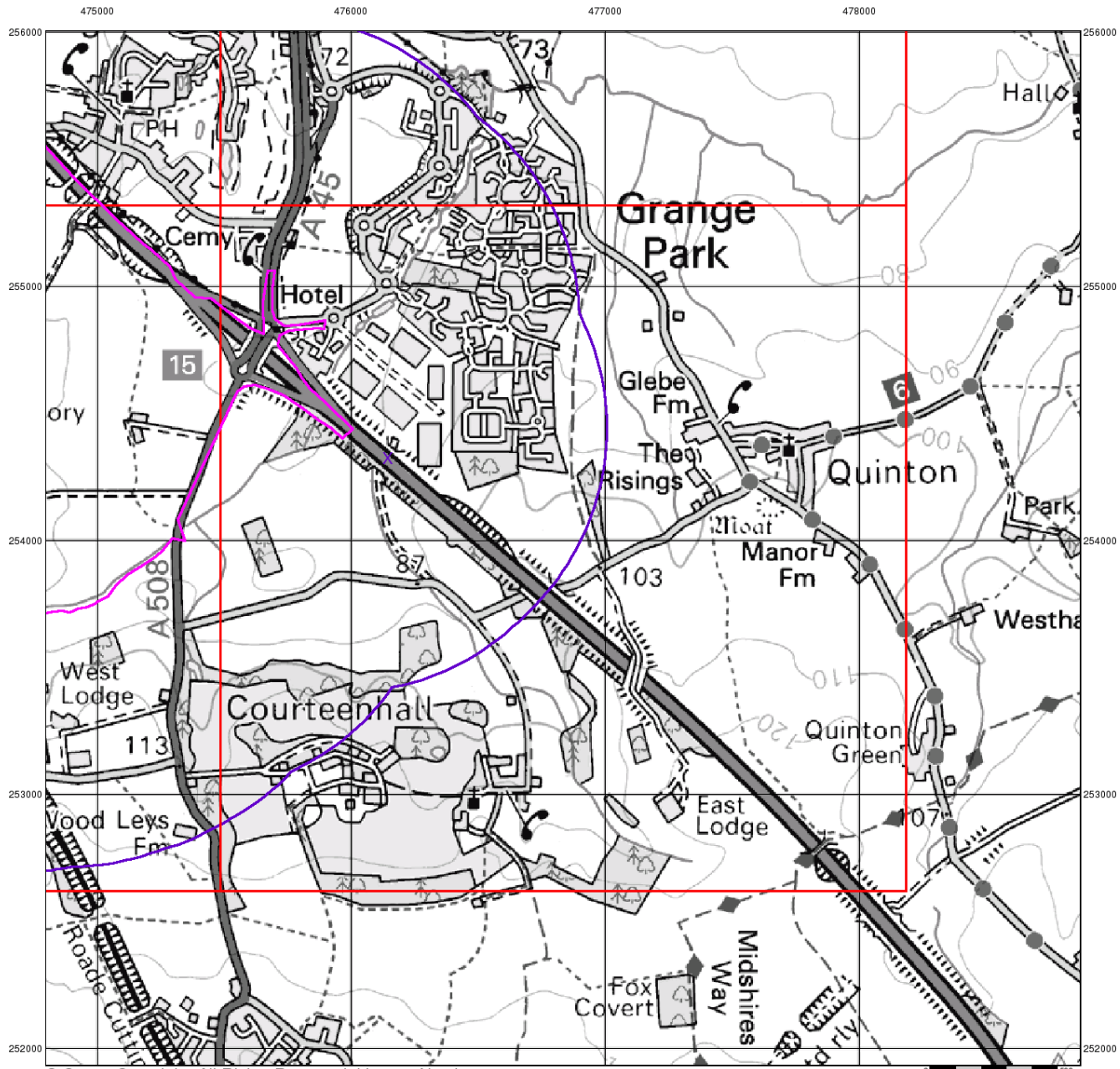
Search Buffer (m): 1000

### Site Details:

M1 Junction 15, NORTHAMPTON



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



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### Artificial Ground and Landslip

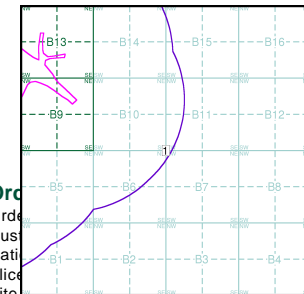
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- In-filled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

### Artificial Ground and Landslip Map - Slice B



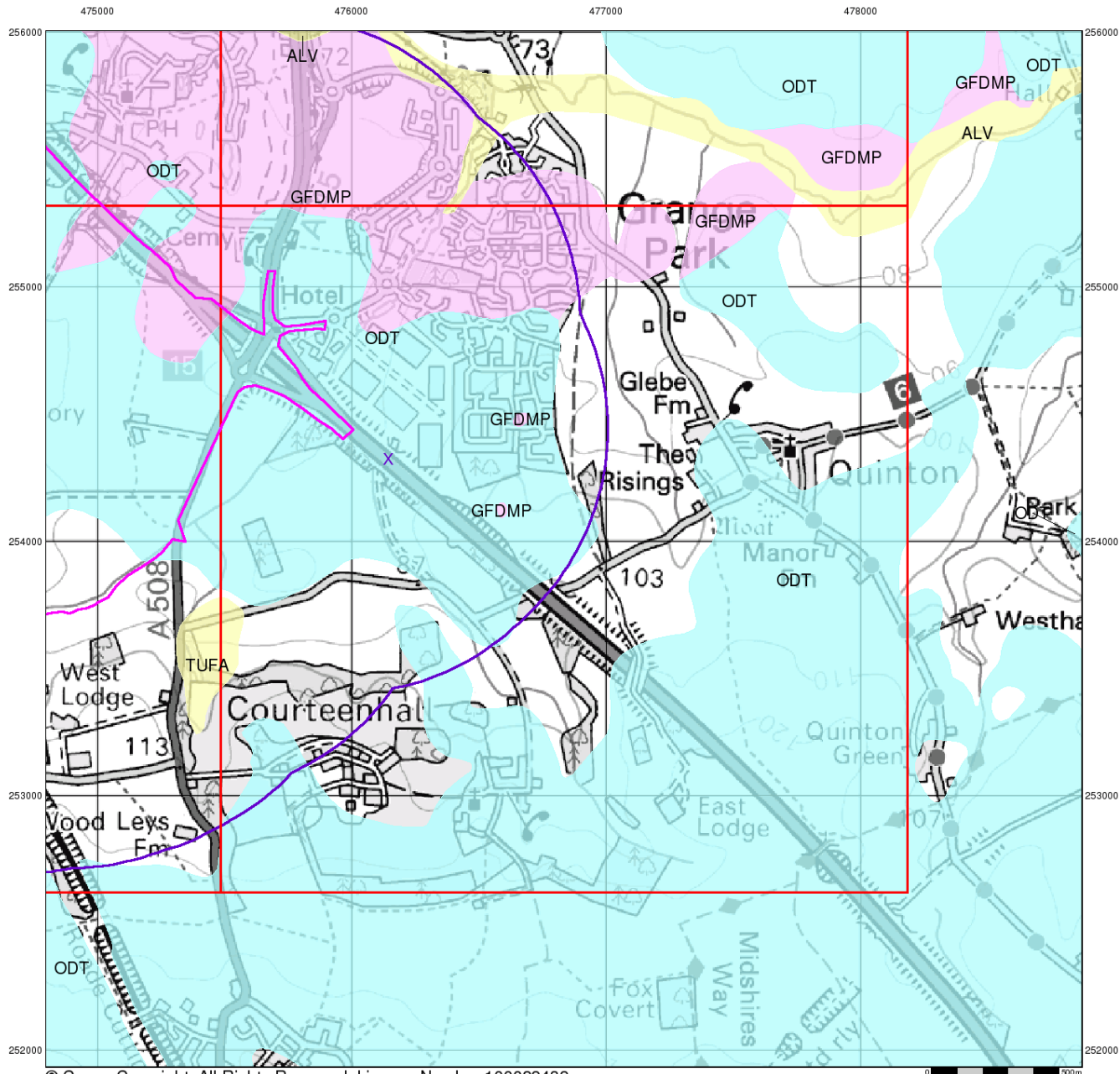
Order  
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National  
Slice  
Site

Search Buffer (m): 1000

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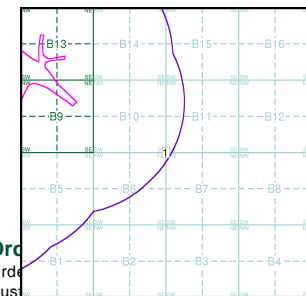
### Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice B



Ord  
Ord  
Cus

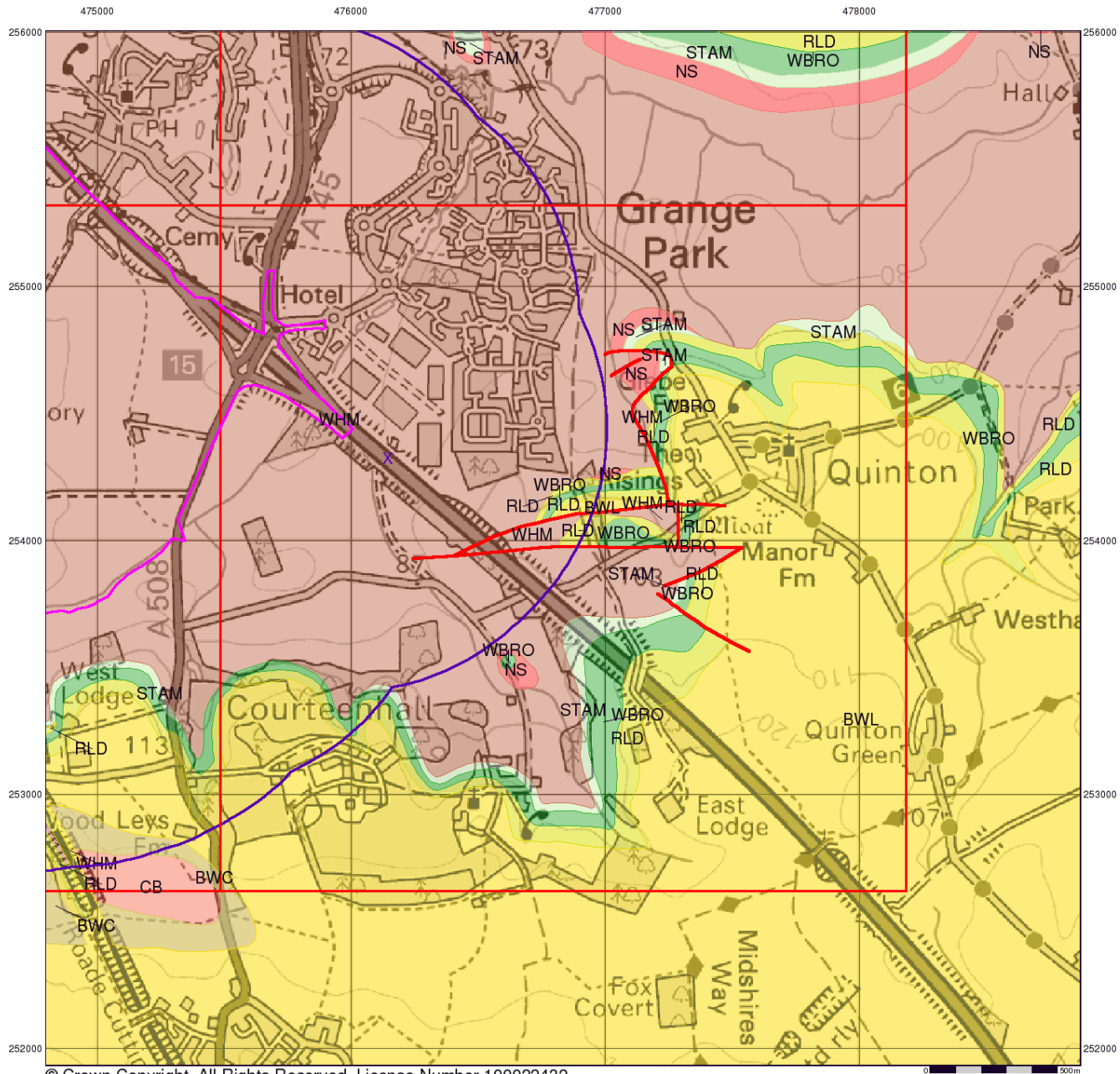
National Grid Reference: 476150, 254320

Slice: B  
Site Area (Ha): 172.72  
Search Buffer (m): 1000

**Site Details:**  
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### Bedrock and Faults

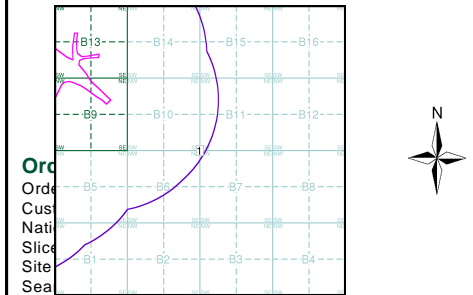
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

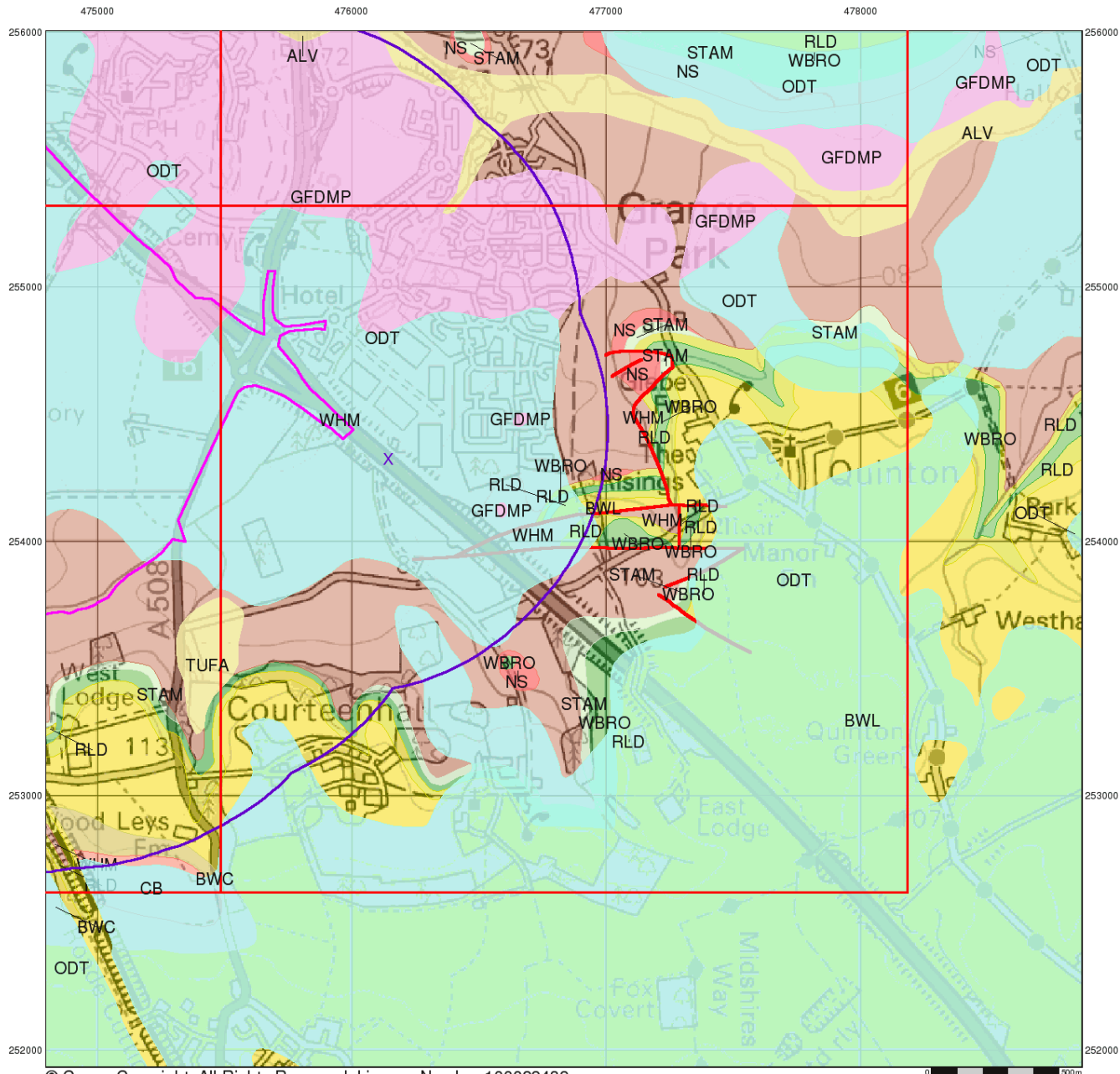
### Bedrock and Faults Map - Slice B



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### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

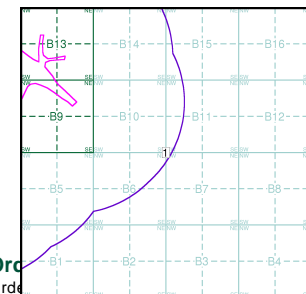
### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
 Kingsley Dunham Centre  
 Keyworth  
 Nottingham  
 NG12 5GG  
 Telephone: 0115 936 3143  
 Fax: 0115 936 3276  
 email: [enquiries@bgs.ac.uk](mailto:enquiries@bgs.ac.uk)  
 website: [www.bgs.ac.uk](http://www.bgs.ac.uk)

### Combined Geology Map - Slice B



### Order

Customer Reference: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details:

M1 Junction 15, NORTHAMPTON



Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: [www.envirocheck.co.uk](http://www.envirocheck.co.uk)

# 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

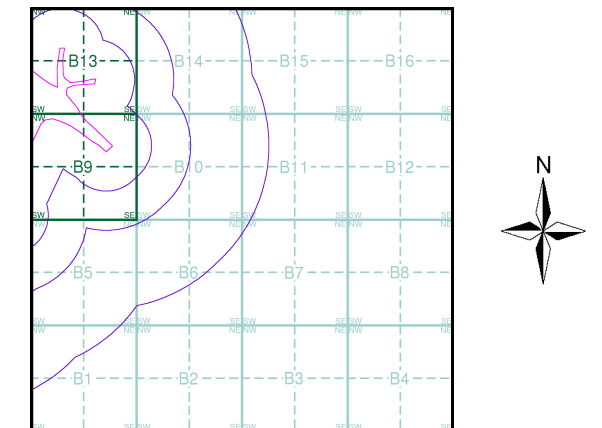
## 1:10,000 Raster Mapping

	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

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:10,560	1884	3
Buckinghamshire	1:10,560	1885	4
Northamptonshire	1:10,560	1900 - 1901	5
Northamptonshire	1:10,560	1900	6
Historical Aerial Photography	1:10,560	1947	7
Northamptonshire	1:10,560	1952	8
Ordnance Survey Plan	1:10,000	1958	9
Ordnance Survey Plan	1:10,000	1965 - 1968	10
Ordnance Survey Plan	1:10,000	1968	11
Northampton	1:10,000	1979	12
Ordnance Survey Plan	1:10,000	1982 - 1983	13
Ordnance Survey Plan	1:10,000	1992	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2014	16

## Historical Map - Slice B



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

## Site Details

M1 Junction 15, NORTHAMPTON

# Russian Military Mapping Legends

## 1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Fireproof Building		Prominent Fireproof Building
	Non-fireproof Building		Non-fireproof Building (non-dwelling)
	Factory, mill, and flour mill, with chimneys		Factory, mill, and flour mill, without chimneys
	Power Station, drawn to scale		Hydroelectric Power Station
	Radio Station, drawn to scale		Telephone Station, drawn to scale
	Abandoned Open-pit Mine or Quarry		Open-pit Salt Mine
	Pit		Oil Deposit or Well
	Oil Seepage		Natural Gas Tank
	Tailings Pile		Fuel Storage Tanks
	Bench Mark		Drill Hole
	Burial Mound		Triangulation Point on Burial Mound
	Single-track Railroad		Double-track Railroad
	Railroad and Station Building		Small Bridge
	Tunnel		Pipe (Culvert)
	Coniferous Forest		Deciduous Forest
	Mixed Forest		Lawns
	Citrus Orchard		Wet Ground
	Scattered Vegetation		

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

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

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

## 1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

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

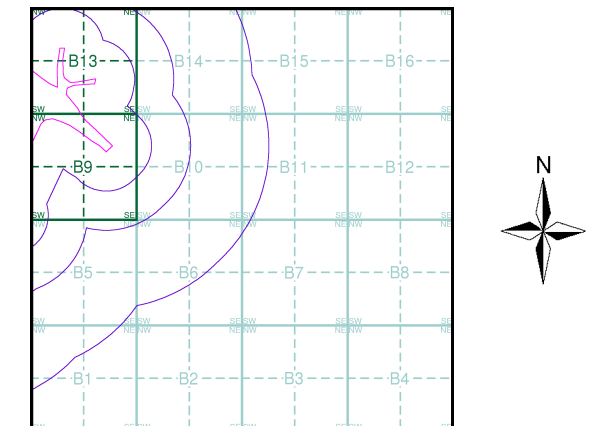
## Key to Numbers on Mapping



### Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:10,560	1884	3
Buckinghamshire	1:10,560	1885	4
Northamptonshire	1:10,560	1900 - 1901	5
Northamptonshire	1:10,560	1900	6
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Ordnance Survey Plan	1:10,000	1982 - 1983	13
Ordnance Survey Plan	1:10,000	1992	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2014	16

### Russian Map - Slice B



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



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



Northamptonshire

Published 1884

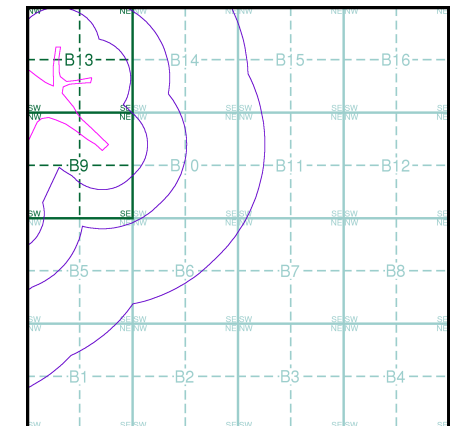
Source map scale - 1:10,560

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)

052NW	1884	1:10,560
052SW	1884	1:10,560

Historical Map - Slice B

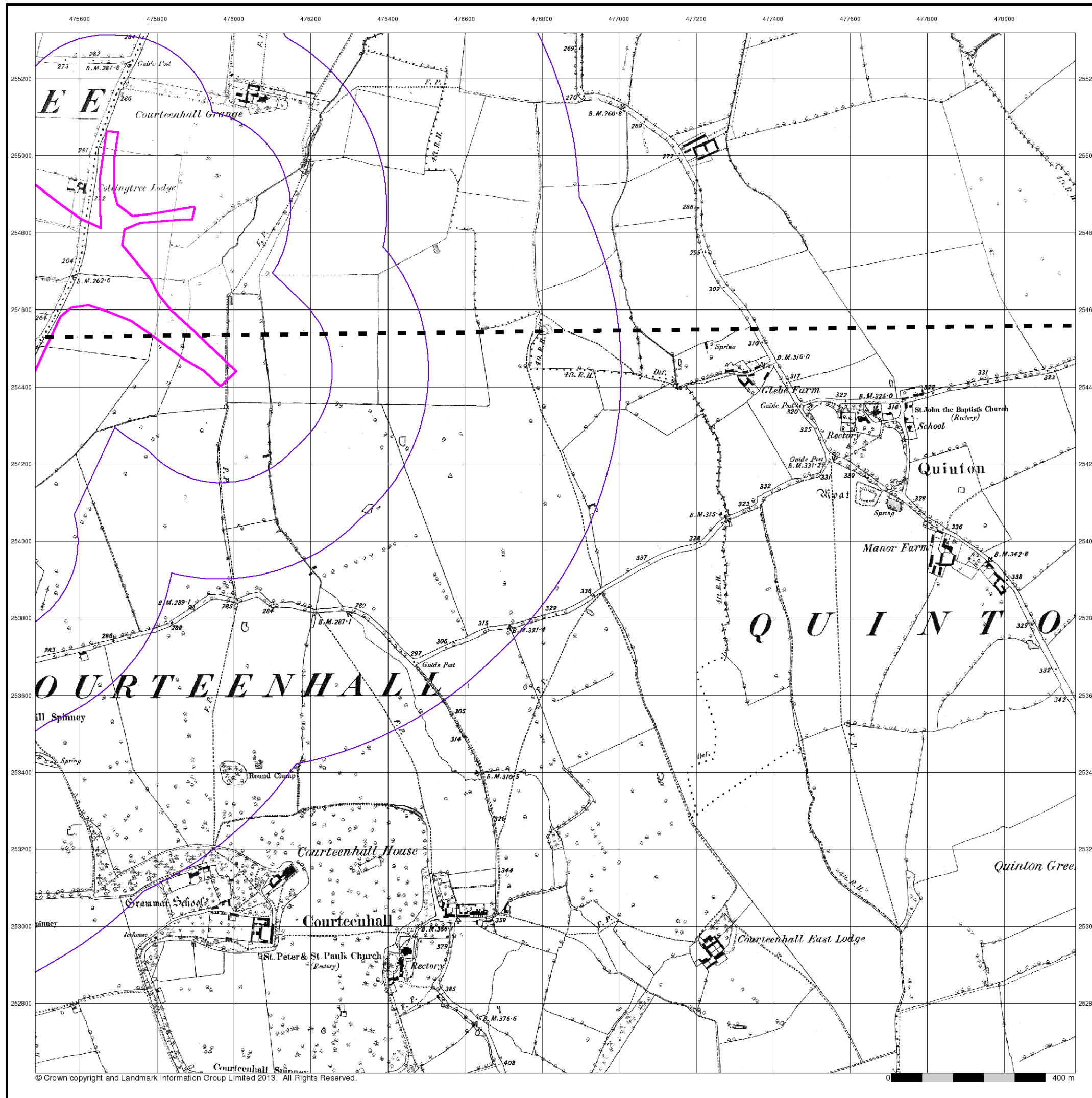


Order Details

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 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

Site Details

M1 Junction 15, NORTHAMPTON



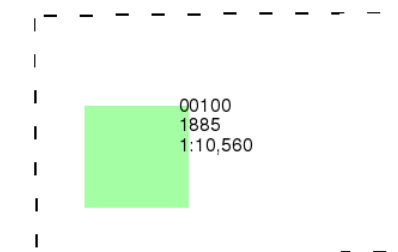
## Buckinghamshire

Published 1885

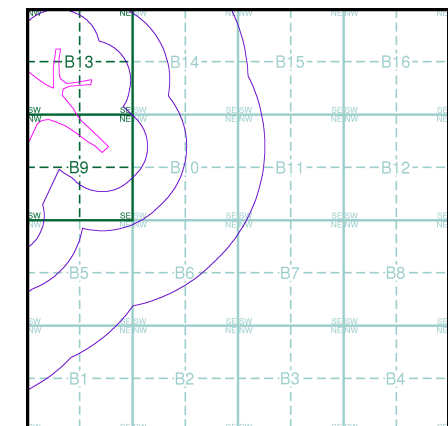
Source map scale - 1:10,560

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

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



### Historical Map - Slice B

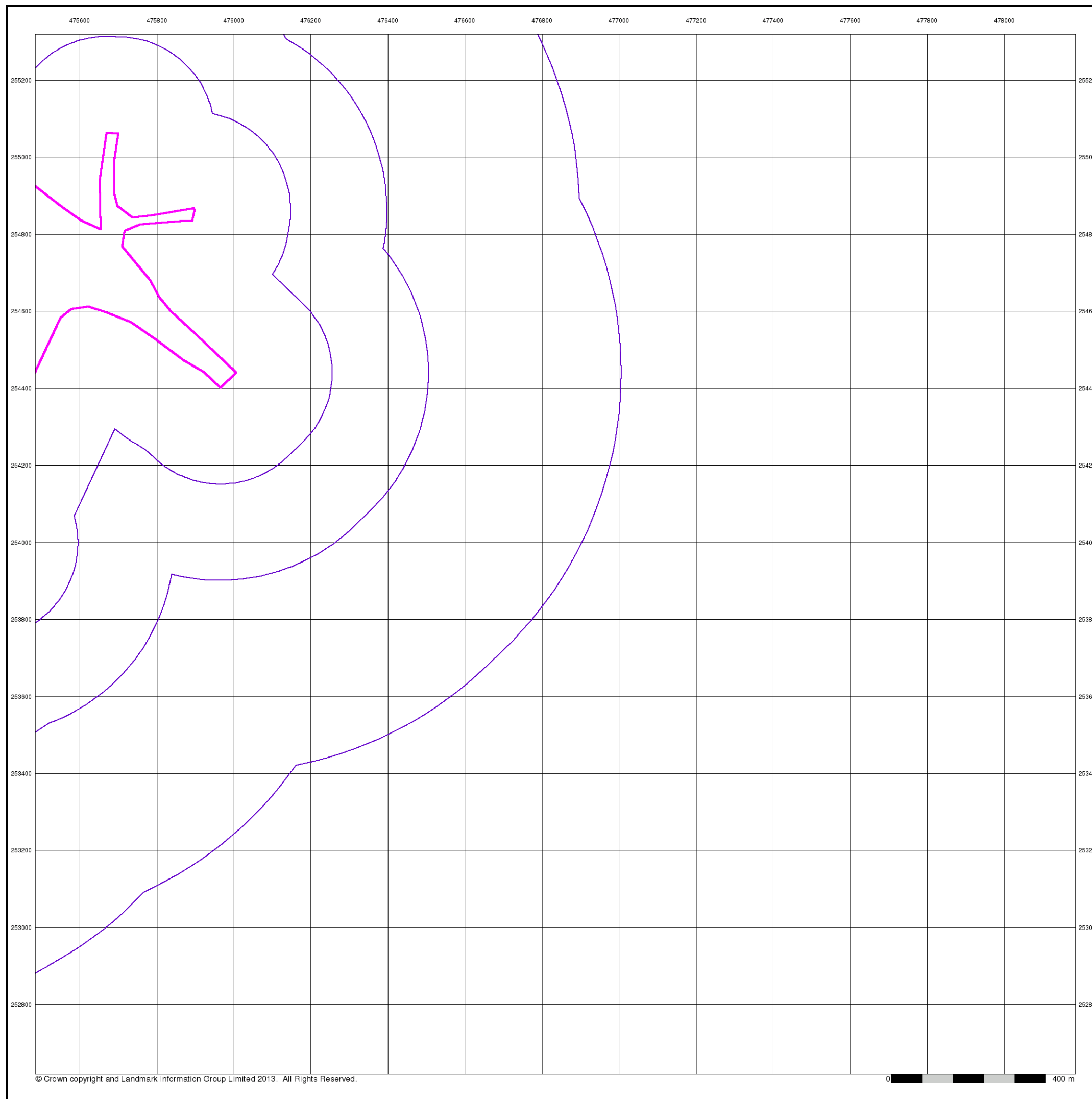


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1900 - 1901

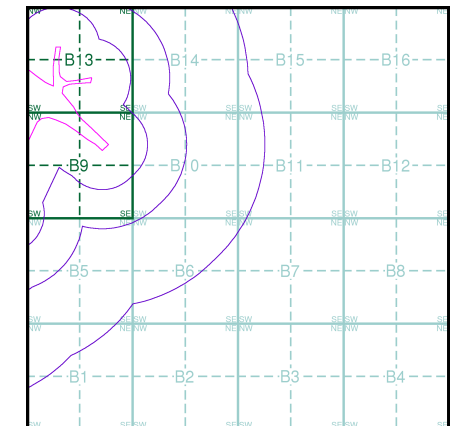
Source map scale - 1:10,560

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)

052NW	1901	1:10,560
052SW	1900	1:10,560

### Historical Map - Slice B

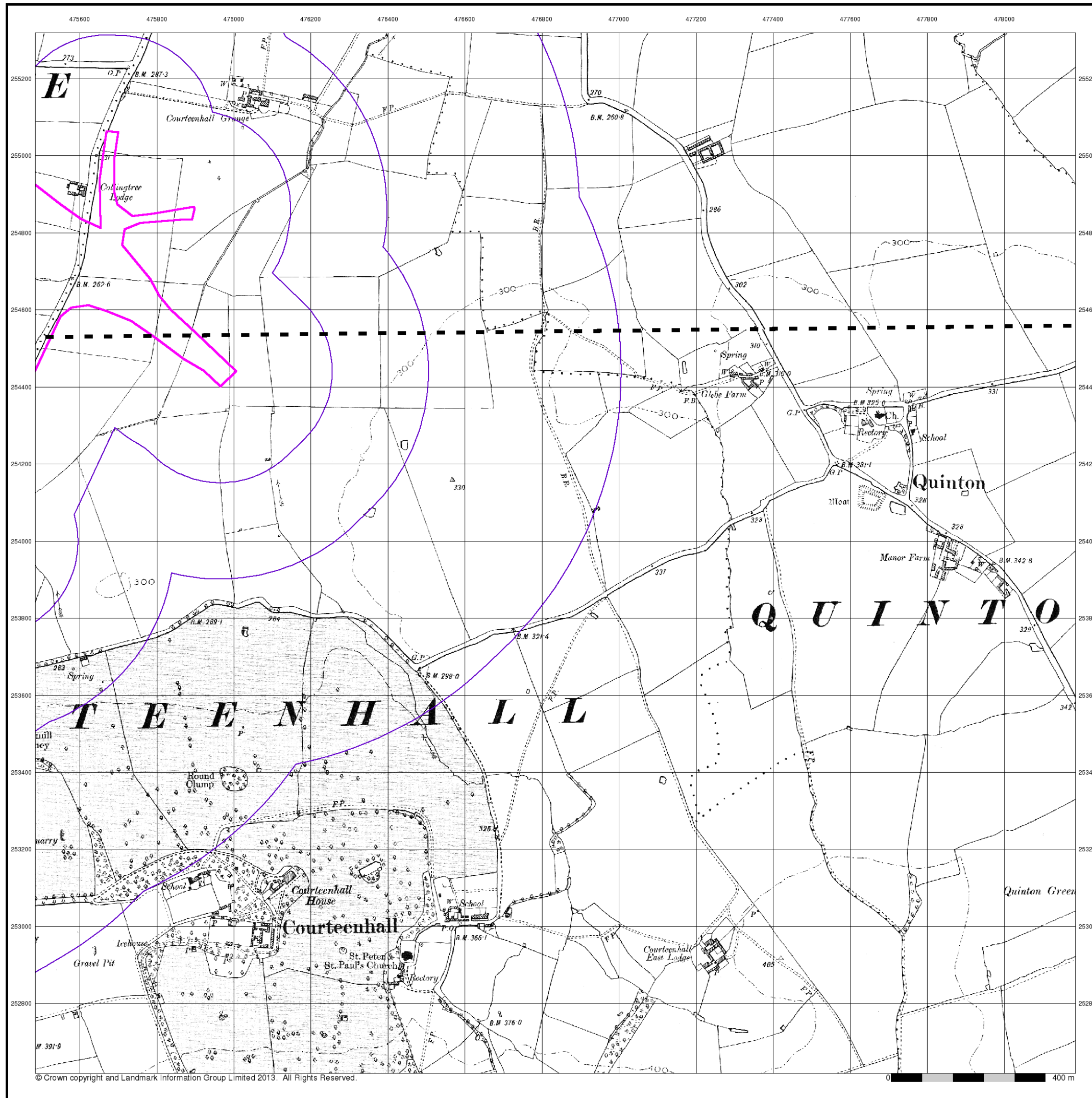


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



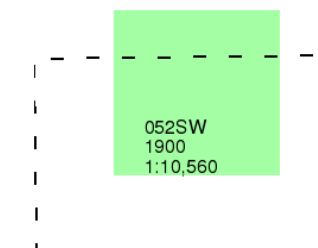
## Northamptonshire

Published 1900

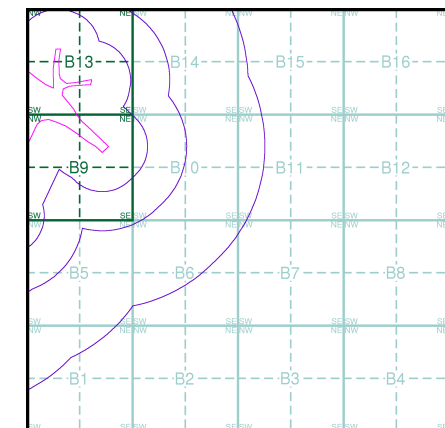
Source map scale - 1:10,560

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

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



### Historical Map - Slice B

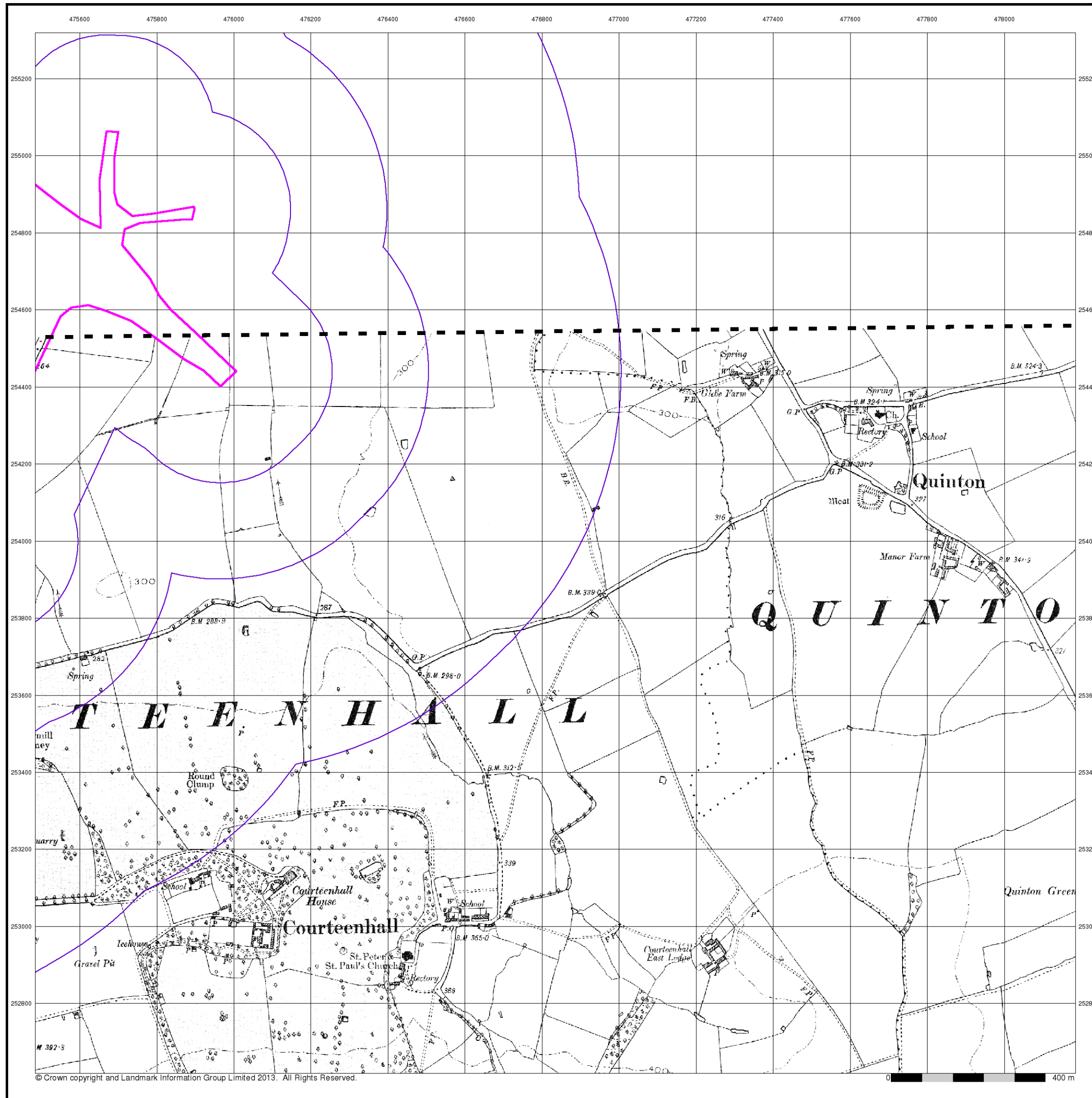


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Historical Aerial Photography

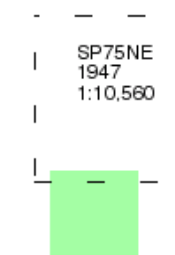
Published 1947

Source map scale - 1:10,560

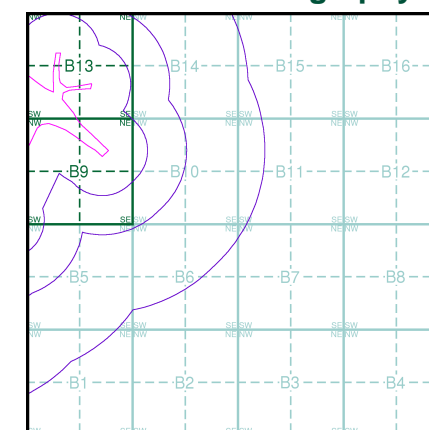
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

© Landmark Information Group and/or Data Suppliers 2010.

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



### Historical Aerial Photography - Slice B

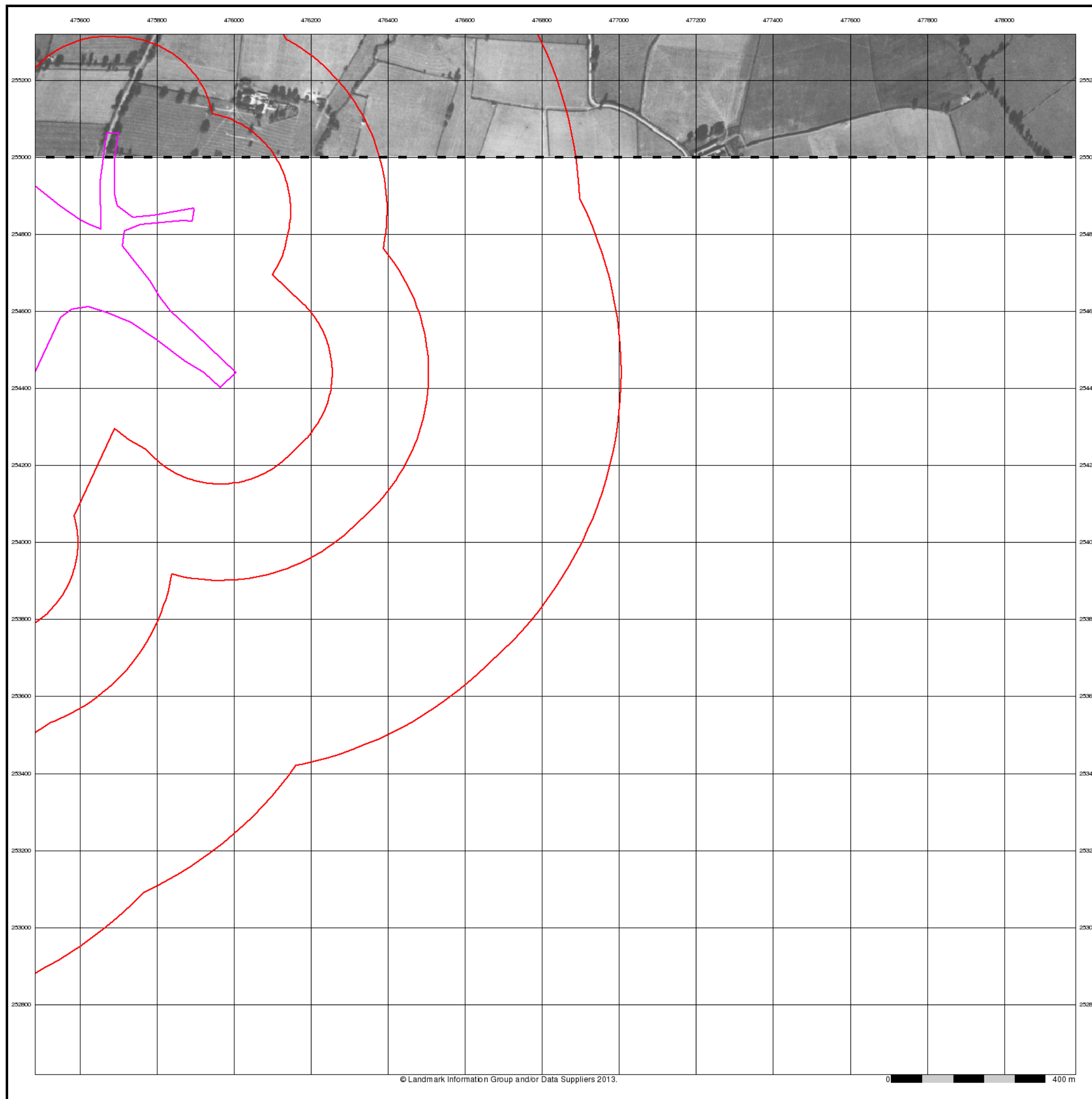


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



Northamptonshire

Published 1952

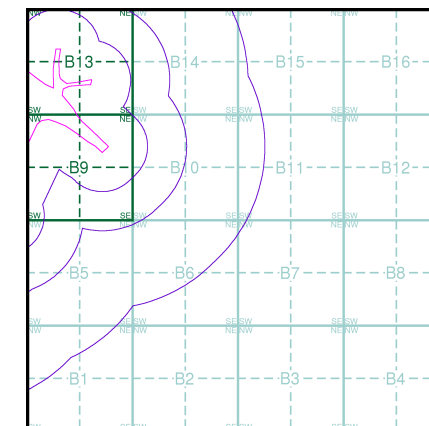
Source map scale - 1:10,560

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)

052NW	1952	1:10,560
052SW	1952	1:10,560

Historical Map - Slice B

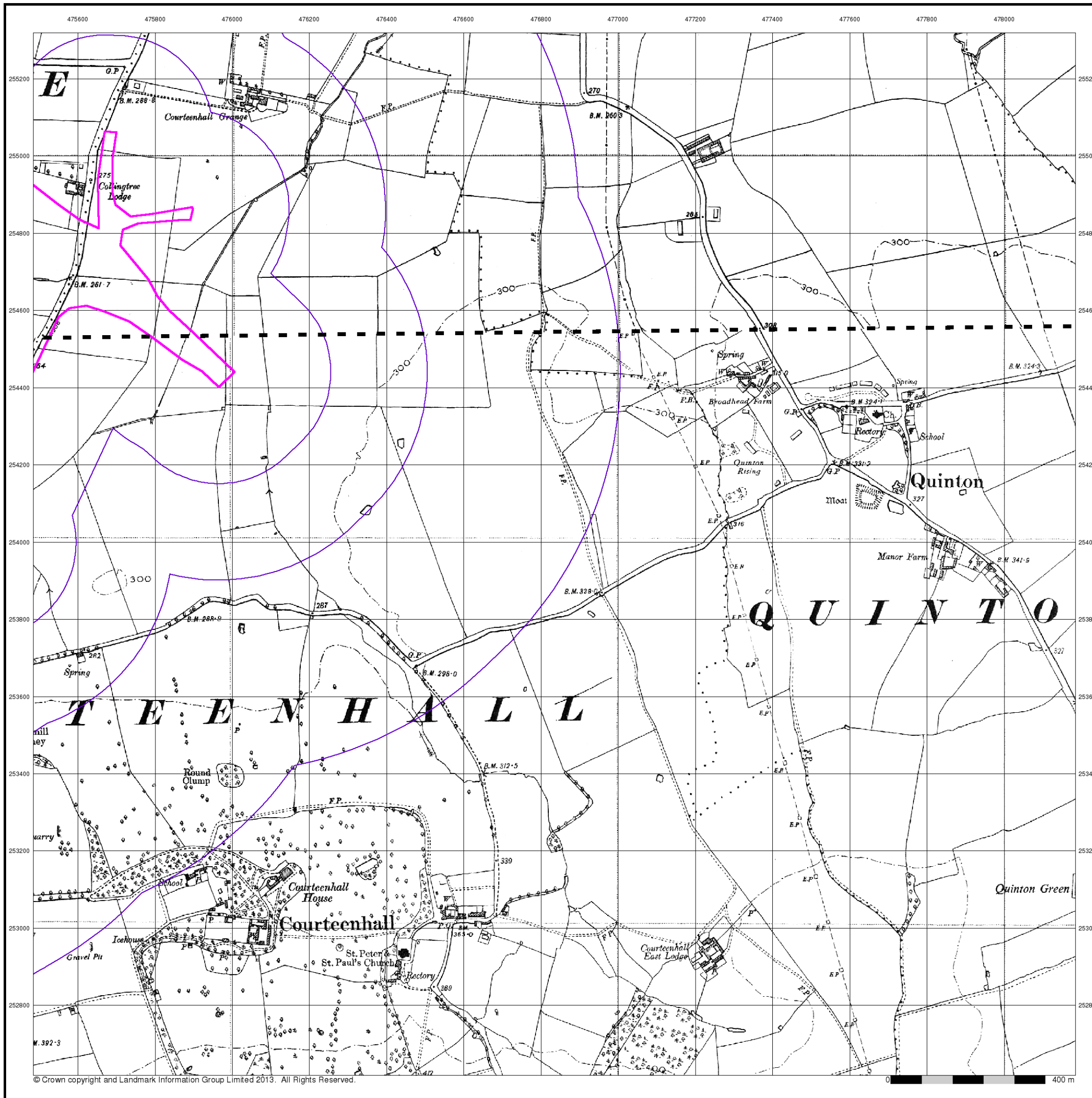


Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1958

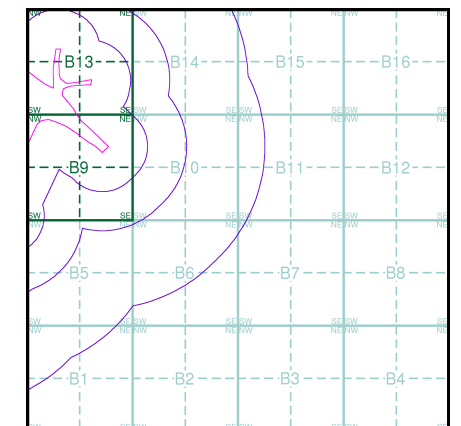
Source map scale - 1:10,000

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)

SP75NE	1958
1:10,560	
SP75SE	1958
1:10,560	

### Historical Map - Slice B

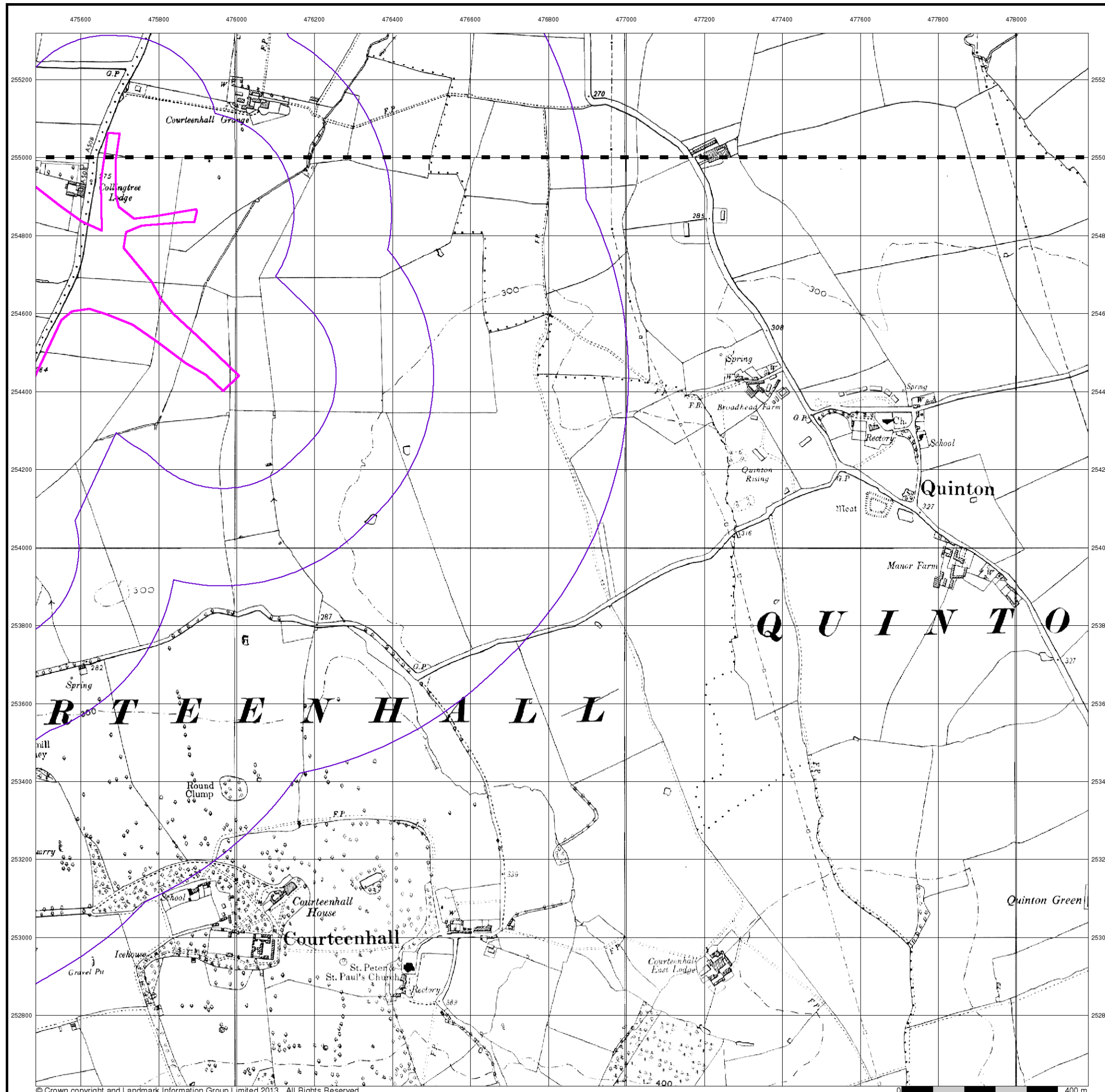


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1965 - 1968

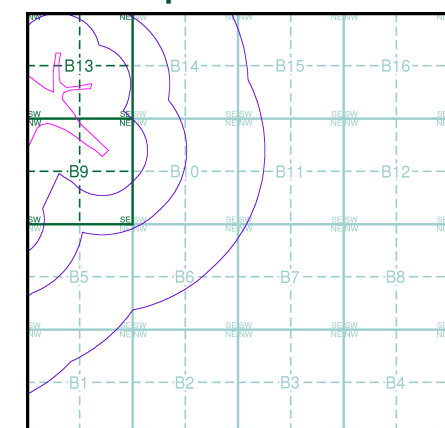
Source map scale - 1:10,000

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

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

SP75NE	1965	1:10,560
SP75SE	1968	1:10,560

### Historical Map - Slice B

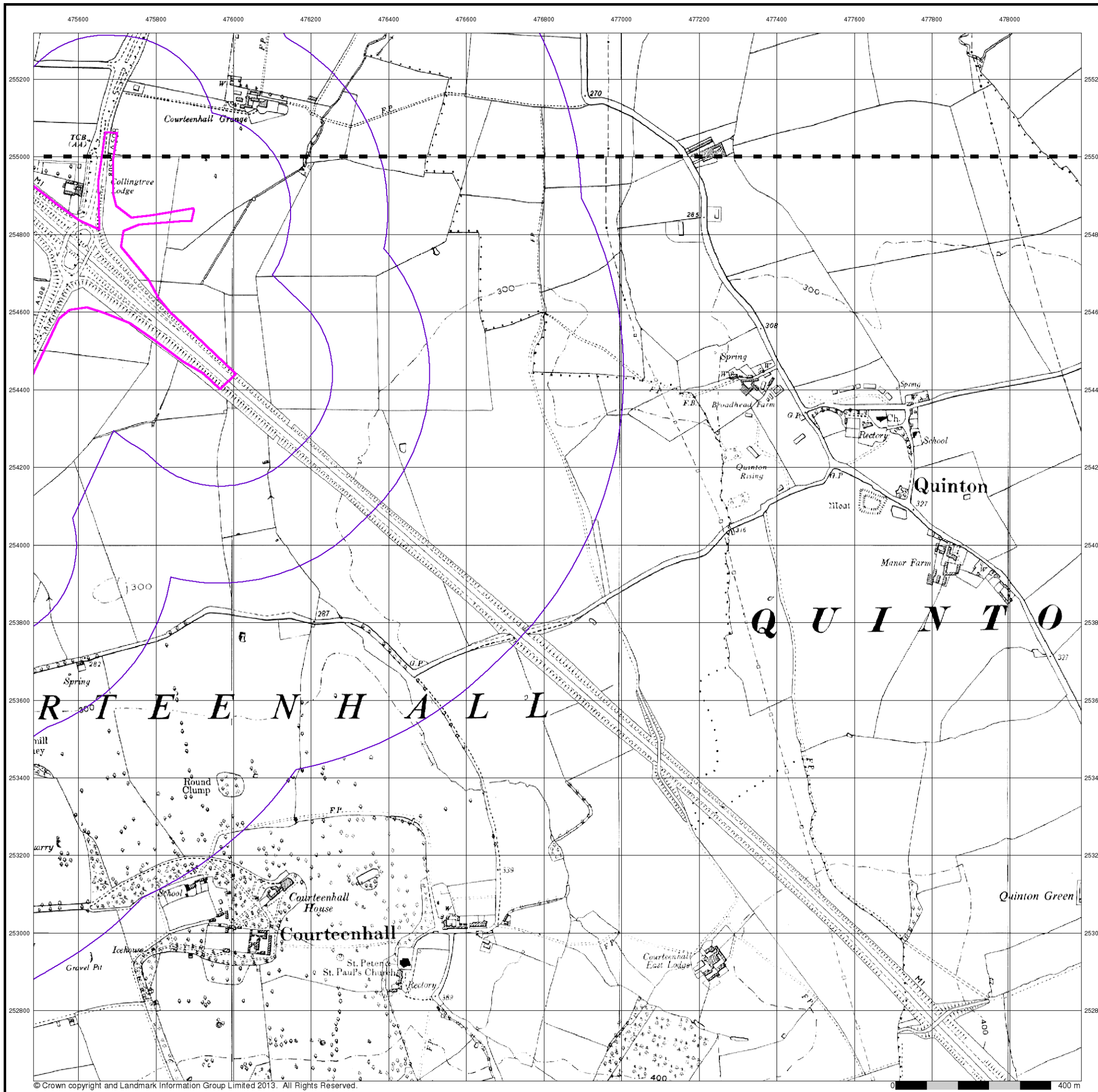


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON





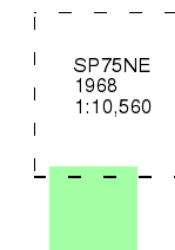
## Ordnance Survey Plan

Published 1968

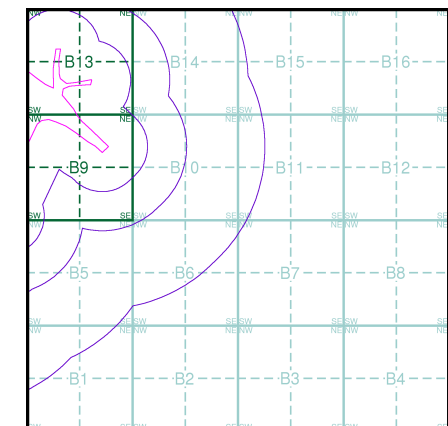
Source map scale - 1:10,000

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

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



### Historical Map - Slice B

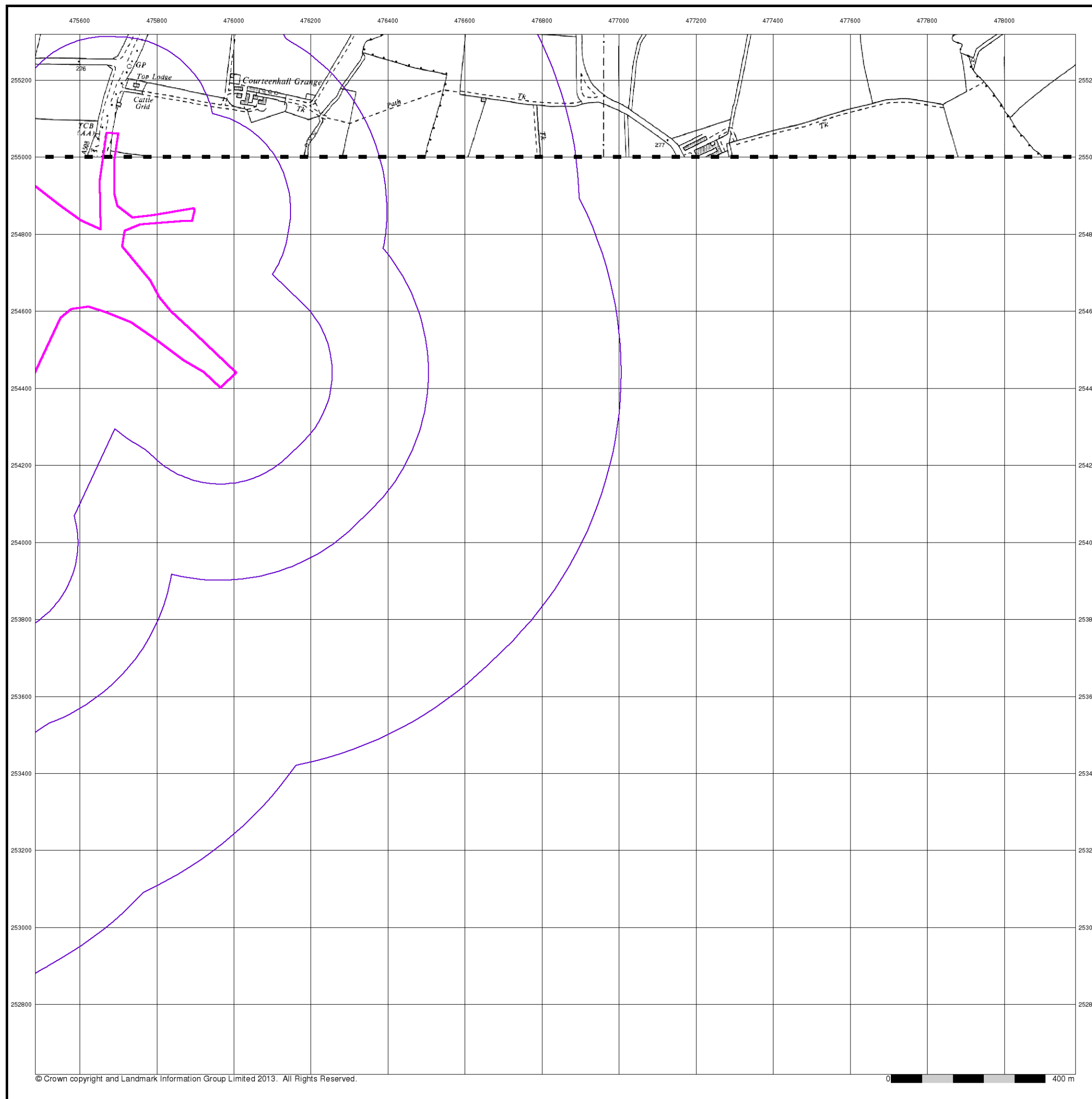


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Northampton

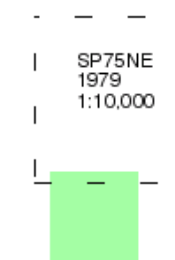
Published 1979

Source map scale - 1:10,000

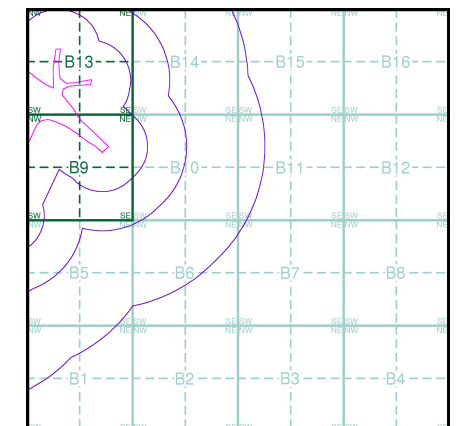
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

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



### Russian Map - Slice B

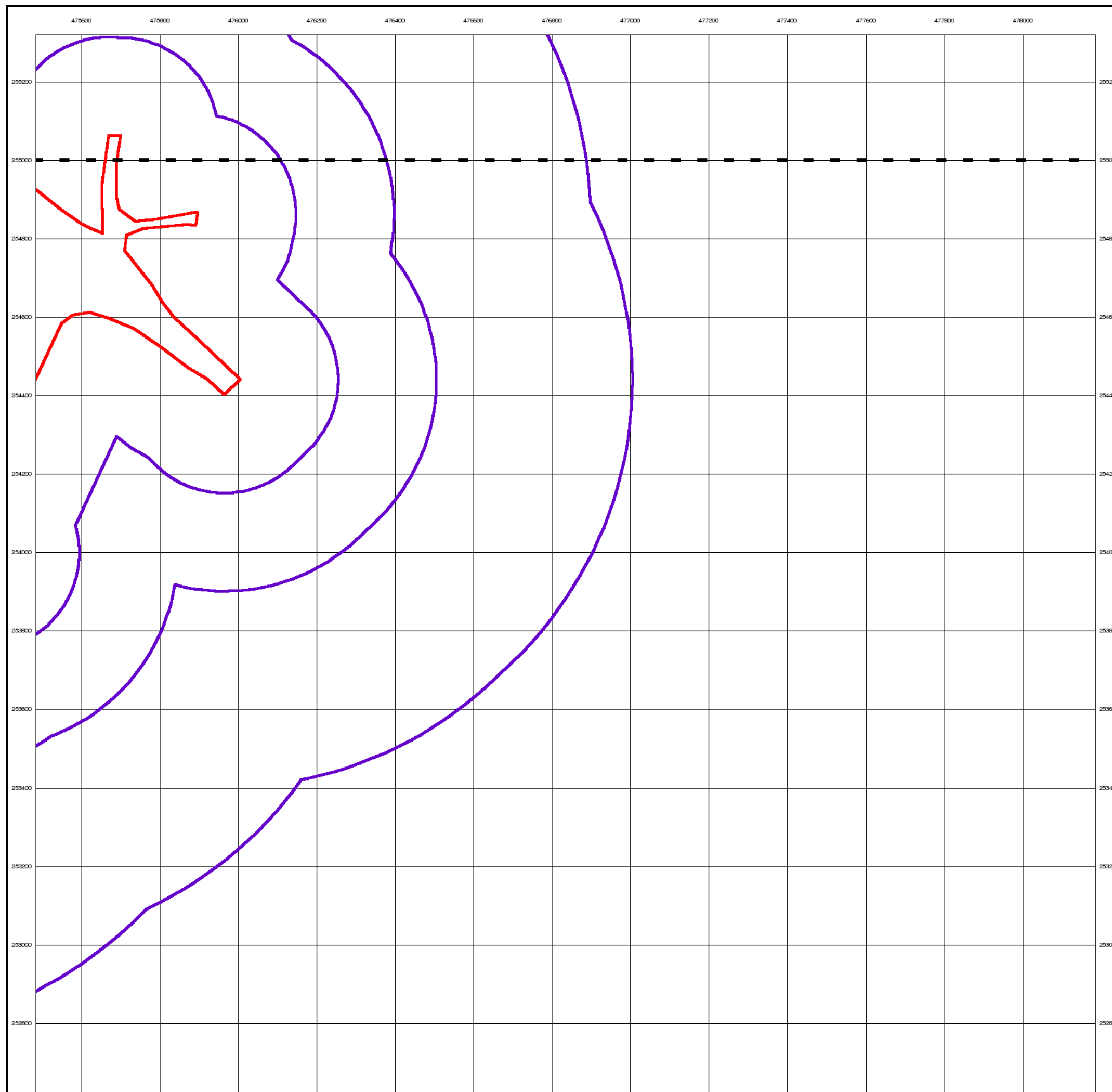


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



### Ordnance Survey Plan

Published 1982 - 1983

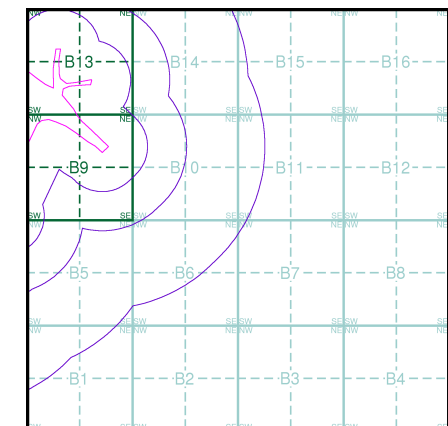
Source map scale - 1:10,000

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)

SP75NE	1983	1:10,000
SP75SE	1982	1:10,000

### Historical Map - Slice B

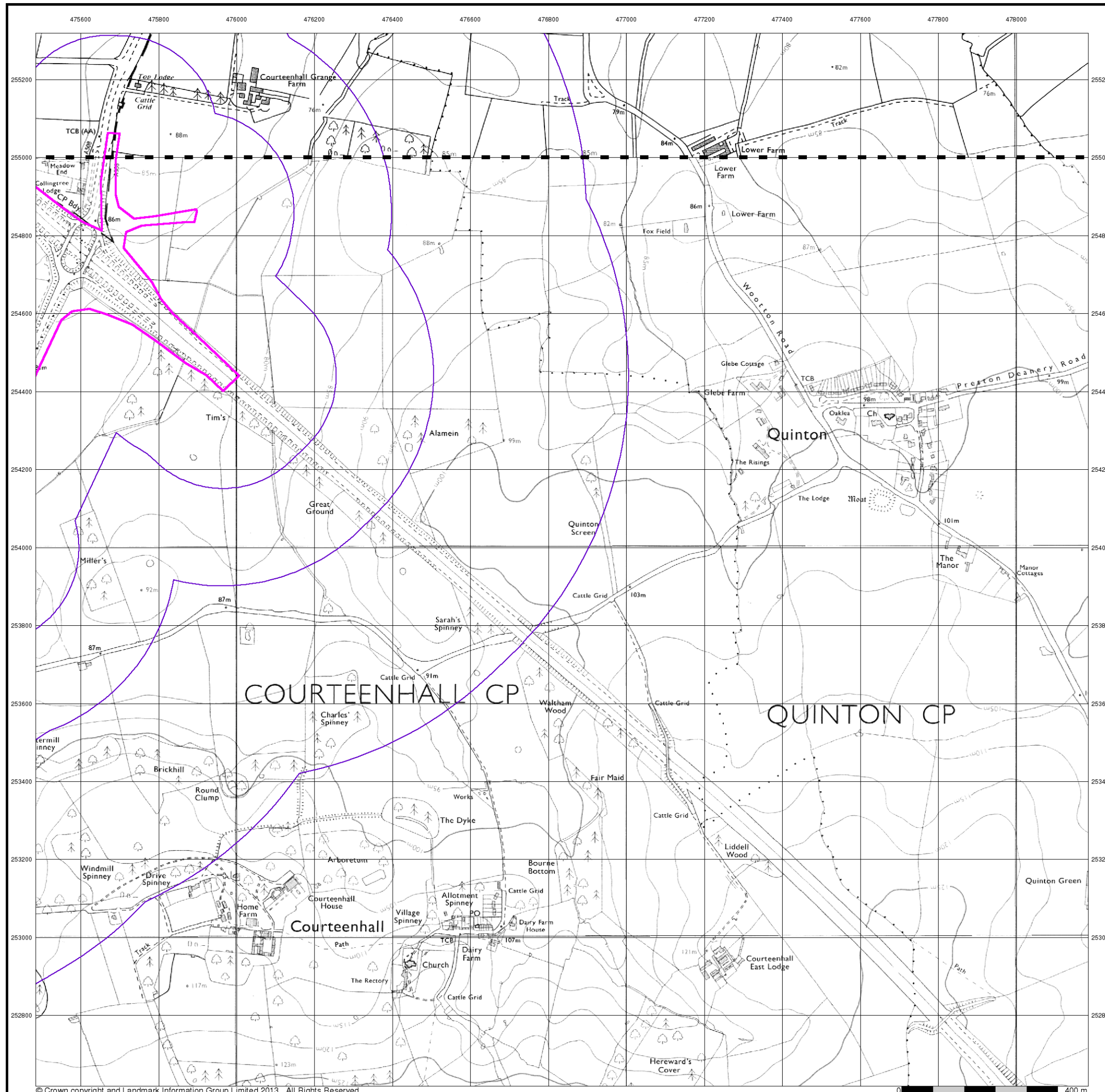


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



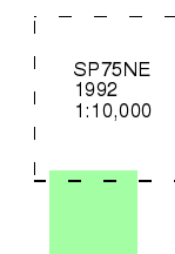
## Ordnance Survey Plan

Published 1992

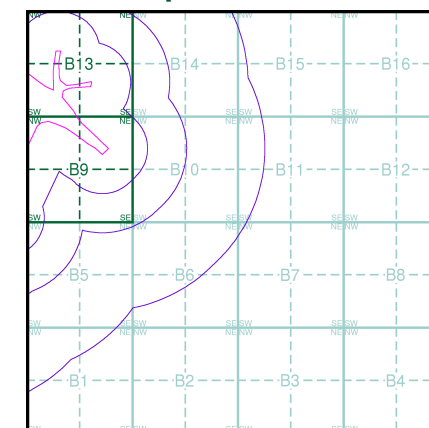
Source map scale - 1:10,000

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

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



### Historical Map - Slice B

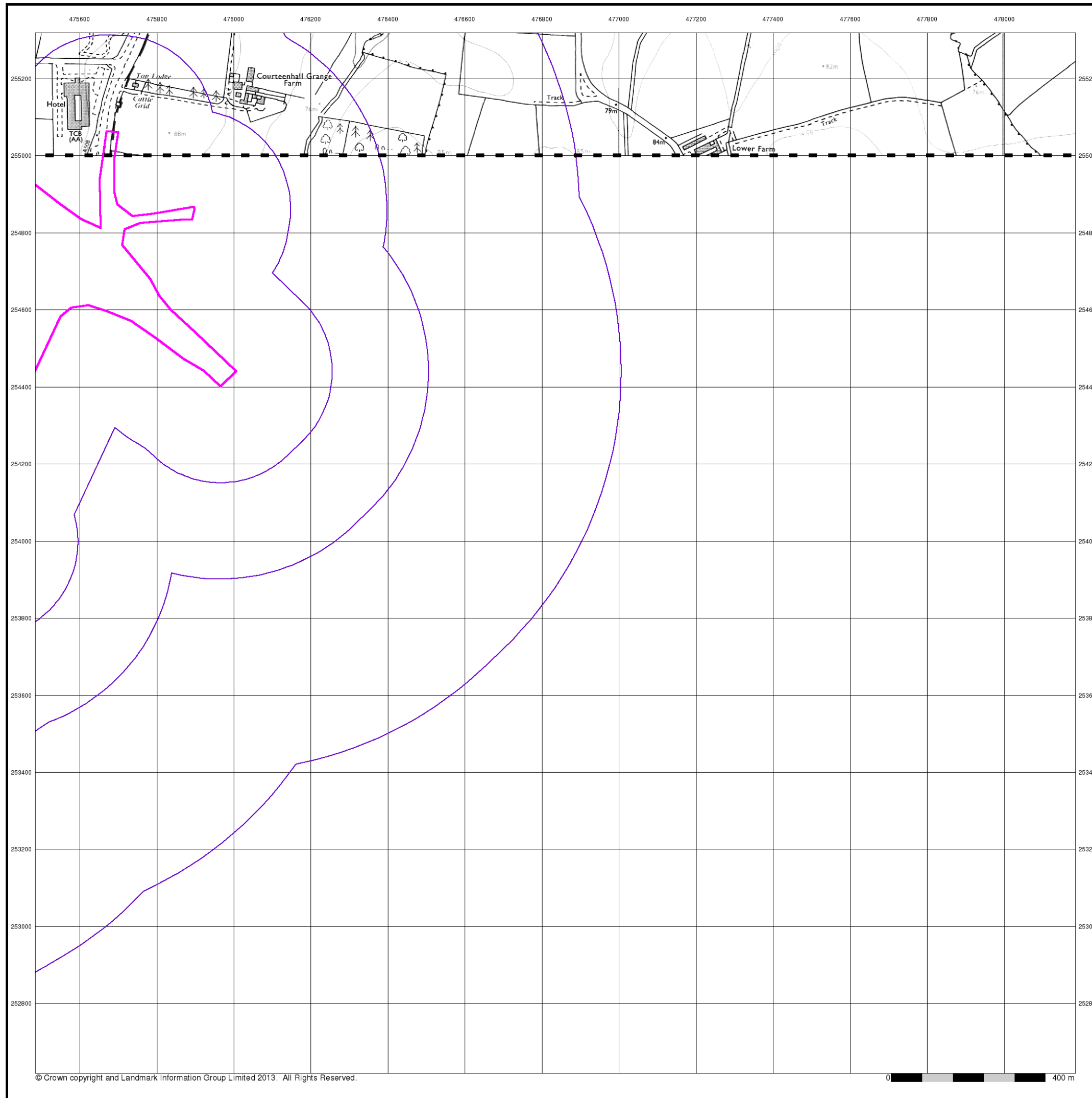


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



### 10k Raster Mapping

Published 2006

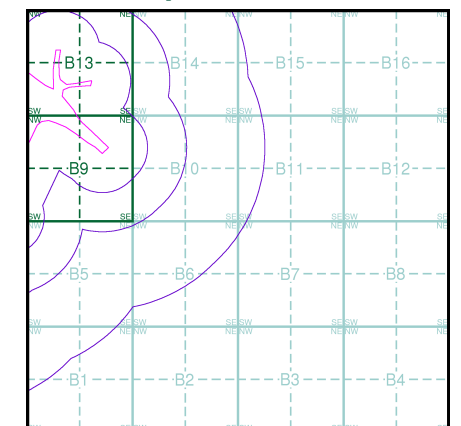
Source map scale - 1:10,000

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)

SP75NE	2006	1:10,000
SP75SE	2006	1:10,000

### Historical Map - Slice B

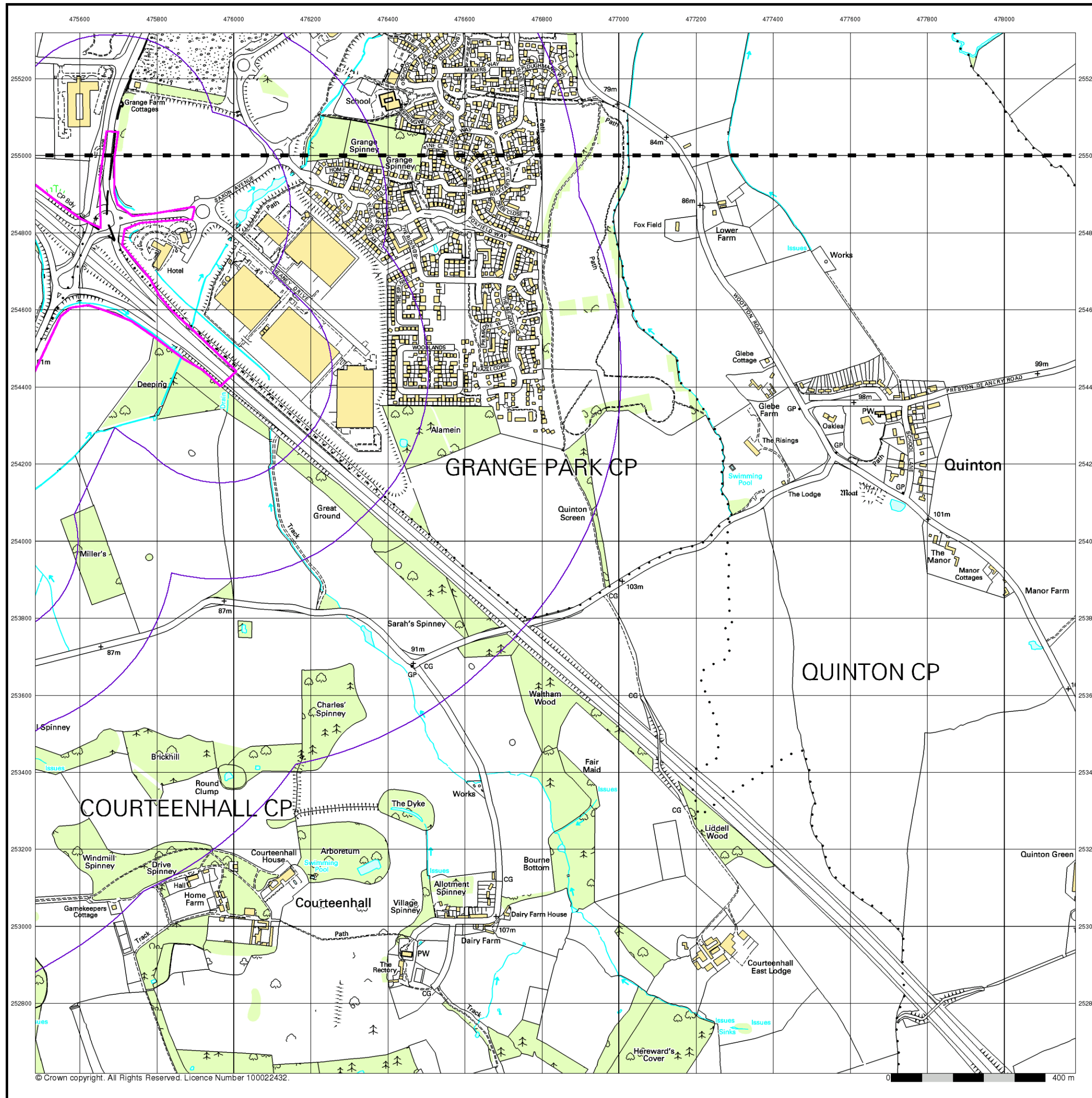


### Order Details

Order Number:	59121721_1_1
Customer Ref:	312598
National Grid Reference:	476150, 254320
Slice:	B
Site Area (Ha):	172.72
Search Buffer (m):	1000

### Site Details

M1 Junction 15, NORTHAMPTON



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## VectorMap Local

Published 2014

Source map scale - 1:10,000

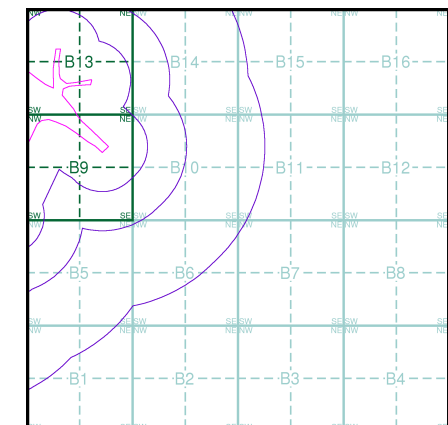
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap 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)

SP75NE  
2014  
Variable

SP75SE  
2014  
Variable

### Historical Map - Slice B

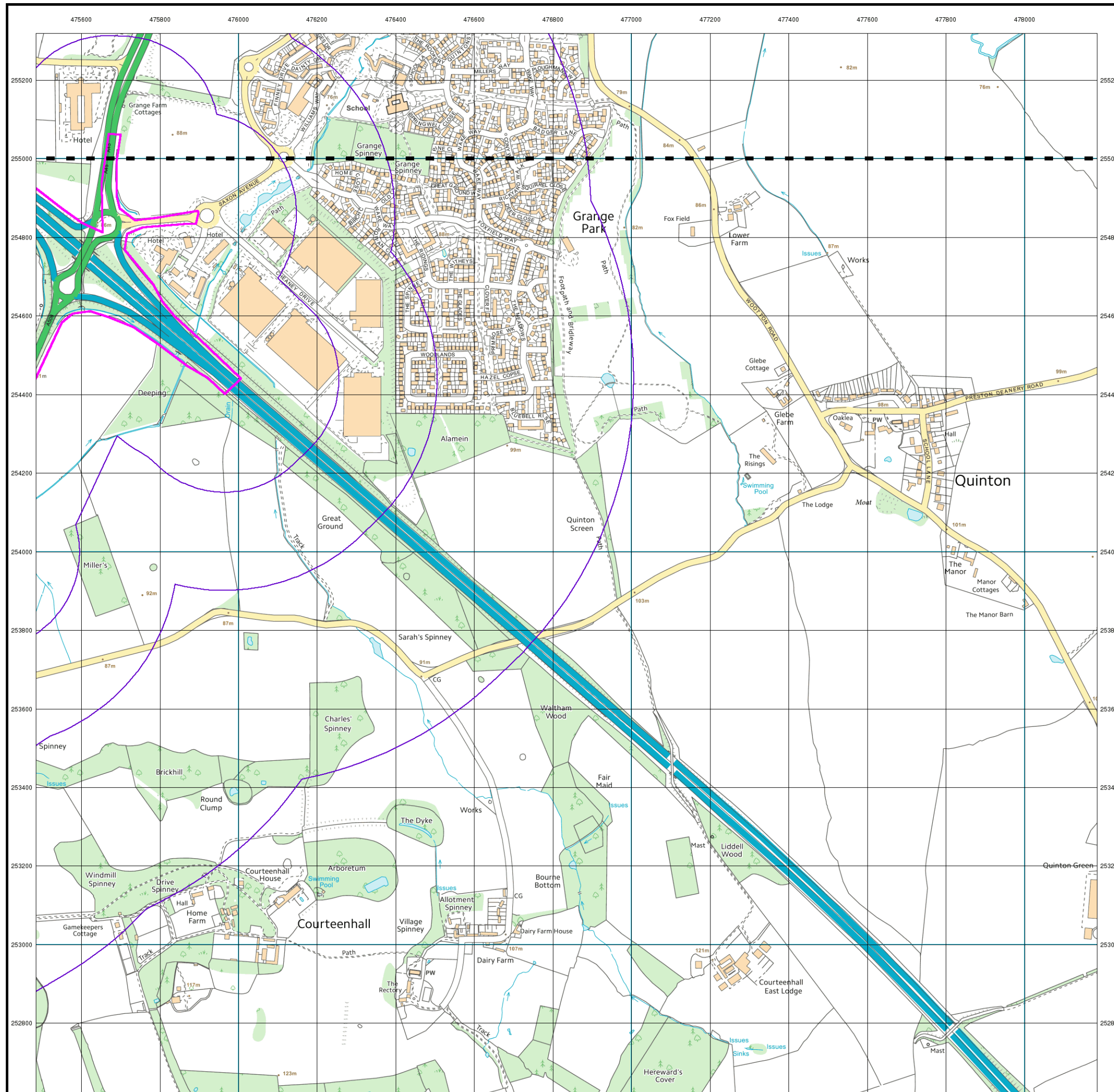


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

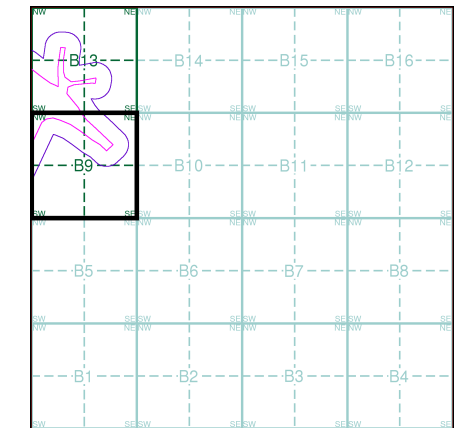
### Site Details

M1 Junction 15, NORTHAMPTON



- 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 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

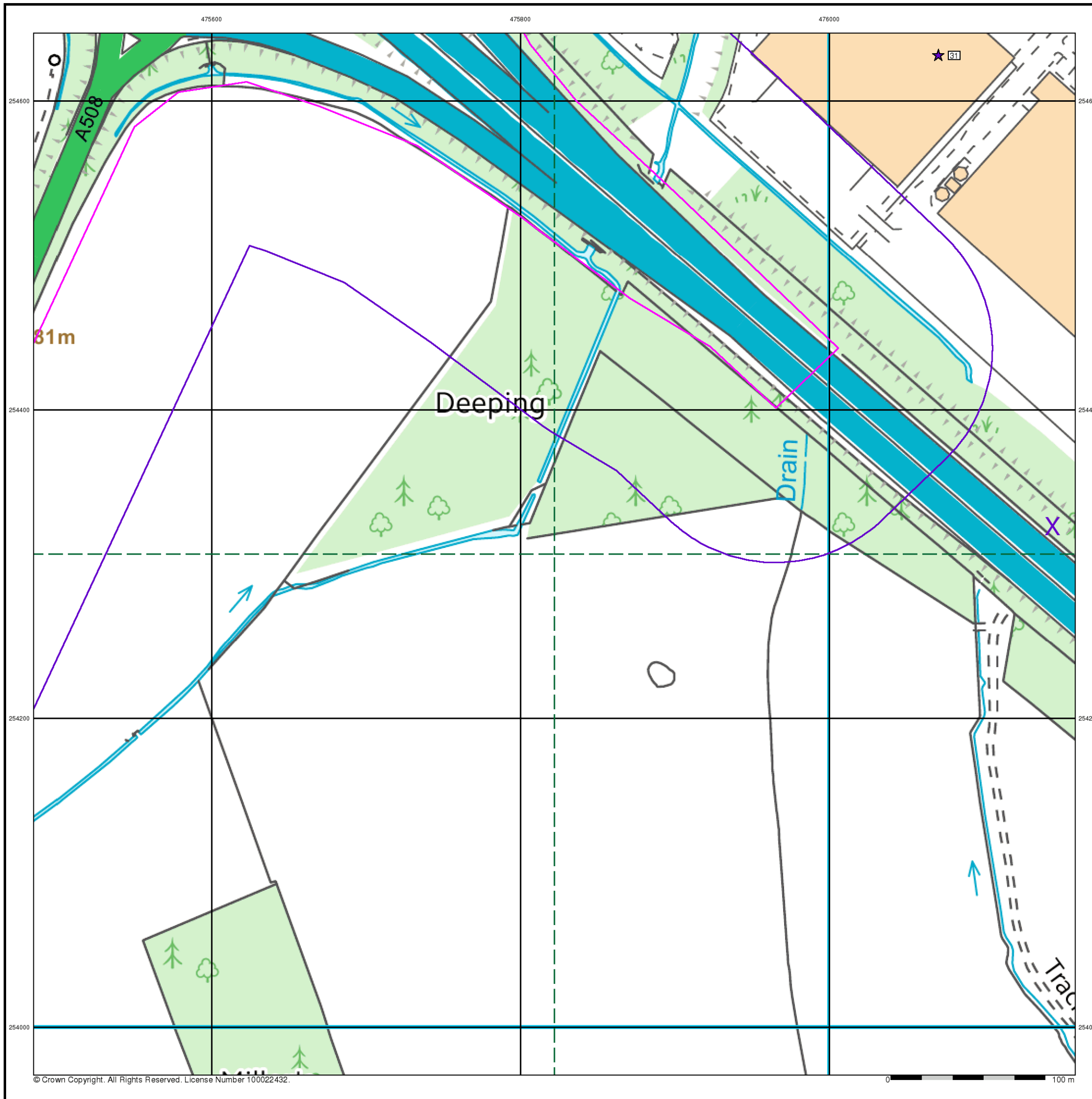
**Site Sensitivity Map - Segment B9**



**Order Details**

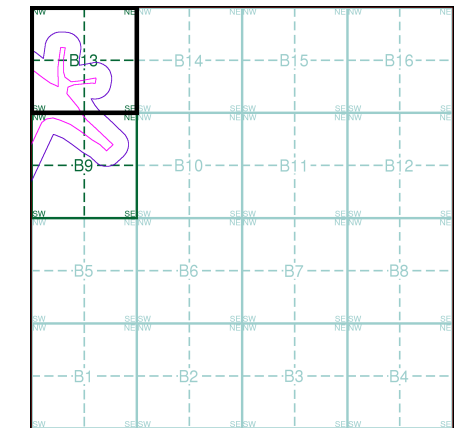
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72

**Site Details**  
 M1 Junction 15, NORTHAMPTON



- 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 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

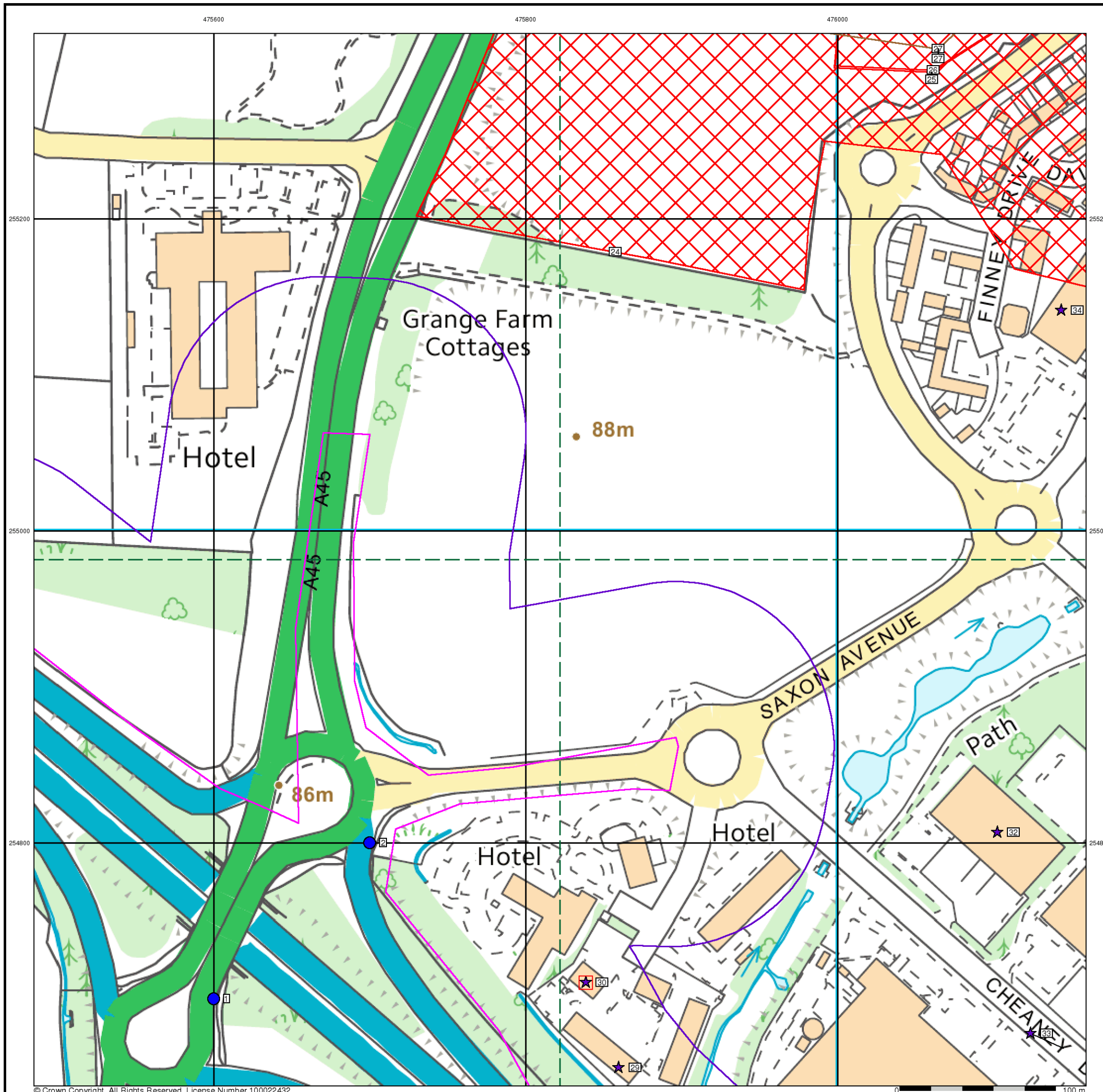
**Site Sensitivity Map - Segment B13**



**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72

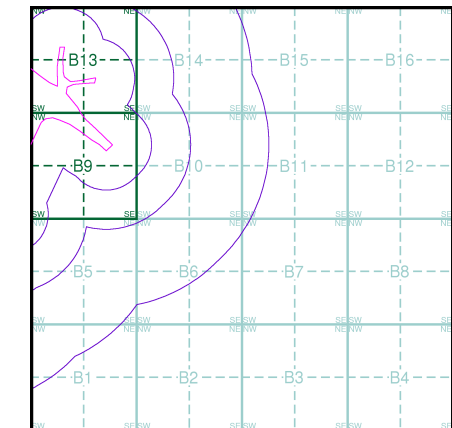
**Site Details**  
 M1 Junction 15, NORTHAMPTON





- 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
- 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

### Site Sensitivity Map - Slice B



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000




### Site Details

M1 Junction 15, NORTHAMPTON










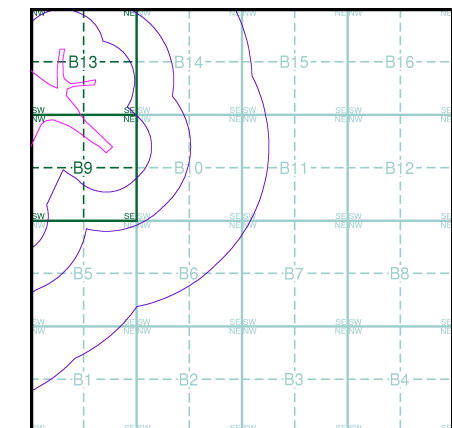
**General**

-  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 B**

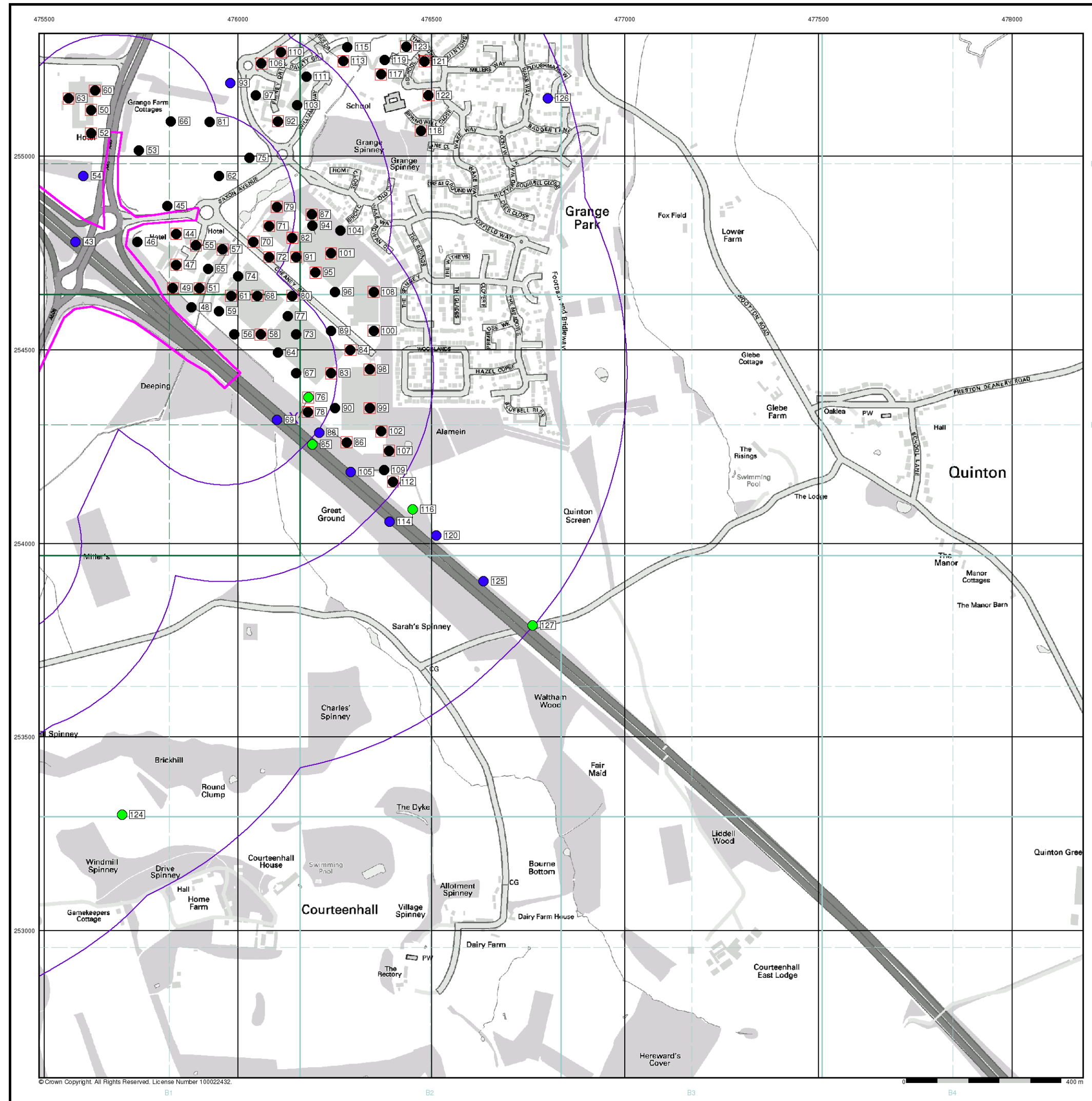


**Order Details**






Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**






M1 Junction 15, NORTHAMPTON



**General**

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

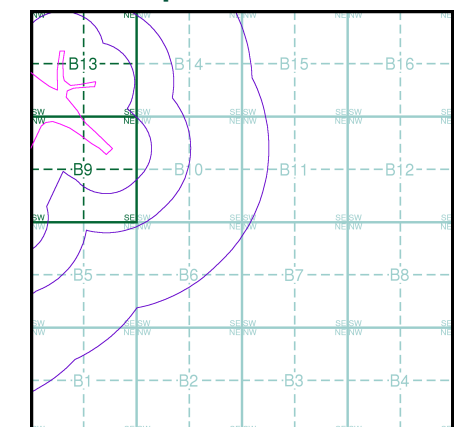
**Agency and Hydrological (Boreholes)**

-  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 B**







**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000







**Site Details**

M1 Junction 15, NORTHAMPTON

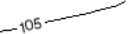


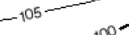



### General

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

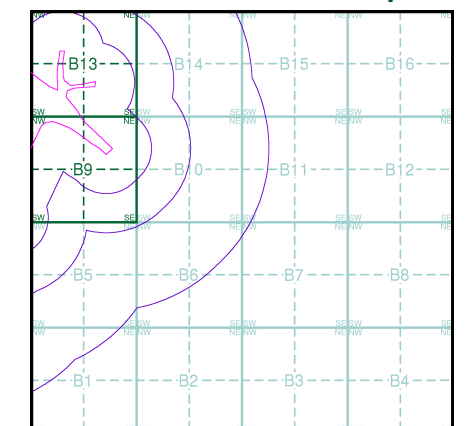
### EA Detailed River Network Data

- |  |   |
|--|---|
|  Primary River            |  Extended Culvert (greater than 50m) |
|  Secondary River          |  Underground River (inferred)        |
|  Tertiary River           |  Underground River (local knowledge) |
|  Canal                    |  Downstream of High Water Mark       |
|  Canal Tunnel             |  Downstream of Seaward Extension     |
|  Undefined River          |  Not assigned River feature          |
|  Lake/Reservoir           |   |
|  Offline Drainage Feature |   |

### Contours (height in metres)

- Standard Contour  105  100  95
- Index Contour  167.3  45.8
- Spot Height  167.3
- Air Height  45.8

### EA Detailed River Network Map - Slice B



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



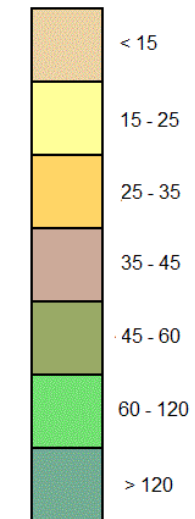
© Crown Copyright. All Rights Reserved. Ordnance Number 100000438.

**General**

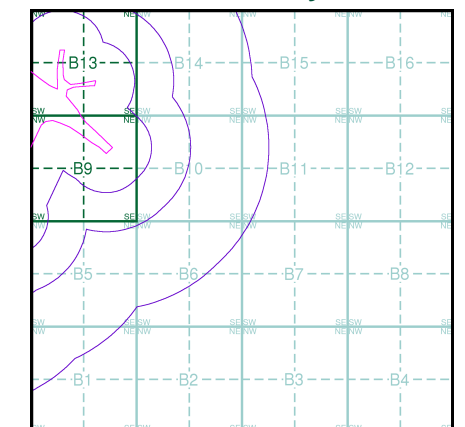
○ Specified Site    
 ○ Specified Buffer(s)    
 X Bearing Reference Point

**Estimated Soil Chemistry Arsenic**

Arsenic Concentrations mg/kg



**Estimated Soil Chemistry Arsenic - Slice B**

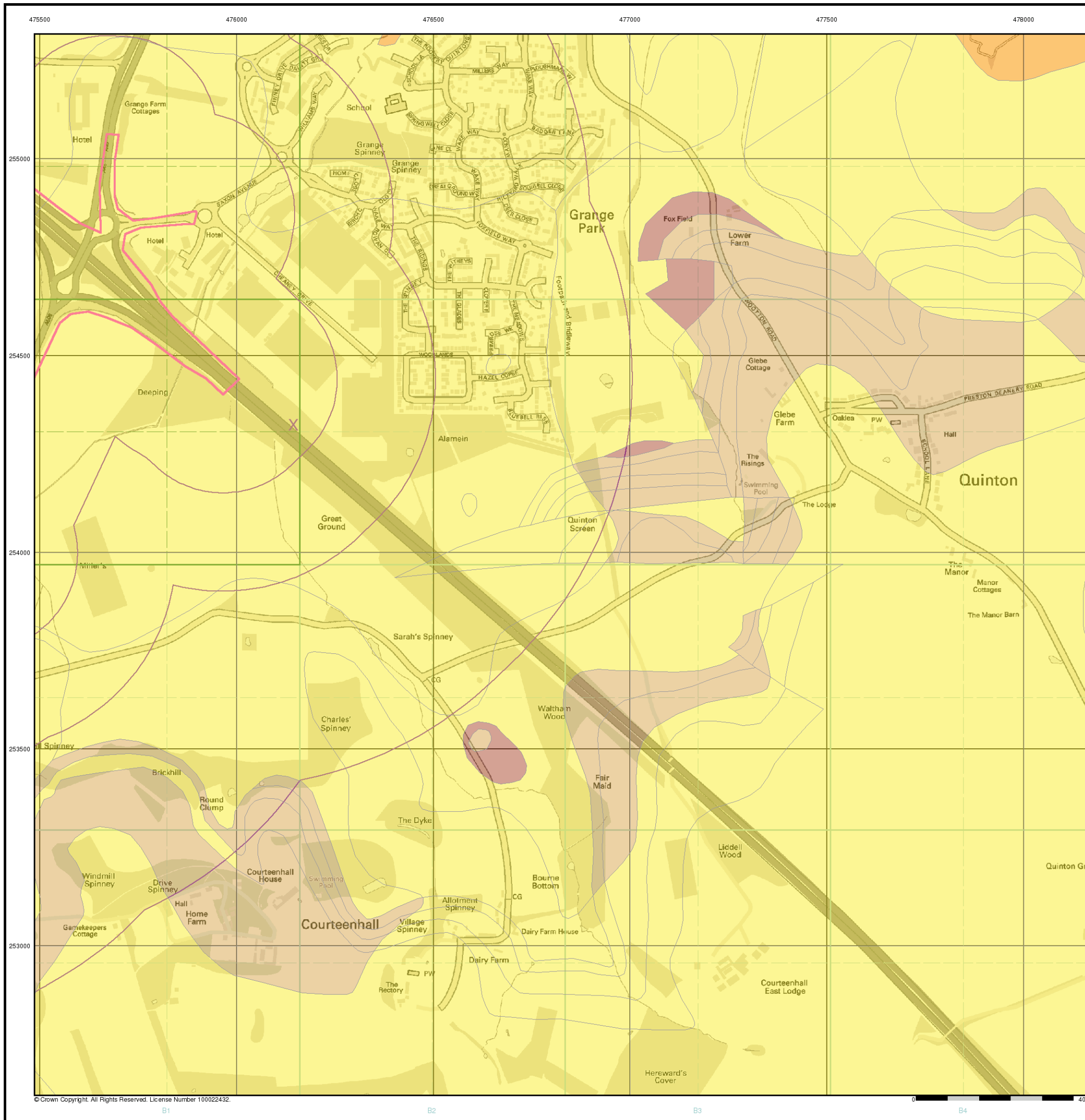


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON

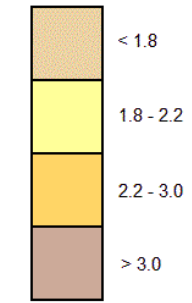


**General**

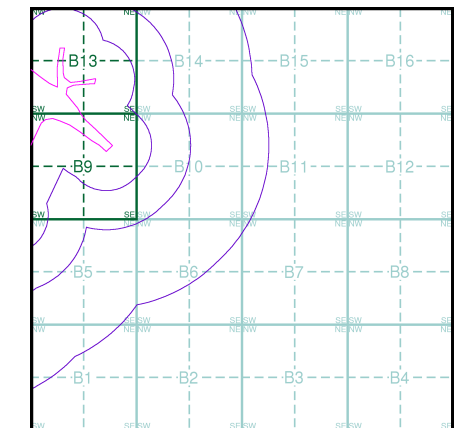
○ Specified Site     
 ○ Specified Buffer(s)     
 X Bearing Reference Point

**Estimated Soil Chemistry Cadmium**

Cadmium Concentrations mg/kg



**Estimated Soil Chemistry Cadmium - Slice B**

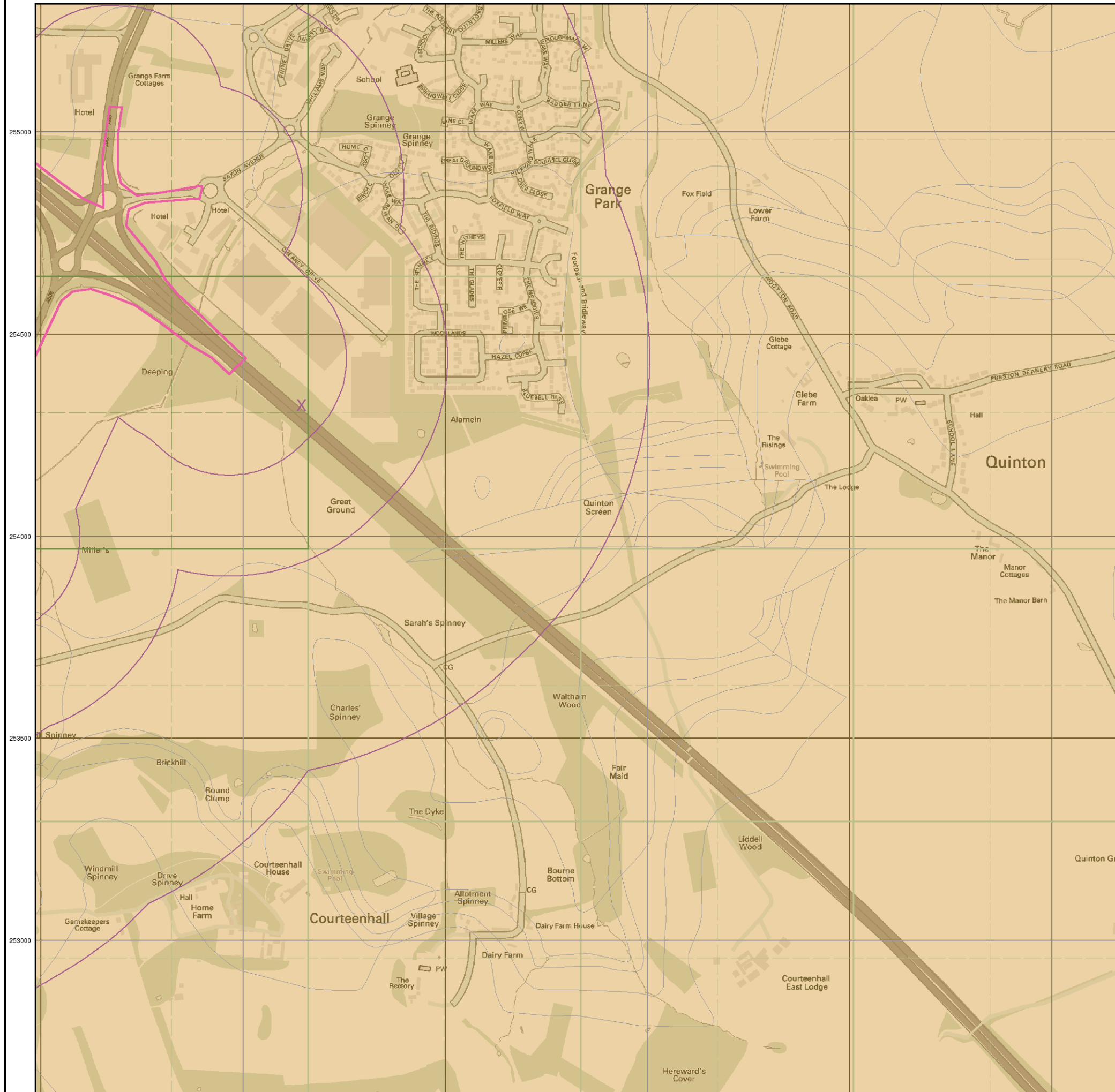


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON

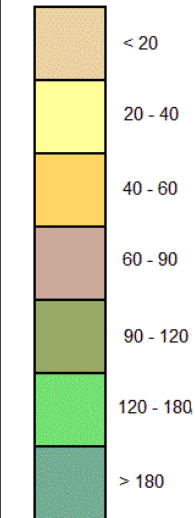


**General**

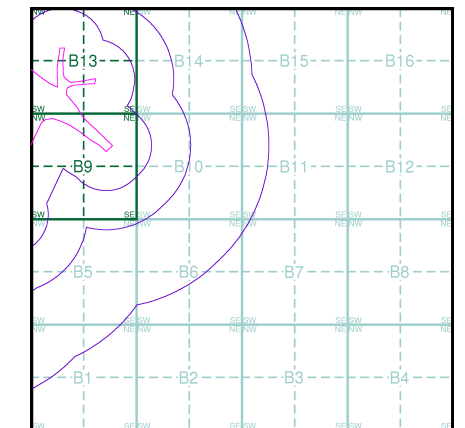
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Estimated Soil Chemistry Chromium**

Chromium Concentrations mg/kg



**Estimated Soil Chemistry Chromium - Slice B**



**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON

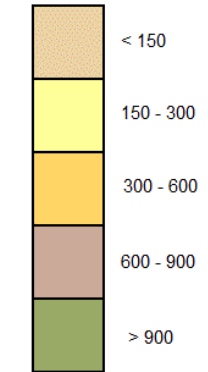


**General**

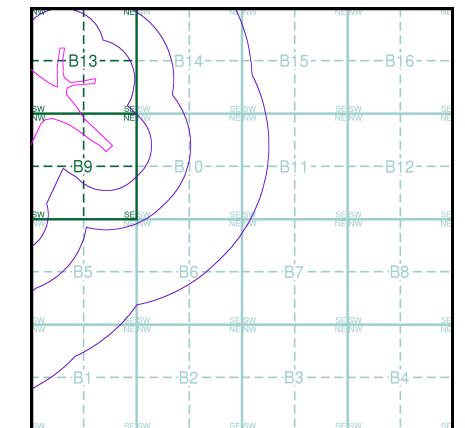
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Lead**

Lead Concentrations mg/kg



**Estimated Soil Chemistry Lead - Slice B**

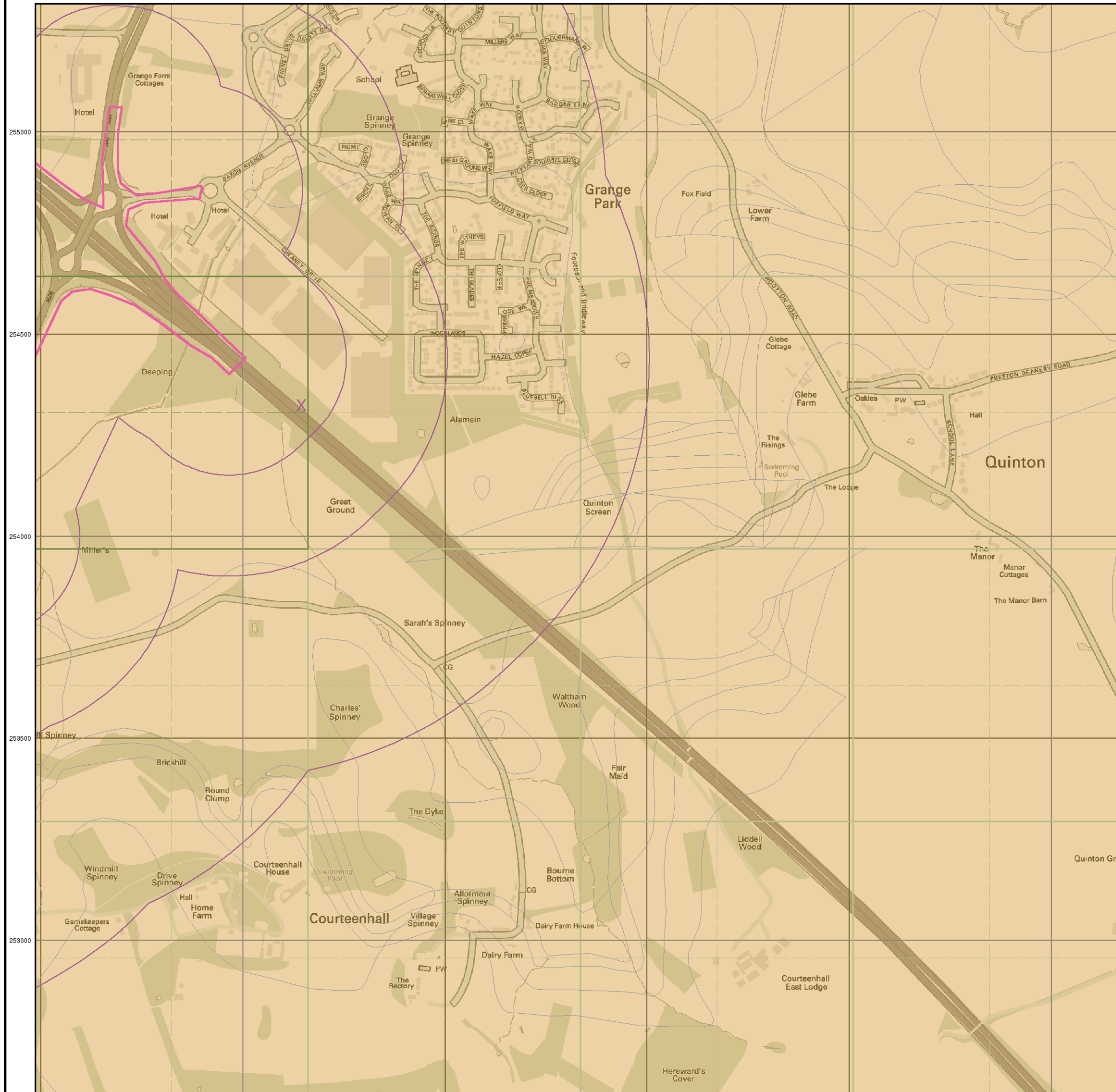


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



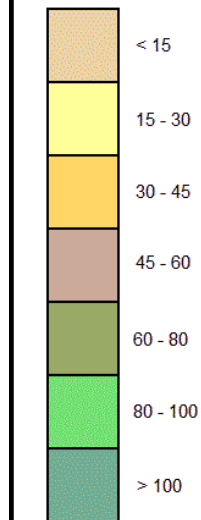


**General**

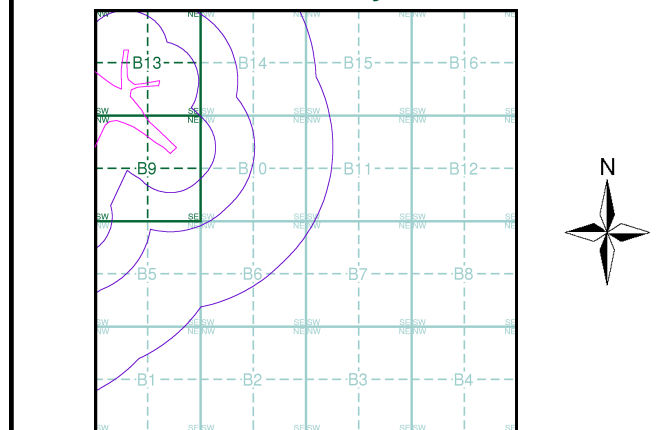
○ Specified Site    
 ○ Specified Buffer(s)    
 X Bearing Reference Point

**Estimated Soil Chemistry Nickel**

Nickel Concentrations mg/kg



**Estimated Soil Chemistry Nickel - Slice B**

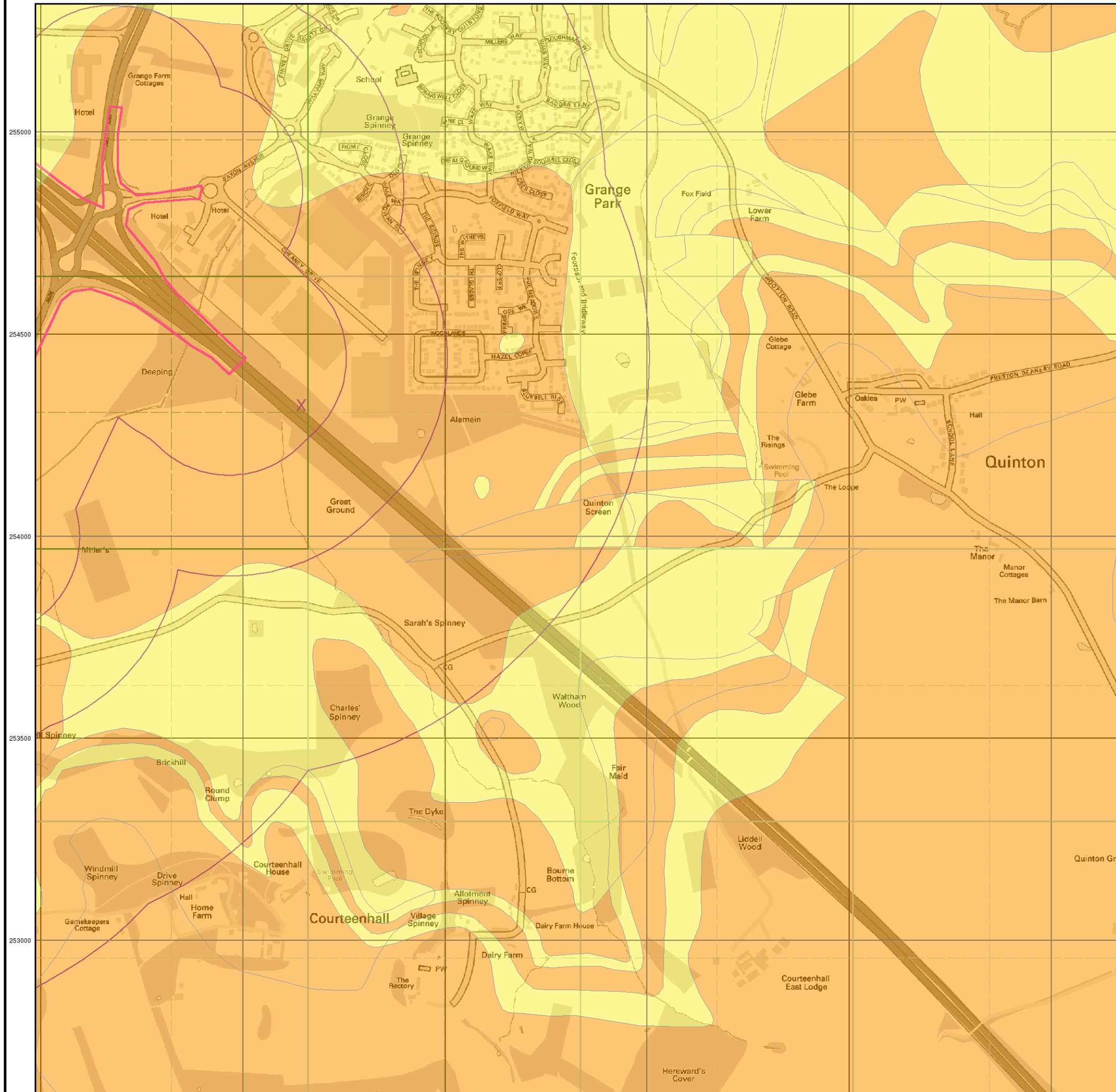


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



# 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)**  
**Boundary Post or Stone** **Police Call Box**  
**B.R. Bridle Road** **P. Pump**  
**E.P. Electricity Pylon** **S.P. Signal Post**  
**F.B. Foot Bridge** **Sl. Sluice**  
**F.P. Foot Path** **Sp. Spring**  
**G.P. Guide Post or Board** **T.C.B. Telephone Call Box**  
**M.S. Mile Stone** **Tr. Trough**  
**M.P. M.R. Mooring Post or Ring** **W. Well**

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

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

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

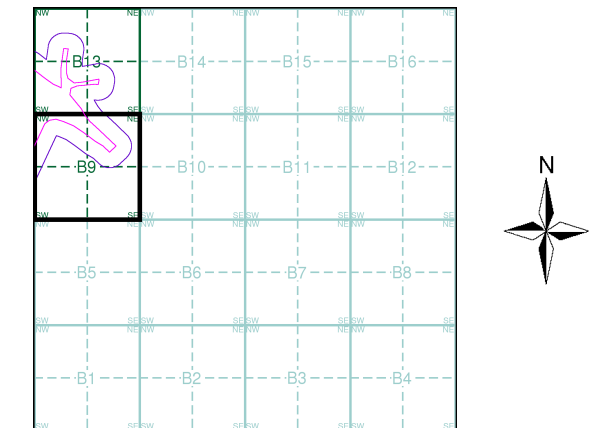
**Cliff** **Slopes** **Top**  
**Rock** **Rock (scattered)**  
**Boulders** **Boulders (scattered)**  
**Positioned Boulder** **Scree**  
**Non-Coniferous Tree (surveyed)** **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)** **Coniferous Trees (not surveyed)**  
**Orchard Tree** **Scrub** **Bracken**  
**Coppice, Osier** **Reeds** **Marsh, Saltings**  
**Rough Grassland** **Heath** **Culvert**  
**Direction of water flow** **Triangulation Station** **Antiquity (site of)**  
**Electricity Transmission Line** **Electricity Pylon**  
**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**



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1966 - 1967	4
Additional SIMs	1:2,500	1966 - 1967	5
Ordnance Survey Plan	1:2,500	1980	6
Additional SIMs	1:2,500	1986	7
Large-Scale National Grid Data	1:2,500	1993	8

## Historical Map - Segment B9



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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

## Northamptonshire

Published 1885

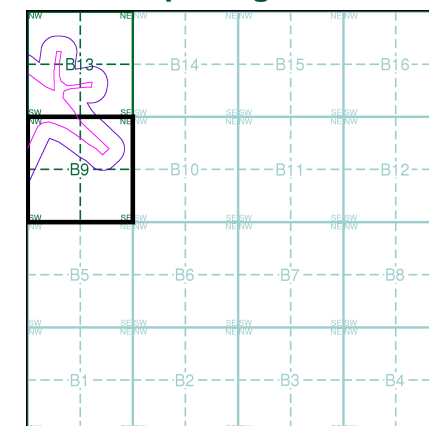
Source map scale - 1:2,500

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)

052_05
1885
1:2,500
052_09
1885
1:2,500

### Historical Map - Segment B9

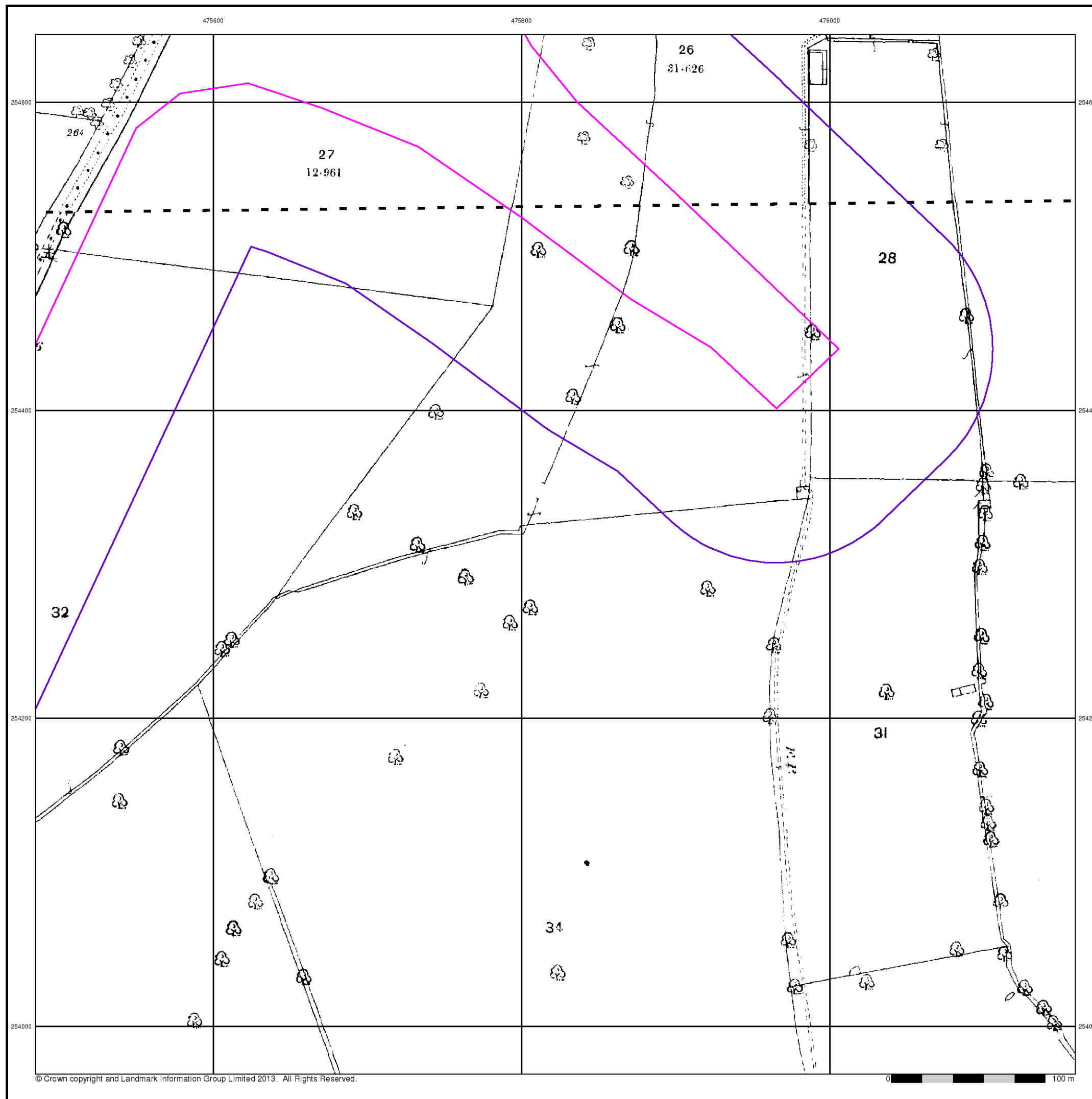


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1900

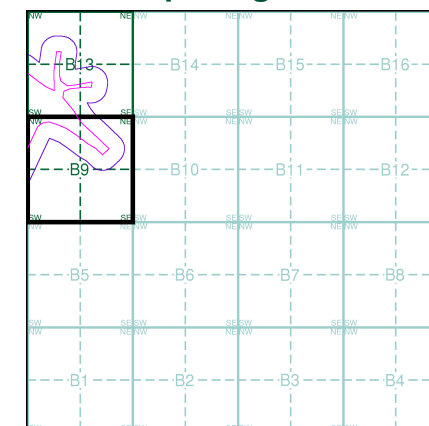
Source map scale - 1:2,500

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)

052_05
1900
1:2,500
052_09
1900
1:2,500

### Historical Map - Segment B9

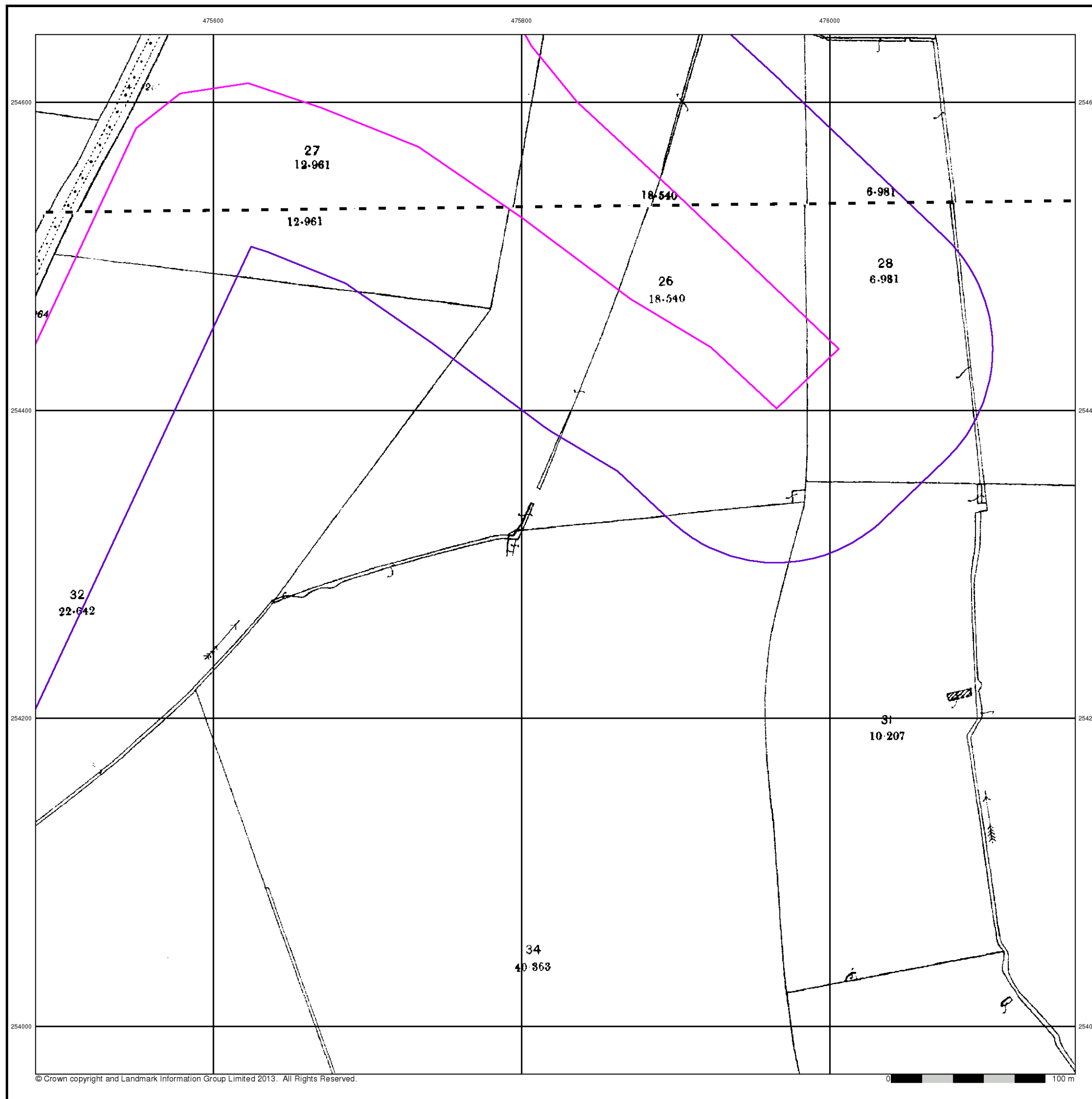


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



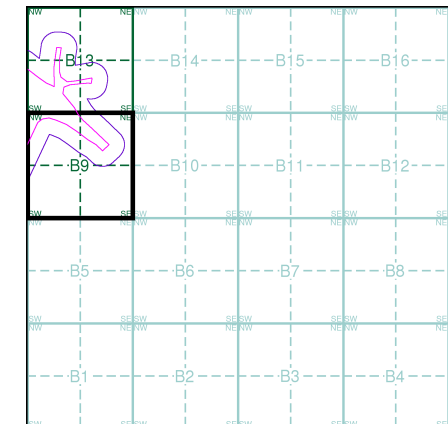
**Ordnance Survey Plan**  
**Published 1966 - 1967**  
**Source map scale - 1:2,500**

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)**

SP7554 1966 1:2,500	SP7654 1966 1:2,500
SP7553 1967 1:2,500	SP7653 1966 1:2,500

**Historical Map - Segment B9**

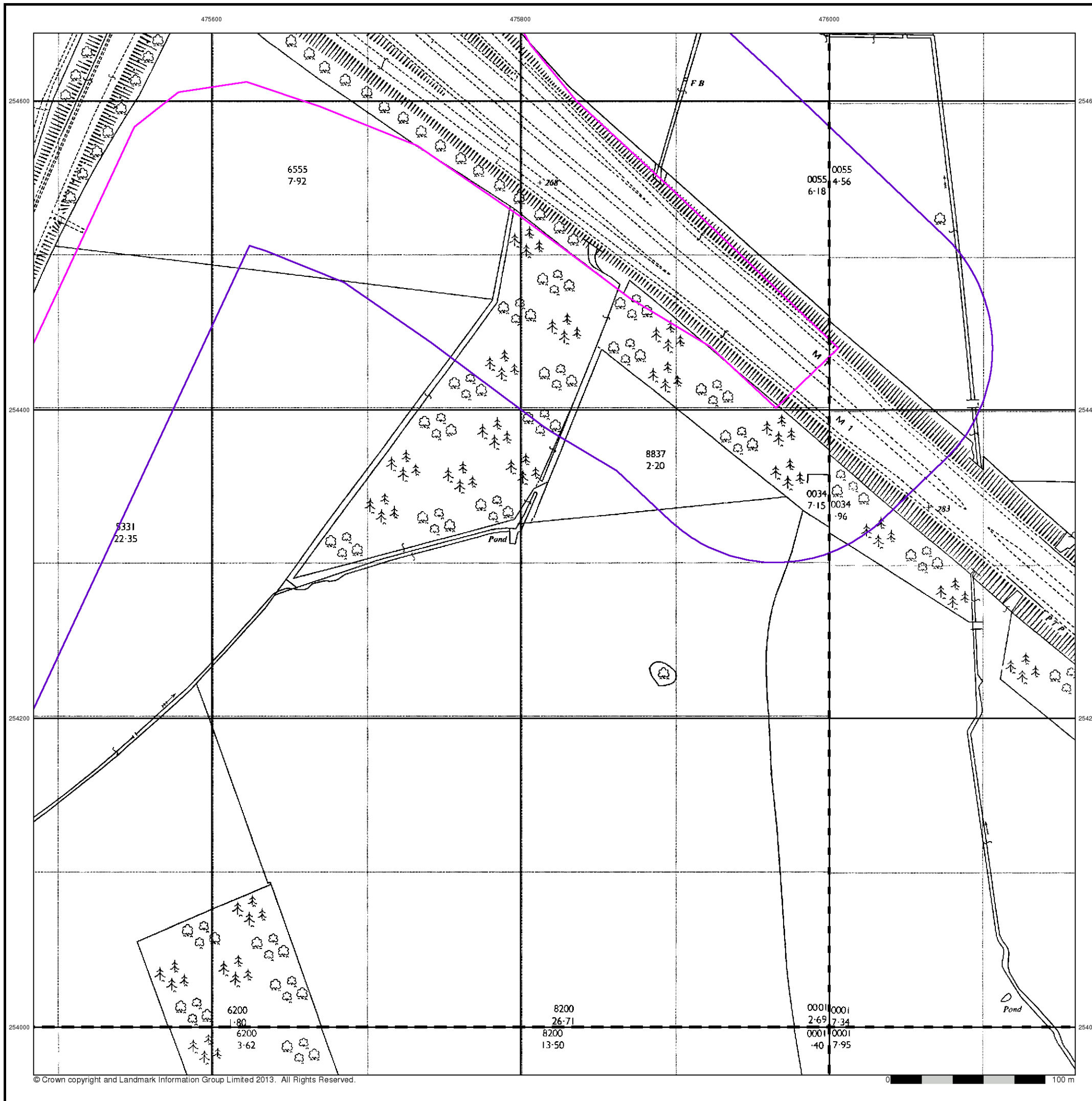


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

**Site Details**

M1 Junction 15, NORTHAMPTON



### Additional SIMs

Published 1966 - 1967

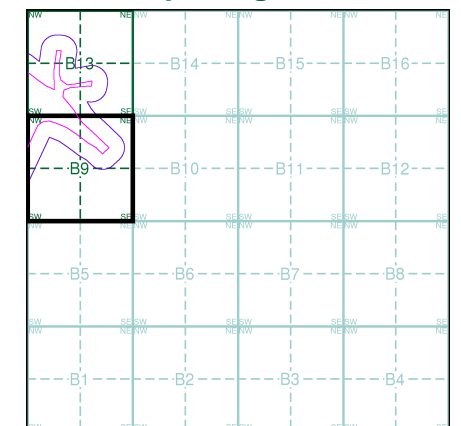
Source map scale - 1:2,500

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

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

	SP7654 1966 1:2,500
SP7553 1967 1:2,500	SP7653 1966 1:2,500

### Historical Map - Segment B9

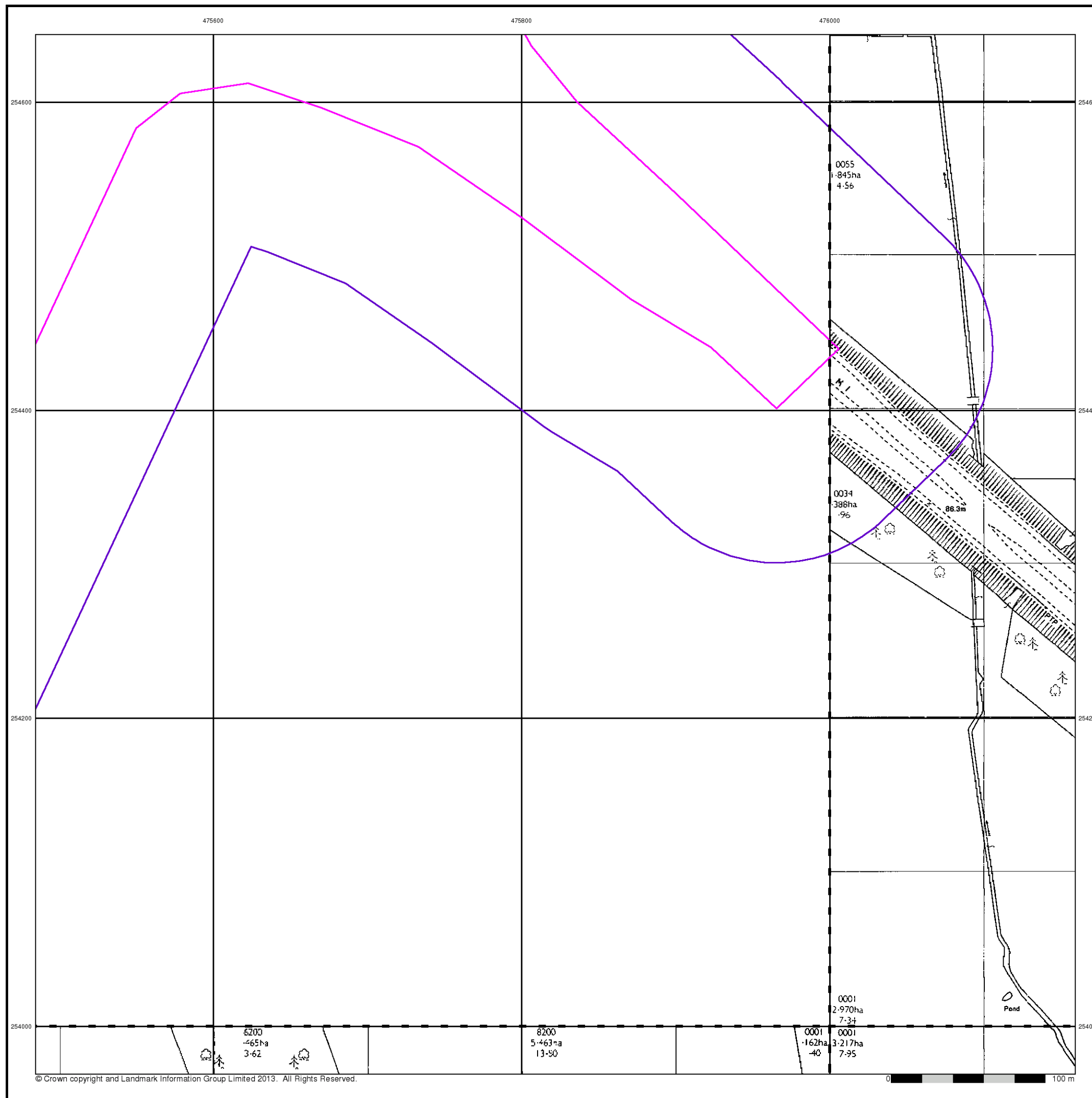


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



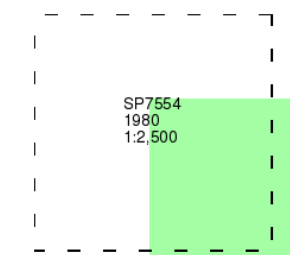
### Ordnance Survey Plan

Published 1980

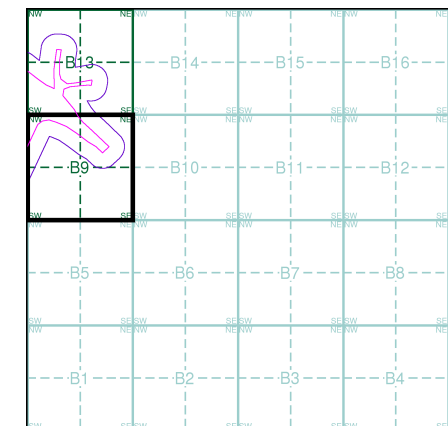
Source map scale - 1:2,500

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

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



### Historical Map - Segment B9

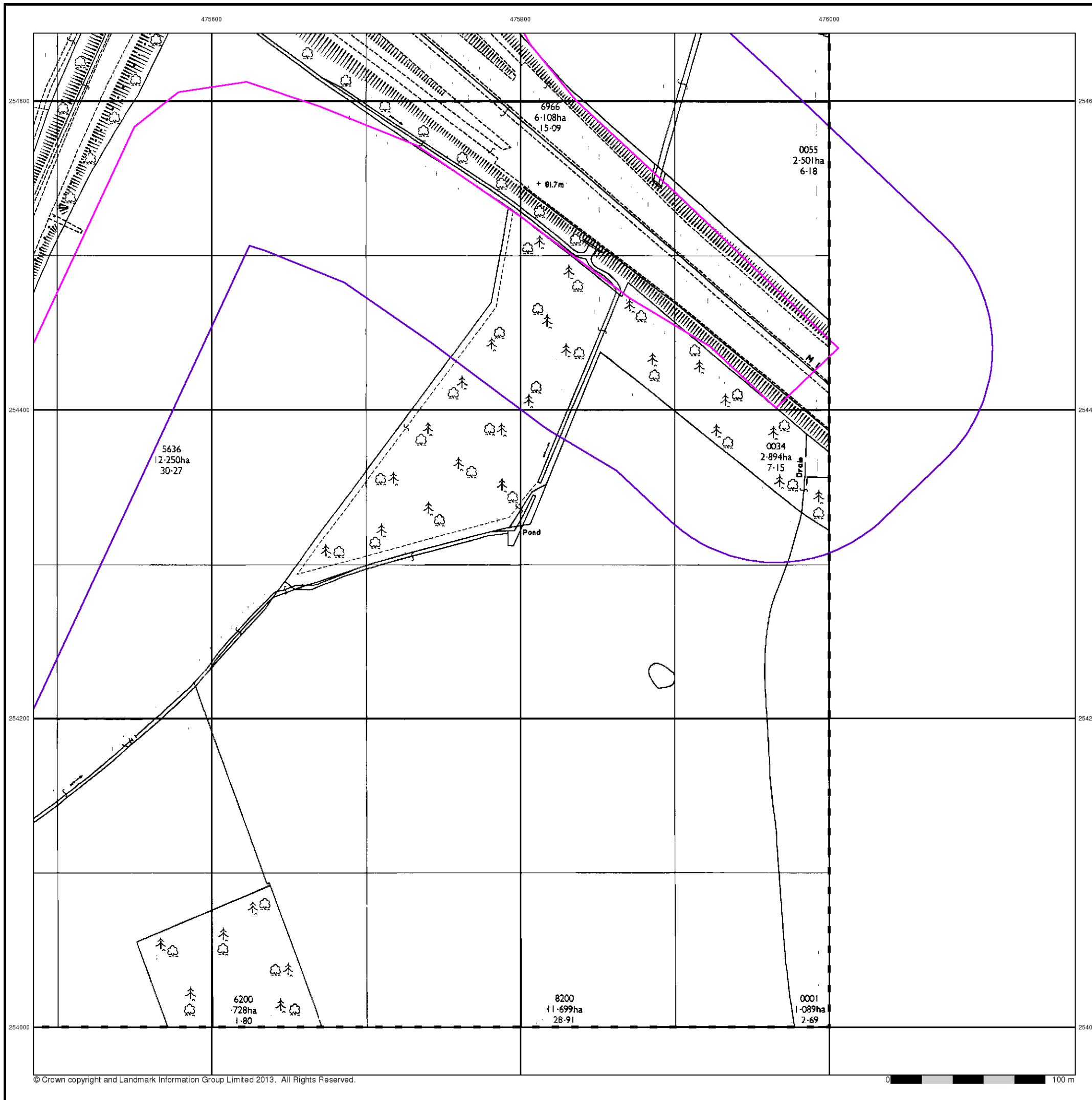


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



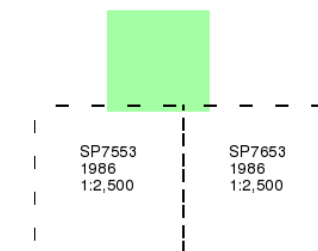
### Additional SIMs

Published 1986

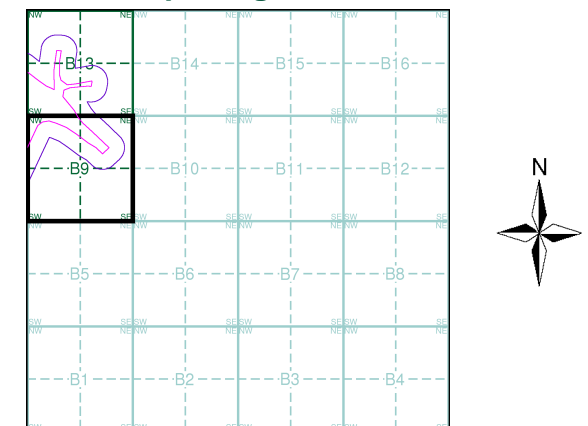
Source map scale - 1:2,500

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

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



### Historical Map - Segment B9

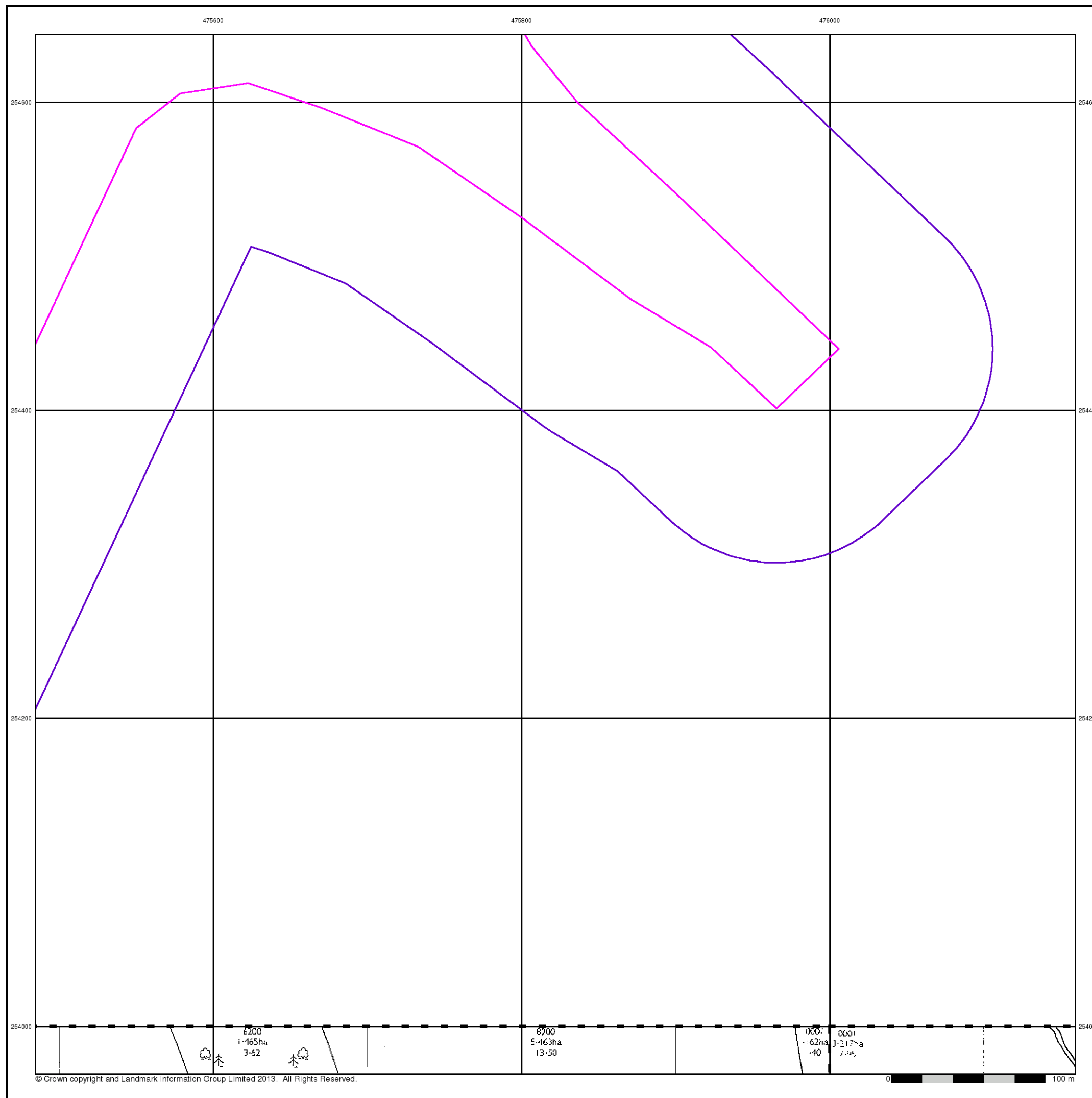


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON





## Large-Scale National Grid Data

Published 1993

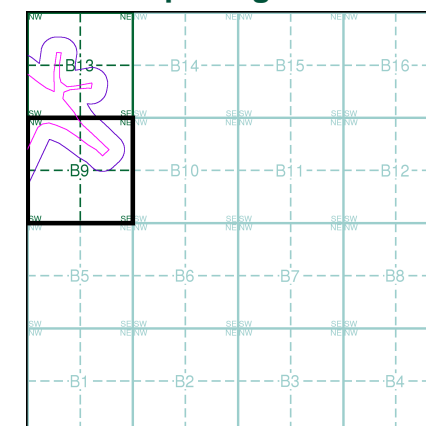
Source map scale - 1:2,500

'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)

SP7554 1993 1:2,500	SP7654 1993 1:2,500
SP7553 1993 1:2,500	SP7653 1993 1:2,500

### Historical Map - Segment B9

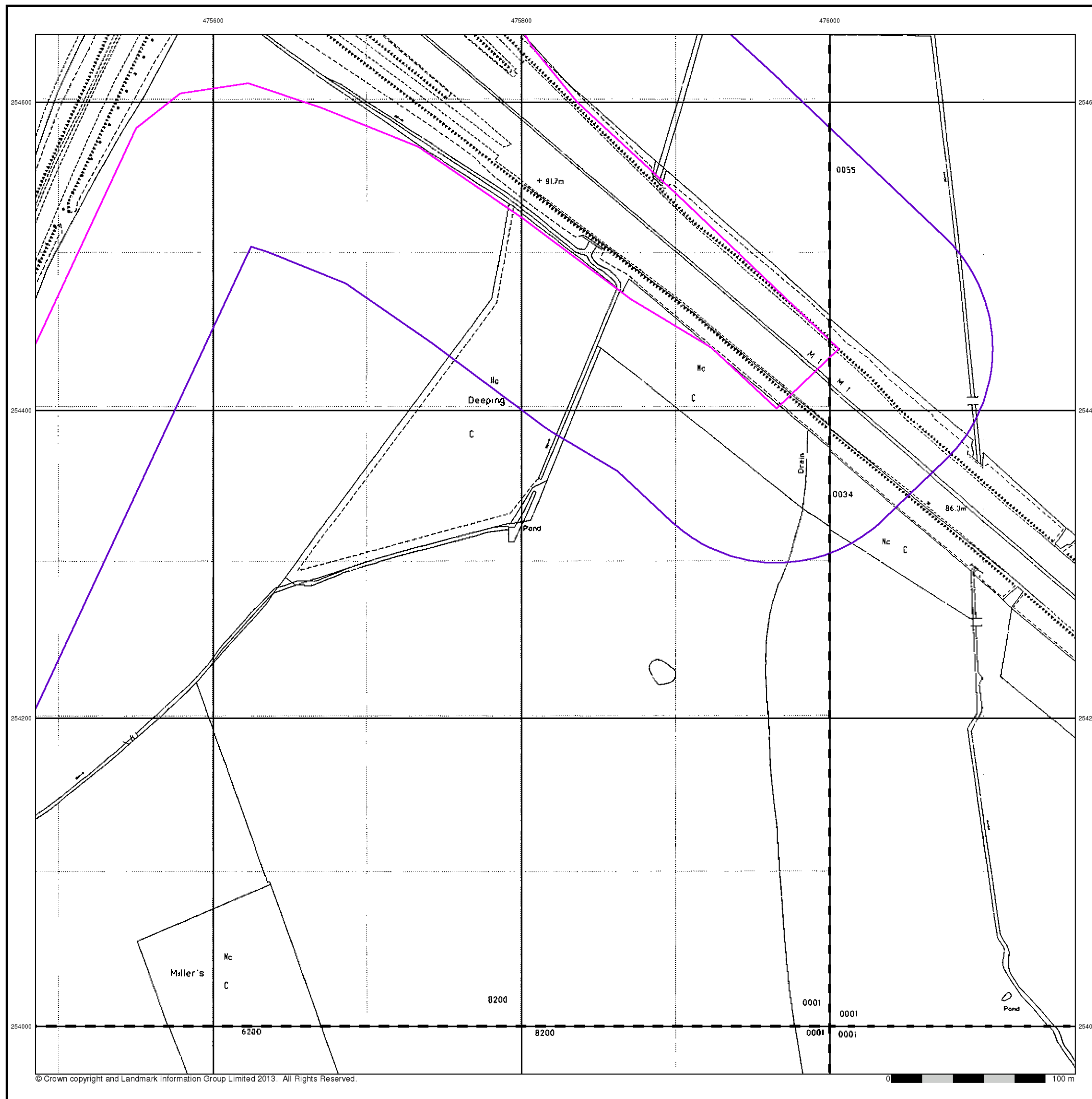


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



# Historical Mapping Legends

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

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

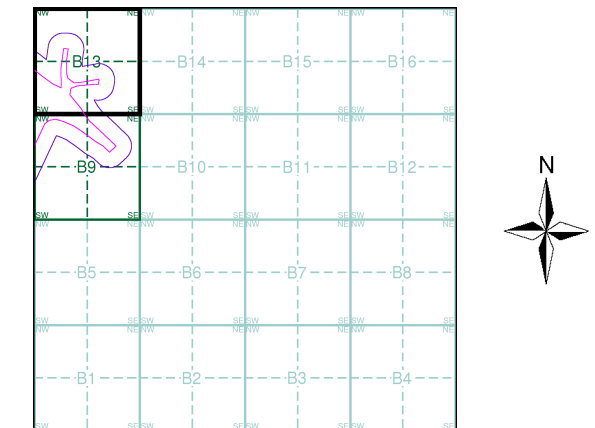
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard 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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1965 - 1966	4
Additional SIMs	1:2,500	1966	5
Ordnance Survey Plan	1:2,500	1977 - 1980	6
Large-Scale National Grid Data	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1996	8

## Historical Map - Segment B13



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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

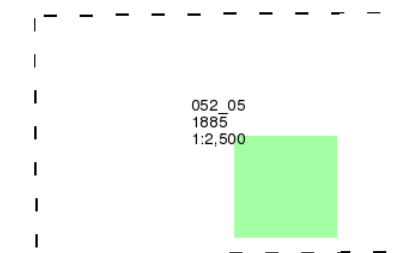
**Northamptonshire**

**Published 1885**

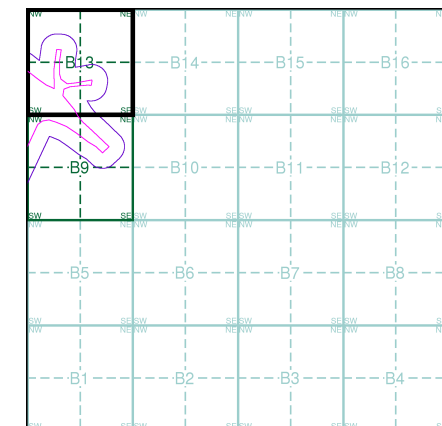
**Source map scale - 1:2,500**

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

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



**Historical Map - Segment B13**

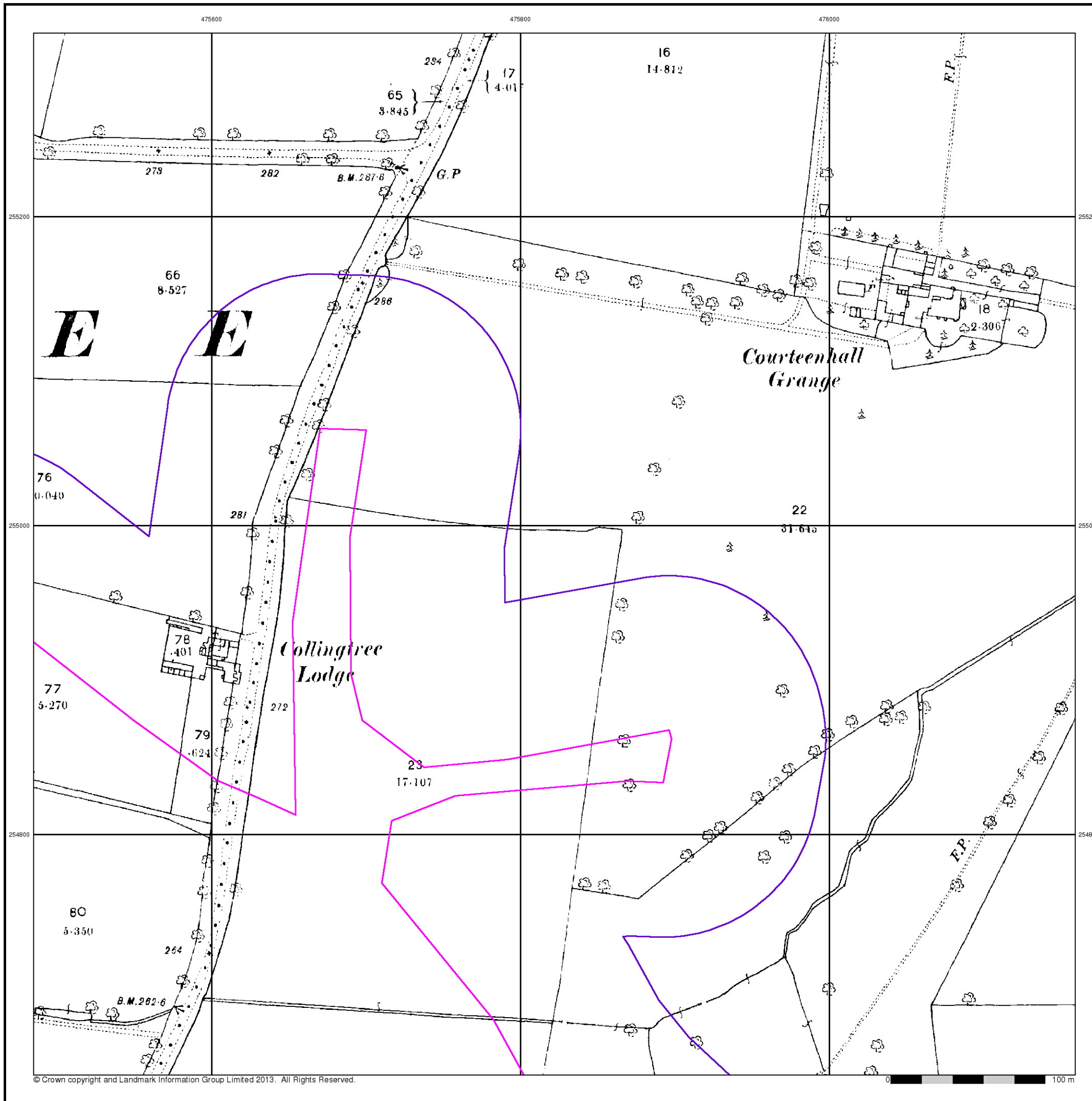


**Order Details**

Order Number: 59121721\_1\_1  
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 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

**Site Details**

M1 Junction 15, NORTHAMPTON



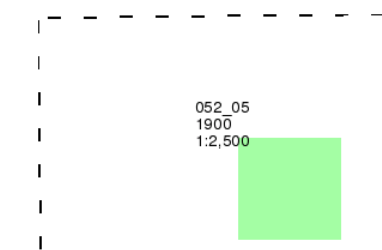
## Northamptonshire

Published 1900

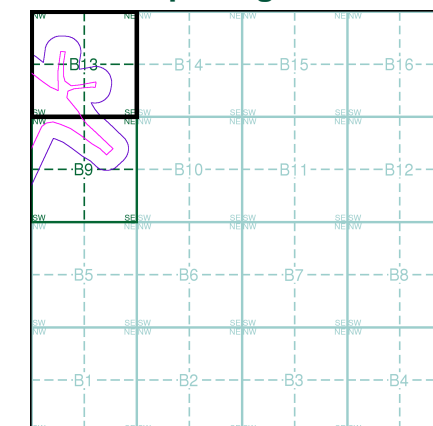
Source map scale - 1:2,500

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

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



### Historical Map - Segment B13

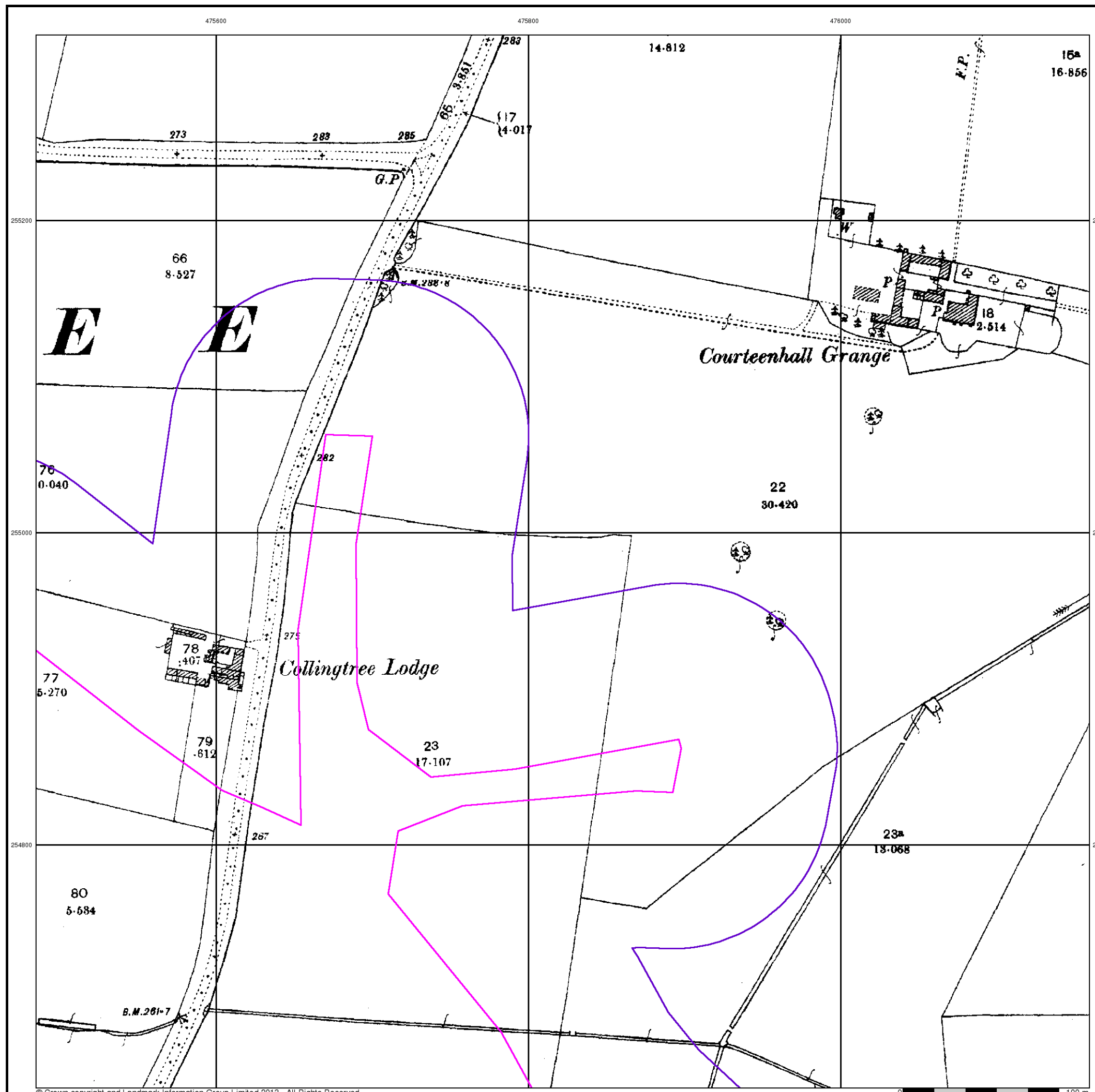


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



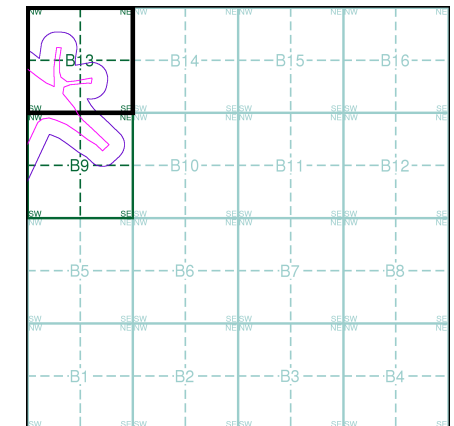
**Ordnance Survey Plan**  
**Published 1965 - 1966**  
**Source map scale - 1:2,500**

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)**

SP7555 1965 1:2,500	SP7655 1965 1:2,500
SP7554 1966 1:2,500	SP7654 1966 1:2,500

**Historical Map - Segment B13**

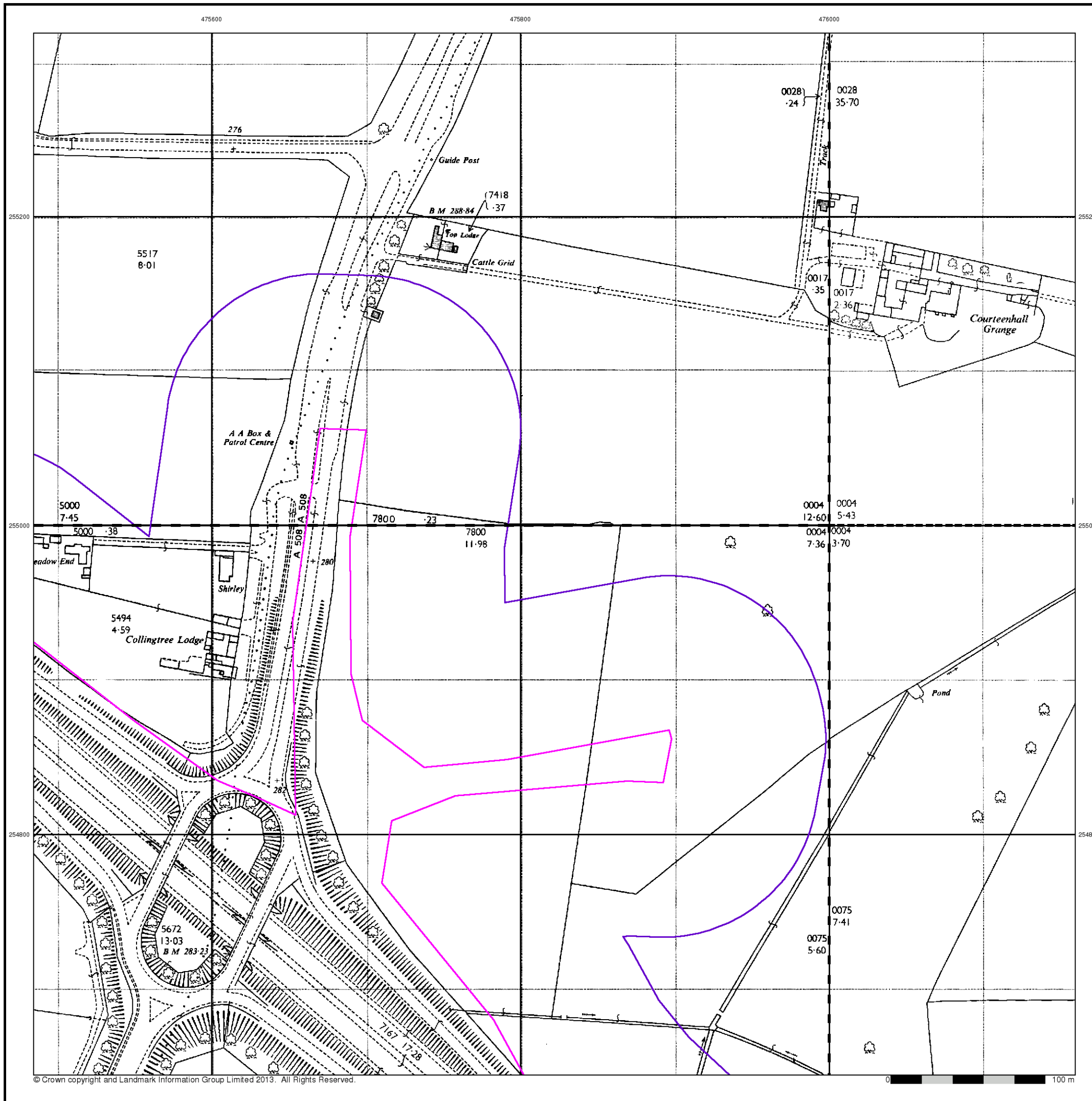


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

**Site Details**

M1 Junction 15, NORTHAMPTON



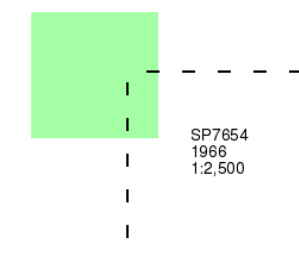
### Additional SIMs

Published 1966

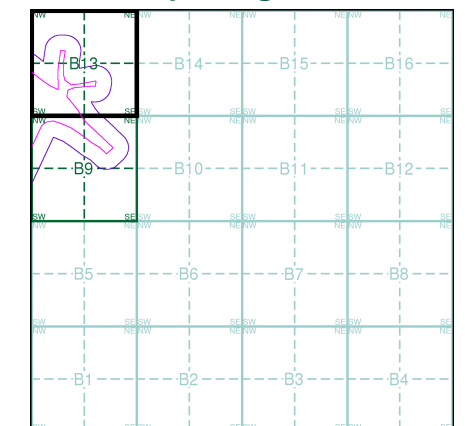
Source map scale - 1:2,500

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

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



### Historical Map - Segment B13

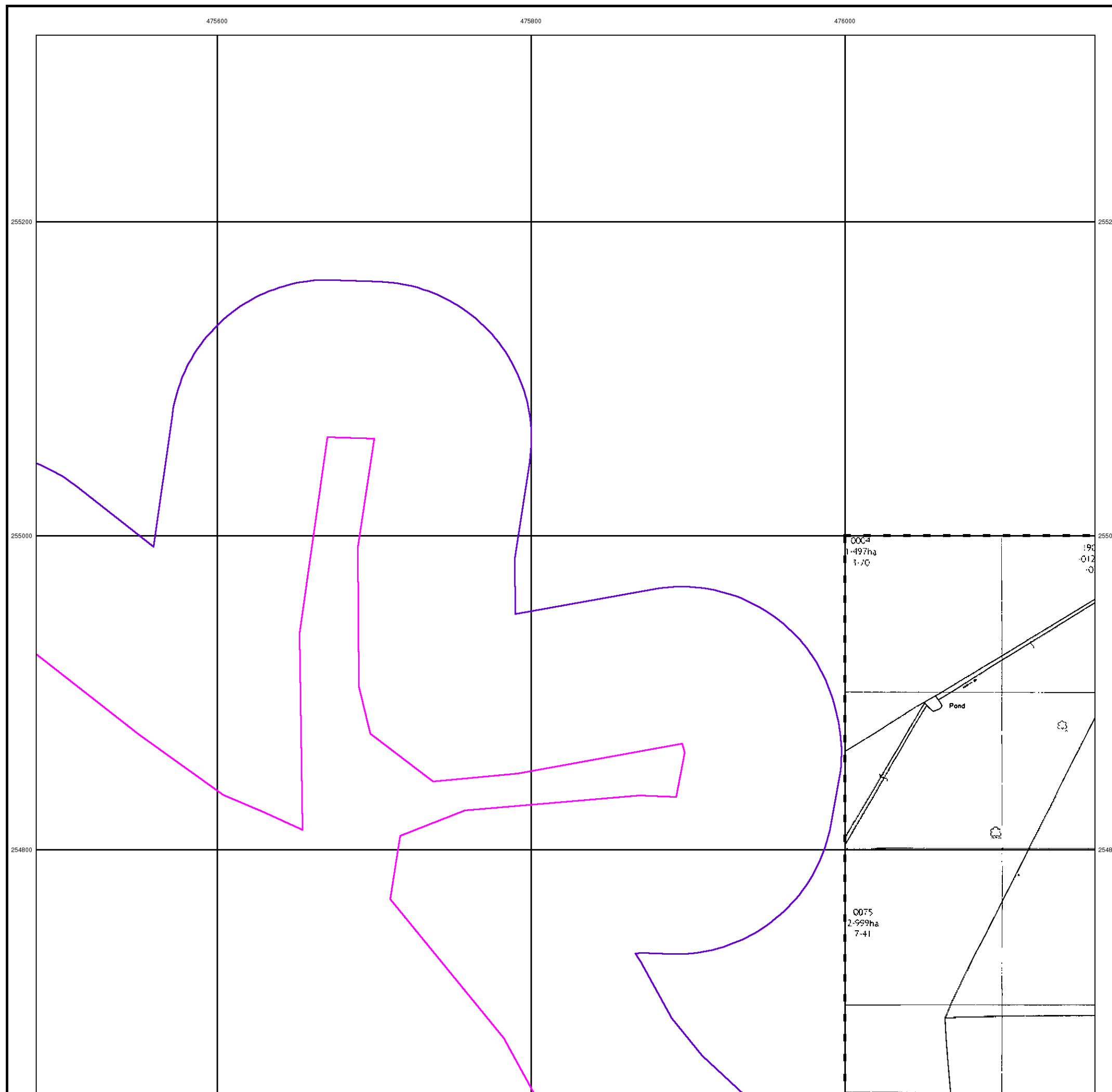


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



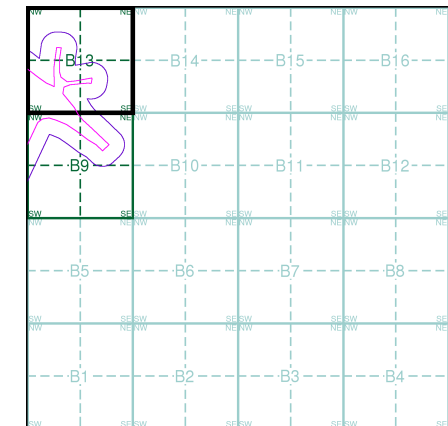
**Ordnance Survey Plan**  
**Published 1977 - 1980**  
**Source map scale - 1:2,500**

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)**

SP7555 1977 12,500	SP7655 1978 12,500
SP7554 1980 12,500	

**Historical Map - Segment B13**

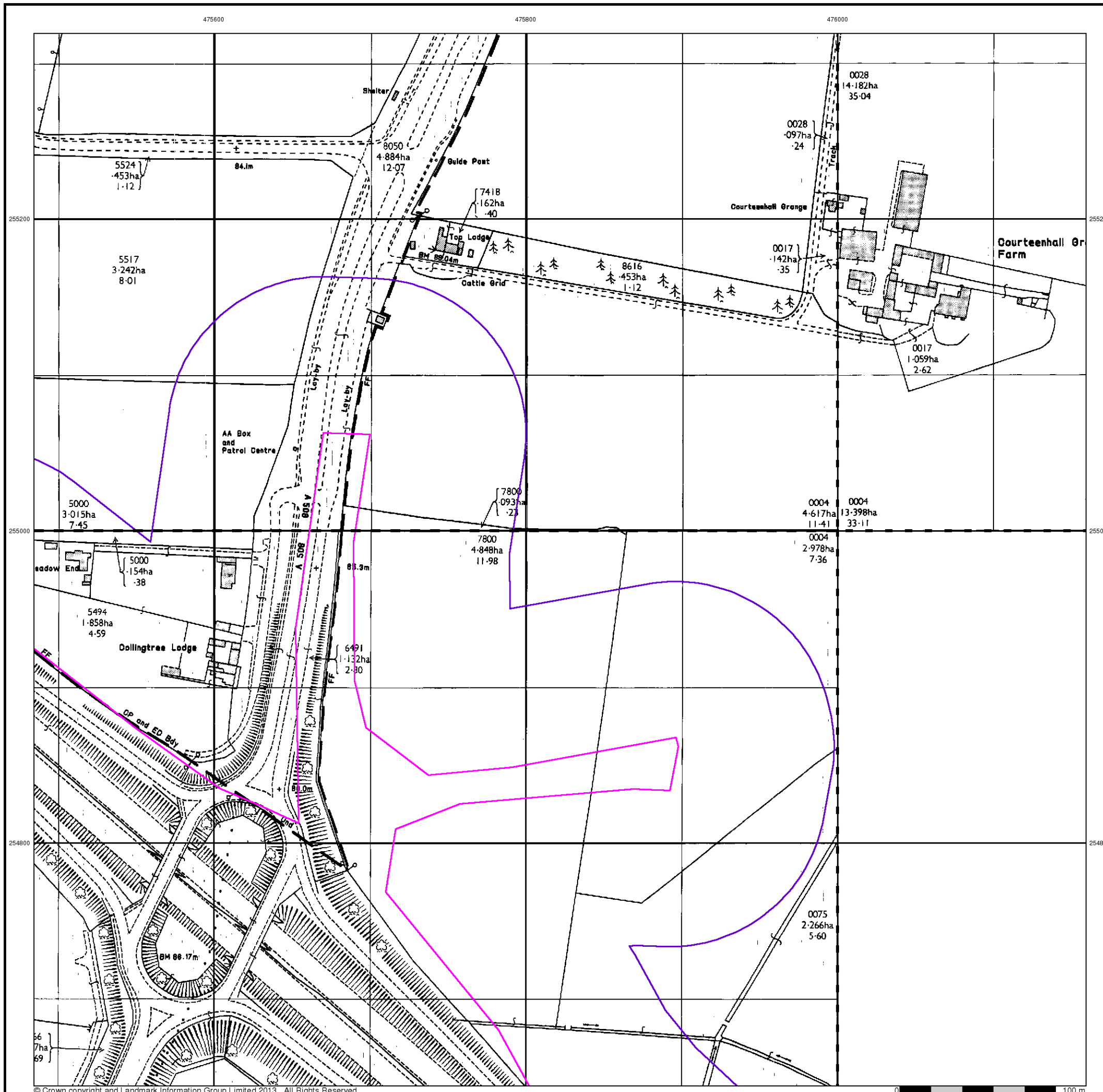


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 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

**Site Details**

M1 Junction 15, NORTHAMPTON



## Large-Scale National Grid Data

Published 1993

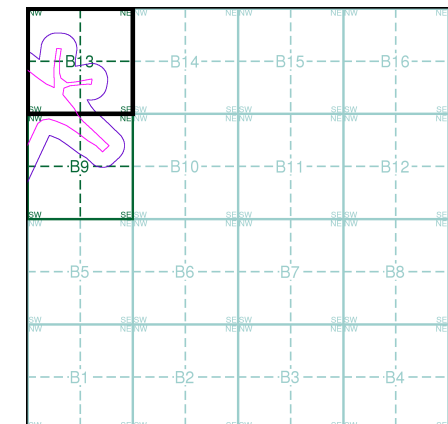
Source map scale - 1:2,500

'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)

SP7555	SP7655
1993	1993
12,500	12,500
SP7554	SP7654
1993	1993
12,500	12,500

### Historical Map - Segment B13

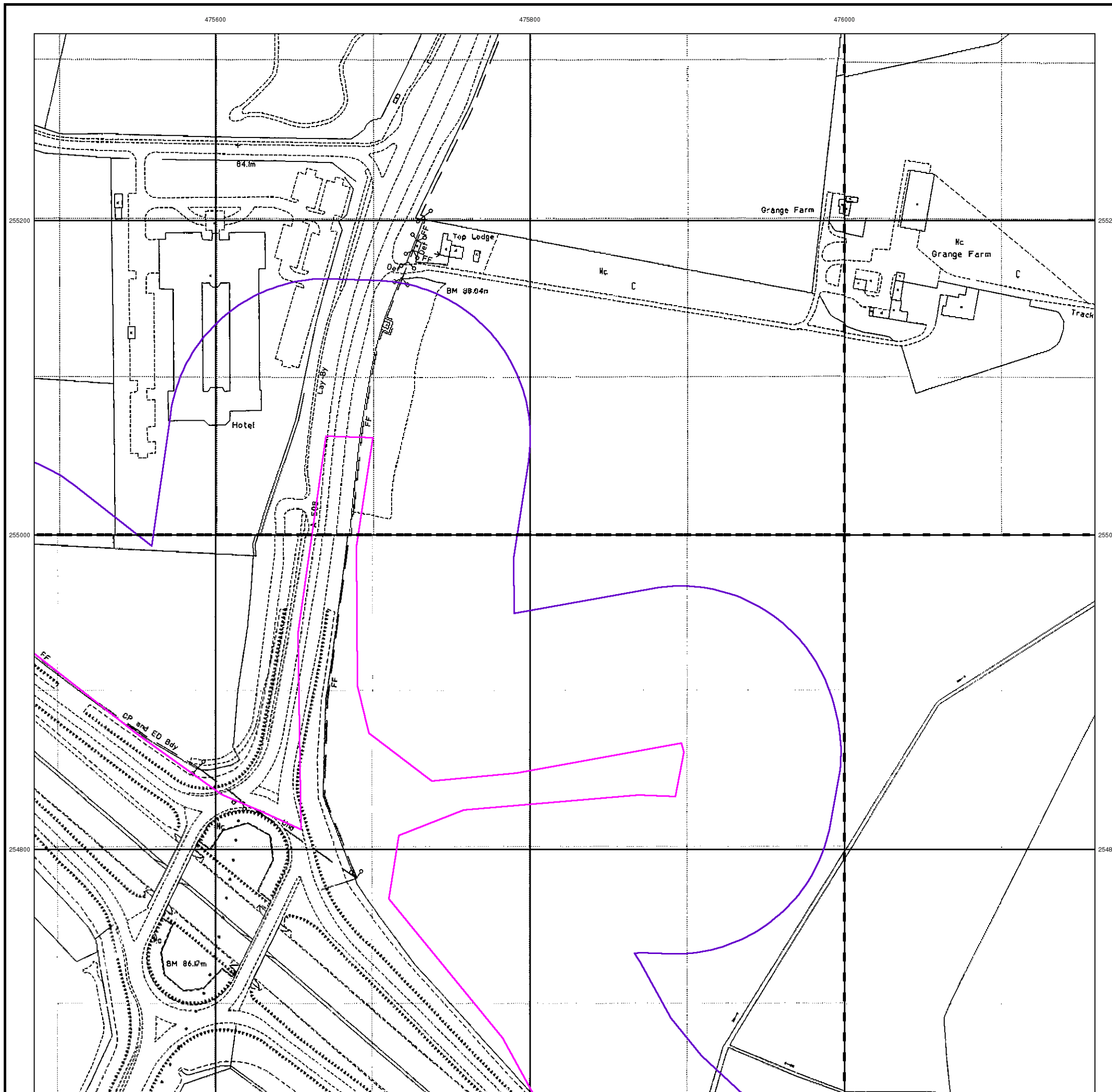


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON





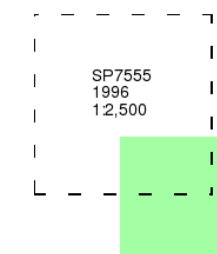
## Large-Scale National Grid Data

Published 1996

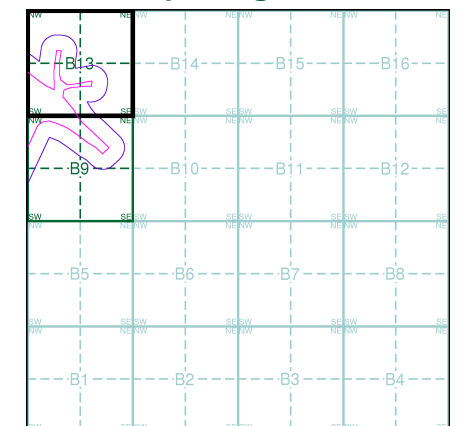
Source map scale - 1:2,500

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

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



### Historical Map - Segment B13

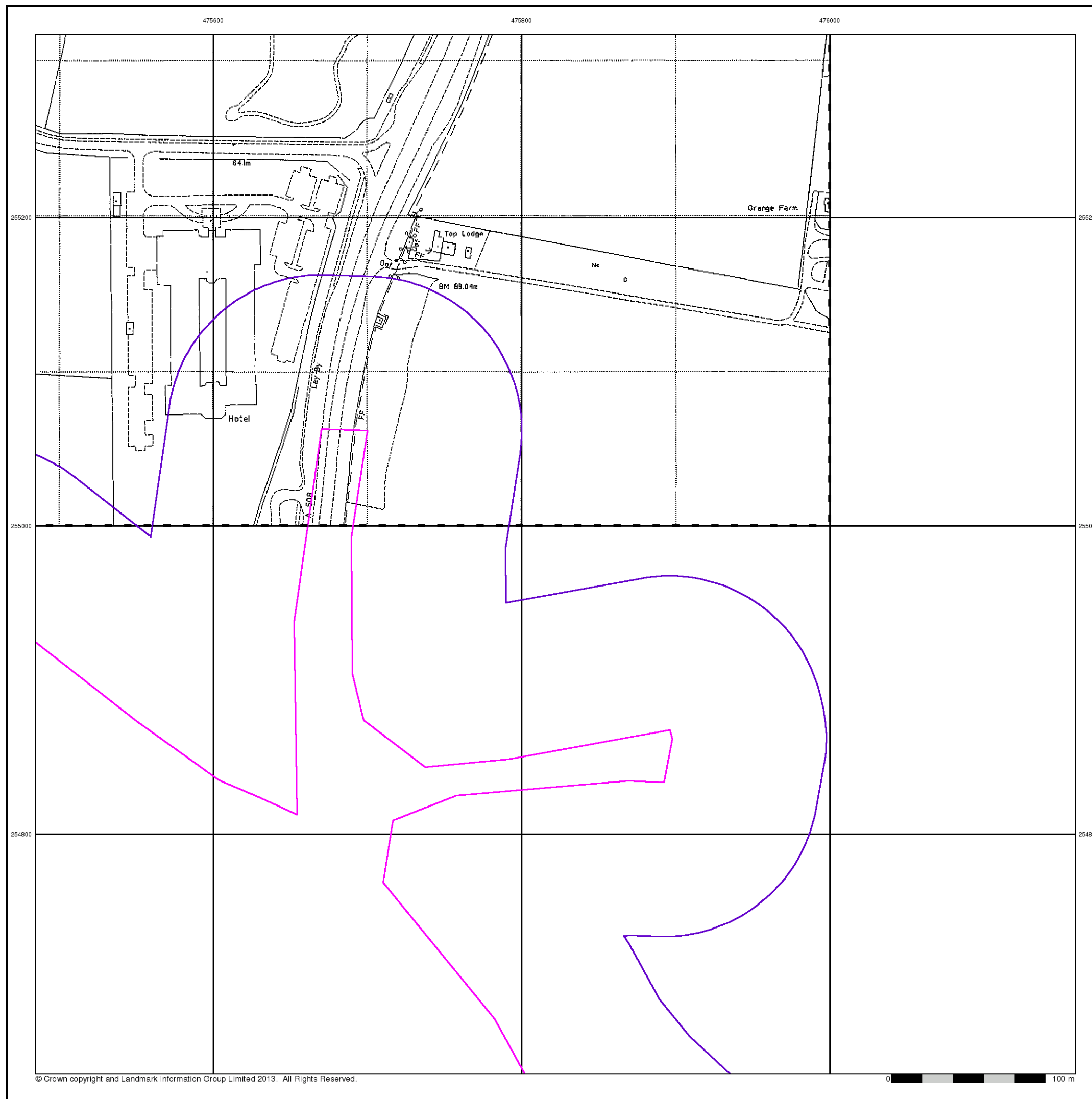


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 476150, 254320  
 Slice: B  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100


### Site Details

M1 Junction 15, NORTHAMPTON







# Geology 1:10,000 Maps Legends










## Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene

## Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene
	GFSMP	Glaciofluvial Sheet Deposits, Mid Pleistocene	Sand and Gravel	Ipswichian - Cromerian
	TILMP	TILL, MID PLEISTOCENE	Diamicton	Ipswichian - Cromerian
	TUFA	Tufa	Tufa, Calcareous	Quaternary - Ryazanian

## Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WBRO	Wellingborough Limestone Member	Limestone and Mudstone, Interbedded	Bathonian - Bathonian
	BWL	Blisworth Limestone Formation	Limestone	Bathonian - Bathonian
	STAM	Stamford Member	Sandstone and Siltstone, Interbedded	Bathonian - Bajocian
	RLD	Rutland Formation	Mudstone	Bathonian - Bajocian
	NS	Northampton Sand Formation	Sandstone, Limestone and Ironstone	Aalenian - Aalenian
	WHM	Whitby Mudstone Formation	Mudstone	Toarcian - Toarcian
	MRB	Marlstone Rock Formation	Limestone, Ferruginous	Toarcian - Pliensbachian
	DYS	Dyrham Formation	Siltstone and Mudstone, Interbedded	Pliensbachian - Pliensbachian
	Fault			

## Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

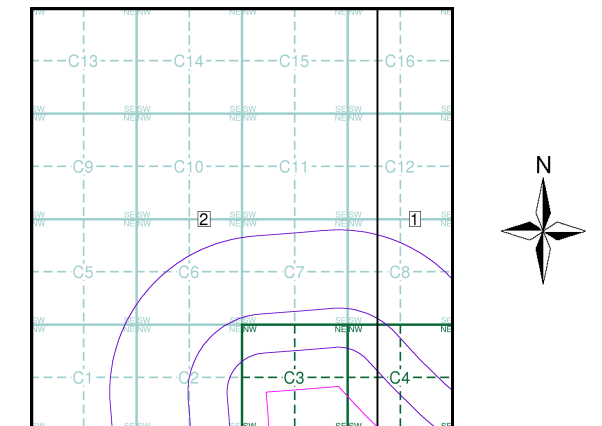
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

## Geology 1:10,000 Maps Coverage

<b>Map ID:</b>	1	<b>Map ID:</b>	2
<b>Map Name:</b>	SP75NE	<b>Map Name:</b>	SP75NW
<b>Map Date:</b>	1961	<b>Map Date:</b>	1961
<b>Bedrock Geology:</b>	Available	<b>Bedrock Geology:</b>	Available
<b>Superficial Geology:</b>	Available	<b>Superficial Geology:</b>	Available
<b>Artificial Geology:</b>	Available	<b>Artificial Geology:</b>	Available
<b>Faults:</b>	Available	<b>Faults:</b>	Available
<b>Landslip:</b>	Not Available	<b>Landslip:</b>	Not Available
<b>Rock Segments:</b>	Not Available	<b>Rock Segments:</b>	Not Available

## Geology 1:10,000 Maps - Slice C



## Order Details

Order Number:	59121721_1_1
Customer Ref:	312598
National Grid Reference:	474440, 255900
Slice:	C
Site Area (Ha):	172.72
Search Buffer (m):	1000

## Site Details

M1 Junction 15, NORTHAMPTON

## Artificial Ground and Landslip

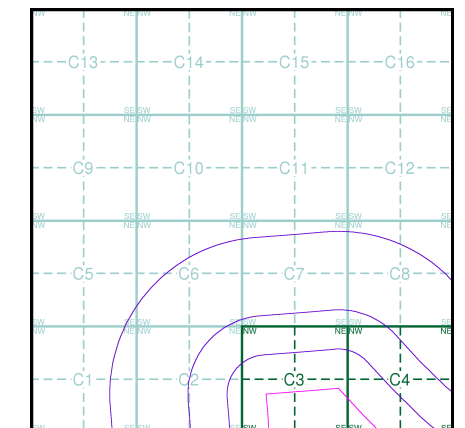
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- In-filled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

## Artificial Ground and Landslip Map - Slice C

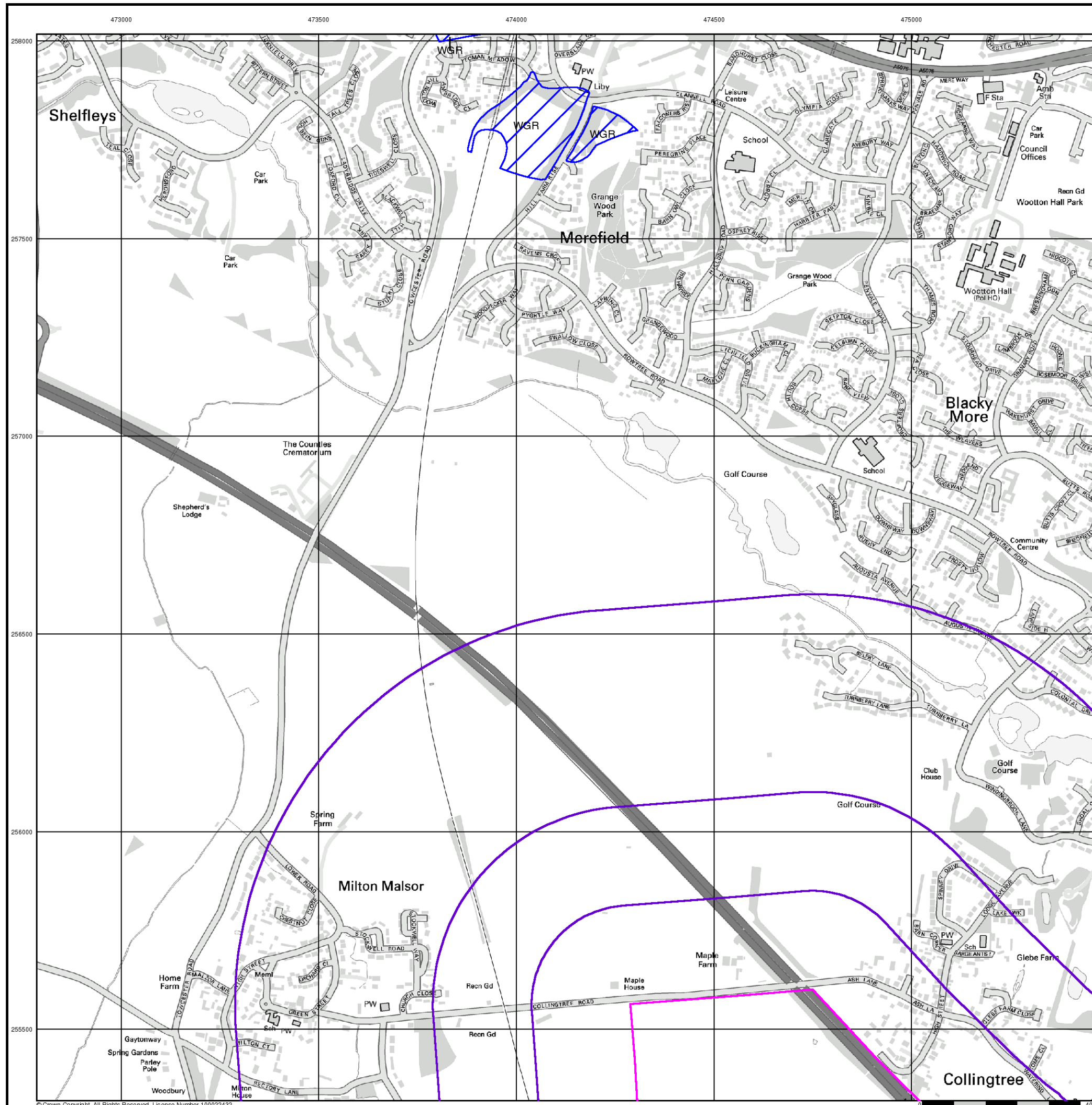


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



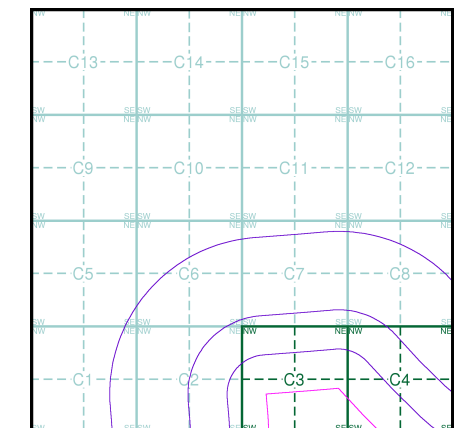
### Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice C

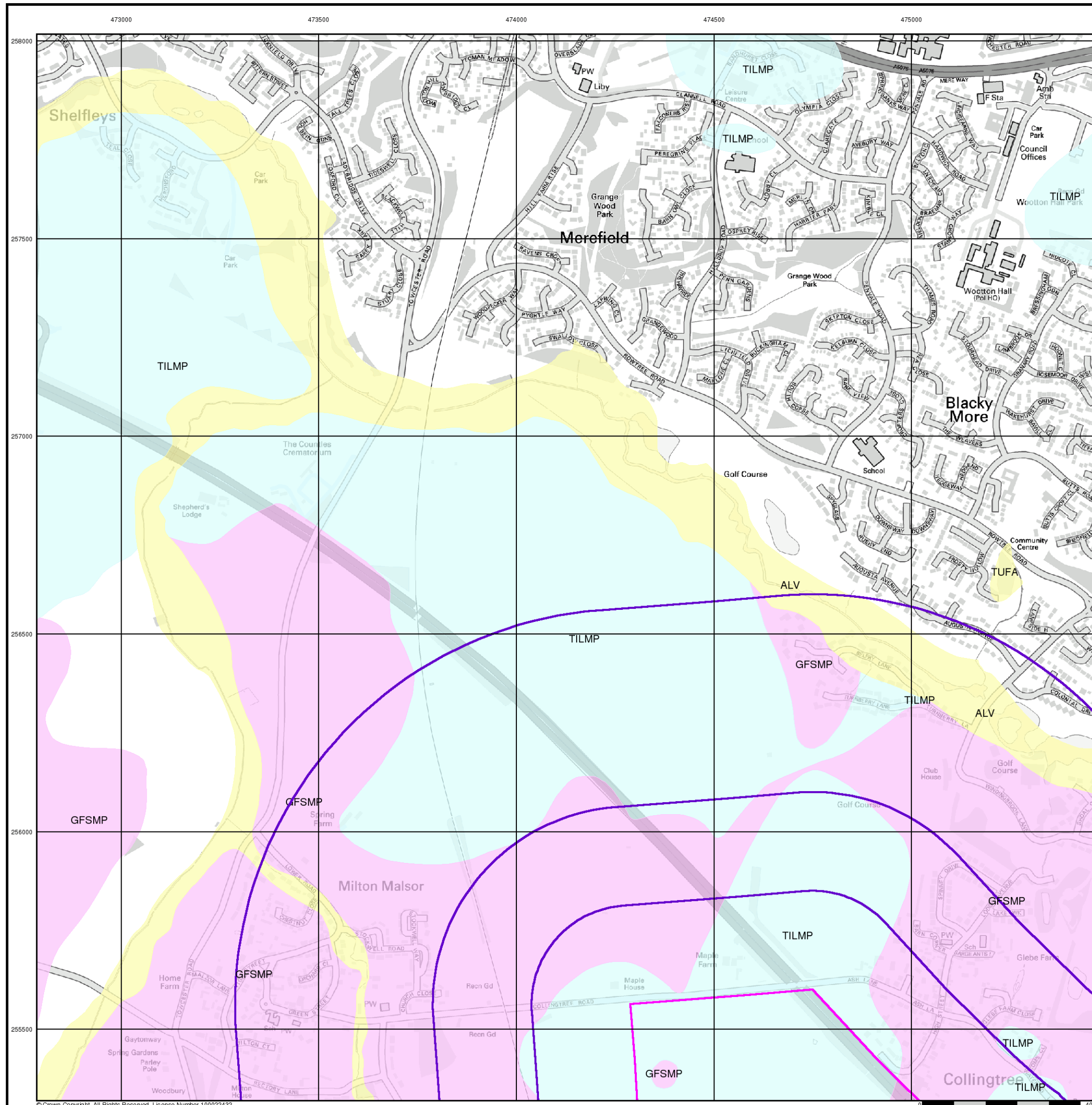


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Bedrock and Faults

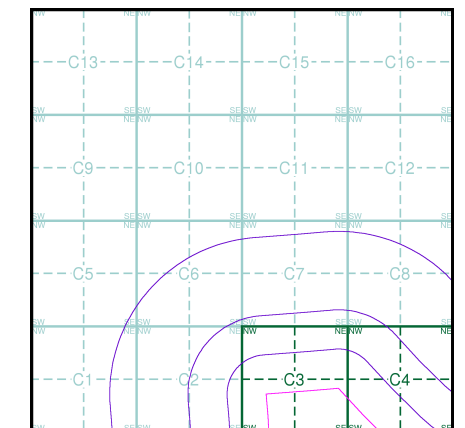
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

## Bedrock and Faults Map - Slice C

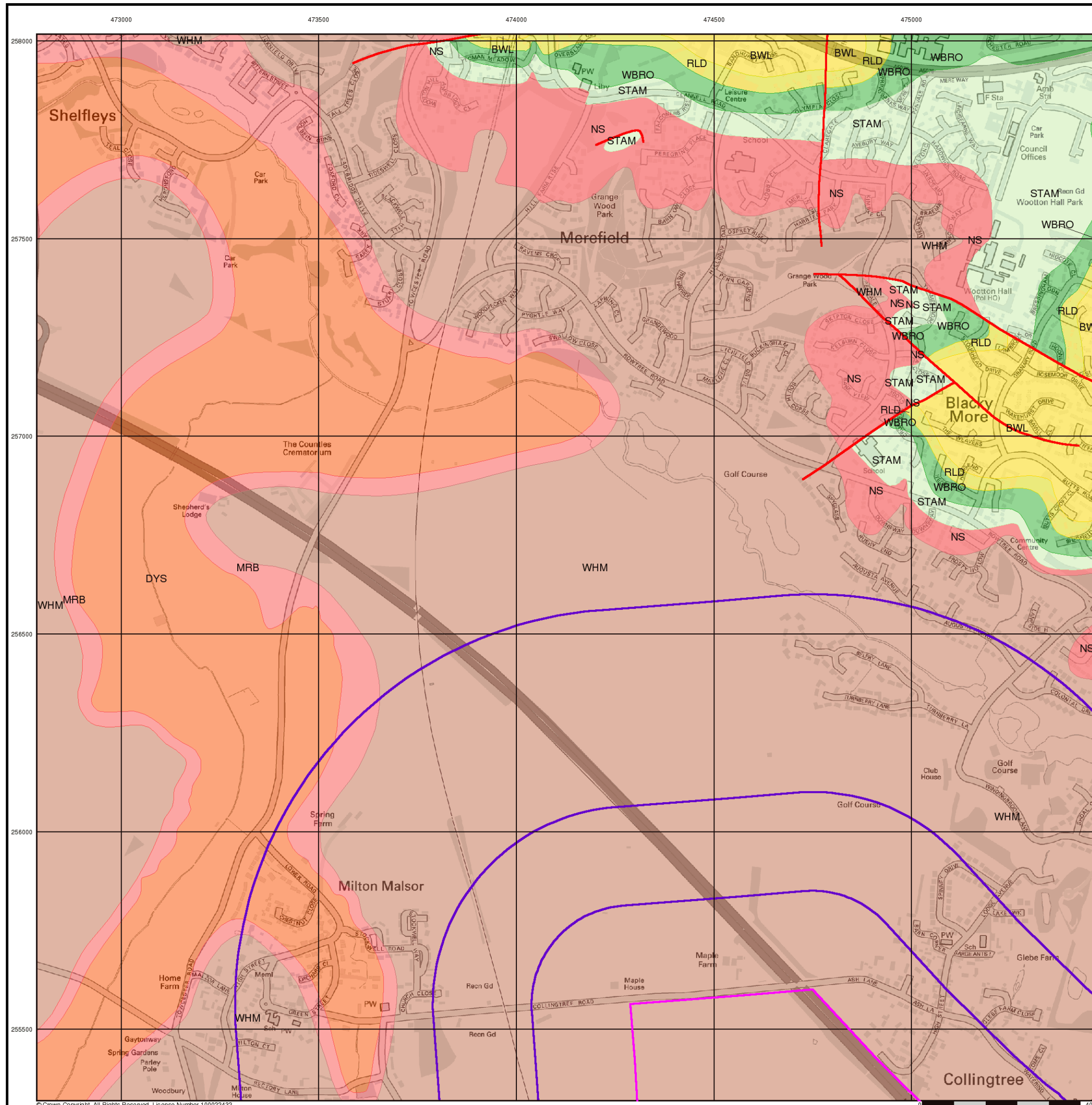


## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

## Site Details

M1 Junction 15, NORTHAMPTON



### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

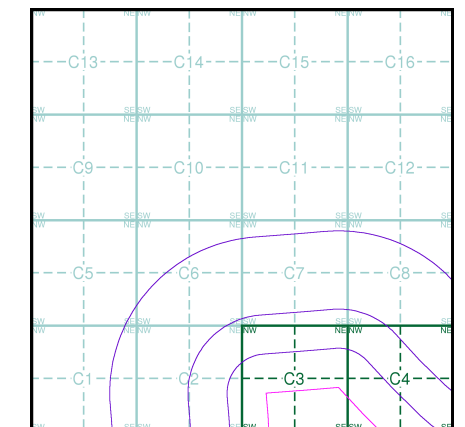
### Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
 Kingsley Dunham Centre  
 Keyworth  
 Nottingham  
 NG12 5GG  
 Telephone: 0115 936 3143  
 Fax: 0115 936 3276  
 email: enquiries@bgs.ac.uk  
 website: www.bgs.ac.uk

### Combined Geology Map - Slice C

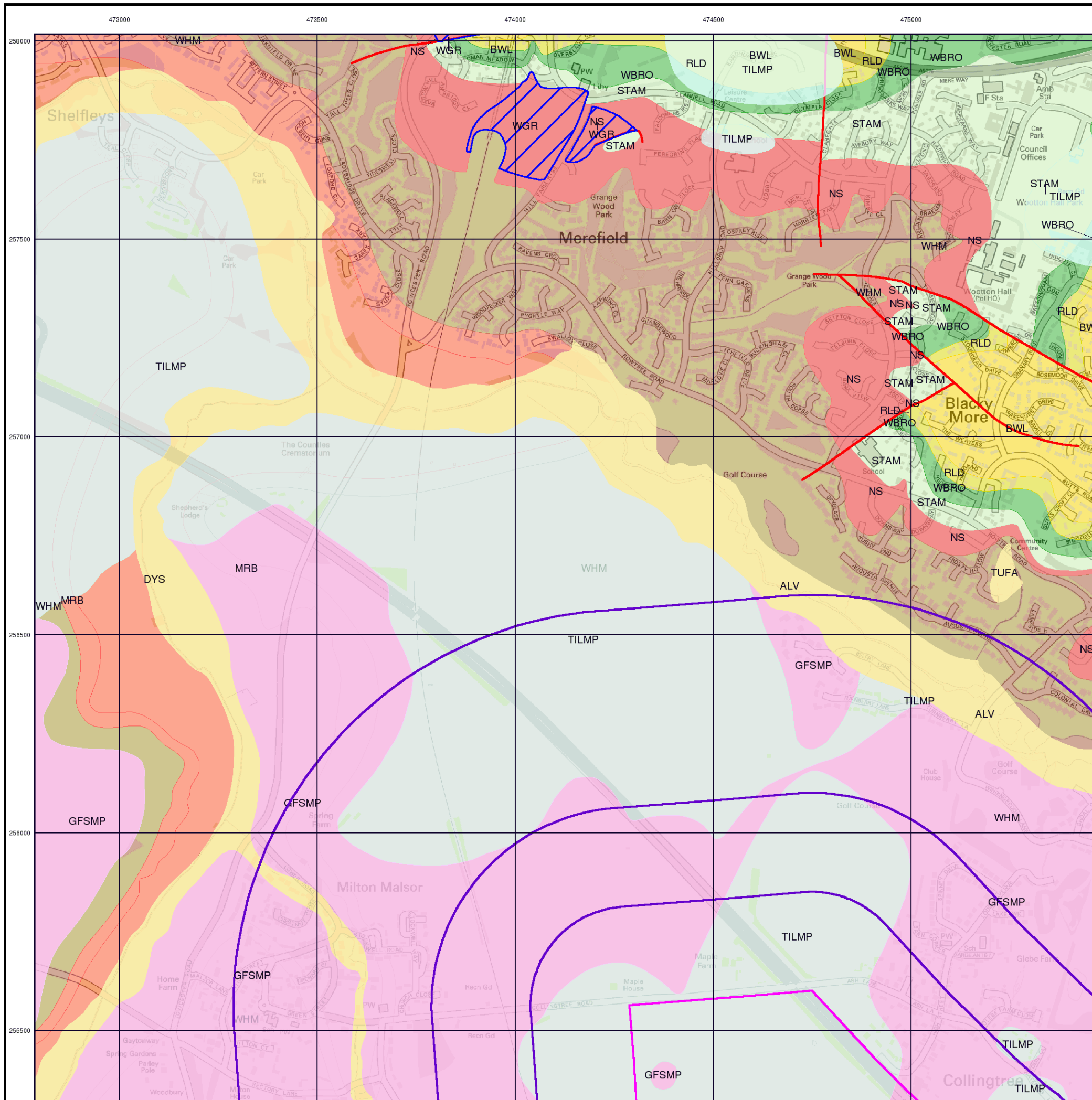


### Order Details

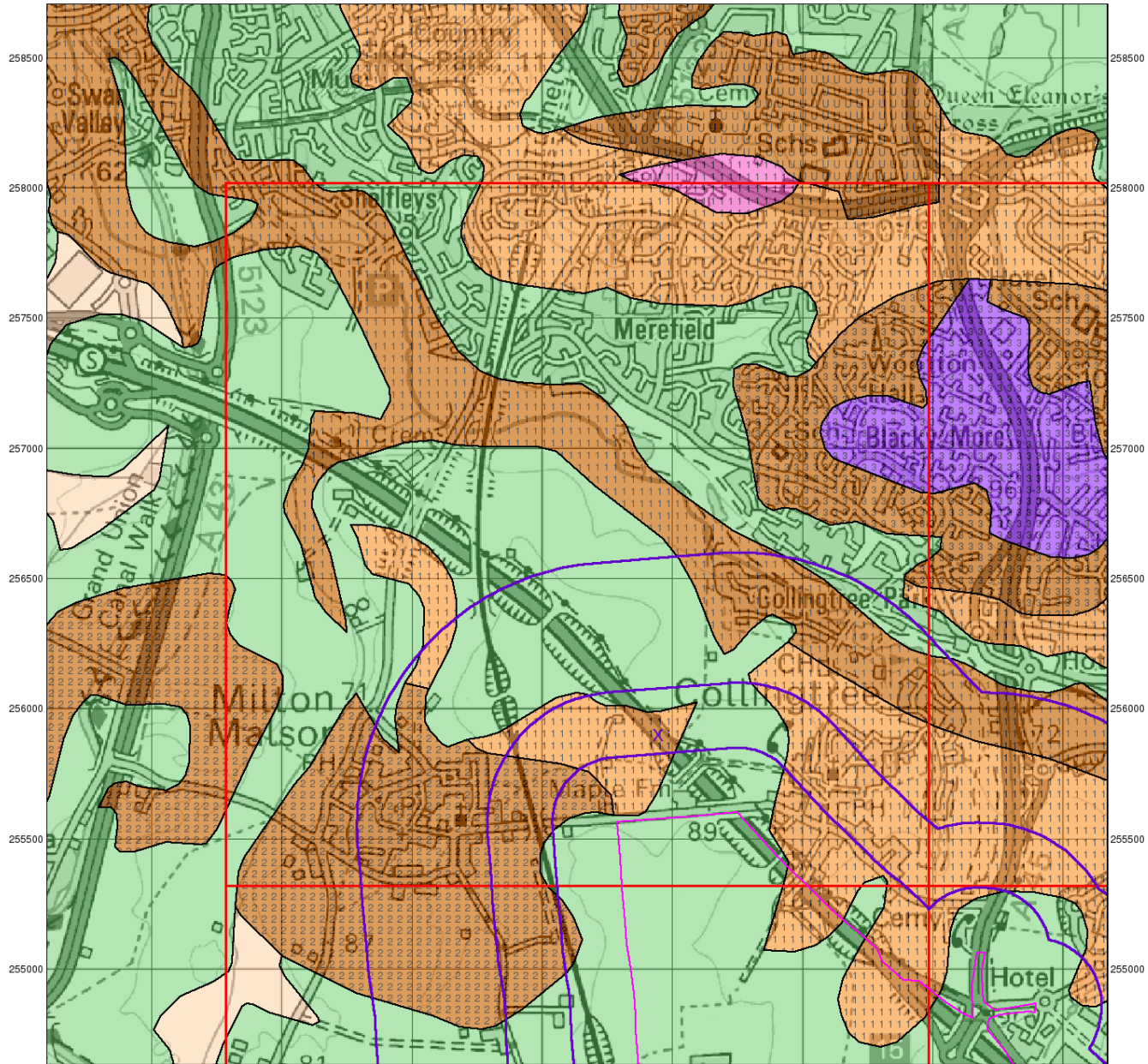
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



472500 473000 473500 474000 474500 475000 475500 476000



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0 1 km



## Groundwater Vulnerability

### General

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

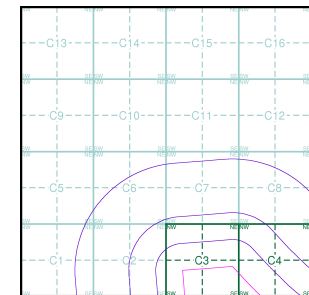
### Agency and Hydrological

#### Geological Classes

- |   |  |                       |
|---|--|-----------------------|
| <b>Major Aquifer<br/>(Highly Permeable)</b>   |  | High (H) 1, 2, 3, U   |
|   |  | Intermediate (I) 1, 2 |
|   |  | Low                   |
| <b>Minor Aquifer<br/>(Variably Permeable)</b> |  | High (H) 1, 2, 3, U   |
|   |  | Intermediate (I) 1, 2 |
|   |  | Low                   |
| <b>Non Aquifer<br/>(Negligibly Permeable)</b> |  |                       |
| <b>Water or Sea</b>                           |  |                       |
| <b>Drift Deposit</b>                          |  |                       |

#### Soil Classes

### Site Sensitivity Context Map - Slice C



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

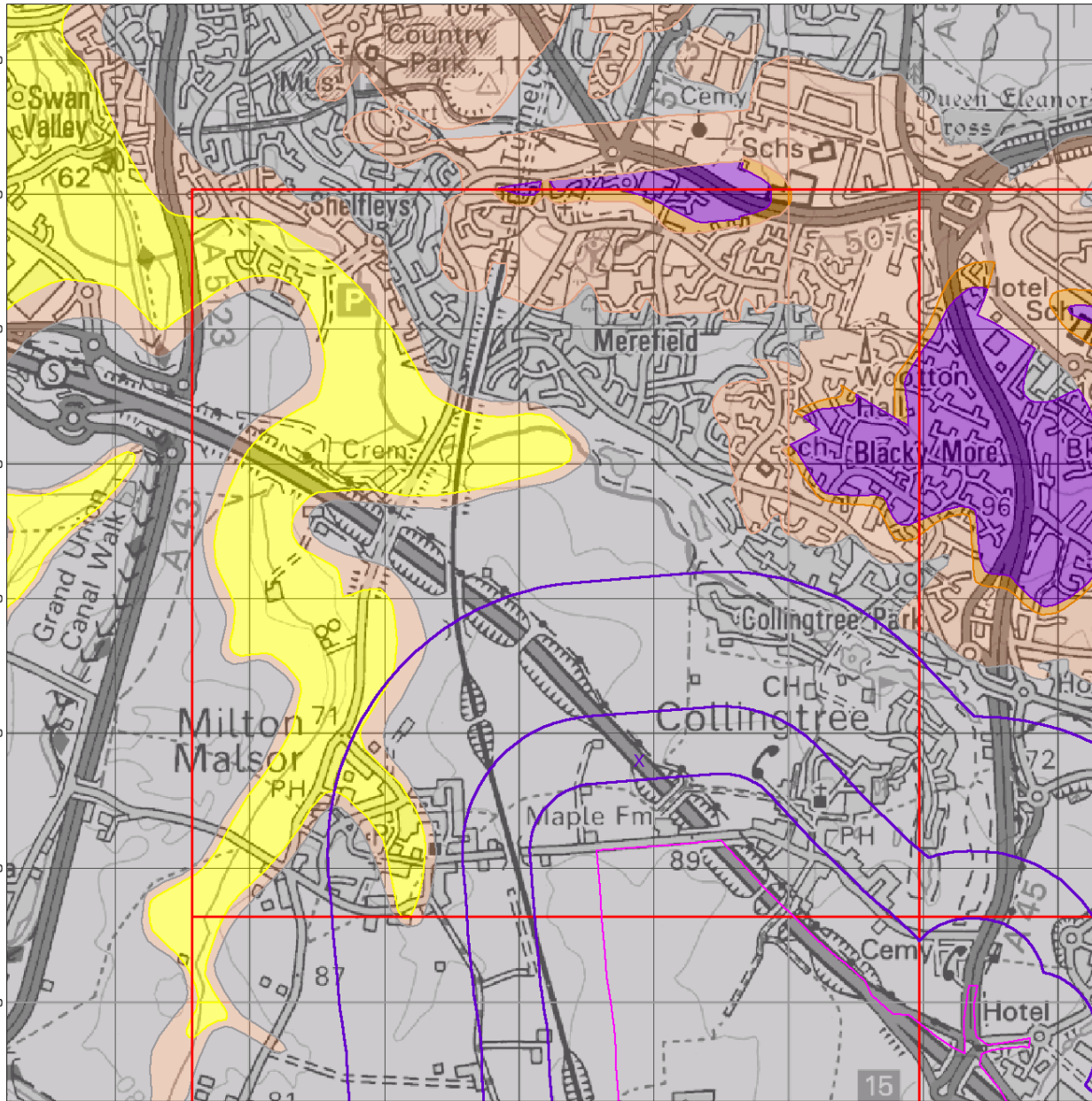
M1 Junction 15, NORTHAMPTON



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

472500 473000 473500 474000 474500 475000 475500 476000

258500  
258000  
257500  
257000  
256500  
256000  
255500  
255000



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0 1 km



### Bedrock Aquifer Designation

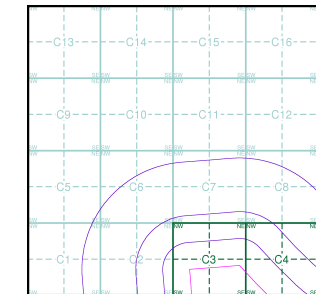
- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Slice
  - Map ID

### Agency and Hydrological

**Geological Classes**

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice C



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

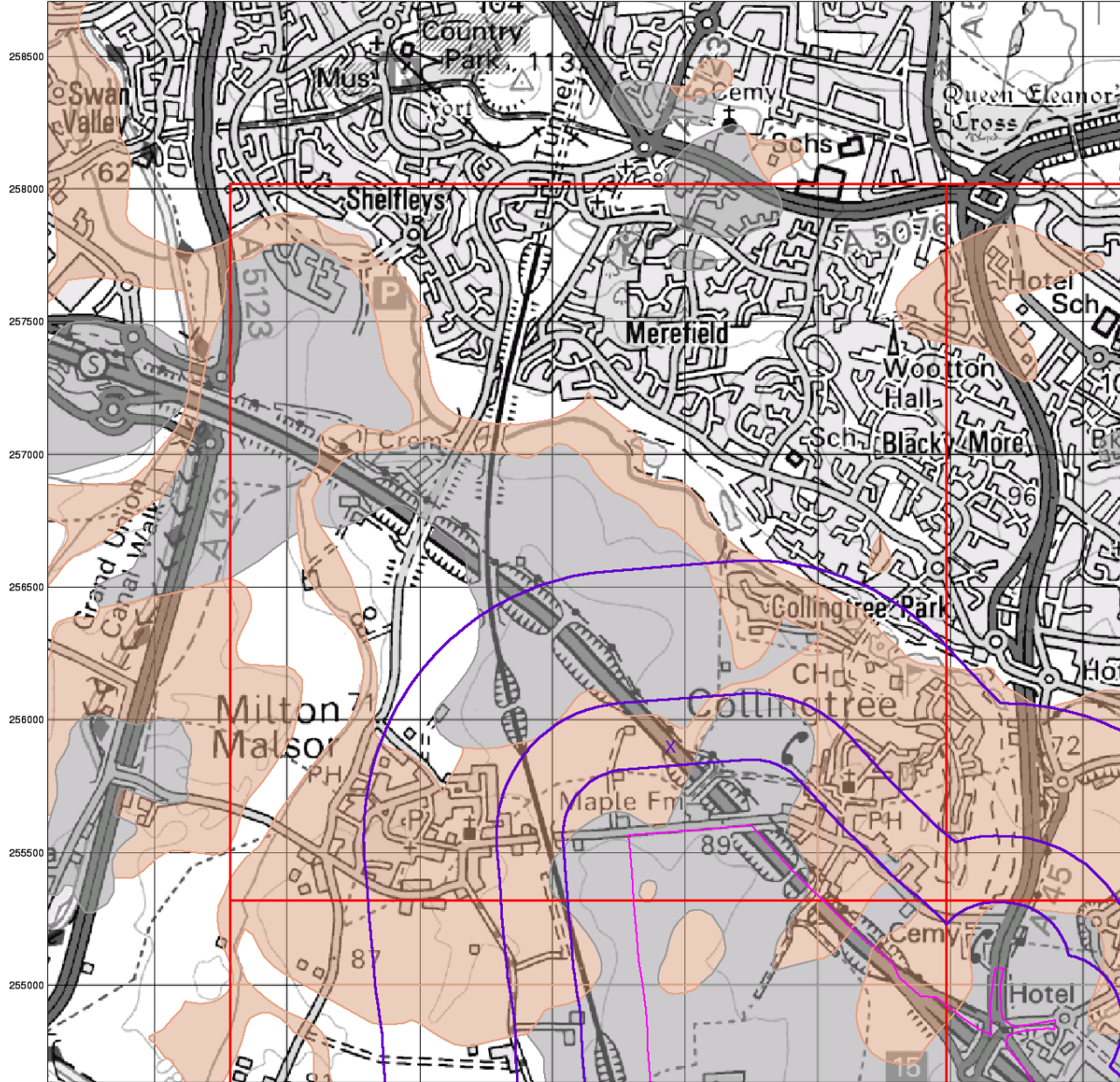
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0 1 km



## Superficial Aquifer Designation

### General

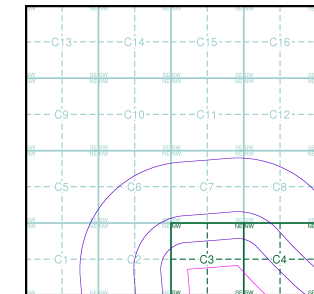
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice C



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

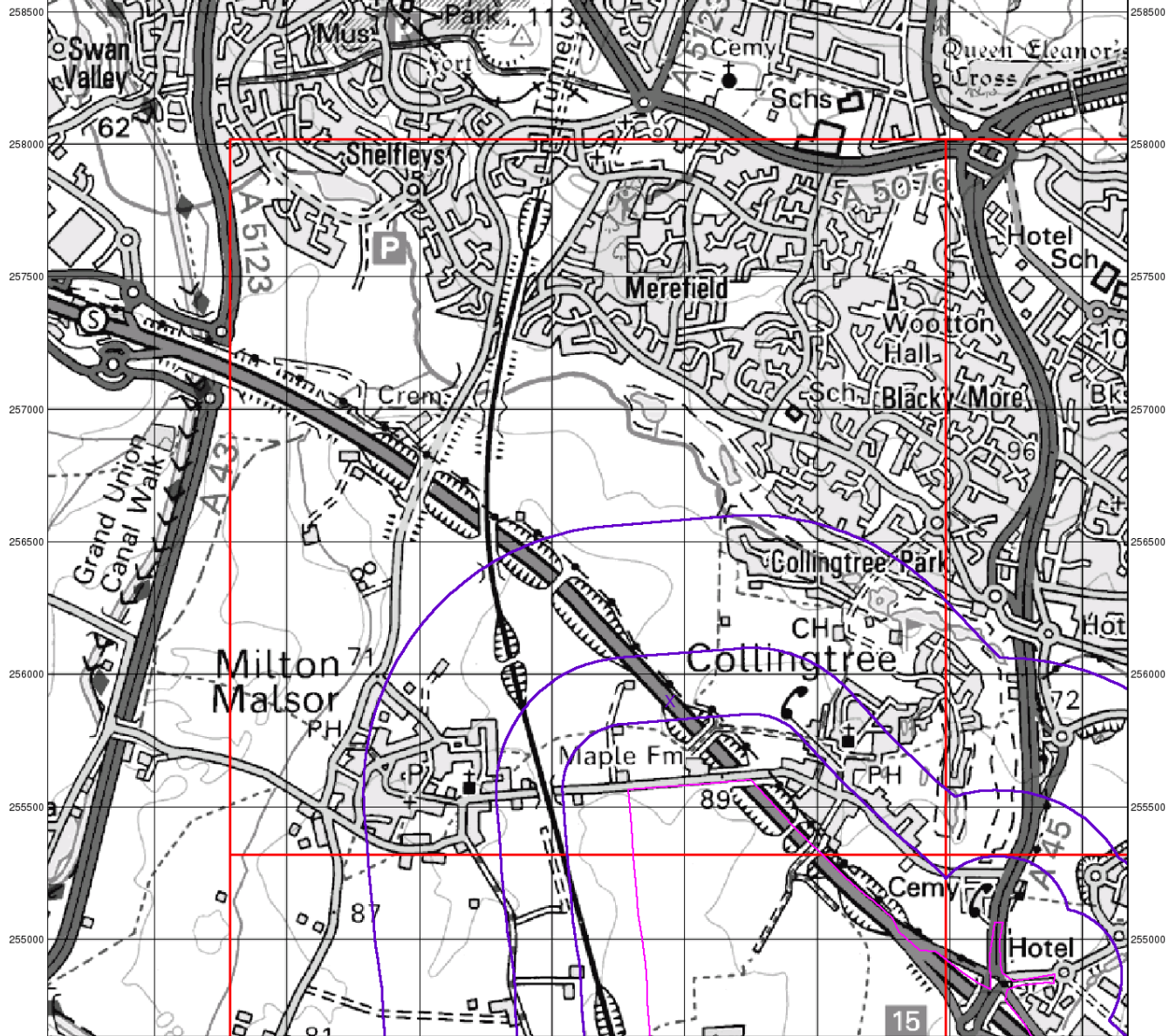
### Site Details

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0 1 km



## Source Protection Zones

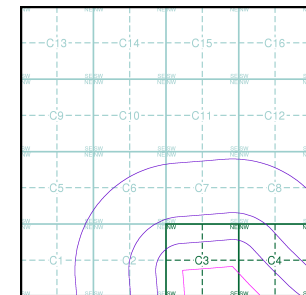
### General

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

### Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

## Site Sensitivity Context Map - Slice C



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

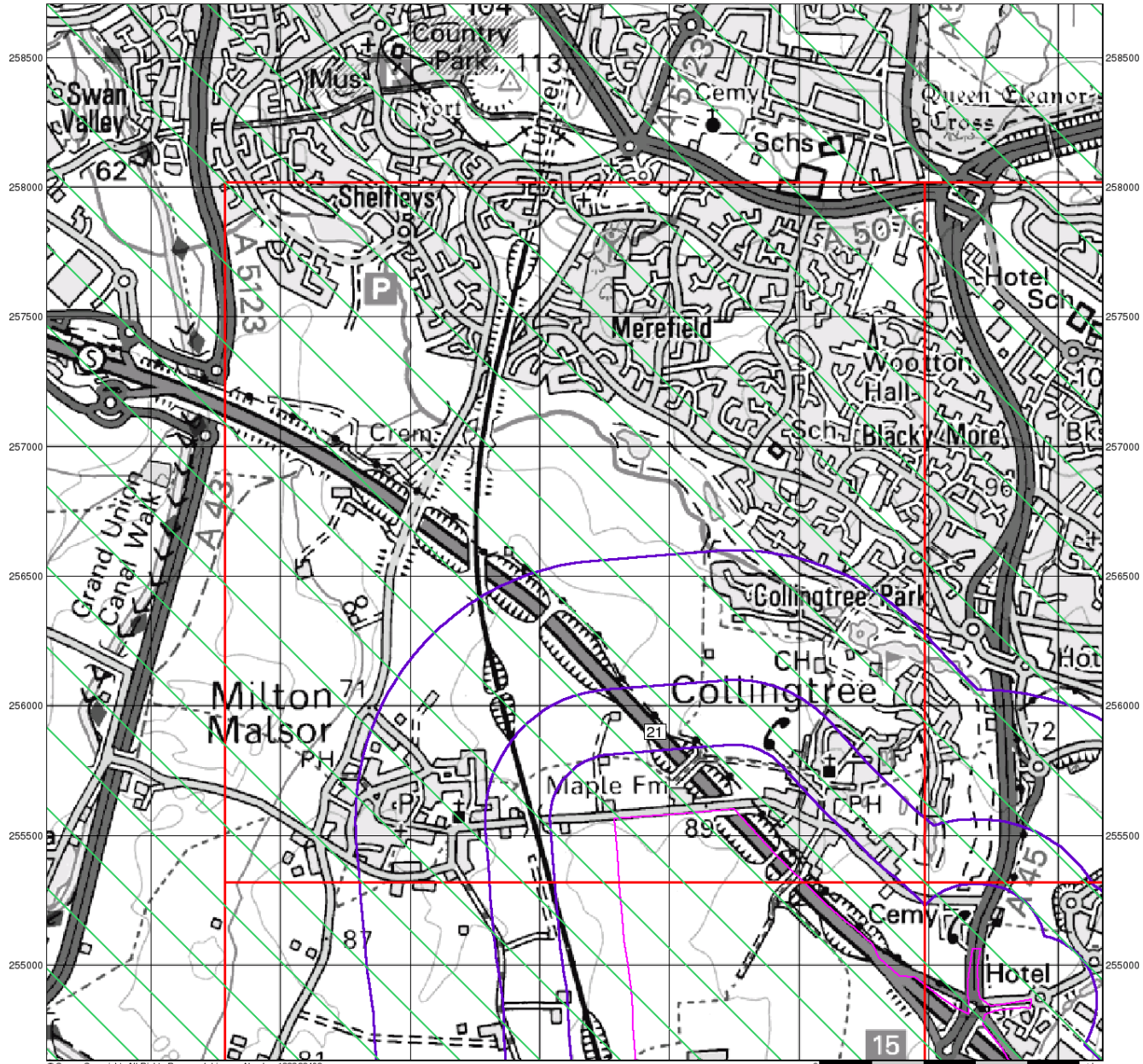
### Site Details

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## Sensitive Land Uses

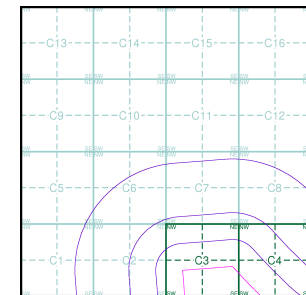
### General

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

### Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

### Site Sensitivity Context Map - Slice C



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

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 Web: www.envirocheck.co.uk

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

59121721\_1\_1

**Customer Reference:**

312598

**National Grid Reference:**

474440, 255900

**Slice:**

C

**Site Area (Ha):**

172.72

**Search Buffer (m):**

1000

#### Site Details:

M1 Junction 15

NORTHAMPTON

#### Client Details:

Mrs D Martin

RSK Environment Ltd

Abbey Park

Humber Road

Coventry

CV3 4AQ

<b>Report Section</b>	<b>Page Number</b>
<b>Summary</b>	<b>-</b>
<b>Agency &amp; Hydrological</b>	<b>1</b>
<b>Waste</b>	<b>8</b>
<b>Hazardous Substances</b>	<b>-</b>
<b>Geological</b>	<b>9</b>
<b>Industrial Land Use</b>	<b>18</b>
<b>Sensitive Land Use</b>	<b>19</b>
<b>Data Currency</b>	<b>20</b>
<b>Data Suppliers</b>	<b>24</b>
<b>Useful Contacts</b>	<b>25</b>

#### **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 and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

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

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#### **Report Version v47.0**

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		2	2	3
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 2				6
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 3				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4		1	1	1 (*4)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 5	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 6		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 6		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 6		Yes	Yes	n/a
Detailed River Network Offline Drainage					n/a

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)					
Local Authority Recorded Landfill Sites					
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					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 9	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 9	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 15				1
BGS Urban Soil Chemistry	pg 15				Yes
BGS Urban Soil Chemistry Averages	pg 16		Yes		
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 16	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 16	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 16	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 17	Yes	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

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 18		2		1
Fuel Station Entries					
<b>Sensitive Land Use</b>					
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 19	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<b>Discharge Consents</b> Operator: Mr & Mrs Wiseman Property Type: Domestic Property (Single) Location: Maple Farm The Barn, Ash Lane, Colingtree, Northants, Nn4 0nb Authority: Environment Agency, Anglian Region Catchment Area: Wootton Brook (Gayton) Reference: Pr5lf3009 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land <b>Status: Varied under EPR 2010</b> Positional Accuracy: Located by supplier to within 10m	C3SE (SE)	24	2	474570 255609
1	<b>Discharge Consents</b> Operator: Mr & Mrs Wiseman Property Type: Domestic Property (Single) Location: Maple Farm The Barn, Ash Lane, Colingtree, Northants, Nn4 0nb Authority: Environment Agency, Anglian Region Catchment Area: Wootton Brook (Gayton) Reference: Pr5lf3009 Permit Version: 1 Effective Date: 22nd April 1966 Issued Date: 22nd April 1966 Revocation Date: 13th December 2011 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 10m	C3SE (SE)	24	2	474570 255609
2	<b>Discharge Consents</b> Operator: South Northants D.C. Property Type: Domestic Property (Multiple) Location: Railway Cottages 1&2 Collingtree Road, Milton Malsor, Northampton, Nn7 3af Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3004 Permit Version: 1 Effective Date: 22nd February 1966 Issued Date: 22nd February 1966 Revocation Date: 31st July 1997 Discharge Type: Unknown Discharge: Onto Land Environment: Receiving Water: Land <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 100m	C2SE (SW)	390	2	473900 255600
3	<b>Discharge Consents</b> Operator: Mr.A.C. Digby Property Type: Not Supplied Location: Milton Football Club Collingtree Road, Milton Malsor, Northampton Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5lf3756 Permit Version: 1 Effective Date: 23rd January 1981 Issued Date: 23rd January 1981 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge: Onto Land Environment: Receiving Water: Land <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 100m	C2SE (SW)	492	2	473800 255500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<b>Discharge Consents</b> Operator: Bryant Homes Ltd Property Type: Not Supplied Location: Central Area, Res. Dev. At East Hunsbury, Northampton Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5nf5083 Permit Version: 1 Effective Date: 30th September 1985 Issued Date: 30th September 1985 Revocation Date: 26th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Wootton Brook <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 10m	C8NW (NE)	854	2	475120 256370
5	<b>Discharge Consents</b> Operator: Irh (Development Services) Ltd Property Type: Not Supplied Location: Golf And Leisure Co At Collingtree, Northampton Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5nf5329 Permit Version: 1 Effective Date: 13th April 1987 Issued Date: 13th April 1987 Revocation Date: 11th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Wootton Brook <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 10m	C8SE (NE)	909	2	475330 256300
6	<b>Discharge Consents</b> Operator: Bryant Homes Ltd Property Type: Not Supplied Location: Western Area, Res. Dev. At East Hunsbury, Northampton Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr5nf5082 Permit Version: 1 Effective Date: 30th September 1985 Issued Date: 30th September 1985 Revocation Date: 26th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Wootton Brook <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b> Positional Accuracy: Located by supplier to within 10m	C8NW (NE)	962	2	474810 256560
	<b>Nearest Surface Water Feature</b>	C3SE (SE)	0	-	474752 255474
7	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Wootton Brook Incident Date: 7th April 1992 Incident Reference: 1314 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C6SE (W)	524	2	474000 256000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Wootton Brook Incident Date: 13th July 1993 Incident Reference: 1736 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C2SW (W)	590	2	473700 255600
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Crude Sewage Note: Tributary Wootton Brook Incident Date: 5th December 1998 Incident Reference: 3599 Catchment Area: Not Given Receiving Water: Potential River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C2SW (SW)	692	2	473600 255500
10	<b>Pollution Incidents to Controlled Waters</b> Property Type: Domestic/Residential Location: Kettering District, COLLINGTREE Authority: Environment Agency, Anglian Region Pollutant: Chemicals - Paints / Dyes Note: Wootton Brook Incident Date: 13th May 1999 Incident Reference: 3709 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C8SE (NE)	828	2	475200 256295
10	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Wootton Brook Incident Date: 28th November 1998 Incident Reference: 3575 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C8SE (NE)	832	2	475200 256300
11	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Surface Water Outfall Location: Kettering District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Foam Note: Wootton Brook Incident Date: 16th February 1998 Incident Reference: 3274 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C8NW (NE)	935	2	475001 256501
	<b>River Quality</b> Name: Wootton Brk GQA Grade: River Quality B Reach: Quinton Bk....Gayton Arm Estimated Distance (km): 7 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	C8NW (NE)	823	2	474890 256469

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<b>Water Abstractions</b> Operator: J L Sears Licence Number: 5/32/04/*g/049 Permit Version: Not Supplied Location: Well At, GLEBE HOUSE Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 13640 Details: Northampton Sanstone; 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 100m	C4SW (SE)	167	2	474940 255640
13	<b>Water Abstractions</b> Operator: B.E.S.D. & N.L. Capsey Licence Number: 5/32/04/*g/010 Permit Version: Not Supplied Location: Well At, COLLINGTREE Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 1140 Details: Miscellaneous Jurassic; 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 100m	C4SW (SE)	257	2	475100 255600
14	<b>Water Abstractions</b> Operator: H C Sargeant & Sons Licence Number: 5/32/04/*S/0042 Permit Version: 100 Location: Spring At Milton Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C7SE (NE)	511	2	474600 256100
	<b>Water Abstractions</b> Operator: Collingtree Park Golf Course Ltd Licence Number: 5/32/04/*S/0055 Permit Version: 1 Location: Wootton Brook At Collingtree Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 18th June 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C11NW (N)	1475	2	474260 257040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Collingtree Park Golf Course Ltd Licence Number: 5/32/04/*S/0056 Permit Version: 1 Location: Wootton Brook At Collingtree Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 October Authorised End: 31 March Permit Start Date: 18th June 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C11NW (N)	1475	2	474260 257040
	<b>Water Abstractions</b> Operator: Collingtree Park Golf Course Licence Number: 5/32/04/*S/0052b Permit Version: 100 Location: Wootton Brook Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 October Authorised End: 31 March Permit Start Date: 1st March 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	C11NW (N)	1532	2	474300 257100
	<b>Water Abstractions</b> Operator: Collingtree Park Golf Course Licence Number: 5/32/04/*S/0052a Permit Version: 100 Location: Wootton Brook Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st March 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C11NW (N)	1532	2	474300 257100
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	C3NW (N)	0	2	474443 255988
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	C7SE (NE)	0	2	474802 256097
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(SE)	0	3	475000 255001
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	C4NW (E)	0	3	475000 255900
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(S)	0	3	474445 255001
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	C3NW (E)	0	3	474445 255900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(S)	0	3	474445 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(SE)	0	3	475172 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C4NW (E)	0	3	475000 255900
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	C3NE (E)	0	3	474542 255861
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(S)	0	3	474405 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(S)	0	3	474518 255280
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C3SW (S)	0	3	474381 255390
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	C3NW (E)	0	3	474445 255900
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(SE)	0	3	475614 255261
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	C4SE (SE)	0	3	475195 255323
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(SE)	0	3	475000 255001
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	C8NW (NE)	73	2	474815 256389
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	C8NW (NE)	95	2	474880 256454
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
15	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C4SE (SE)	247	2	475186 255501

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C4SE (SE)	304	2	475225 255542
17	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D005 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	C4NE (E)	434	2	475286 255664
	<b>Detailed River Network Offline Drainage</b> None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Local Authority Landfill Coverage</b> Name: South Northamptonshire District Council - Has supplied landfill data		0	7	474445 255900
	<b>Local Authority Landfill Coverage</b> Name: Northamptonshire County Council - Has supplied landfill data		0	8	474445 255900
	<b>Local Authority Landfill Coverage</b> Name: Northampton Borough Council - Has no landfill data to supply		0	6	474461 255915



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Upper Lias	C3NW (E)	0	3	474445 255900
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C8SW (E)	0	4	474941 256000
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C4NW (E)	0	4	475000 255900
	<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: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	C4SE (SE)	0	4	475195 255322
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3SW (S)	0	4	474381 255389
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3NE (E)	0	4	474542 255861
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3NW (E)	16	4	474445 255900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2SE (SW)	142	4	474000 255349
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	C4SE (SE)	229	4	475213 255484
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2NE (W)	289	4	474000 255900
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2SE (SW)	296	4	474000 255462
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C3NE (NE)	386	4	474475 255968
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C7SE (NE)	400	4	474612 256000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C7SE (NE)	410	4	474534 256000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C7SW (N)	417	4	474445 256000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C7SW (N)	425	4	474428 256000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C8SW (E)	472	4	475000 256000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2NE (W)	497	4	474000 255970
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C6SE (W)	499	4	474028 256000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C6SE (W)	524	4	474000 256000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C7SE (NE)	590	4	474696 256194
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2NW (W)	596	4	473677 255665
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2NW (W)	637	4	473636 255662
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2SW (SW)	668	4	473614 255359
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2NW (W)	682	4	473605 255691

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2NW (W)	696	4	473664 255891
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2SW (W)	701	4	473495 255607
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C2SW (W)	704	4	473587 255637
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	C2NW (W)	709	4	473614 255779
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	C2NW (W)	715	4	473597 255745
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	C8SW (NE)	740	4	475000 256297

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	C8SW (NE)	756	4	475000 256330
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	C7NE (NE)	772	4	474809 256419
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C6SW (NW)	853	4	473706 256225
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C8NW (NE)	865	4	475000 256505
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	C6SW (NW)	903	4	473641 256268
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	C7NE (NE)	939	4	474782 256605

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	C6SW (W)	979	4	473526 256203
18	<b>BGS Recorded Mineral Sites</b> Site Name: Milton Sand Pit Location: , Milton, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139748 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	C2SW (SW)	509	3	473793 255380
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 474730, 256260 Soil Sample Type: Topsoil Sample Area: Northampton Arsenic Measured 20.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 77.00 mg/kg Concentration: Lead Measured 31.00 mg/kg Concentration: Nickel Measured 23.00 mg/kg Concentration:	C7SE (NE)	660	3	474730 256260
	<b>BGS Measured Urban Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Grid: 475170, 256190 Soil Sample Type: Topsoil Sample Area: Northampton Arsenic Measured 39.00 mg/kg Concentration: Cadmium Measured 0.30 mg/kg Concentration: Chromium Measured 110.00 mg/kg Concentration: Lead Measured 61.00 mg/kg Concentration: Nickel Measured 27.00 mg/kg Concentration:	C8SE (E)	725	3	475170 256190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Urban Soil Chemistry Averages</b> Source: British Geological Survey, National Geoscience Information Service Sample Area: Northampton Count Id: 275 Arsenic Minimum Concentration: 8.00 mg/kg Arsenic Average Concentration: 34.00 mg/kg Arsenic Maximum Concentration: 107.00 mg/kg Cadmium Minimum Concentration: 0.30 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 134.10 mg/kg Chromium Minimum Concentration: 53.00 mg/kg Chromium Average Concentration: 129.00 mg/kg Chromium Maximum Concentration: 4304.00 mg/kg Lead Minimum Concentration: 25.00 mg/kg Lead Average Concentration: 82.00 mg/kg Lead Maximum Concentration: 655.00 mg/kg Nickel Minimum Concentration: 6.00 mg/kg Nickel Average Concentration: 30.00 mg/kg Nickel Maximum Concentration: 76.00 mg/kg	C3NW (E)	101	3	474445 255900
	<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> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NW (E)	0	3	475000 255900
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NW (E)	0	3	474445 255900
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3NW (E)	0	3	474445 255900
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C4NW (E)	0	3	475000 255900
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3NW (E)	0	3	474445 255900
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C4NW (E)	0	3	475000 255900
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NW (E)	0	3	474445 255900
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NW (E)	0	3	475000 255900
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3NW (E)	0	3	474445 255900
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NW (E)	0	3	475000 255900



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C3NE (E)	0	3	474542 255861
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C4SE (SE)	0	3	475195 255322
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SW (S)	0	3	474381 255389
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3NW (E)	0	3	474445 255900
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C4NW (E)	0	3	475000 255900
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C4SE (SE)	229	3	475213 255484
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	C3NW (E)	0	3	474445 255900
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	C4NW (E)	0	3	475000 255900
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	C3NW (E)	0	3	474445 255900
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	C4NW (E)	0	3	475000 255900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<b>Contemporary Trade Directory Entries</b> Name: Puras Ltd Location: Maple Farmhouse, Ash Lane, Collingtree, Northampton, Northamptonshire, NN4 0NB Classification: Car Accessories Manufacturers <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	C3SE (SE)	46	-	474558 255630
19	<b>Contemporary Trade Directory Entries</b> Name: Central Foods Group Ltd Location: Maple Court, Ash Lane, Collingtree, NORTHAMPTON, NN4 0NB Classification: Frozen Food Processors & Distributors <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	C3NE (SE)	88	-	474554 255672
20	<b>Contemporary Trade Directory Entries</b> Name: Milton Cleaning Services Location: 15, Lower Road, Milton Malsor, Northampton, NN7 3AW Classification: Cleaning Services - Domestic <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	C1NE (W)	905	-	473433 255857

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	C3NW (E)	0	5	474445 255900













Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> South Northamptonshire Council - Environment Division Northampton Borough Council - Environmental Health Department	August 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region	September 1999	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Registered Radioactive Substances</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region	July 2014	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 2011	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually

Agency & Hydrological	Version	Update Cycle
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2014	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2014	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	Annually
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Northern Area	July 2014	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Local Authority Landfill Coverage</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	March 2014	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	November 2013	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	April 2013 March 2013 November 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	April 2013 March 2013 May 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	January 2010	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2014	Bi-Annually
<b>BGS Urban Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	June 2011	Annually
<b>BGS Urban Soil Chemistry Averages</b> British Geological Survey - National Geoscience Information Service	June 2011	Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	December 2013	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	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

<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	May 2014	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	March 2014	Quarterly
<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Areas of Outstanding Natural Beauty</b> Natural England	January 2014	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	July 2013	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>National Parks</b> Natural England	January 2014	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	July 2014	Annually
<b>Ramsar Sites</b> Natural England	March 2014	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	March 2014	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	March 2014	Bi-Annually
<b>Special Protection Areas</b> Natural England	March 2014	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	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Countryside Council for Wales	 <p>CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES</p>
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	




Contact	Name and Address	Contact Details
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
5	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
6	<b>Northampton Borough Council - Environmental Health Department</b> Cliftonville House, Bedford Road, Northampton, Northamptonshire, NN4 7NR	Telephone: 01604 238788 Fax: 01604 30503 Website: www.northampton.gov.uk
7	<b>South Northamptonshire Council - Environmental Health Department</b> Springfields, Towcester, Northamptonshire, NN12 6AE	Telephone: 0845 2300226 Fax: 01327 359219 Website: www.southnorthants.gov.uk
8	<b>Northamptonshire County Council</b> County Hall, Northampton, Northamptonshire, NN1 1DN	Telephone: 01604 236236 Website: www.northamptonshire.gov.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 / SEPA have a charging policy in place for enquiries.

## Geology 1:50,000 Maps Legends











### Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene

### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	ODT	Oadby Member	Diamicton	Anglian - Anglian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Ipswichian - Cromerian
	TUFA	Tufa	Tufa, Calcareous	Quaternary - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WBRO	Wellingborough Limestone Member	Limestone	Bathonian - Bathonian
	BWL	Blisworth Limestone Formation	Limestone	Bathonian - Bathonian
	BWC	Blisworth Clay Formation	Mudstone	Bathonian - Bathonian
	STAM	Stamford Member	Sandstone and Siltstone, Interbedded	Bathonian - Bajocian
	RLD	Rutland Formation	Mudstone	Bathonian - Bajocian
	NS	Northampton Sand Formation	Ironstone, Ooidal	Aalenian - Aalenian
	WHM	Whitby Mudstone Formation	Mudstone	Toarcian - Toarcian
	MRB	Marlstone Rock Formation	Limestone, Ferruginous	Toarcian - Pliensbachian
	DYS	Dyrham Formation	Siltstone and Mudstone, Interbedded	Pliensbachian - Pliensbachian
		Faults		



### Geology 1:50,000 Maps

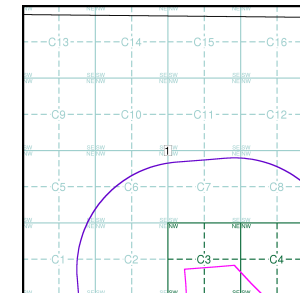
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	202
Map Name:	Towcester
Map Date:	1969
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

### Geology 1:50,000 Maps - Slice C



### Order Details:

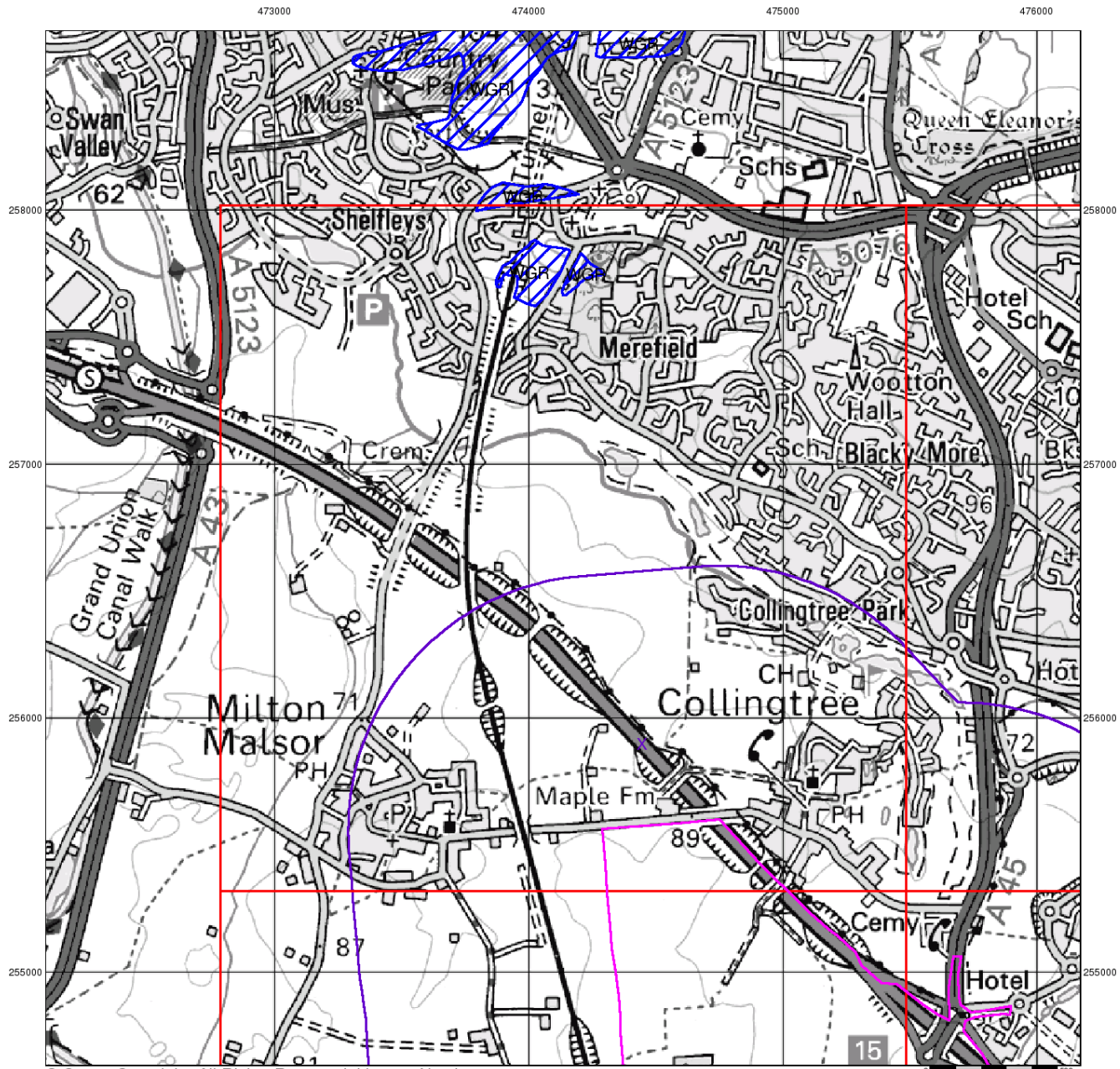
Order Number:	59121721_1_1
Customer Reference:	312598
National Grid Reference:	474440, 255900
Slice:	C
Site Area (Ha):	172.72
Search Buffer (m):	1000

### Site Details:

M1 Junction 15, NORTHAMPTON



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



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### Artificial Ground and Landslip

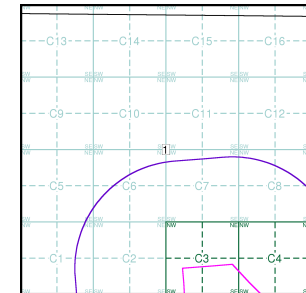
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

### Artificial Ground and Landslip Map - Slice C



#### Order Details:

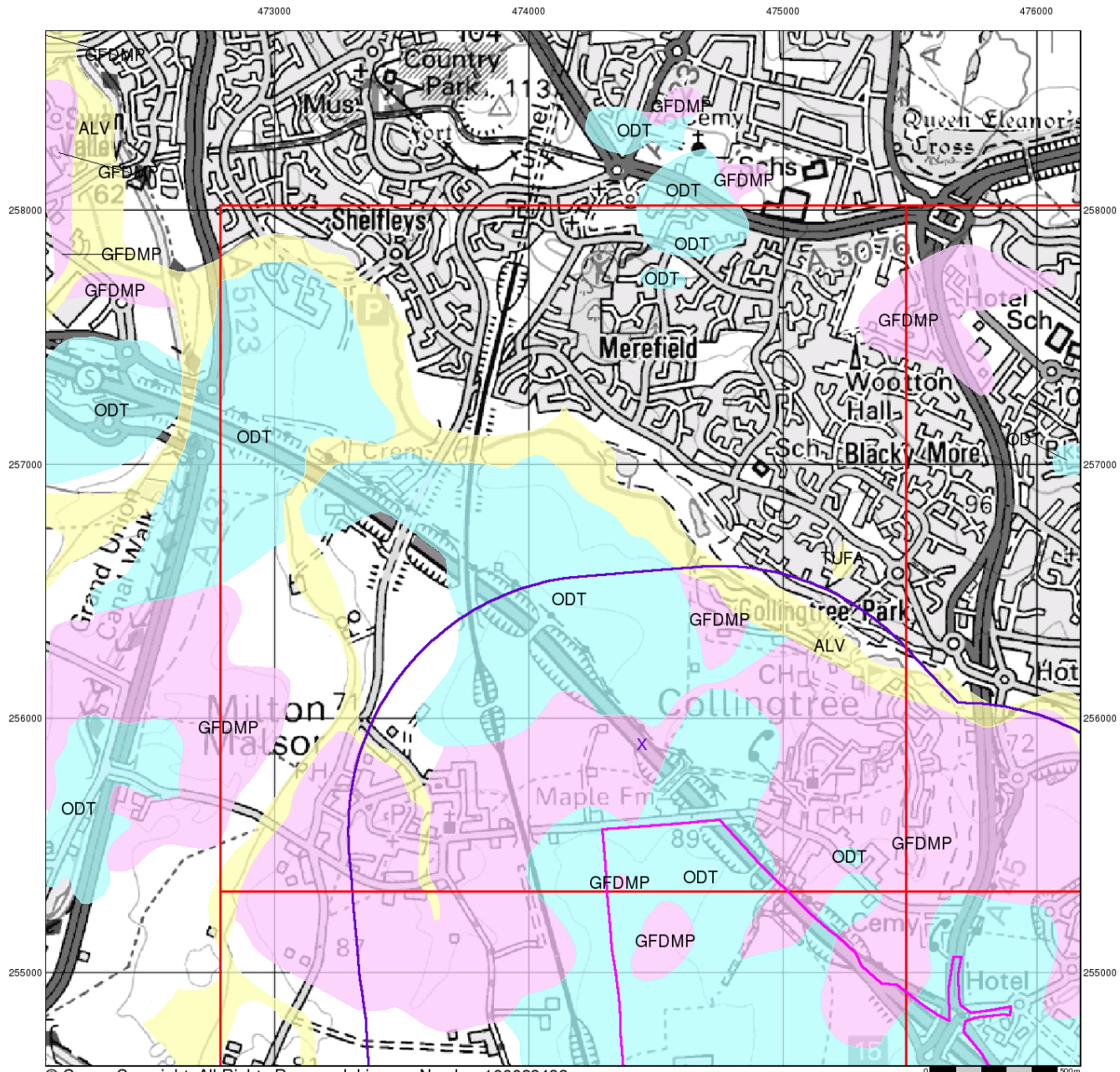
Order Number: 59121721\_1\_1  
 Customer Reference: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

#### Site Details:

M1 Junction 15, NORTHAMPTON



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



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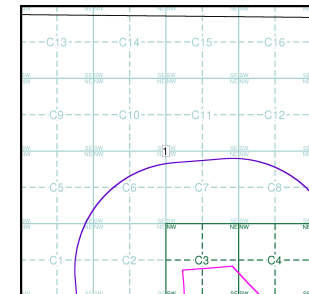
### Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice C



### Order Details:

Order Number: 59121721\_1\_1  
 Customer Reference: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

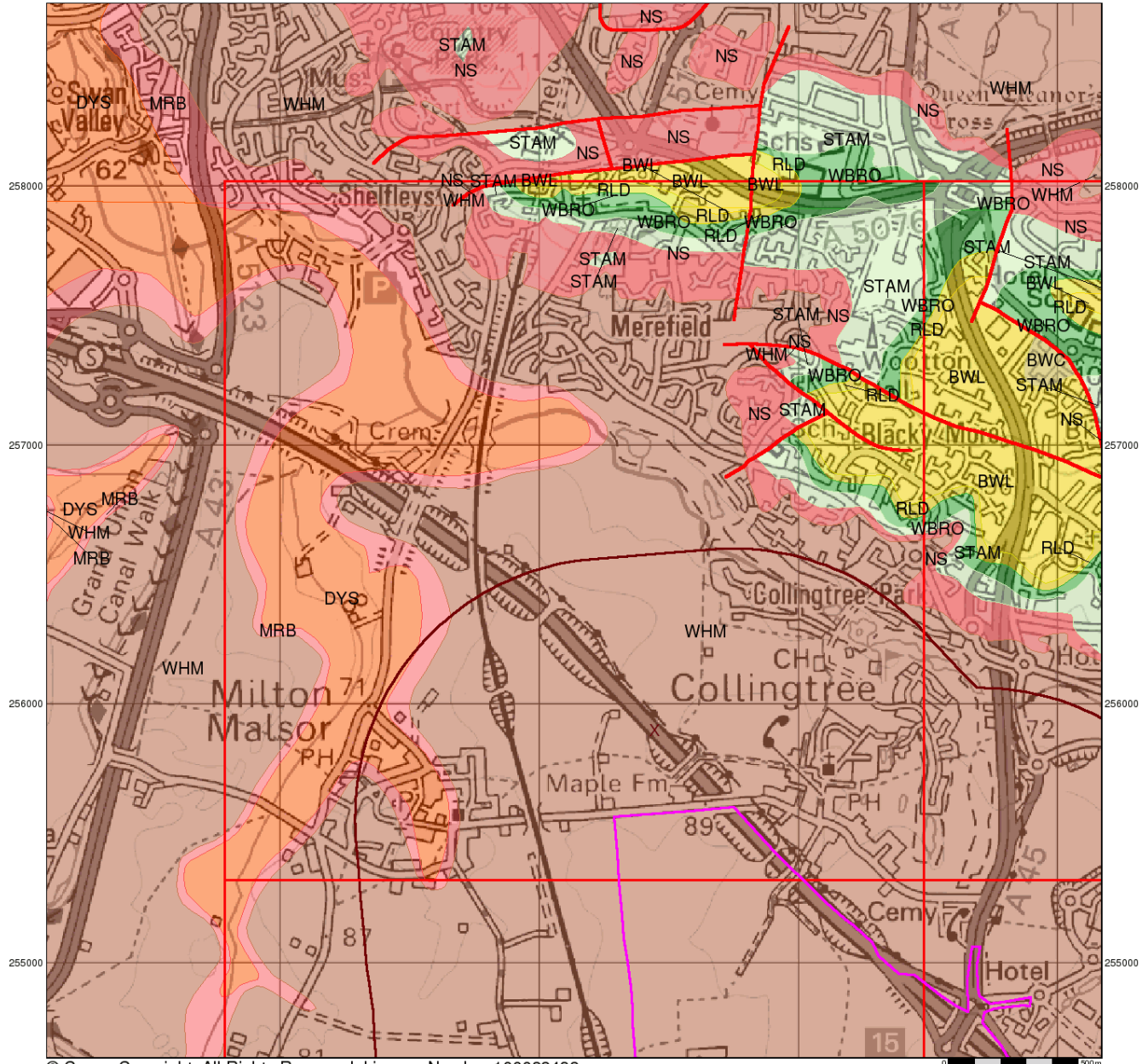
### Site Details:

M1 Junction 15, NORTHAMPTON



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

473000 474000 475000 476000



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### Bedrock and Faults

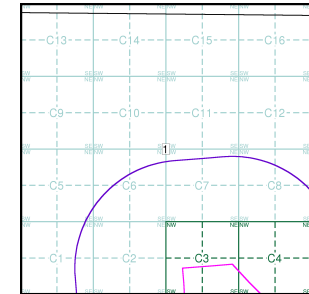
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice C



### Order Details:

Order Number: 59121721\_1\_1  
 Customer Reference: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

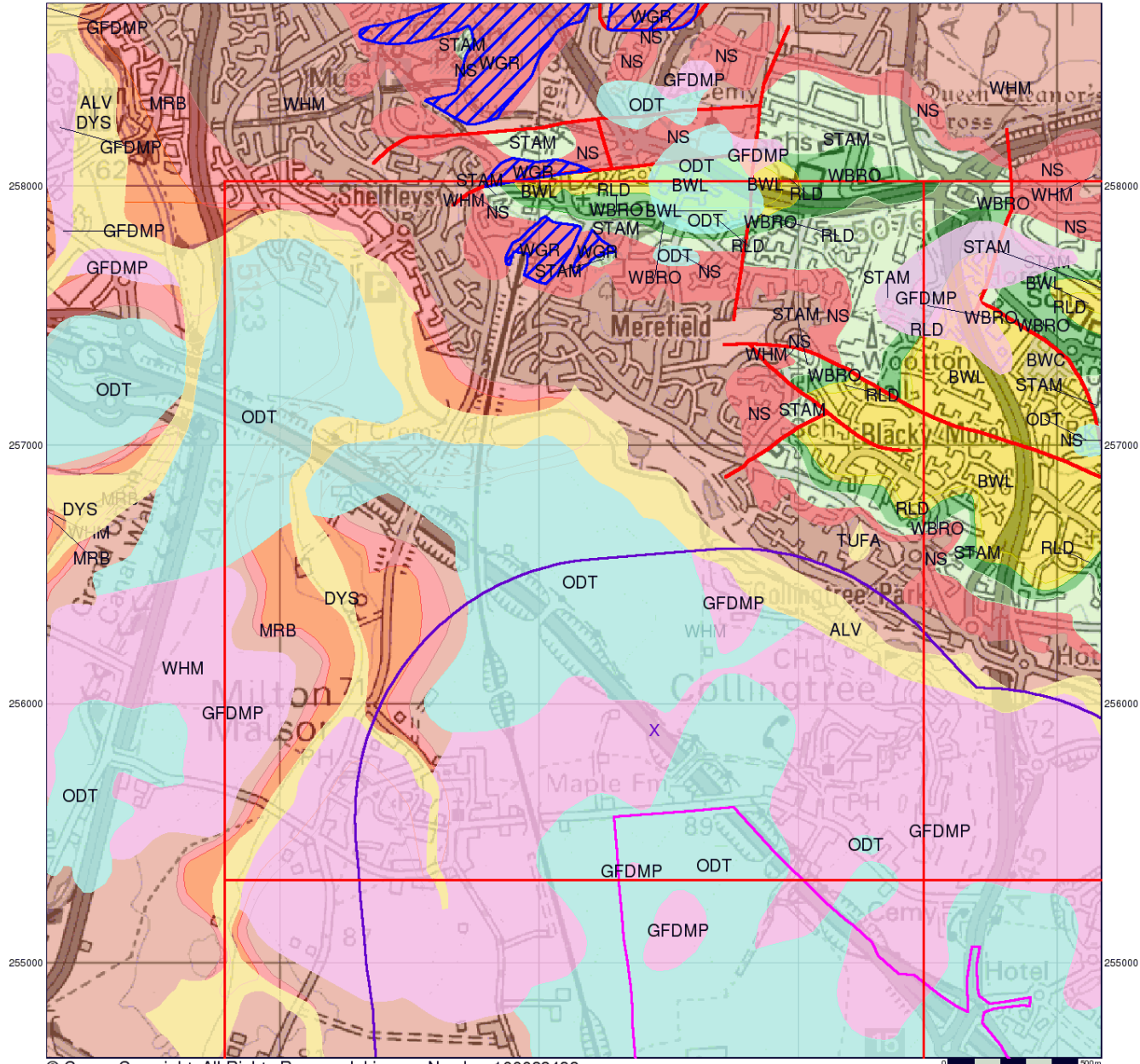
### Site Details:

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 Fax: 0844 844 9951  
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473000 474000 475000 476000



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### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

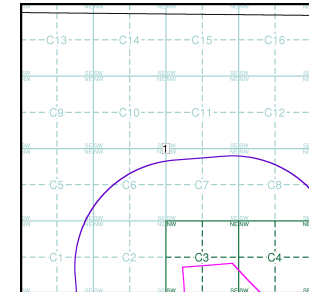
### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
 Kingsley Dunham Centre  
 Keyworth  
 Nottingham  
 NG12 5GG  
 Telephone: 0115 936 3143  
 Fax: 0115 936 3276  
 email: enquiries@bgs.ac.uk  
 website: www.bgs.ac.uk

### Combined Geology Map - Slice C



### Order Details:

Order Number: 59121721\_1\_1  
 Customer Reference: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### 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
- 285** 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
- Co. Boro. Bdy. County Borough Boundary (England)
- Co. Burgh Bdy. County Burgh Boundary (Scotland)
- R.D. Bdy. Rural District Boundary
- Civil Parish Boundary

## Ordnance Survey Plan 1:10,000

- Chalk Pit, Clay Pit or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Lake, Loch or Pond
- Dunes
- Boulders
- Coniferous Trees
- Non-Coniferous Trees
- Orchard
- Scrub
- Coppice
- Bracken
- Heath
- Rough Grassland
- Marsh
- Reeds
- Saltings
- Building
- Glasshouse
- Sloping Masonry
- Pylon
- Electricity Transmission Line
- Pole
- Cutting
- Embankment
- Standard Gauge Multiple Track
- Standard Gauge Single Track
- Siding, Tramway or Mineral Line
- Narrow Gauge
- Geographical County
- Administrative County, County Borough or County of City
- Municipal Borough, Urban or Rural District, Burgh or District Council
- Borough, Burgh or County Constituency
- Civil Parish
- BP, BS Boundary Post or Stone
- Ch Church
- CH Club House
- F E Sta Fire Engine Station
- FB Foot Bridge
- Fn Fountain
- GP Guide Post
- MP Mile Post
- MS Mile Stone
- Pol Sta Police Station
- PO Post Office
- PC Public Convenience
- PH Public House
- SB Signal Box
- Spr Spring
- TCB Telephone Call Box
- TCP Telephone Call Post
- W Well

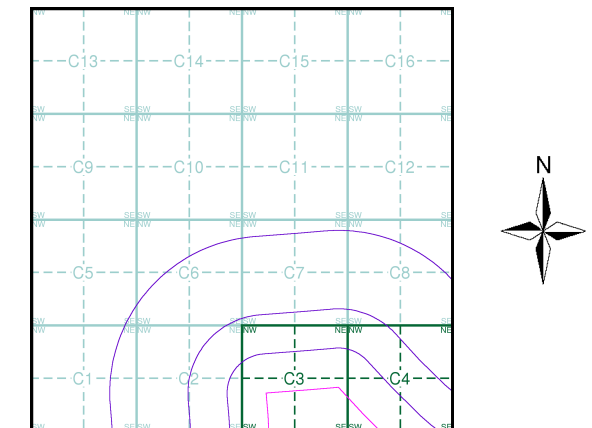
## 1:10,000 Raster Mapping

- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- Refuse tip or slag heap
- Rock (scattered)
- Boulders (scattered)
- Mud
- Sand Pit
- 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
- Coniferous trees
- 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)
- Point feature (e.g. Guide Post or Mile Stone)
- Site of (antiquity)
- General Building
- Important Building

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:10,560	1884 - 1885	3
Buckinghamshire	1:10,560	1885	4
Northamptonshire	1:10,560	1900 - 1901	5
Northamptonshire	1:10,560	1927	6
Northamptonshire	1:10,560	1938 - 1952	7
Historical Aerial Photography	1:10,560	1947	8
Northamptonshire	1:10,560	1952	9
Ordnance Survey Plan	1:10,000	1958	10
Ordnance Survey Plan	1:10,000	1965	11
Ordnance Survey Plan	1:10,000	1968	12
Northampton	1:10,000	1979	13
Ordnance Survey Plan	1:10,000	1983	14
Ordnance Survey Plan	1:10,000	1990 - 1992	15
Ordnance Survey Plan	1:10,000	1993	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2014	18

## Historical Map - Slice C



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

## Site Details

M1 Junction 15, NORTHAMPTON

# Russian Military Mapping Legends

## 1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Fireproof Building		Prominent Fireproof Building
	Non-fireproof Building		Non-fireproof Building (non-dwelling)
	Factory, mill, and flour mill, with chimneys		Factory, mill, and flour mill, without chimneys
	Power Station, drawn to scale		Hydroelectric Power Station
	Radio Station, drawn to scale		Telephone Station, drawn to scale
	Abandoned Open-pit Mine or Quarry		Open-pit Salt Mine
	Pit		Oil Deposit or Well
	Oil Seepage		Natural Gas Tank
	Tailings Pile		Fuel Storage Tanks
	Bench Mark		Drill Hole
	Burial Mound		Triangulation Point on Burial Mound
	Single-track Railroad		Double-track Railroad
	Railroad and Station Building		Small Bridge
	Tunnel		Pipe (Culvert)
	Coniferous Forest		Deciduous Forest
	Mixed Forest		Lawns
	Citrus Orchard		Wet Ground
	Scattered Vegetation		

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

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

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

## 1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Partly Demolished Buildings		Demolished Buildings
	Built-Up Area with Fireproof Buildings Predominant		Built-Up Area with Non-Fireproof Buildings Predominant
	Individual Fireproof Building		Prominent Industrial Building
	Individual Dwelling, Fireproof		Ruins of an Individual Dwelling
	Factory or Mill Chimney		Factory or Mill with Chimney
	Factory or Mill without Chimney		Salt Mine
	Operating Shaft or Mine		Non-Operating Shaft or Mine
	Tailings Pile		Gas Pump or Service Station
	Fuel Storage or Natural Gas Tank		Oil or Natural Gas Derrick
	Small Hydroelectric Power Station		Power Station
	Transformer Station		Cemetery
	Burial Mound (height in metres)		Triangulation Point on Burial Mound
	Triangulation Point		Bench Mark
	Bench Mark (monumented)		Telegraph Office
	Telephone Station		Radio Station
	Radio Tower		Airfield or Seaplane Base
	Landing Strip		Cut
	Fill		Km Post
	Plantings		Width of Road
	Steep Grade		Telegraph/Telephone Lines
	Main Highway		Highway under Construction
	Improved Dirt Road (former truck road)		Small Bridge
	Pipe (Culvert)		Tunnel
	Dismantled Railroad		Double-track Railroad with First Class Station
	Railroad Under Construction		Shore Embankment
	River or Ditch with Embankment		Water Gauge
	Direction and velocity of current		Water Level Mark
	Well		Spring
	Water Reservoir or Rain Water Pit		Isobath with value
	Contour Line and Value		Half Contour Line
	Spot Elevation Value		Coniferous
	Deciduous		Mixed
	Scrub		

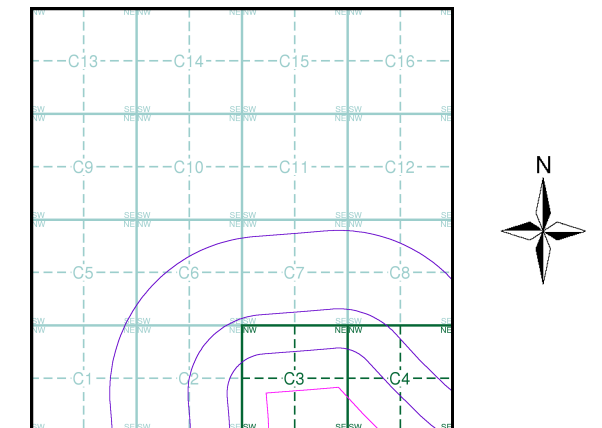
## Key to Numbers on Mapping



### Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:10,560	1884 - 1885	3
Buckinghamshire	1:10,560	1885	4
Northamptonshire	1:10,560	1900 - 1901	5
Northamptonshire	1:10,560	1927	6
Northamptonshire	1:10,560	1938 - 1952	7
Historical Aerial Photography	1:10,560	1947	8
Northamptonshire	1:10,560	1952	9
Ordnance Survey Plan	1:10,000	1958	10
Ordnance Survey Plan	1:10,000	1965	11
Ordnance Survey Plan	1:10,000	1968	12
Northampton	1:10,000	1979	13
Ordnance Survey Plan	1:10,000	1983	14
Ordnance Survey Plan	1:10,000	1990 - 1992	15
Ordnance Survey Plan	1:10,000	1993	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2014	18

### Russian Map - Slice C



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



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## Northamptonshire

Published 1884 - 1885

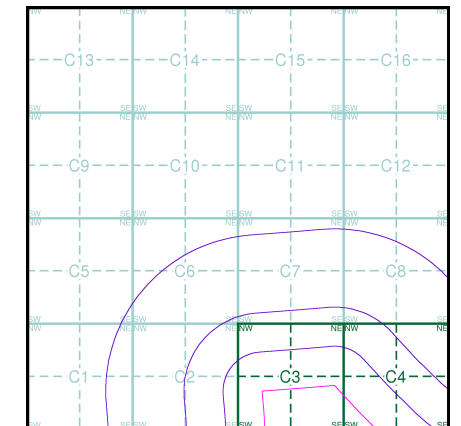
Source map scale - 1:10,560

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)

044SE 1885 1:10,560	045SW 1885 1:10,560
051NE 1884 1:10,560	052NW 1884 1:10,560

### Historical Map - Slice C

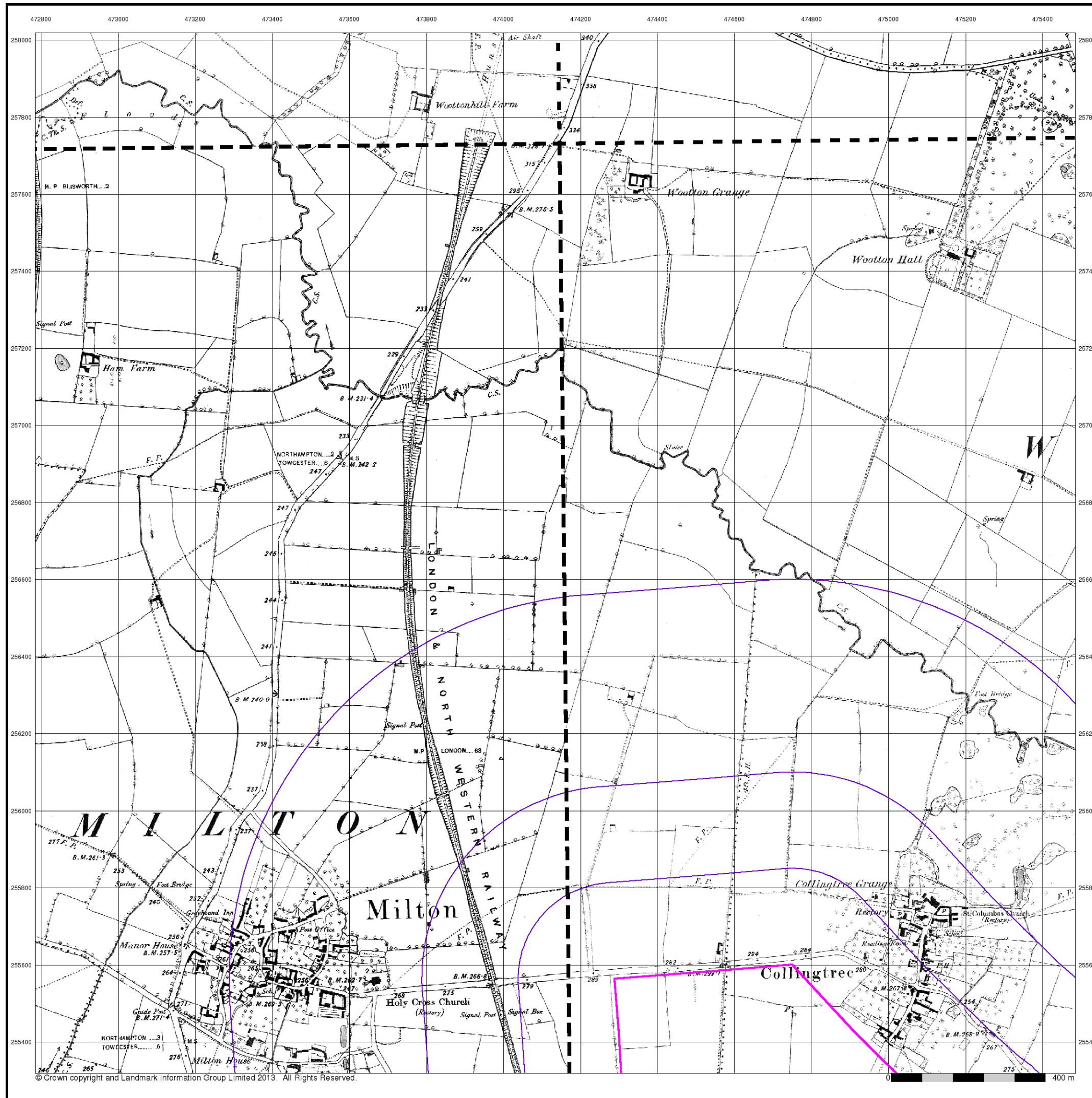


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



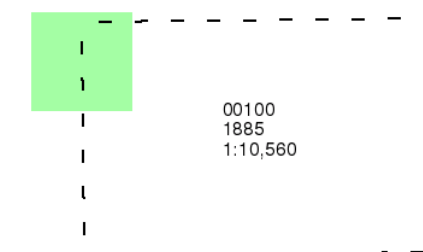
## Buckinghamshire

Published 1885

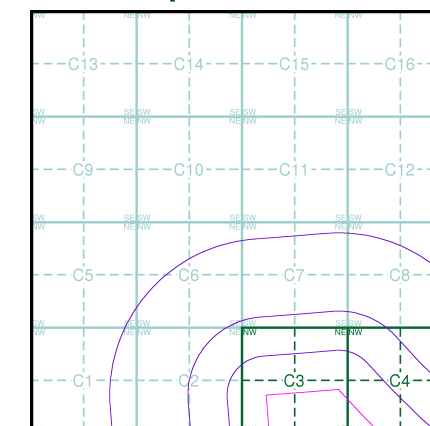
Source map scale - 1:10,560

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

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



### Historical Map - Slice C

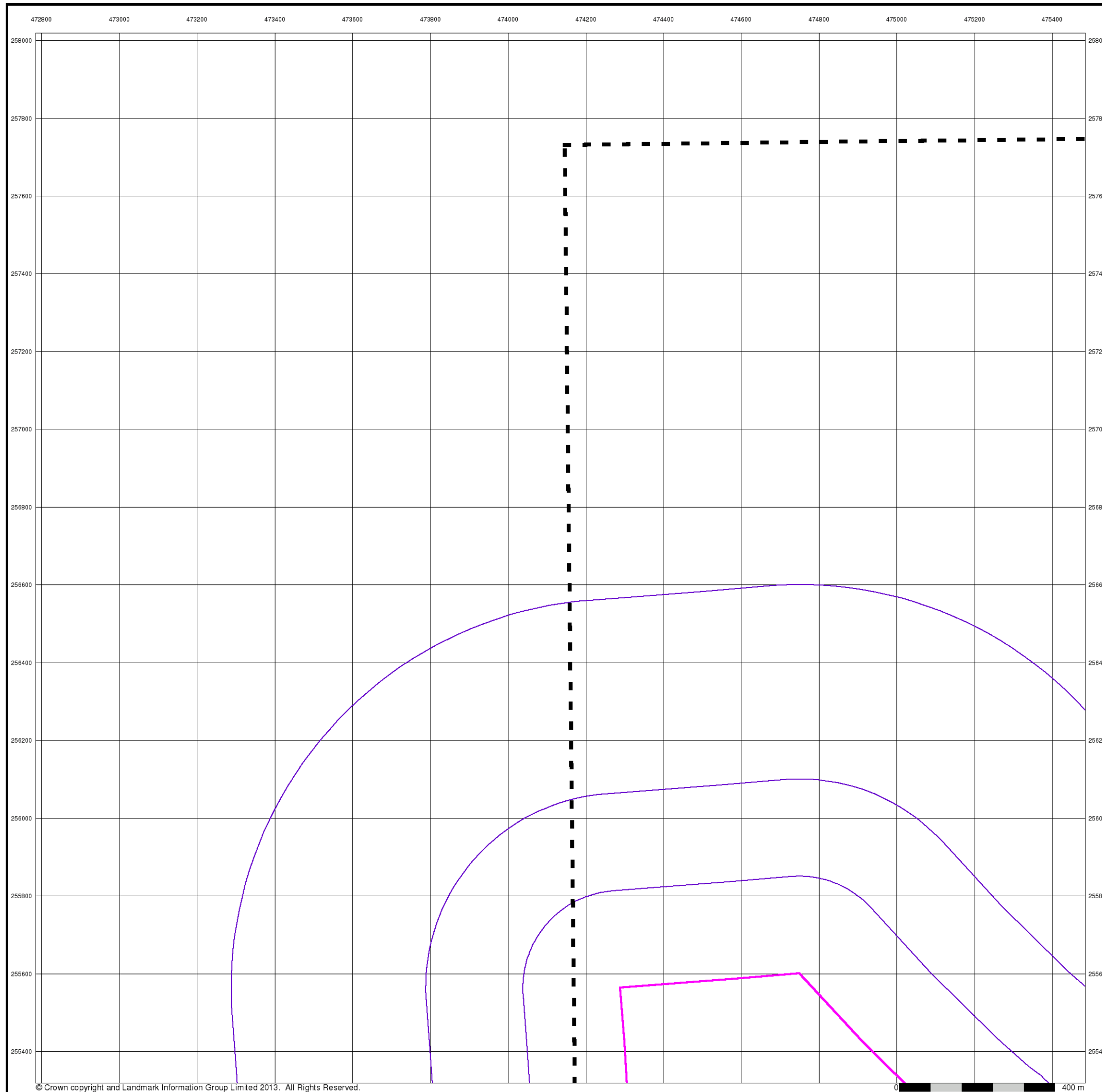


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1900 - 1901

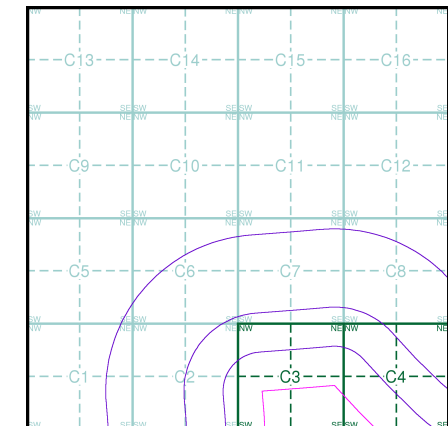
Source map scale - 1:10,560

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)

044SE 1901 1:10,560	045SW 1901 1:10,560
051NE 1900 1:10,560	052NW 1901 1:10,560

### Historical Map - Slice C

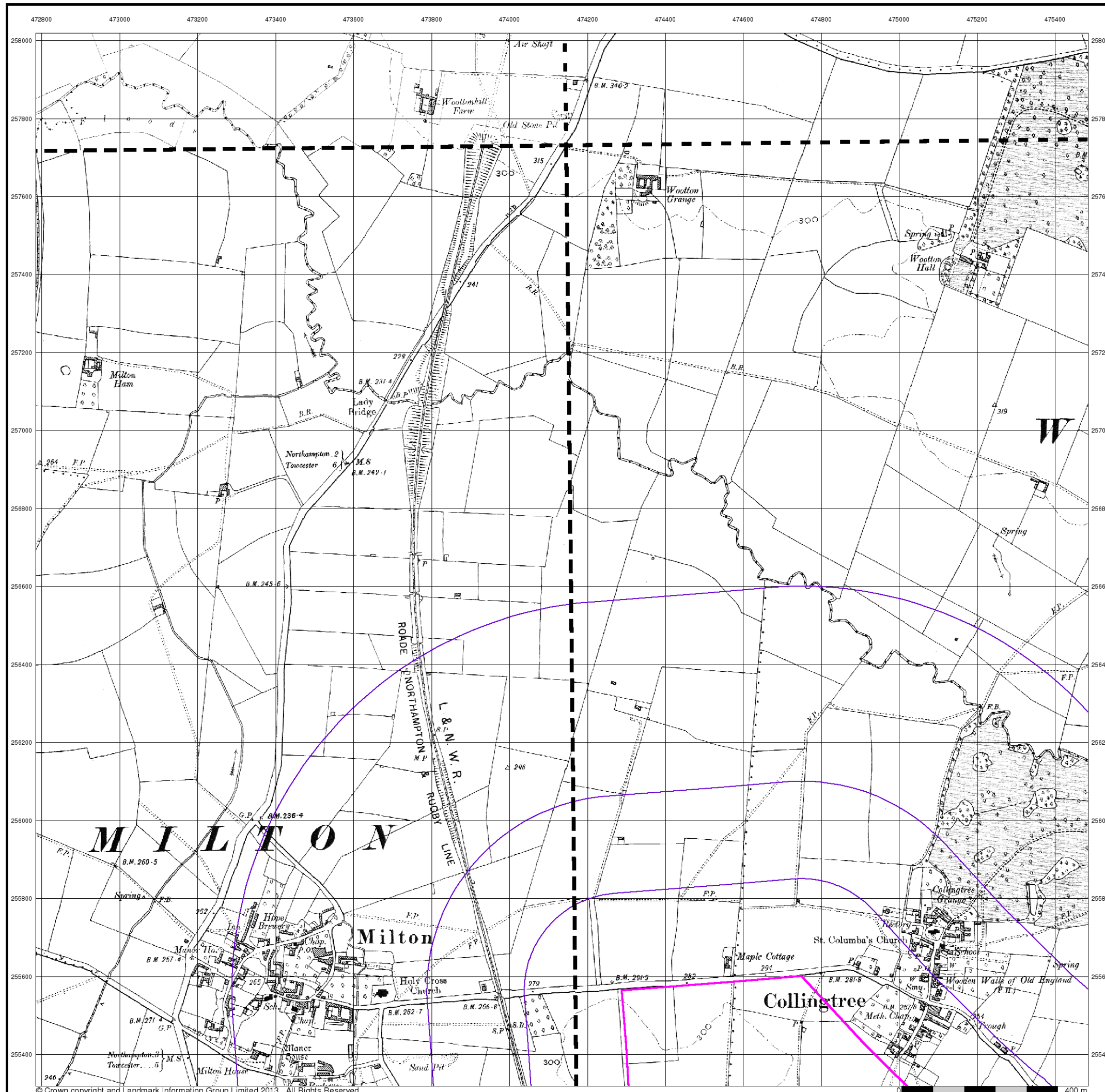


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1927

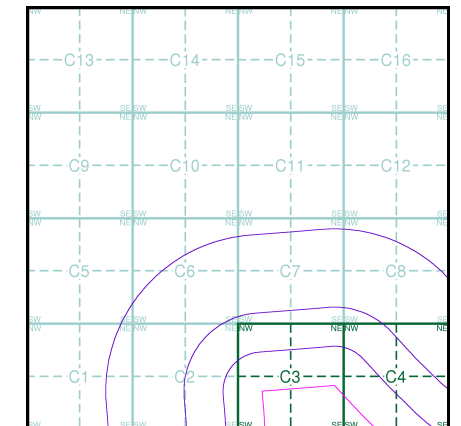
Source map scale - 1:10,560

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)

044SE 1927 1:10,560	045SW 1927 1:10,560
---------------------------	---------------------------

### Historical Map - Slice C

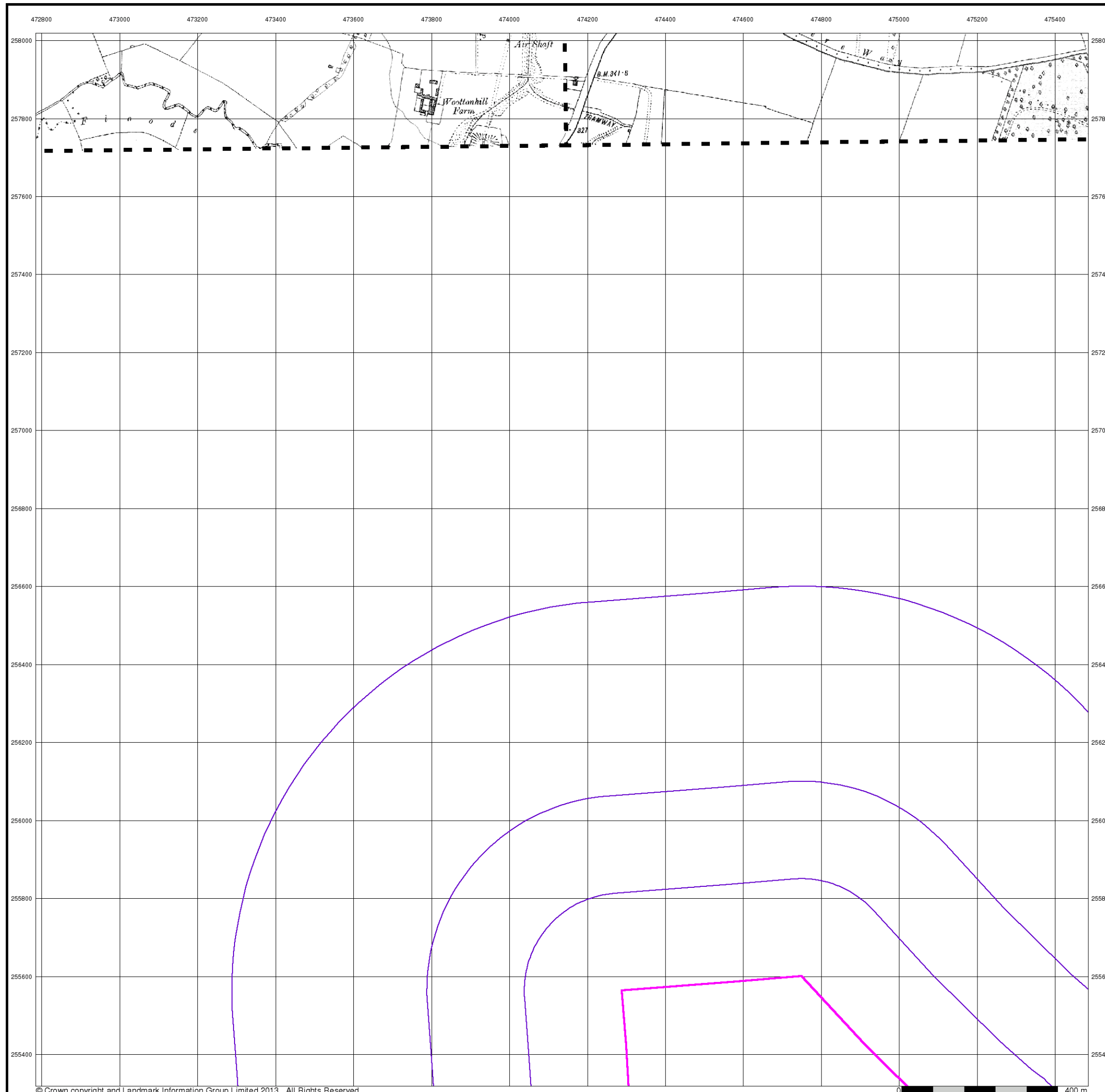


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1938 - 1952

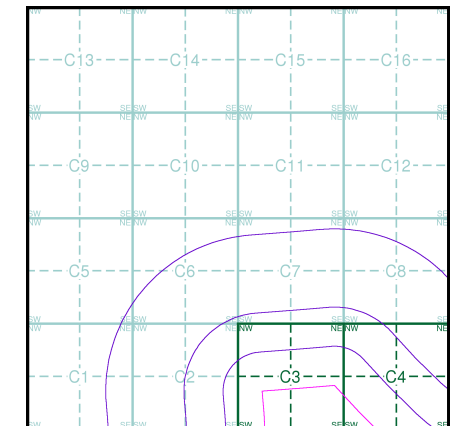
Source map scale - 1:10,560

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)

044SE 1938 1:10,560	045SW 1938 1:10,560
051NE 1952 1:10,560	052NW 1952 1:10,560

### Historical Map - Slice C

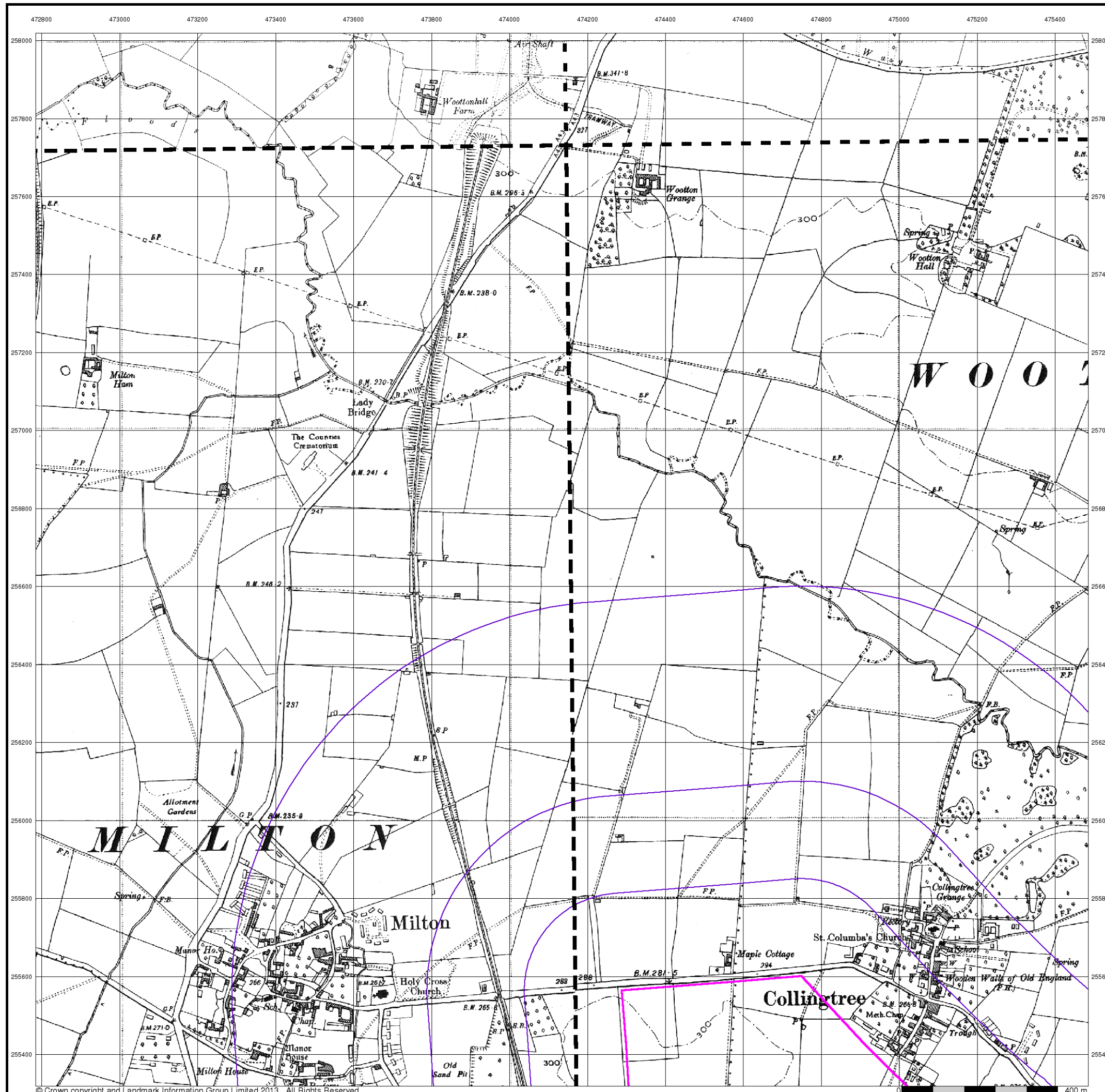


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Historical Aerial Photography

Published 1947

Source map scale - 1:10,560

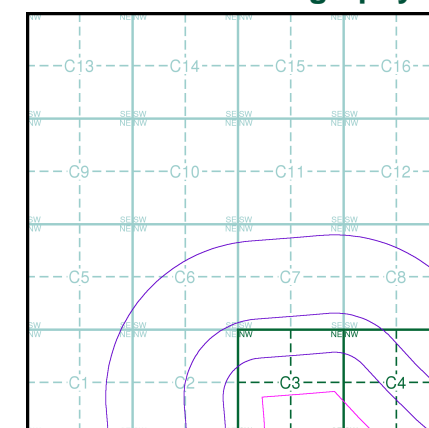
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

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

SP75NW 1947 1:10,560	SP75NE 1947 1:10,560
----------------------------	----------------------------

### Historical Aerial Photography - Slice C



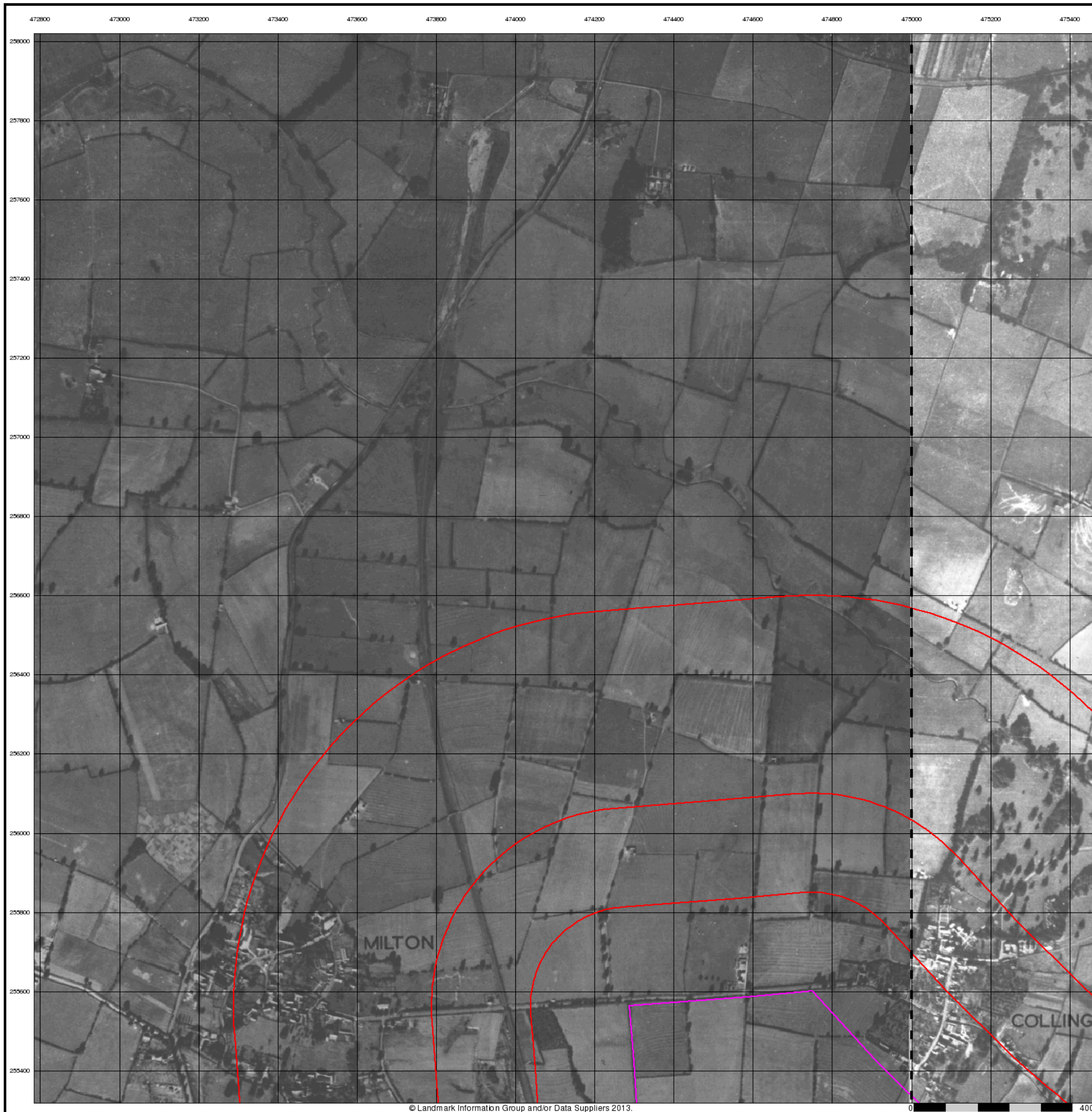
LIBRARY  
HSILIRB

### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1952

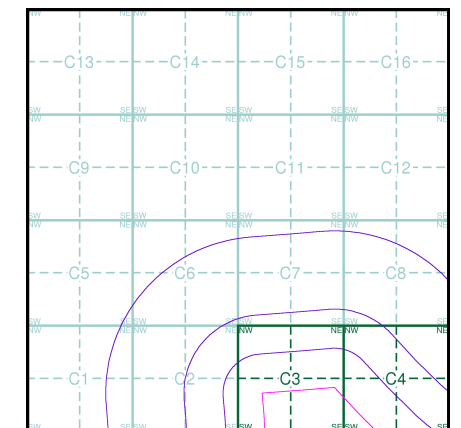
Source map scale - 1:10,560

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)

044SE 1952 1:10,560	045SW 1952 1:10,560
---------------------------	---------------------------

### Historical Map - Slice C

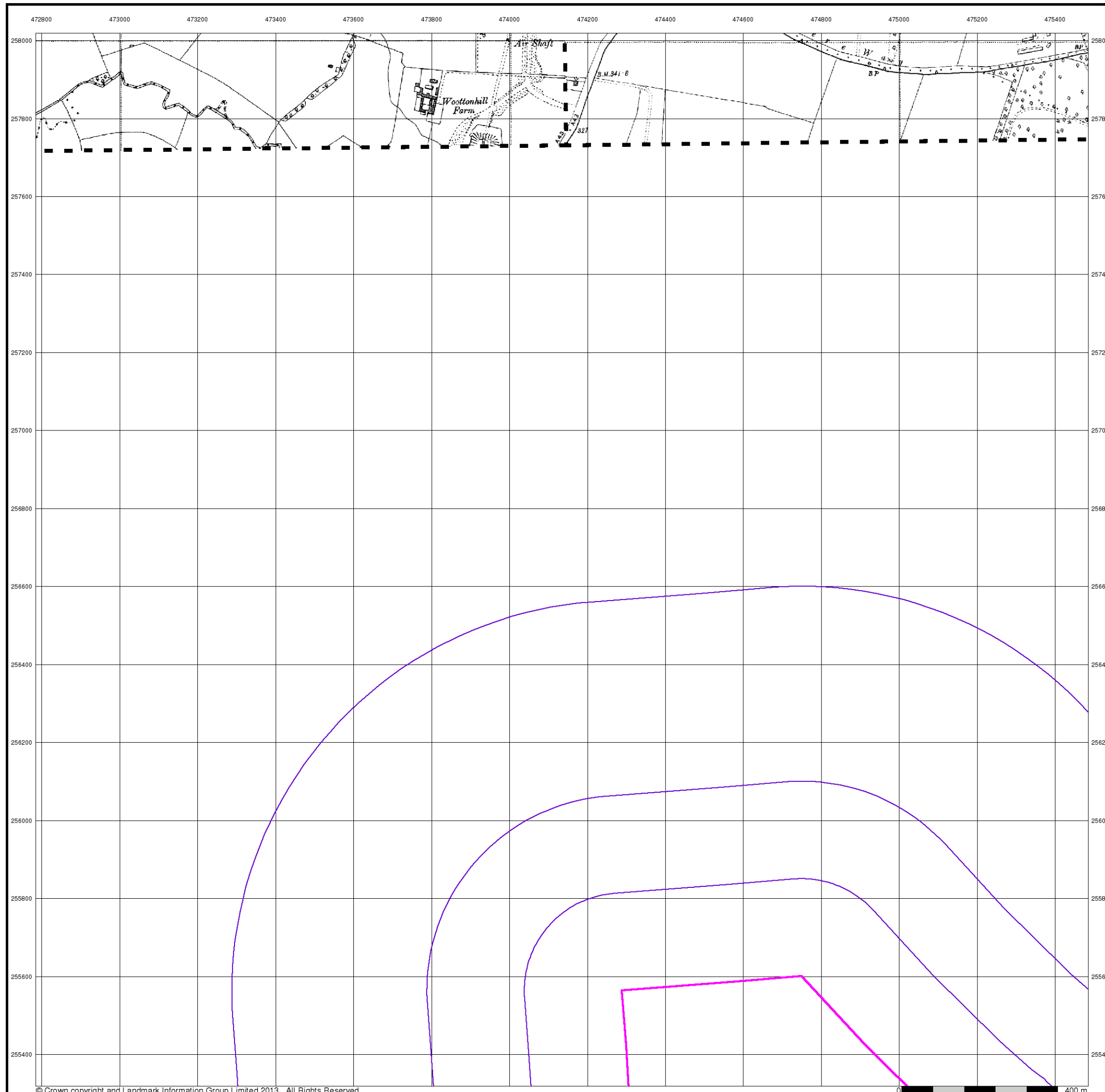


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



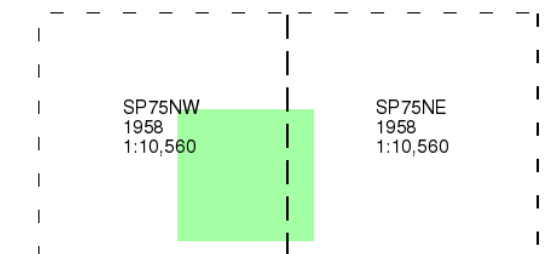
### Ordnance Survey Plan

Published 1958

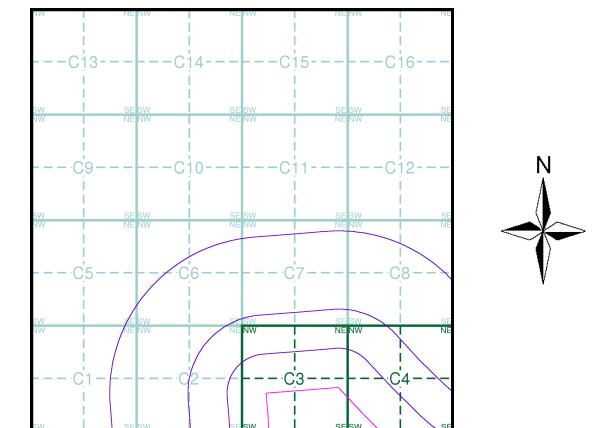
Source map scale - 1:10,000

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 C

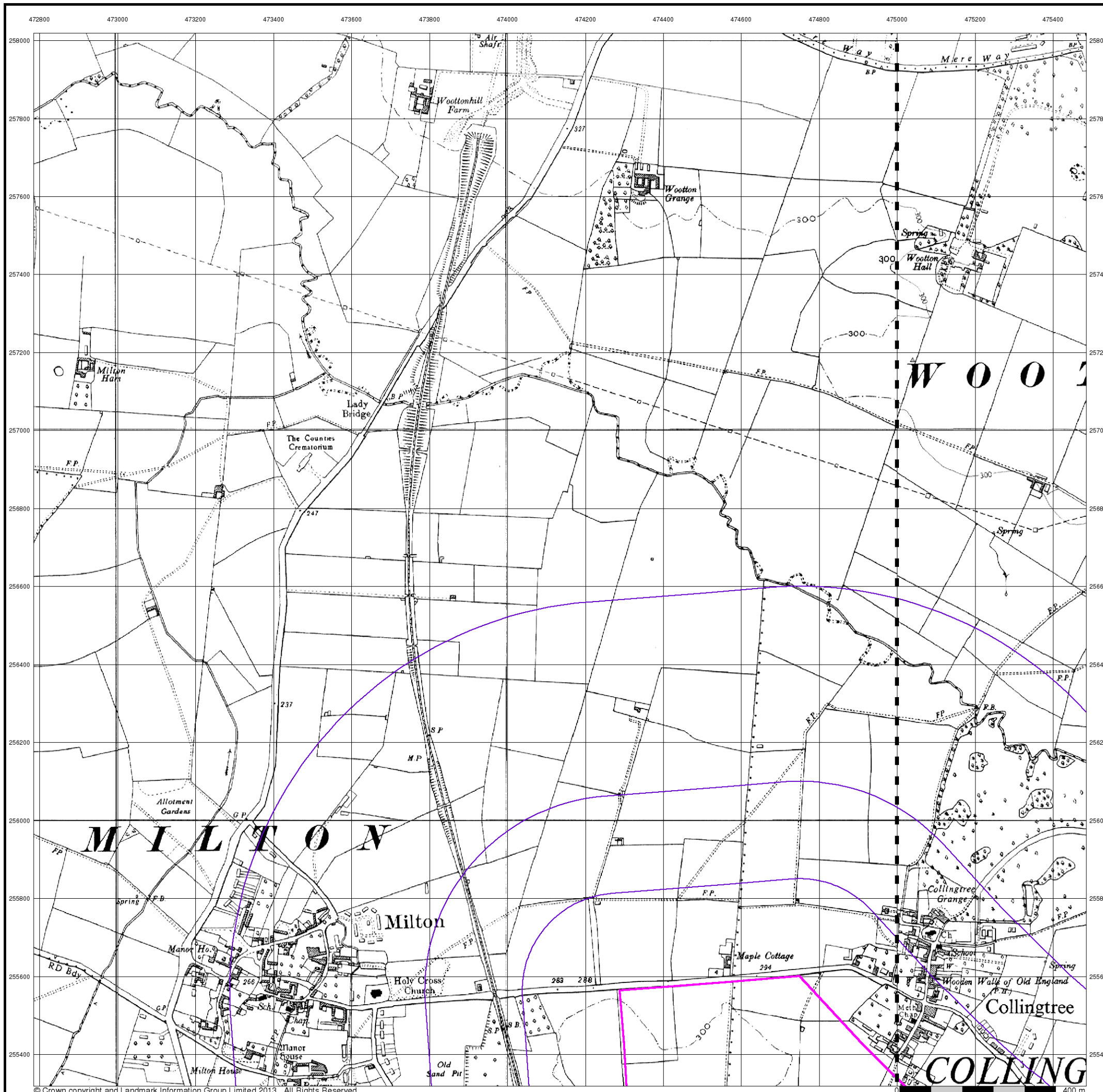


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON







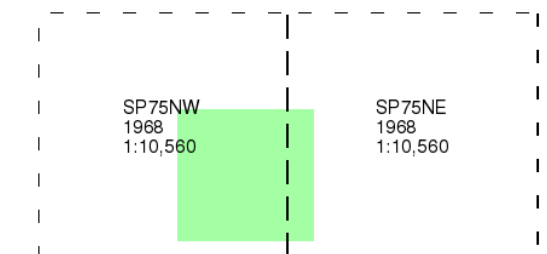
### Ordnance Survey Plan

Published 1968

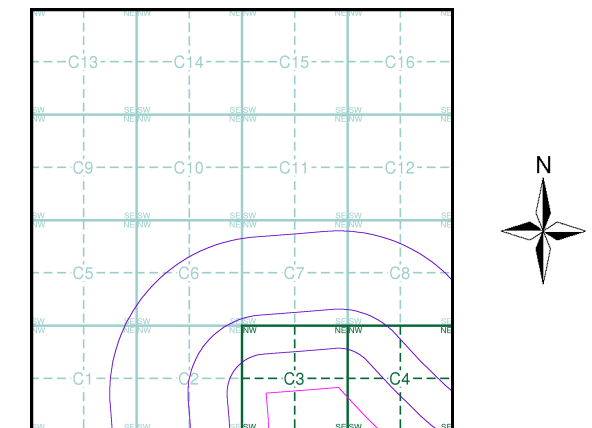
Source map scale - 1:10,000

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

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



### Historical Map - Slice C

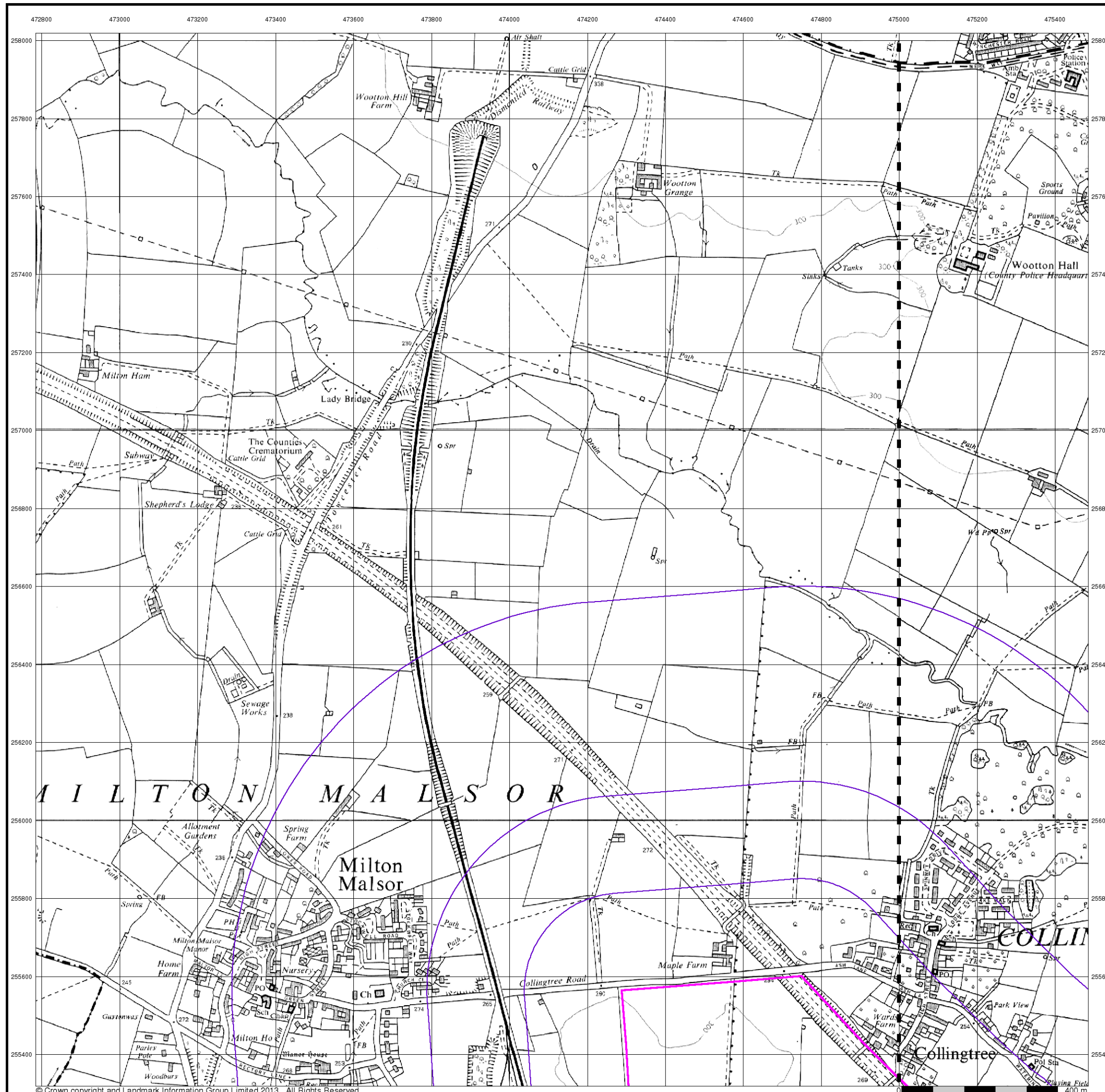


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Northampton

Published 1979

Source map scale - 1:10,000

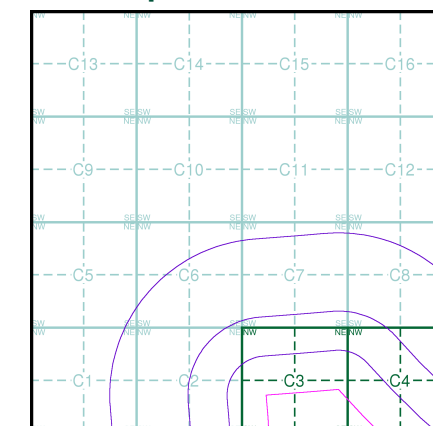
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

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

SP75NW 1979 1:10,000	SP75NE 1979 1:10,000
----------------------------	----------------------------

### Russian Map - Slice C



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



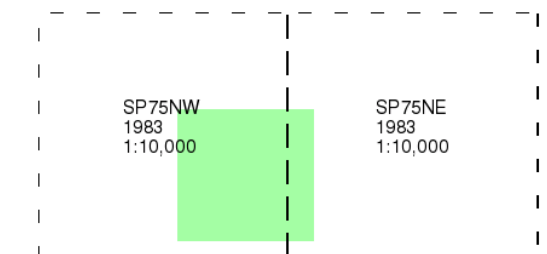
### Ordnance Survey Plan

Published 1983

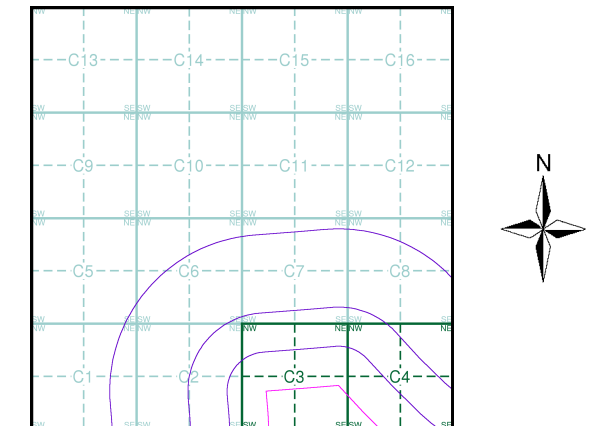
Source map scale - 1:10,000

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 C

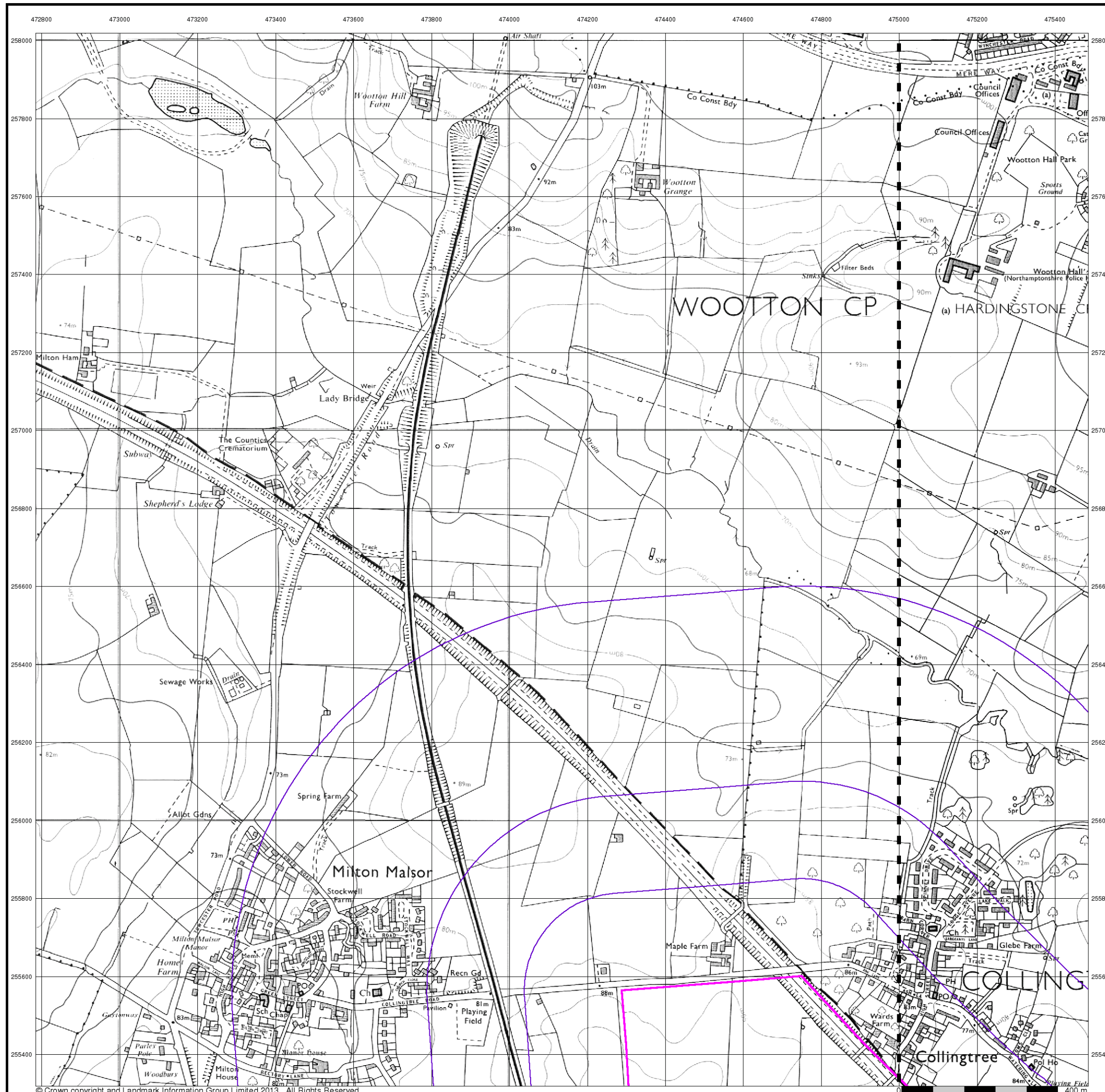


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



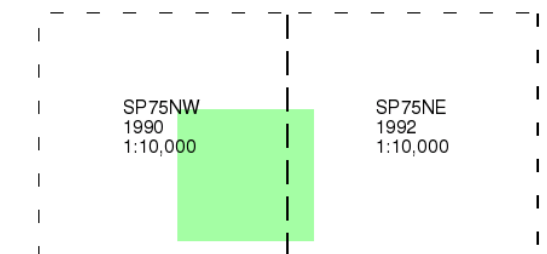
### Ordnance Survey Plan

Published 1990 - 1992

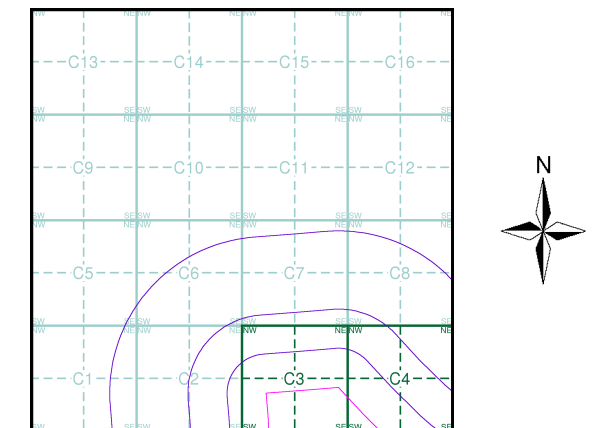
Source map scale - 1:10,000

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

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



### Historical Map - Slice C

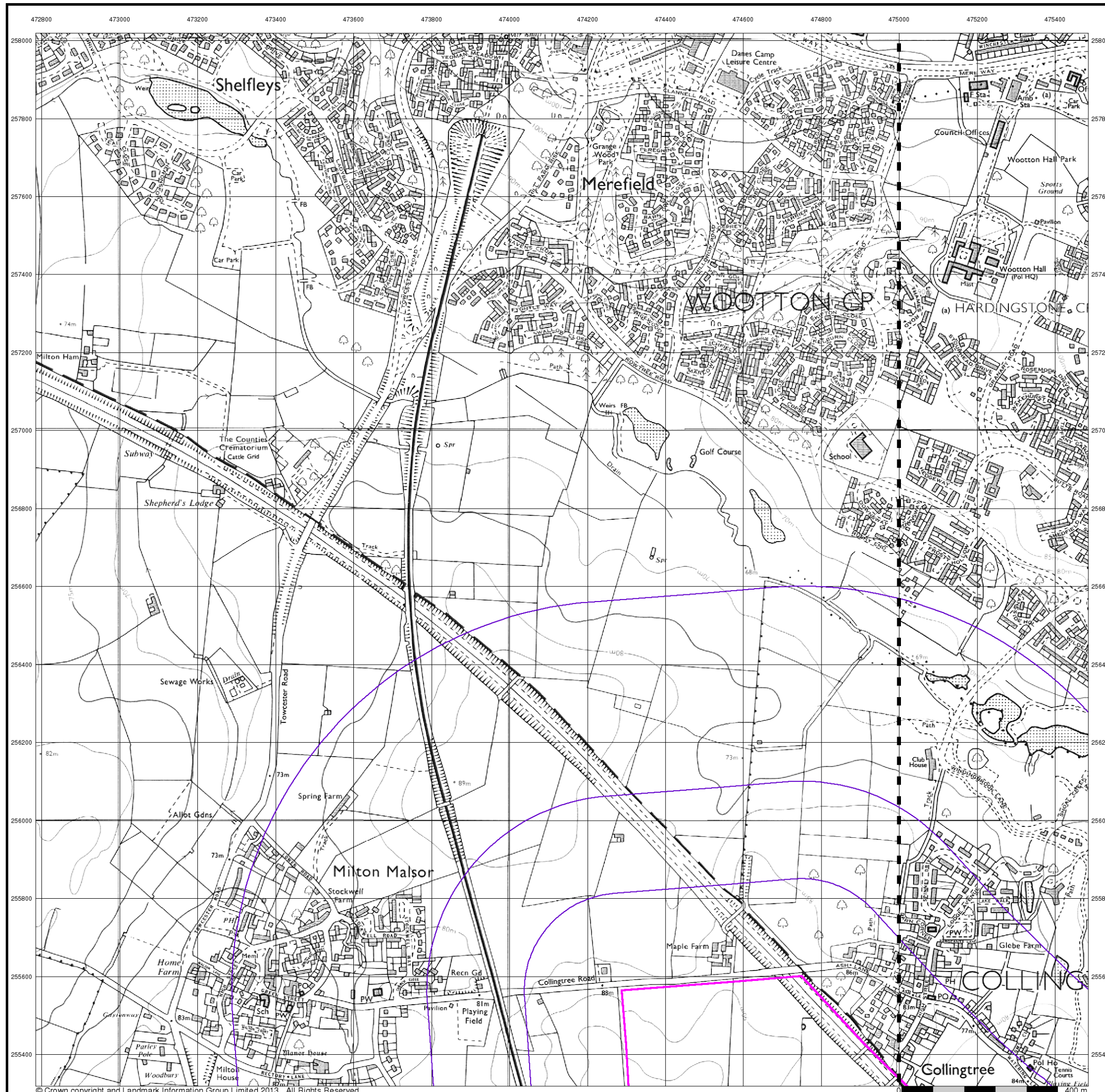


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



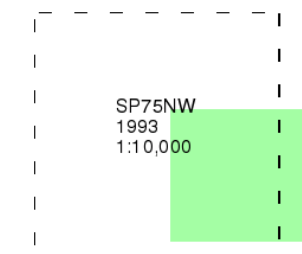
### Ordnance Survey Plan

Published 1993

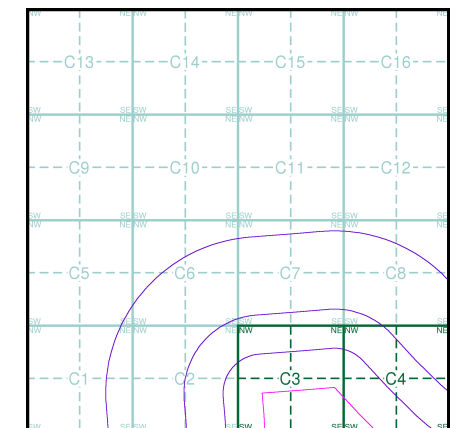
Source map scale - 1:10,000

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 C

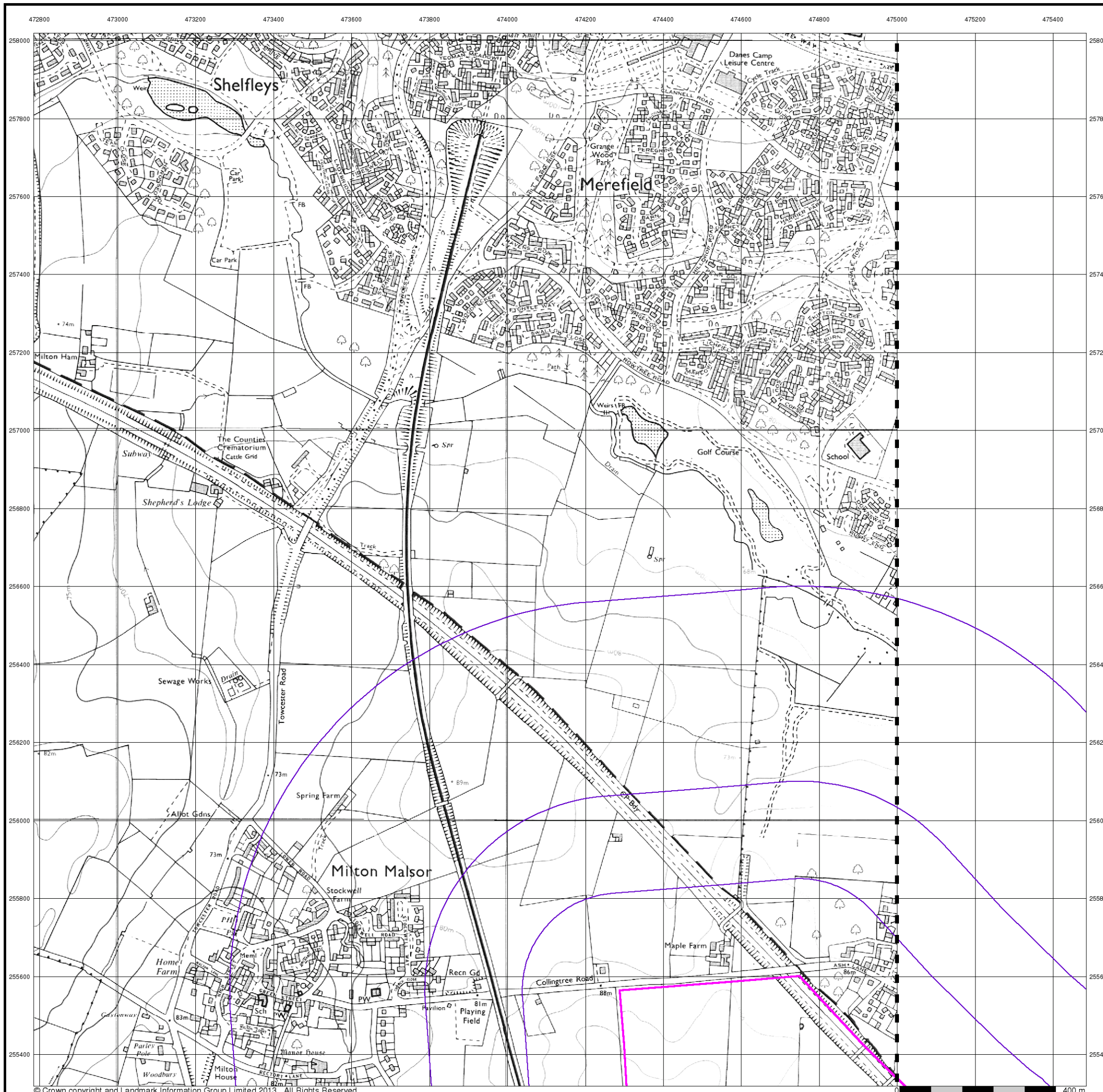


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON

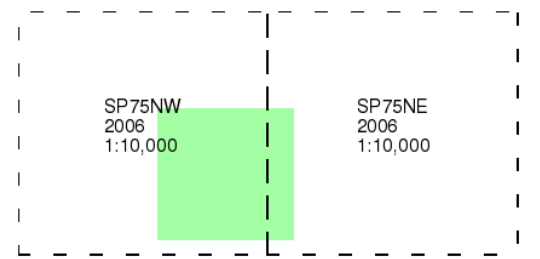




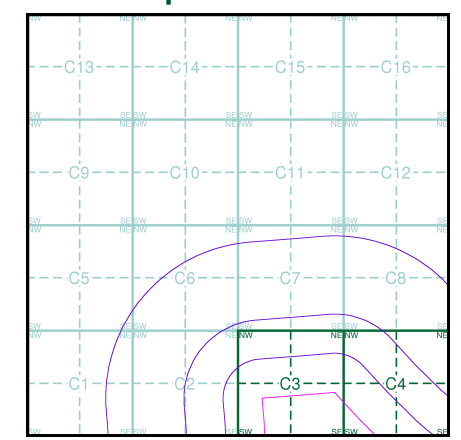
**10k Raster Mapping**  
**Published 2006**  
**Source map scale - 1:10,000**

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 C**

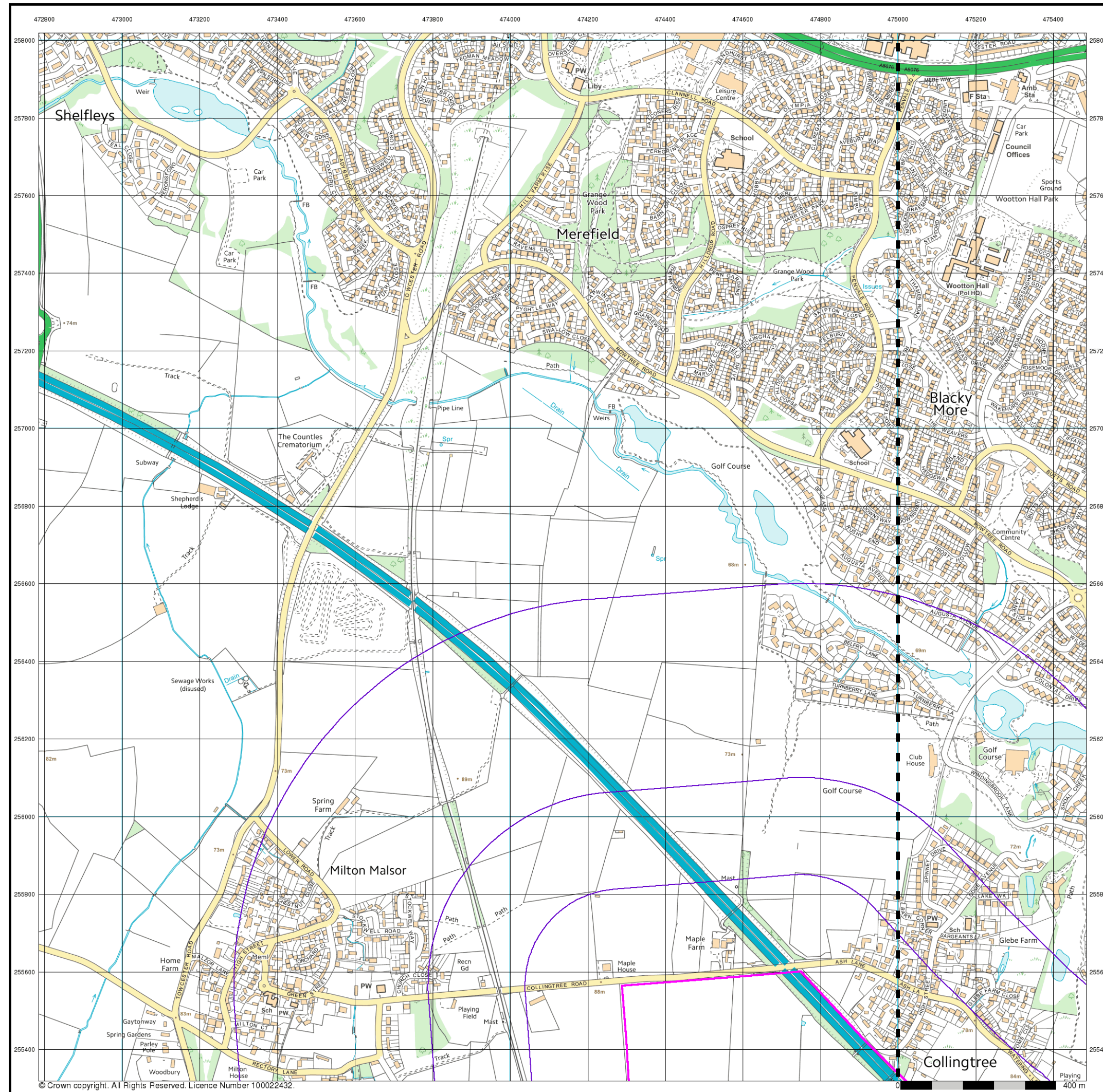


**Order Details**  
 Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**  
 M1 Junction 15, NORTHAMPTON



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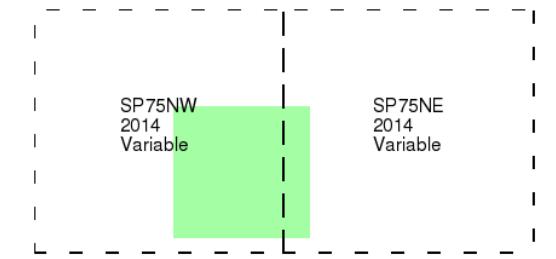
© Crown copyright. All Rights Reserved. Licence Number 100022432.



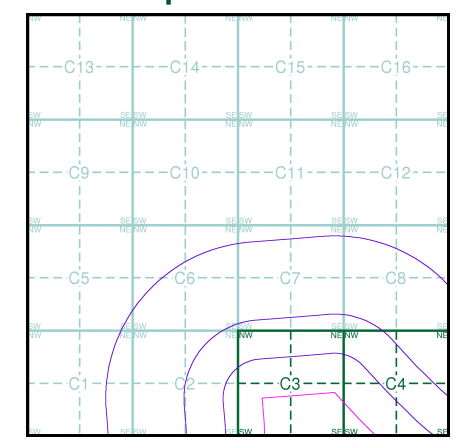
**VectorMap Local**  
**Published 2014**  
**Source map scale - 1:10,000**

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 C**



**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON

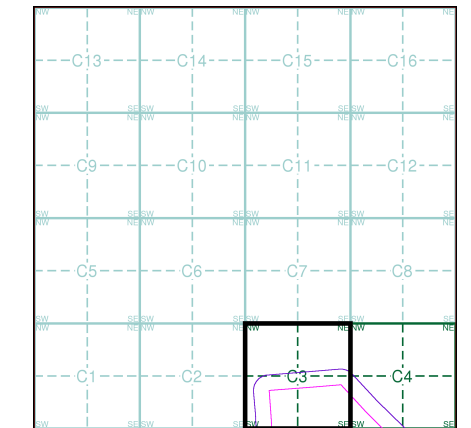


Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

**Site Sensitivity Map - Segment C3**

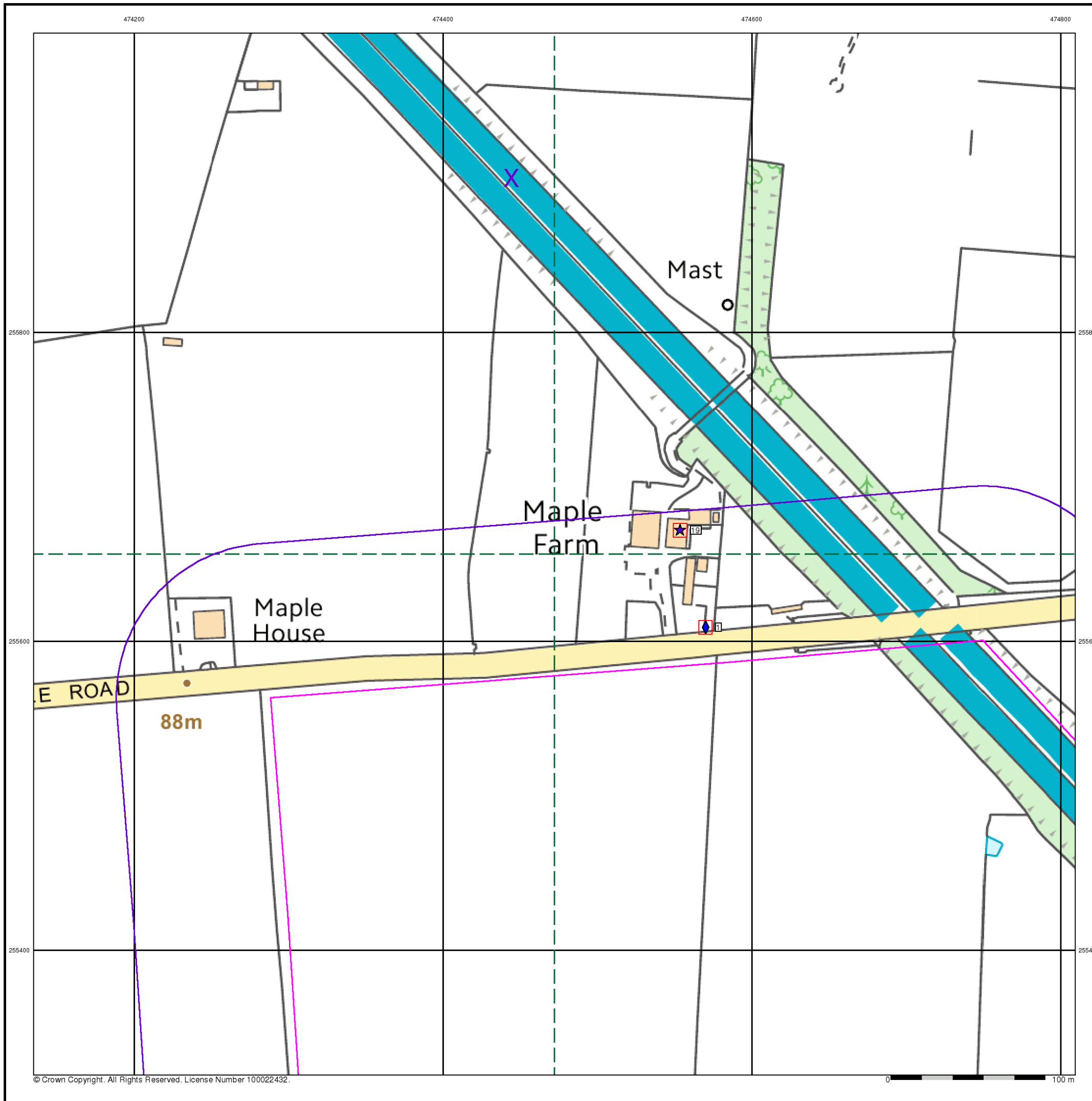


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72

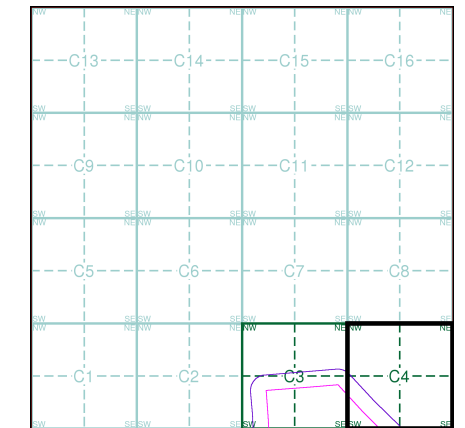
**Site Details**

M1 Junction 15, NORTHAMPTON



- 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 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

**Site Sensitivity Map - Segment C4**

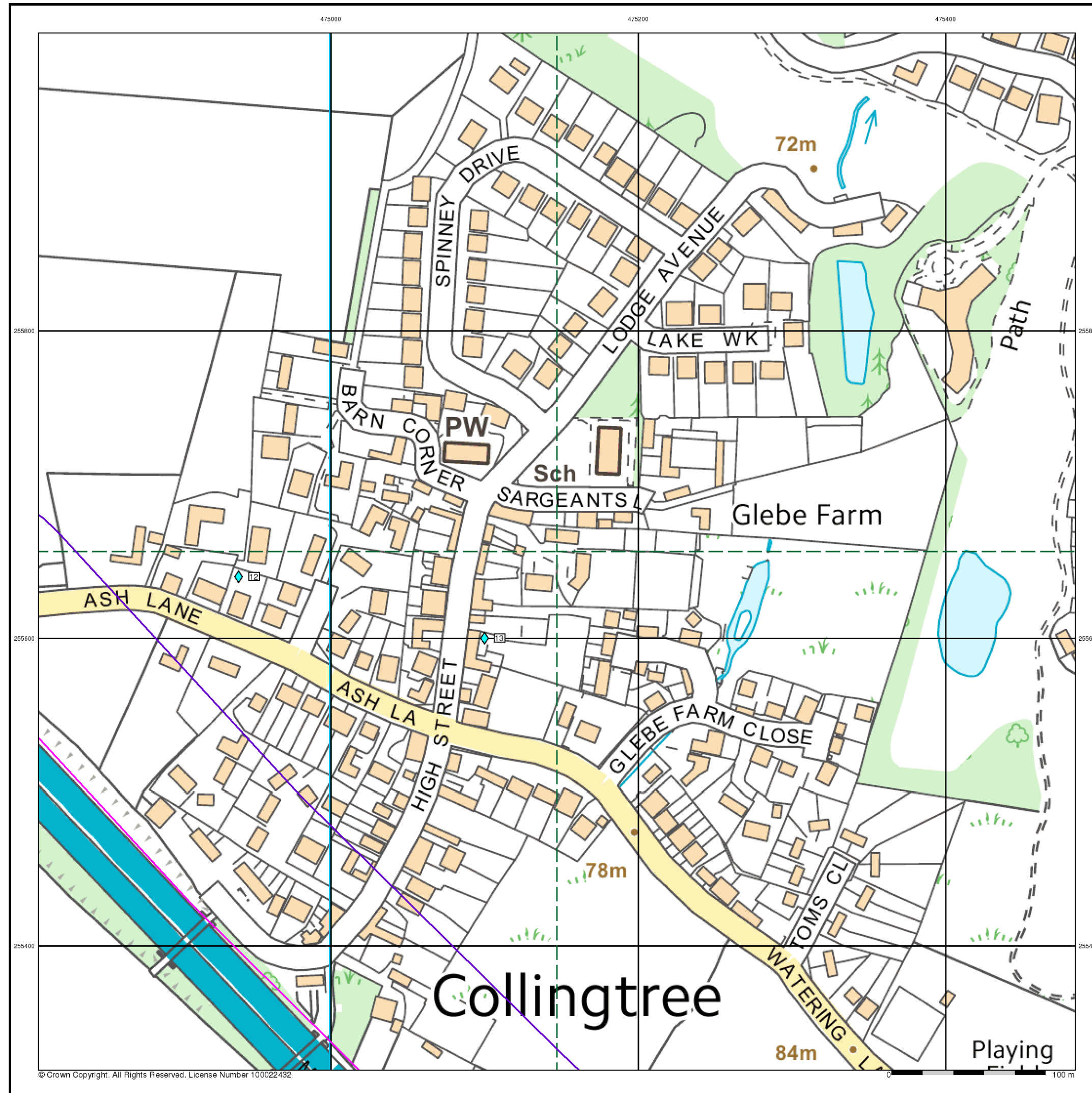


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72

**Site Details**

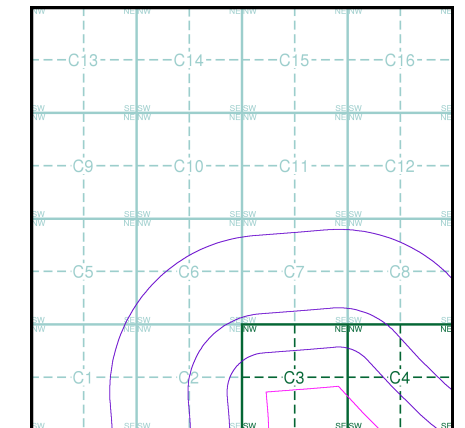
M1 Junction 15, NORTHAMPTON



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- 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 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 (Buffered Point)
  - 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

### Site Sensitivity Map - Slice C

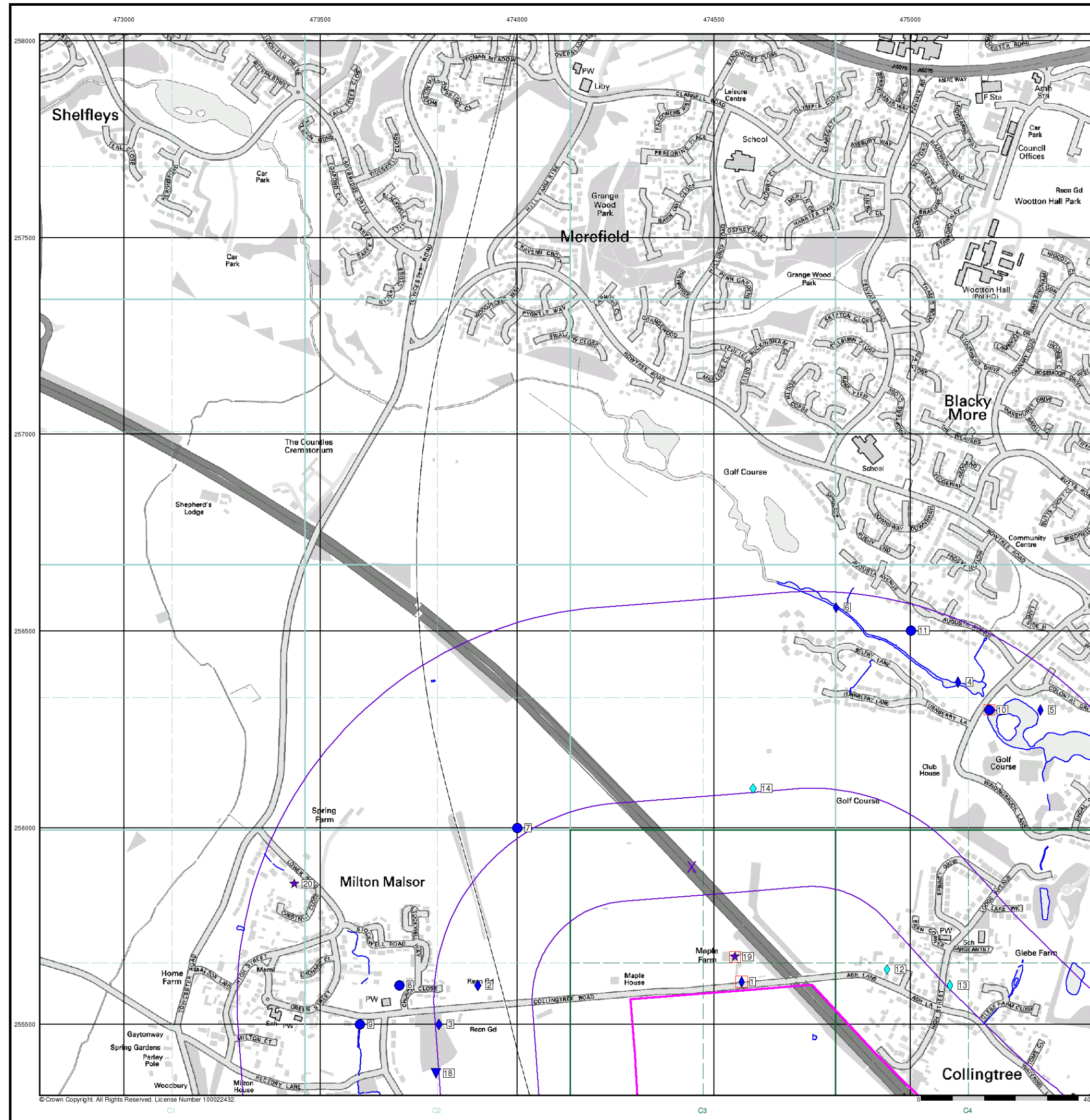


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000




### Site Details

M1 Junction 15, NORTHAMPTON








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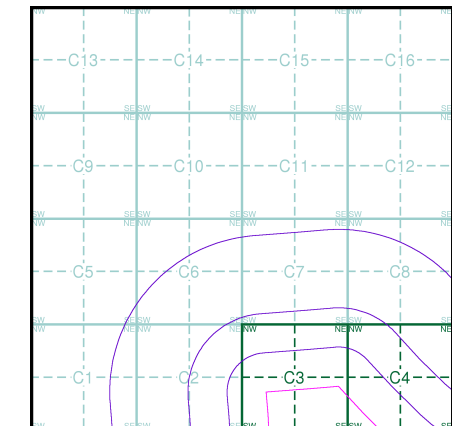
**General**

-  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 C**

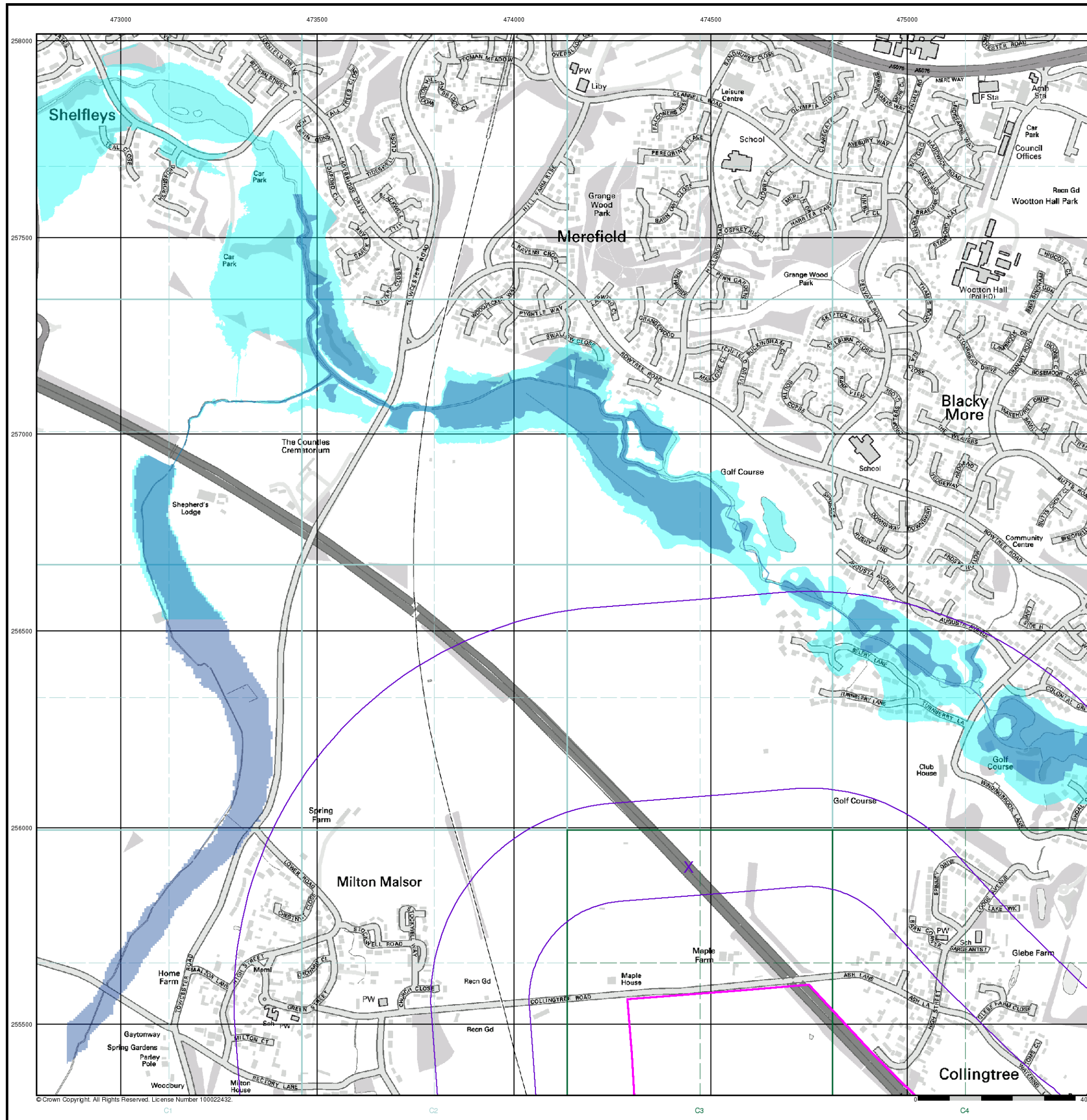


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000






**Site Details**

M1 Junction 15, NORTHAMPTON








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### General

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

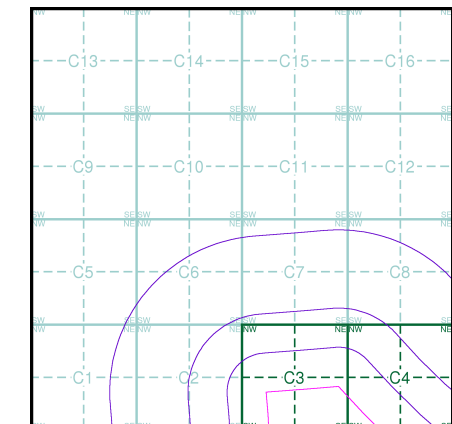
### Agency and Hydrological (Boreholes)

-  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 C

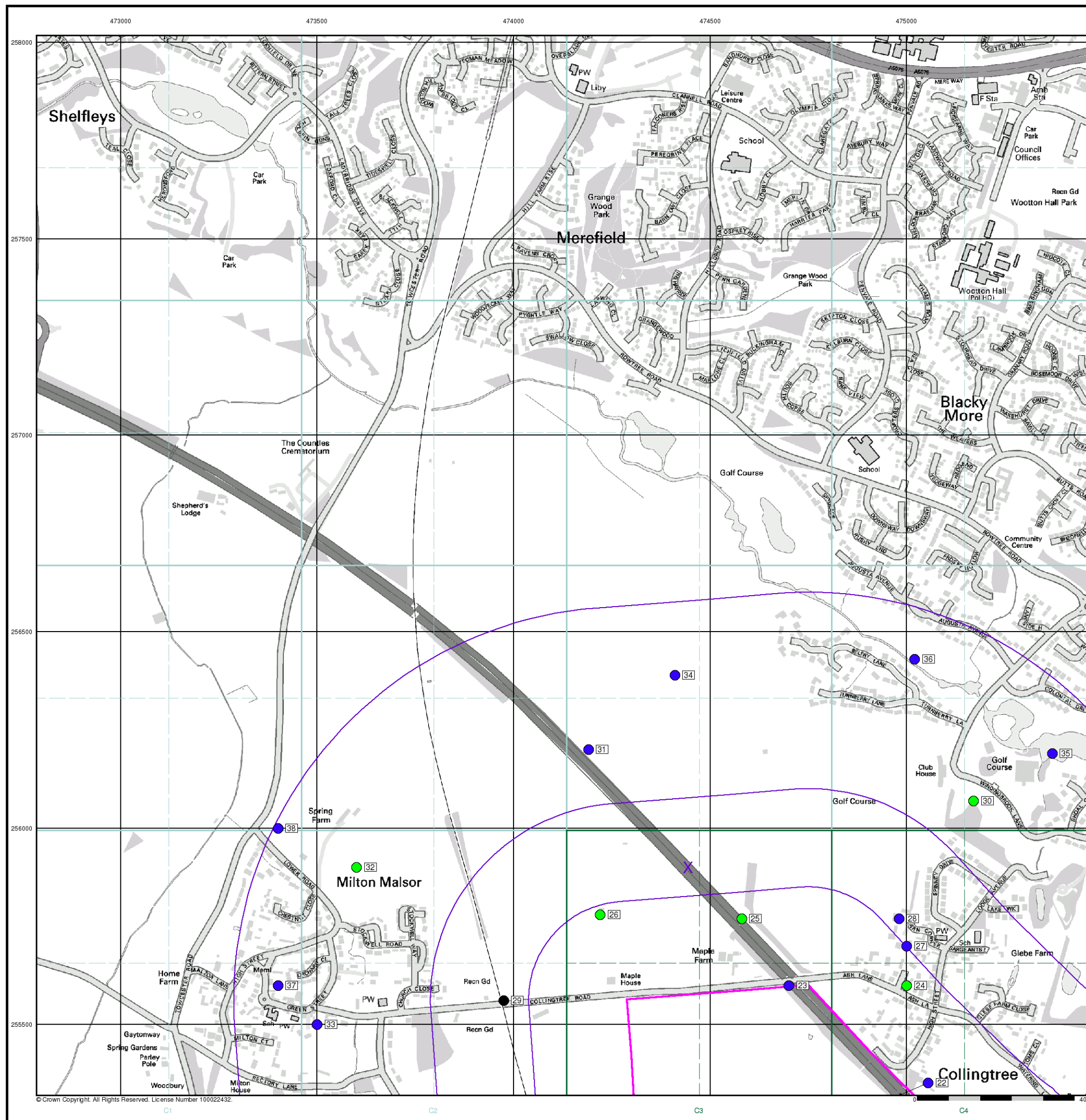


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



### General

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

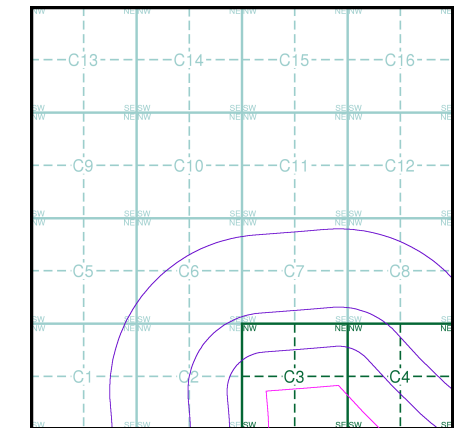
### EA Detailed River Network Data

- |                          |                                     |
|--------------------------|-------------------------------------|
| Primary River            | Extended Culvert (greater than 50m) |
| Secondary River          | Underground River (inferred)        |
| Tertiary River           | Underground River (local knowledge) |
| Canal                    | Downstream of High Water Mark       |
| Canal Tunnel             | Downstream of Seaward Extension     |
| Undefined River          | Not assigned River feature          |
| Lake/Reservoir           |                                     |
| Offline Drainage Feature |                                     |

### Contours (height in metres)

- Standard Contour 105 167.3 Spot Height
- Index Contour 100 45.8 Air Height

### EA Detailed River Network Map - Slice C

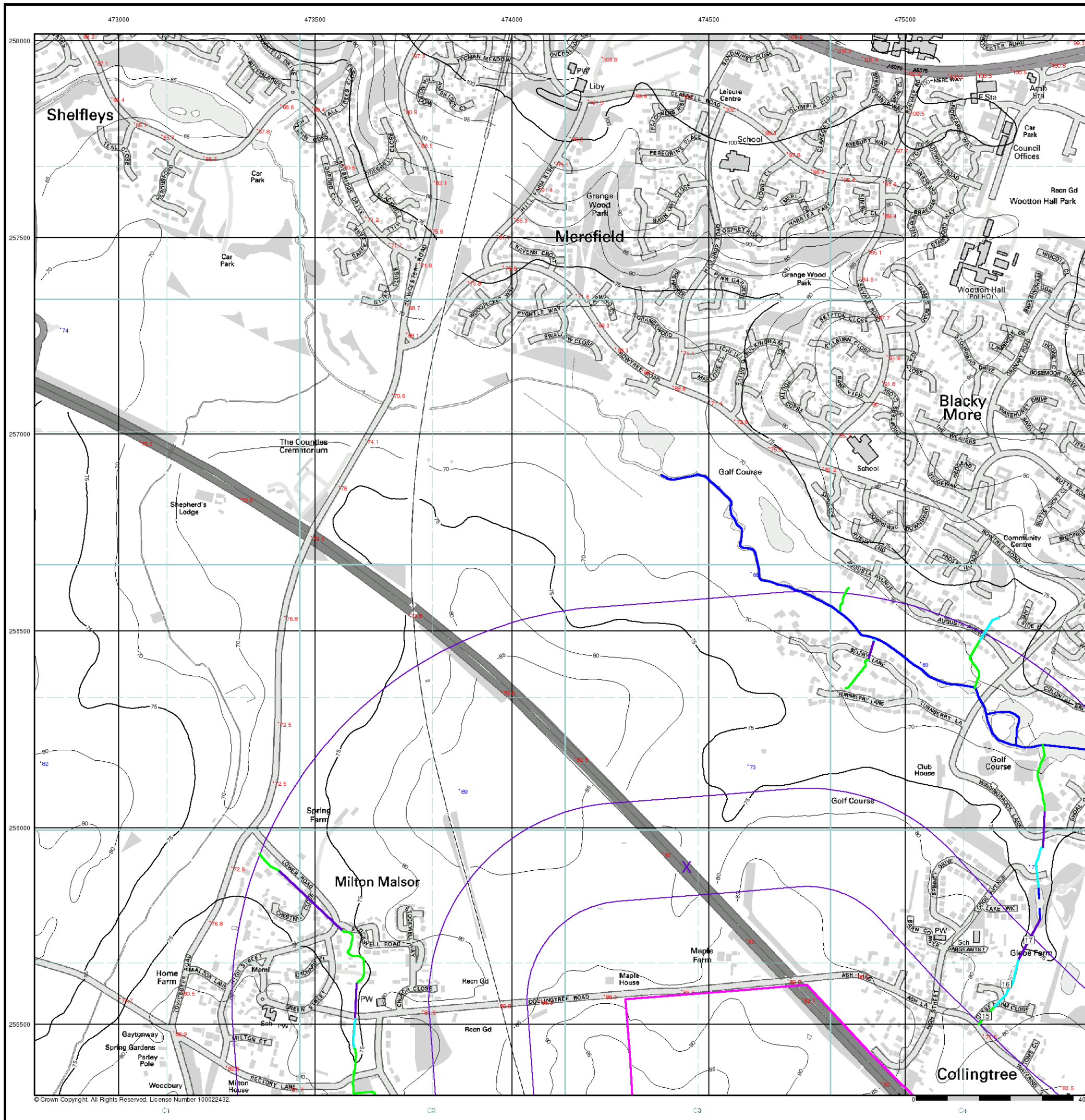


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON

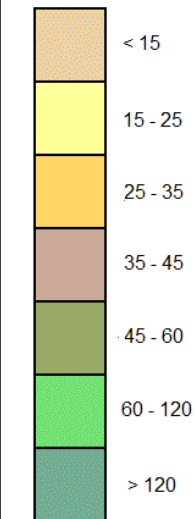


**General**

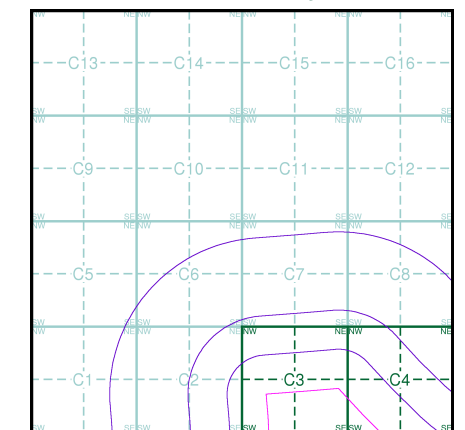
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Arsenic**

Arsenic Concentrations mg/kg



**Estimated Soil Chemistry Arsenic - Slice C**

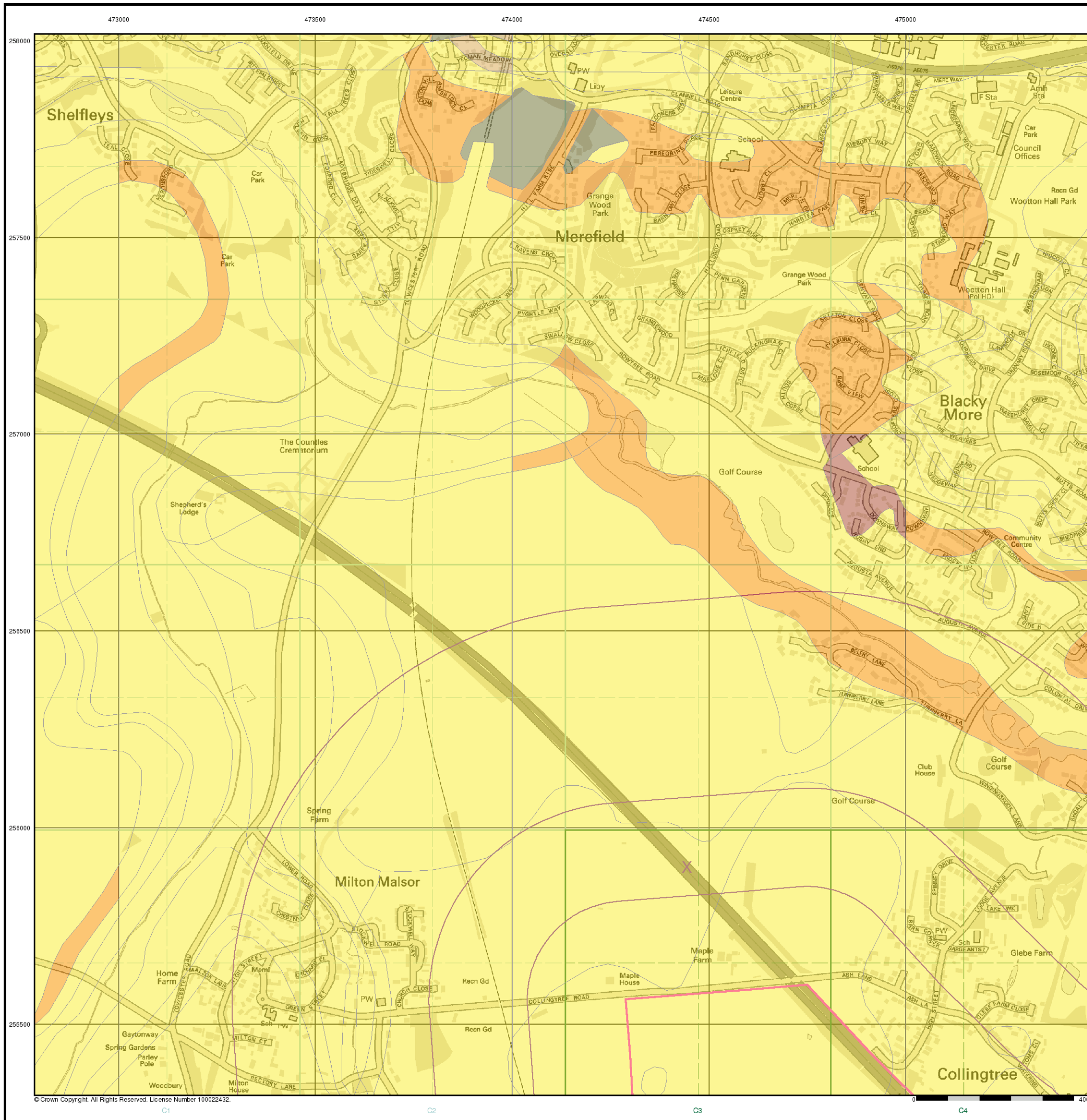


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 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



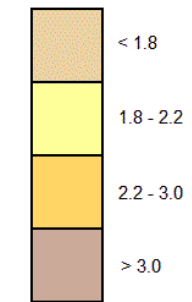
© Crown Copyright. All Rights Reserved. License Number 100022432.

**General**

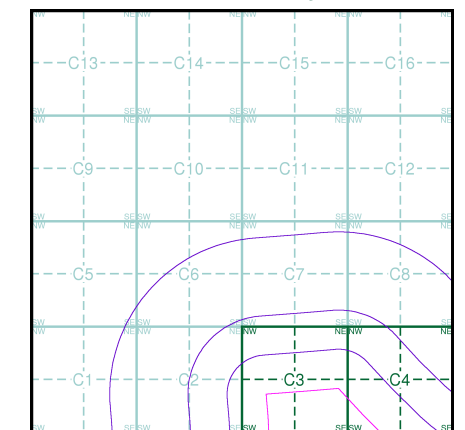
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Cadmium**

Cadmium Concentrations mg/kg



**Estimated Soil Chemistry Cadmium - Slice C**

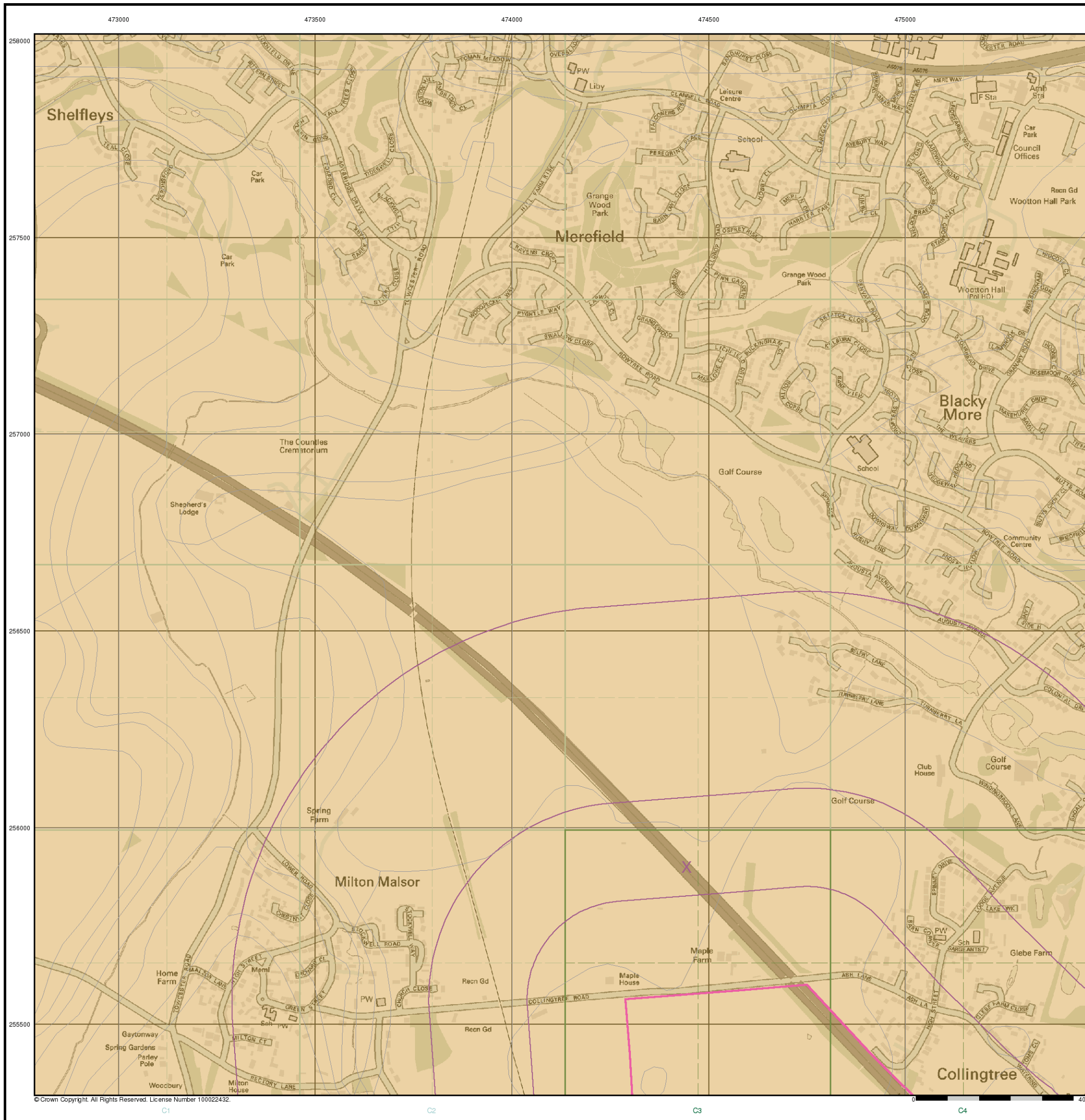


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



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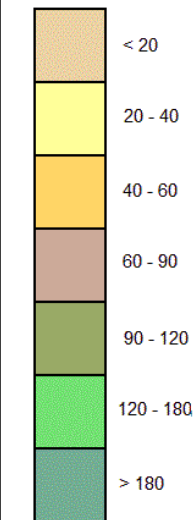


**General**

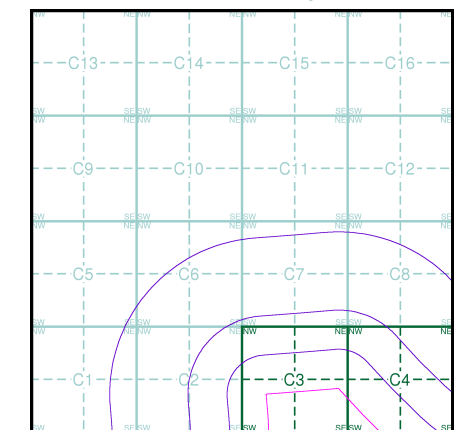
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

**Estimated Soil Chemistry Chromium**

Chromium Concentrations mg/kg



**Estimated Soil Chemistry Chromium - Slice C**

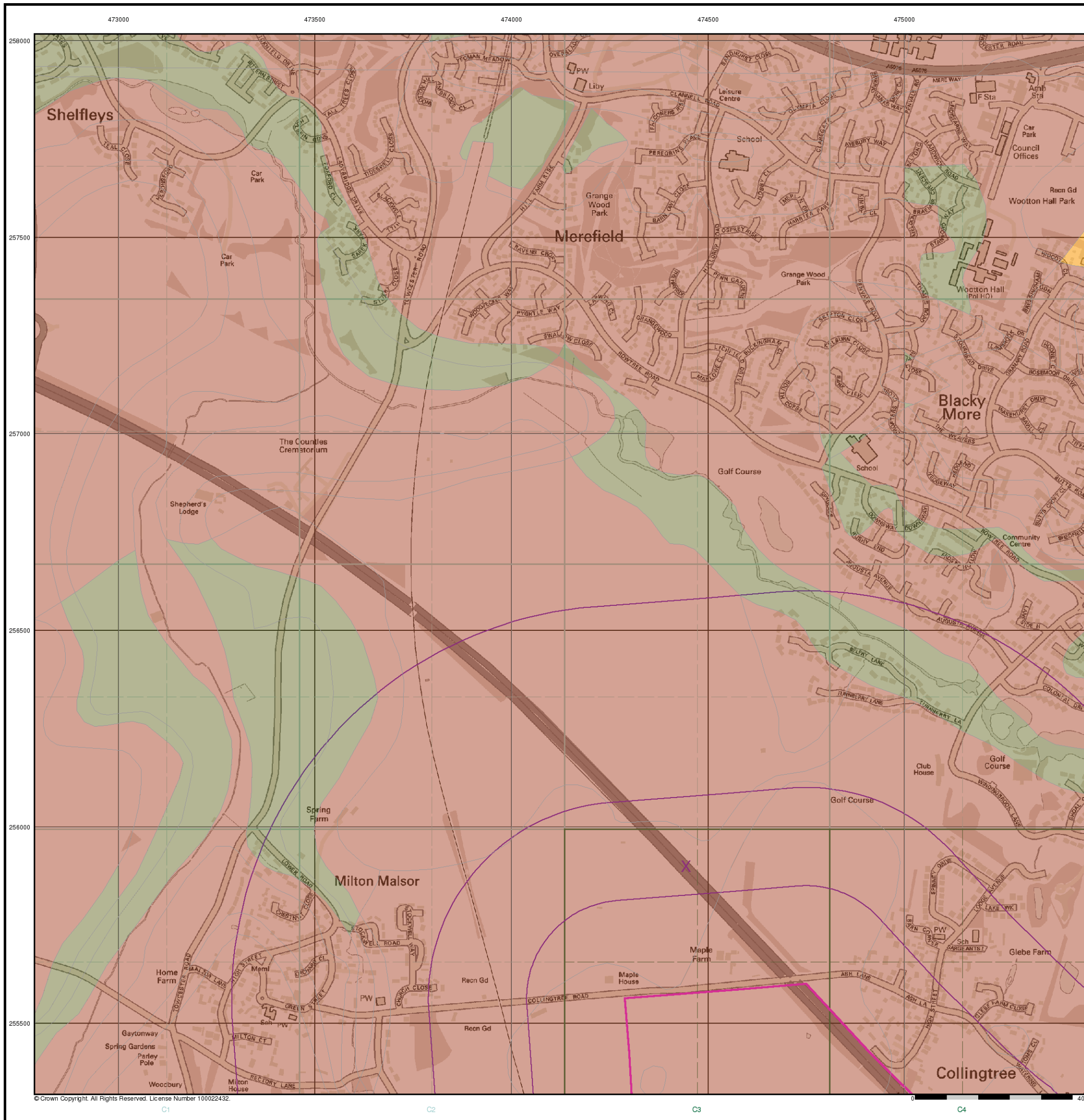


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



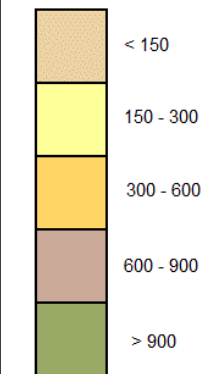
© Crown Copyright. All Rights Reserved. License Number 100022432.

**General**

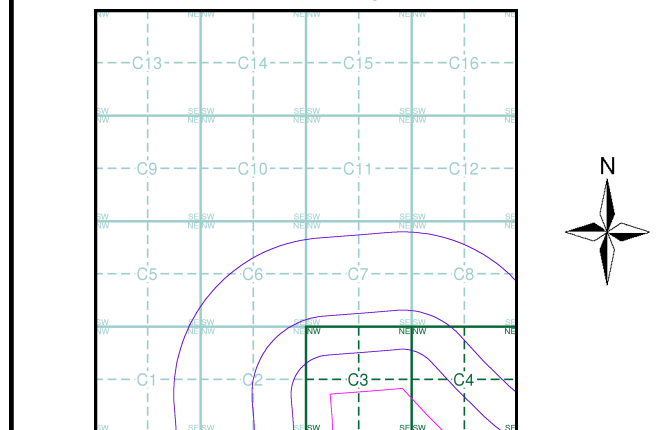
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Lead**

Lead Concentrations mg/kg



**Estimated Soil Chemistry Lead - Slice C**

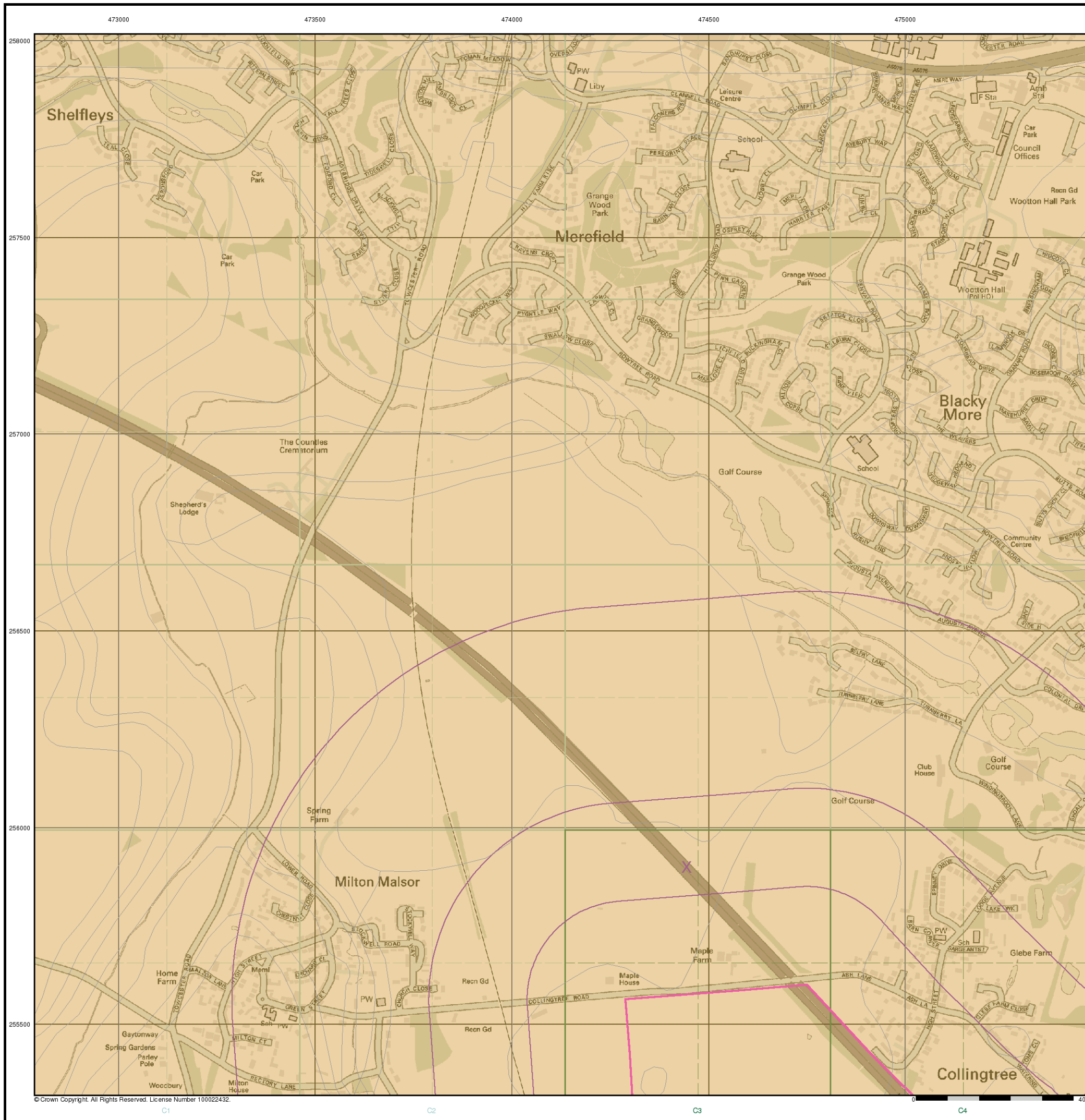


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



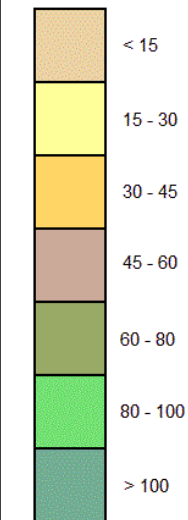
© Crown Copyright. All Rights Reserved. License Number 100022432.

**General**

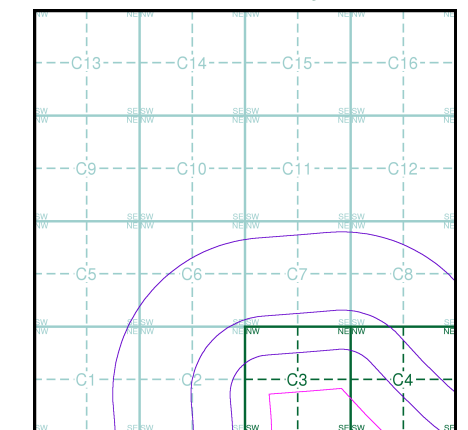
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Nickel**

Nickel Concentrations mg/kg



**Estimated Soil Chemistry Nickel - Slice C**

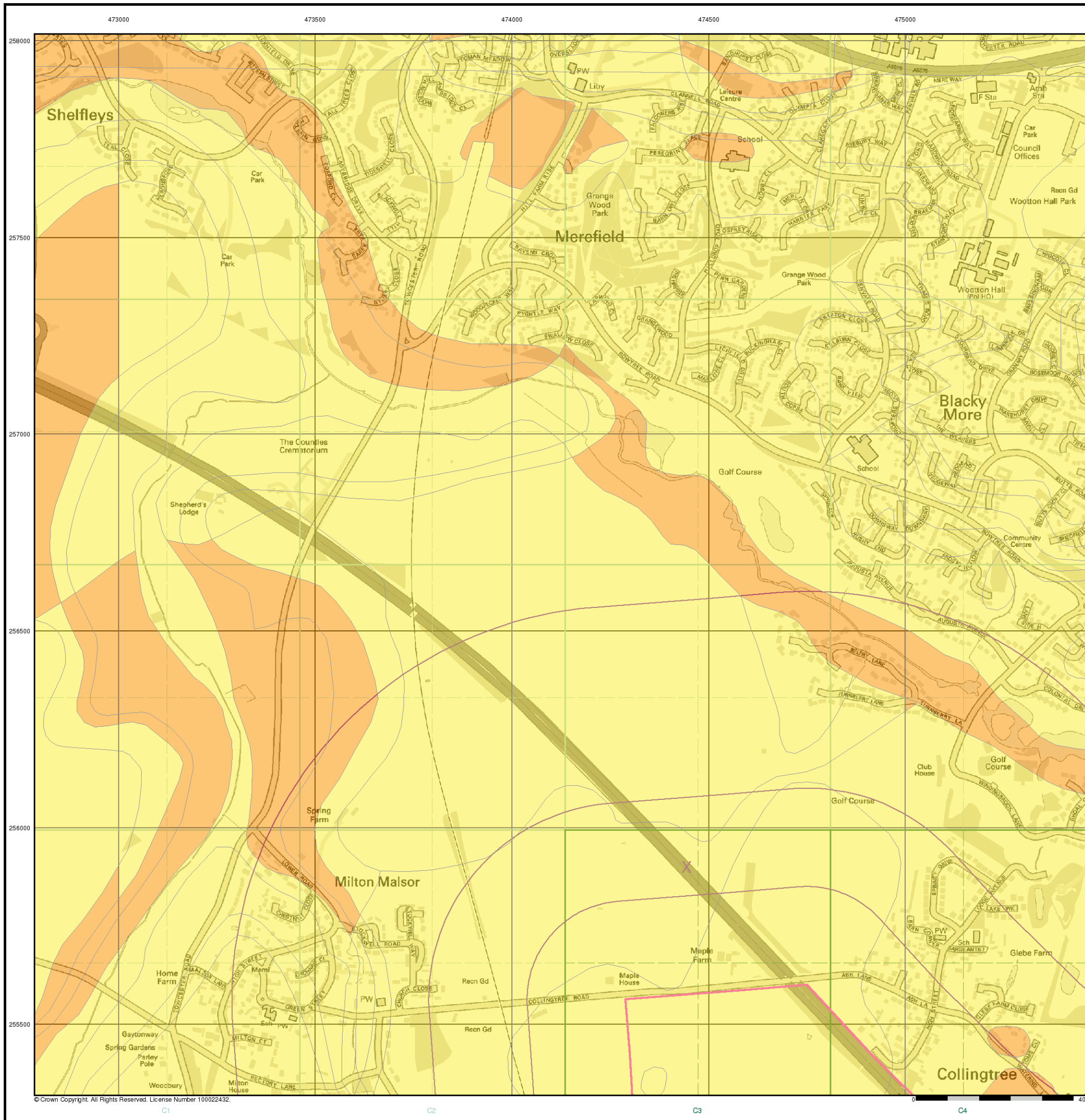


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



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# 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

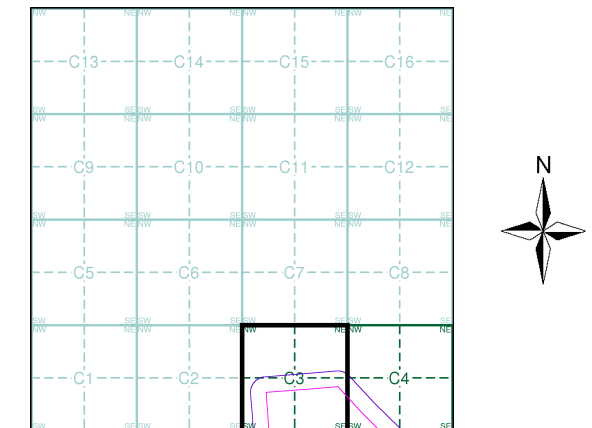
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard 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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1965	4
Ordnance Survey Plan	1:2,500	1977	5
Large-Scale National Grid Data	1:2,500	1993	6

## Historical Map - Segment C3



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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

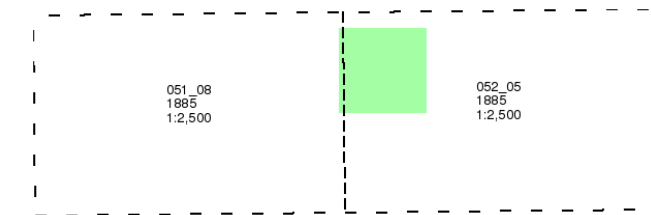
## Northamptonshire

Published 1885

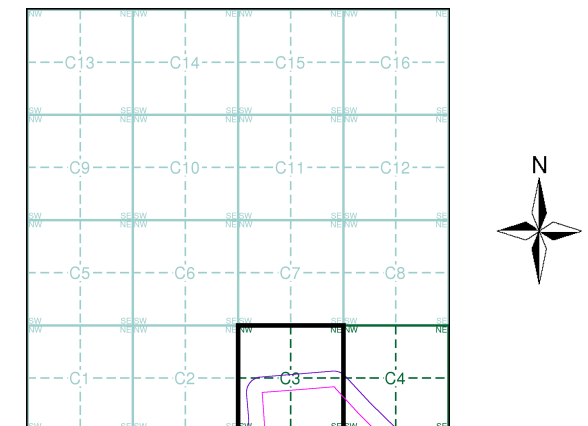
Source map scale - 1:2,500

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

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



### Historical Map - Segment C3

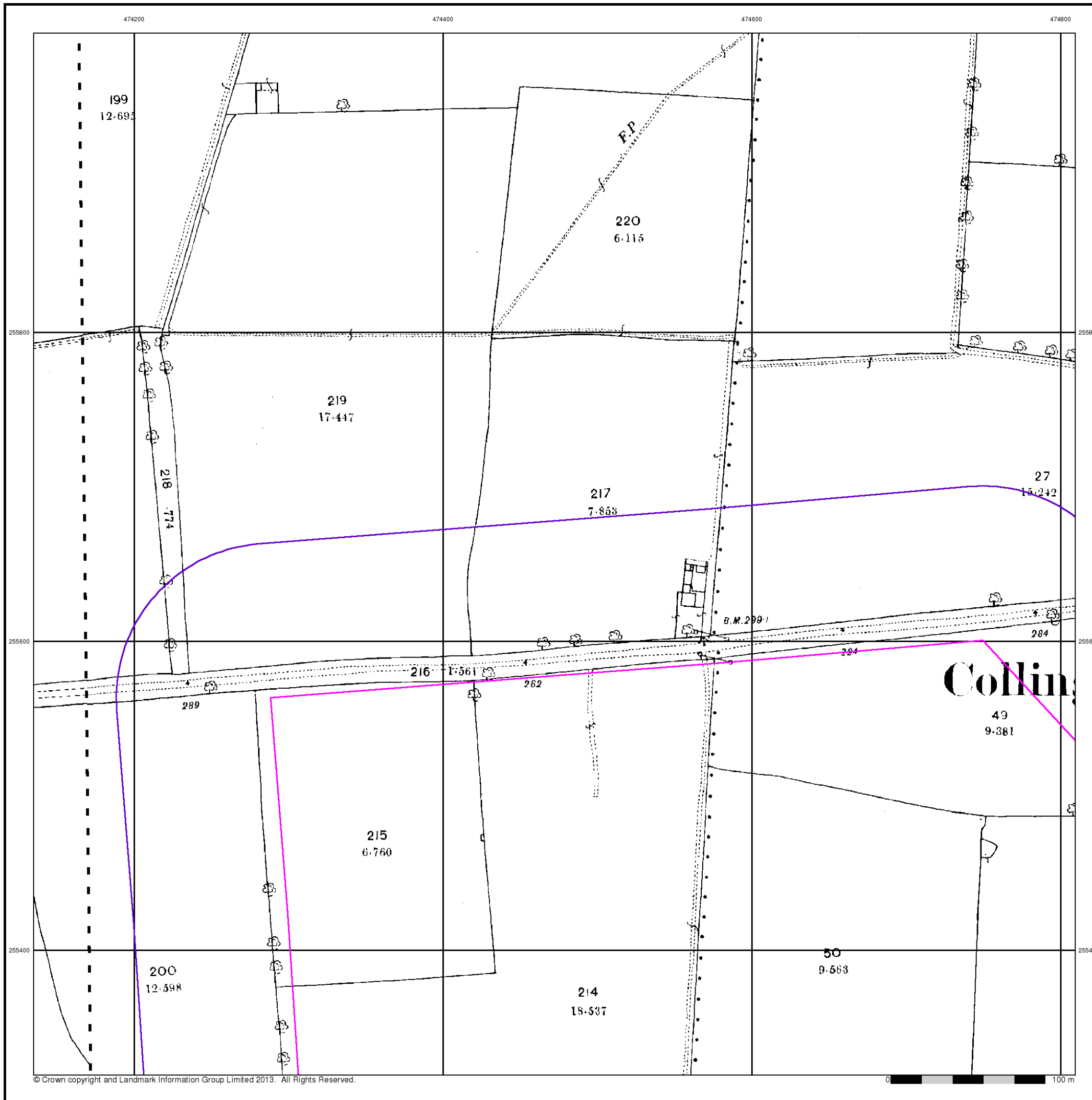


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M1 Junction 15, NORTHAMPTON



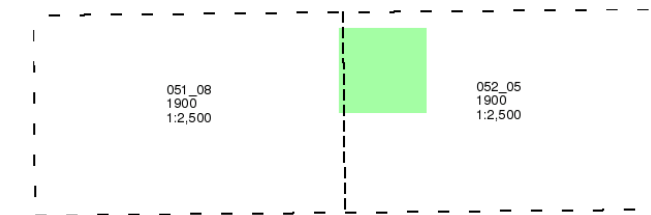
## Northamptonshire

Published 1900

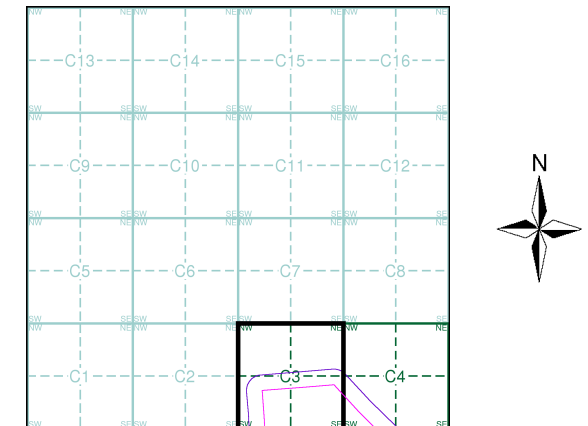
Source map scale - 1:2,500

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

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



### Historical Map - Segment C3

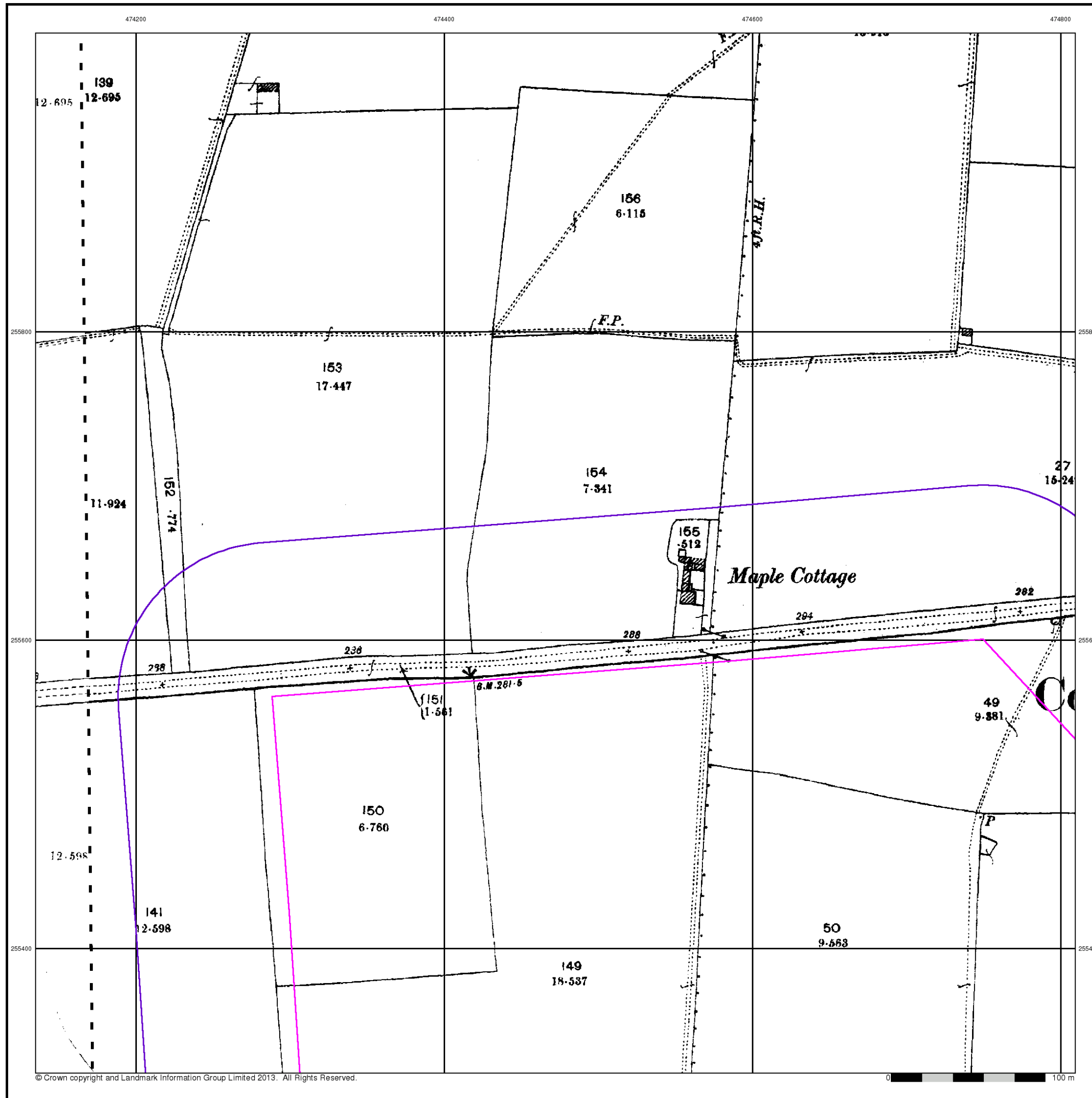


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M1 Junction 15, NORTHAMPTON



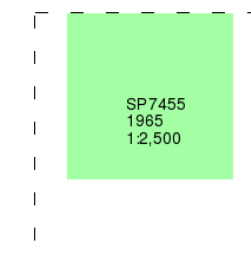
## Ordnance Survey Plan

Published 1965

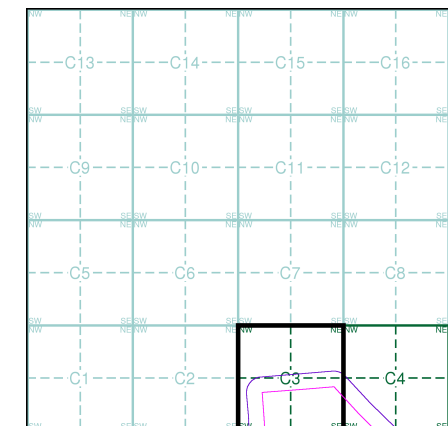
Source map scale - 1:2,500

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

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



### Historical Map - Segment C3

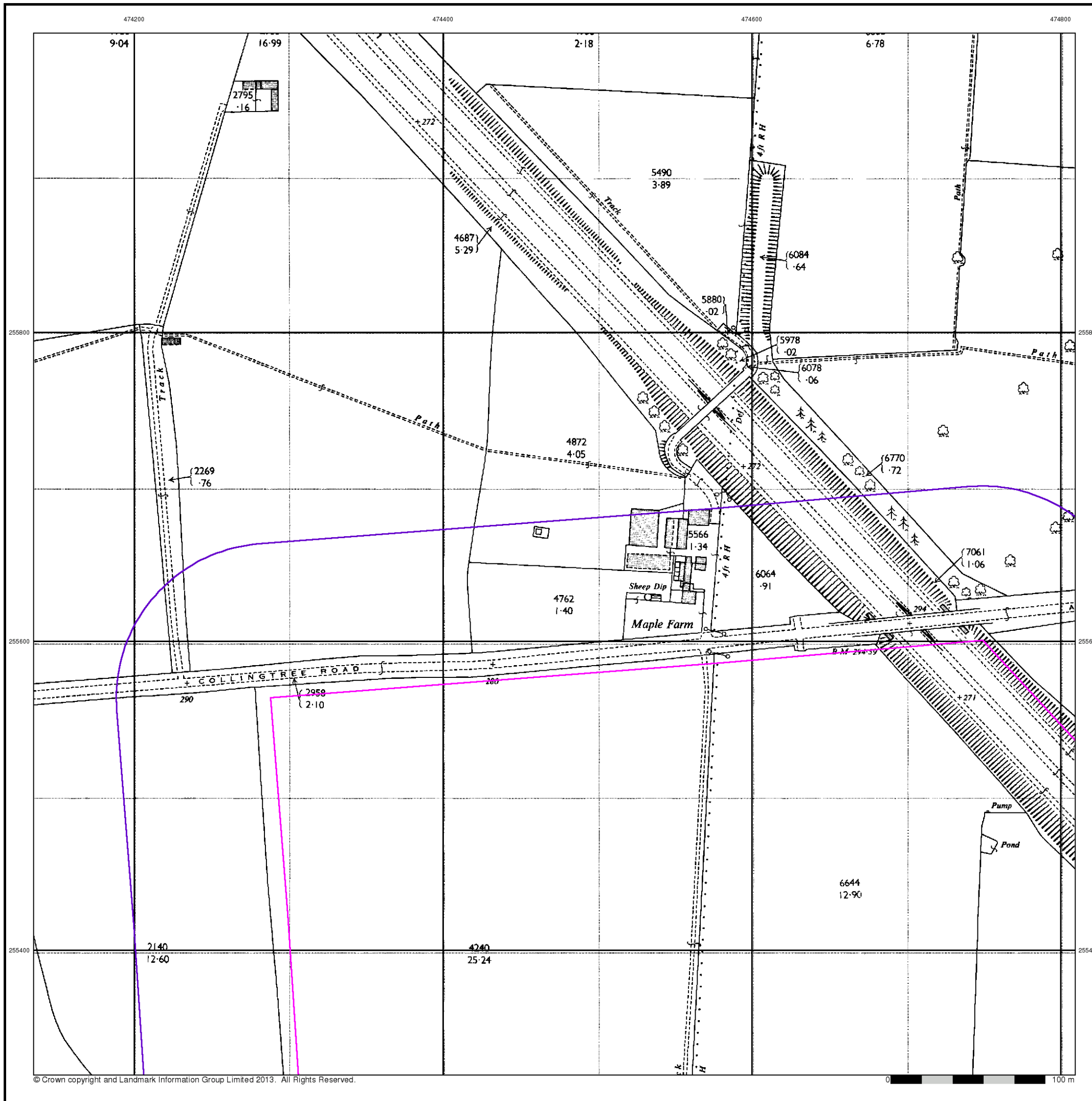


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### Site Details

M1 Junction 15, NORTHAMPTON



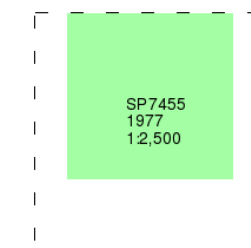
### Ordnance Survey Plan

Published 1977

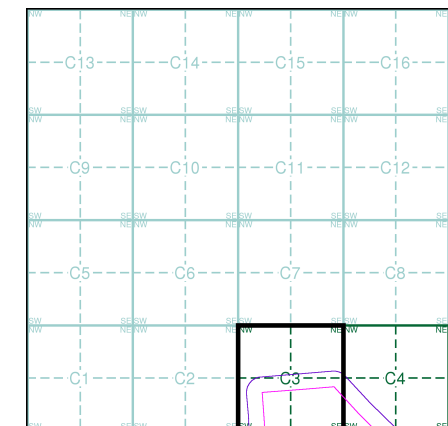
Source map scale - 1:2,500

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

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



### Historical Map - Segment C3

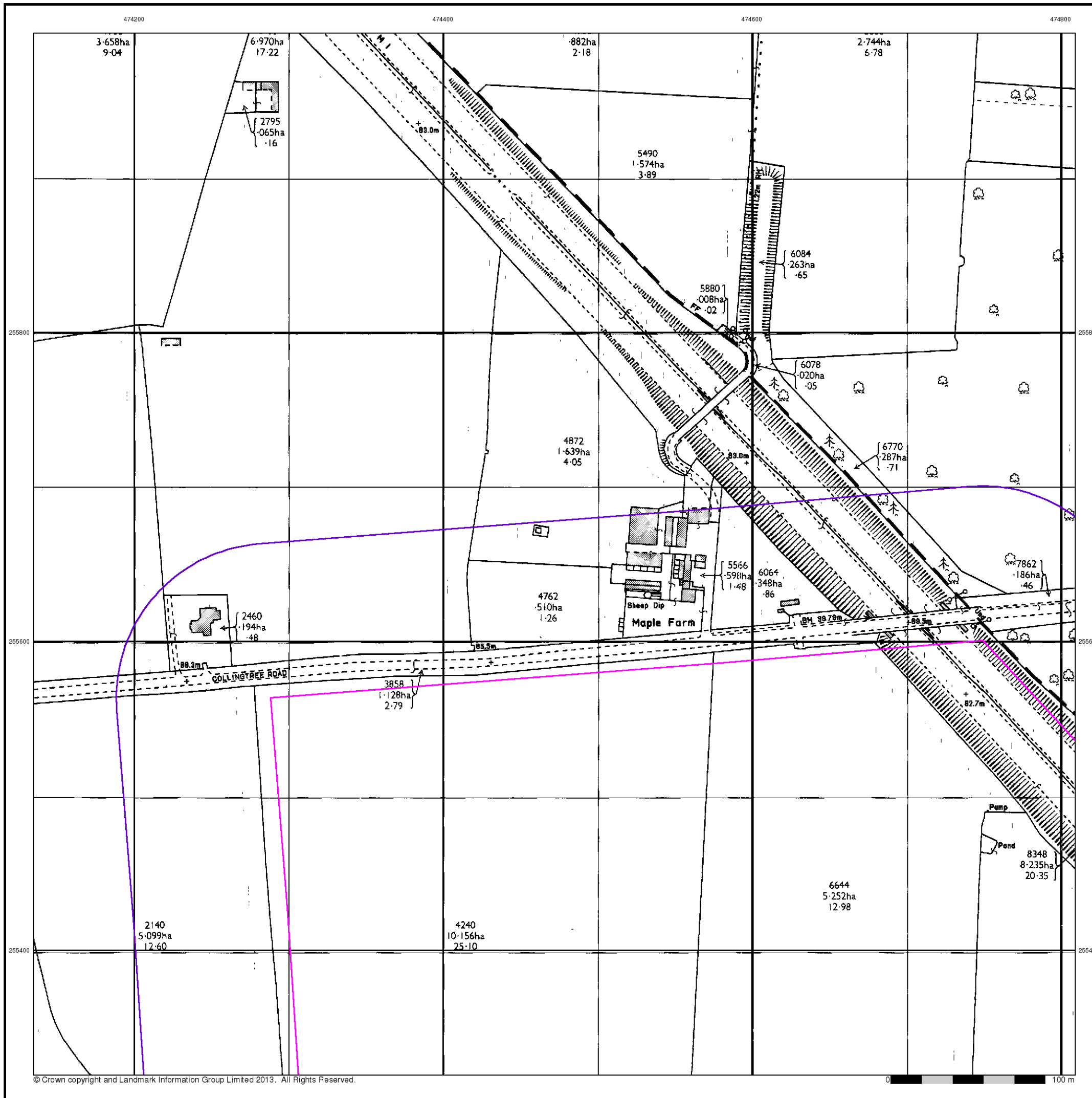


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M1 Junction 15, NORTHAMPTON





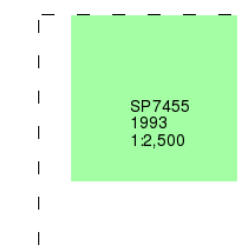
## Large-Scale National Grid Data

Published 1993

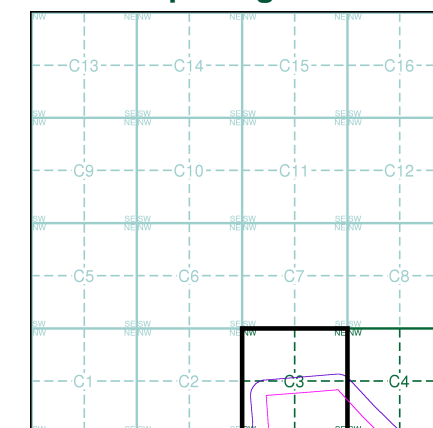
Source map scale - 1:2,500

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

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



### Historical Map - Segment C3



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



# 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)**  
**Boundary Post or Stone** **Police Call Box**  
**B.R. Bridle Road** **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

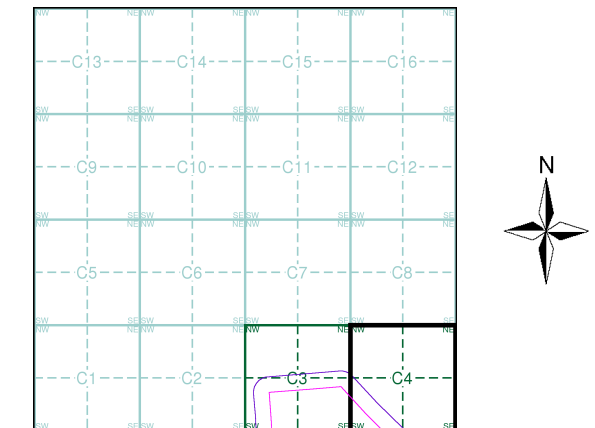
**Cliff** **Slopes** **Top**  
**Rock** **Rock (scattered)**  
**Boulders** **Boulders (scattered)**  
**Positioned Boulder** **Scree**  
**Non-Coniferous Tree (surveyed)** **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)** **Coniferous Trees (not surveyed)**  
**Orchard Tree** **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**  
**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**



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:2,500	1885	2
Northamptonshire	1:2,500	1900	3
Ordnance Survey Plan	1:2,500	1965	4
Ordnance Survey Plan	1:2,500	1977	5
Large-Scale National Grid Data	1:2,500	1993	6
Large-Scale National Grid Data	1:2,500	1996	7

## Historical Map - Segment C4



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

## Site Details

M1 Junction 15, NORTHAMPTON



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

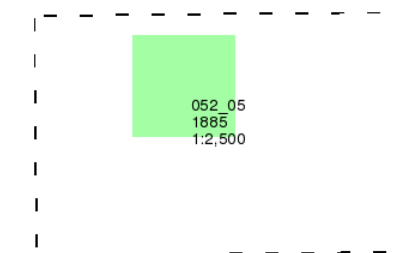
Northamptonshire

Published 1885

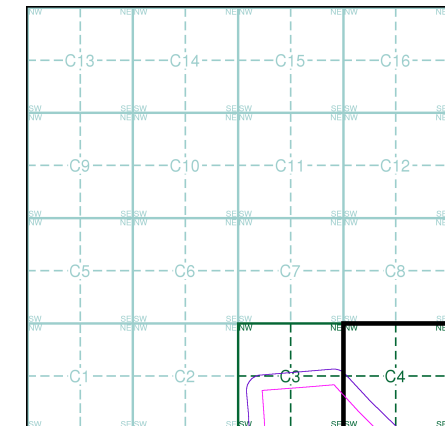
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment C4

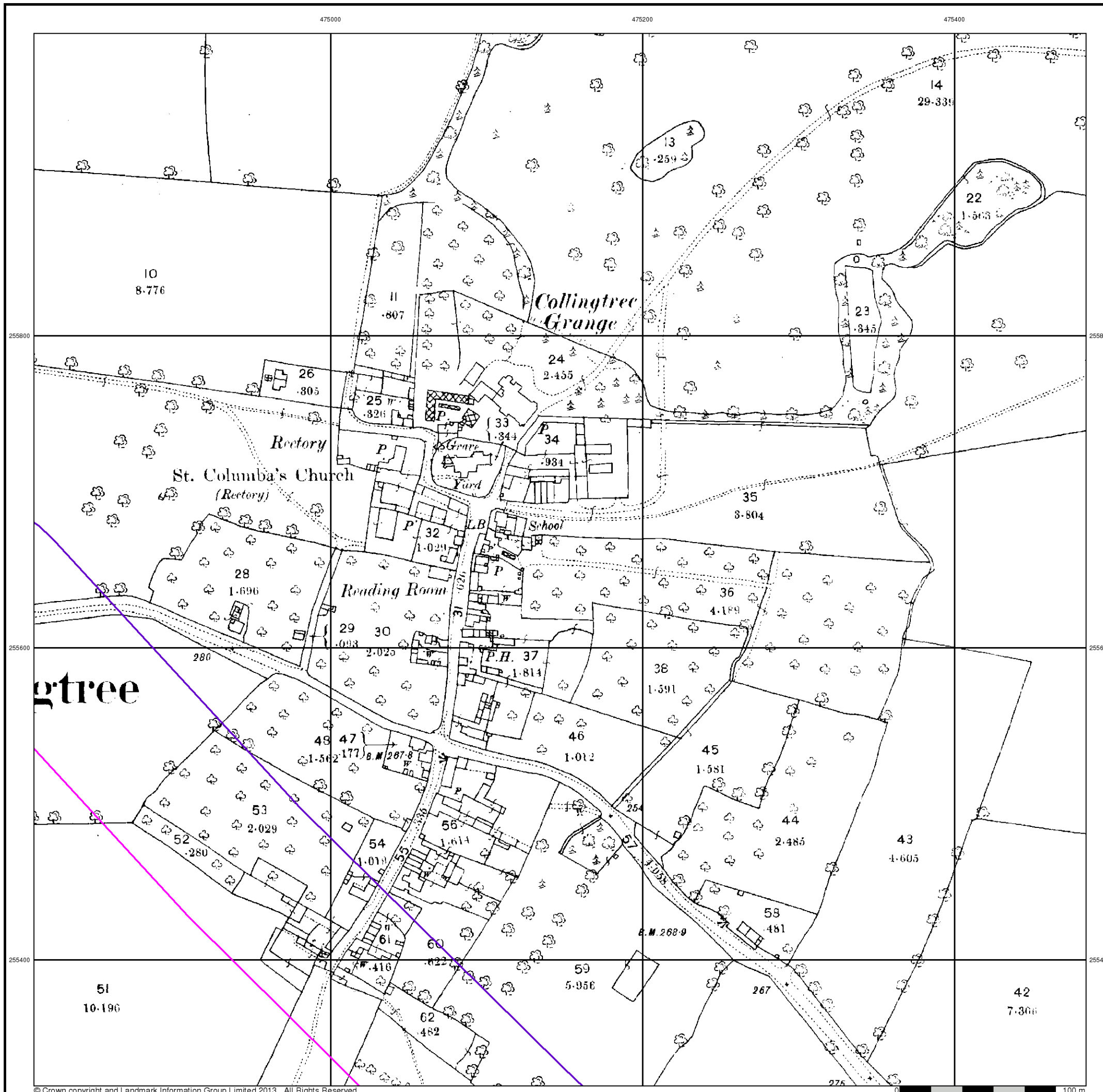


Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

Site Details

M1 Junction 15, NORTHAMPTON



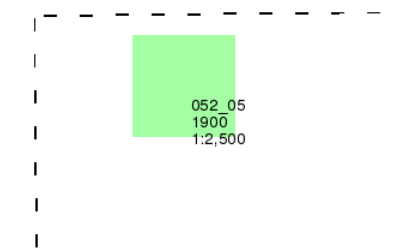
Northamptonshire

Published 1900

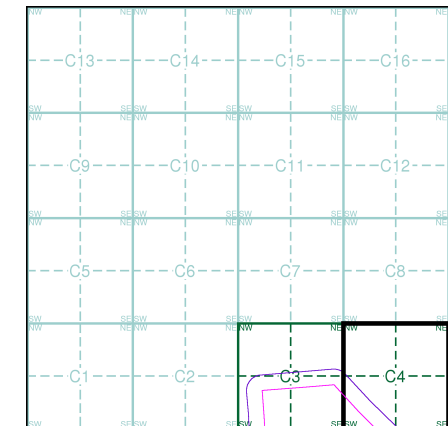
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment C4

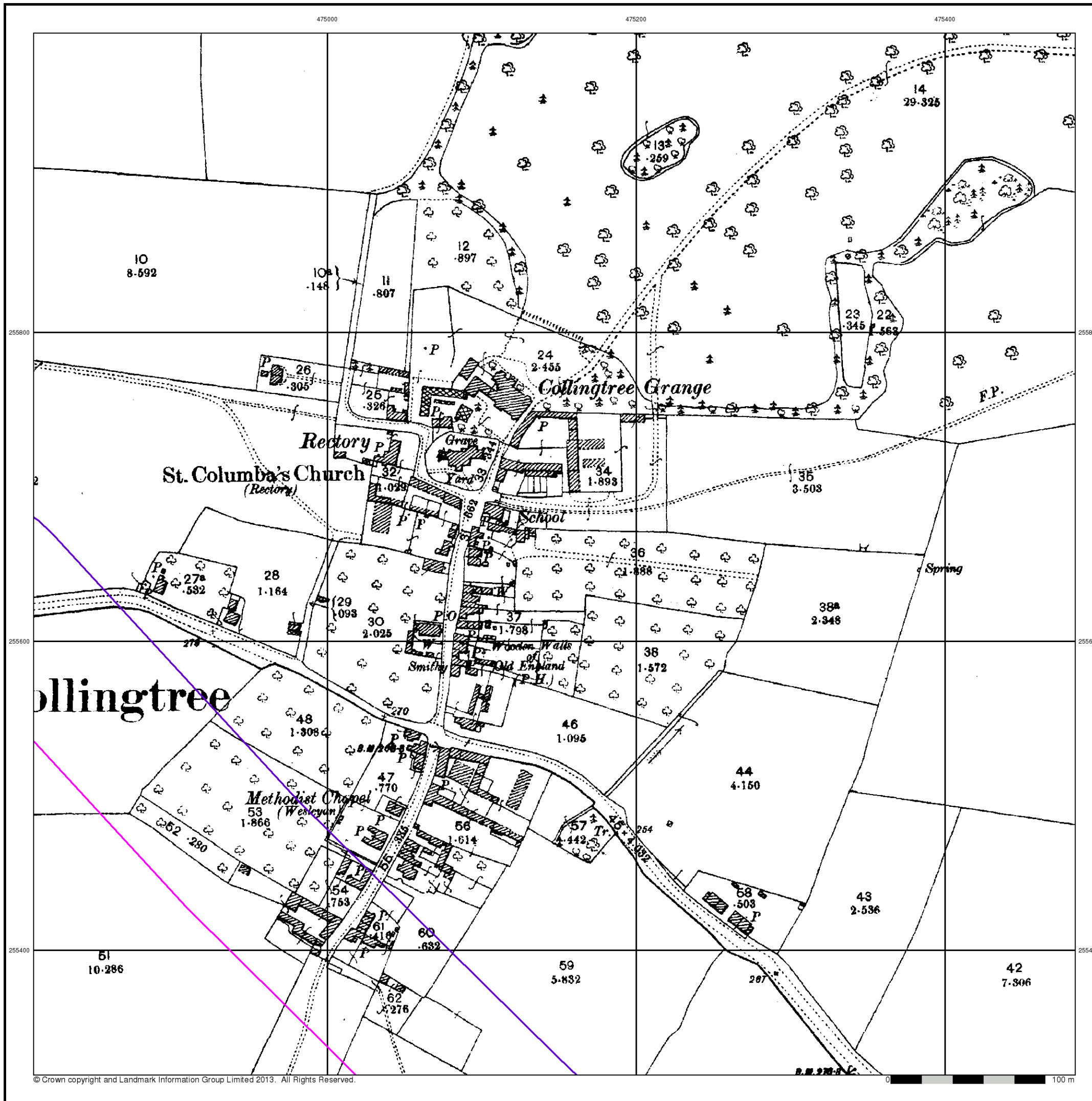


Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

Site Details

M1 Junction 15, NORTHAMPTON



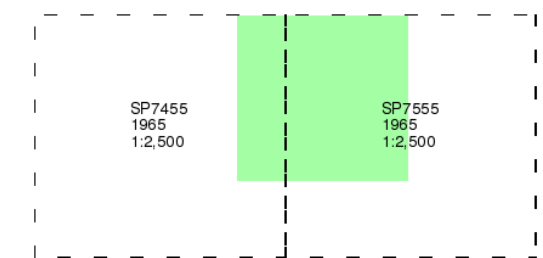
### Ordnance Survey Plan

Published 1965

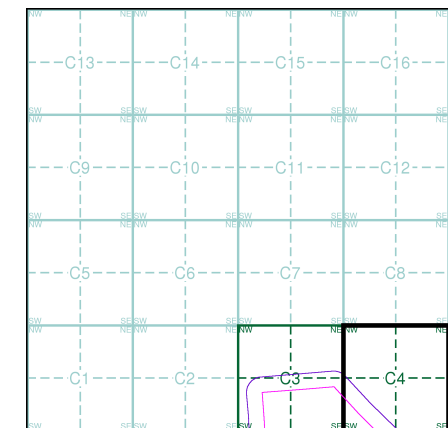
Source map scale - 1:2,500

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

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



### Historical Map - Segment C4

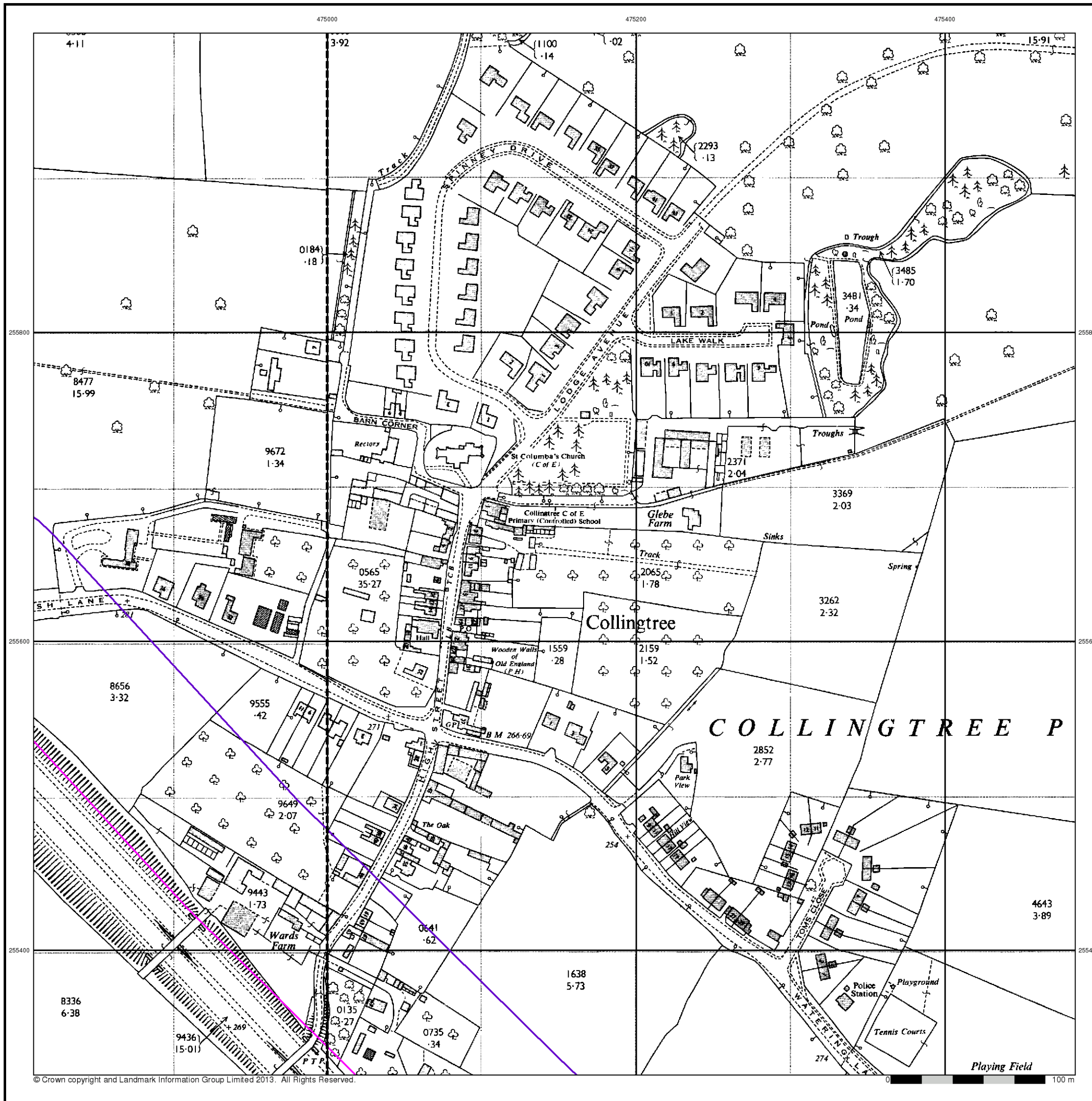


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON



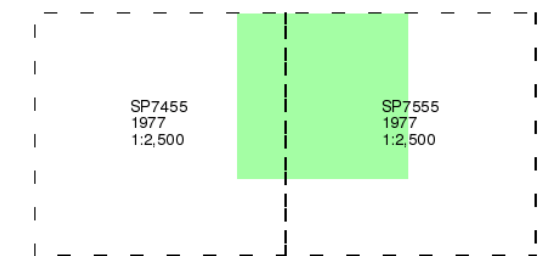
## Ordnance Survey Plan

Published 1977

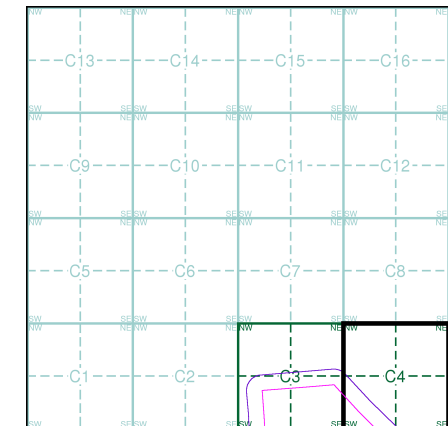
Source map scale - 1:2,500

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

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



### Historical Map - Segment C4

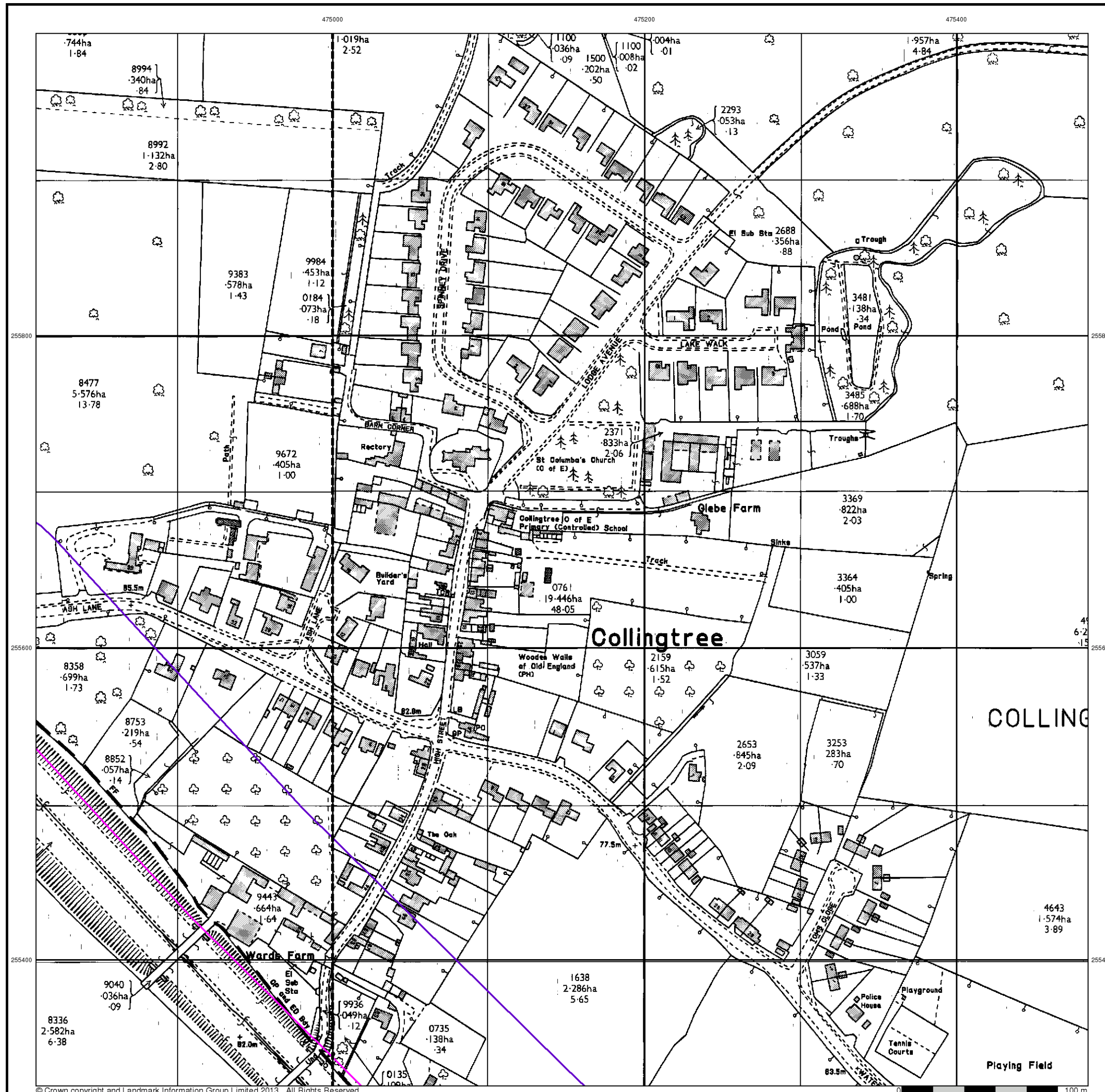


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

### Site Details

M1 Junction 15, NORTHAMPTON

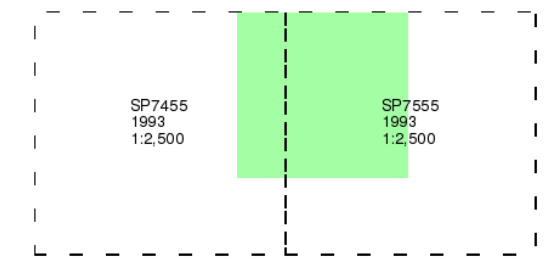




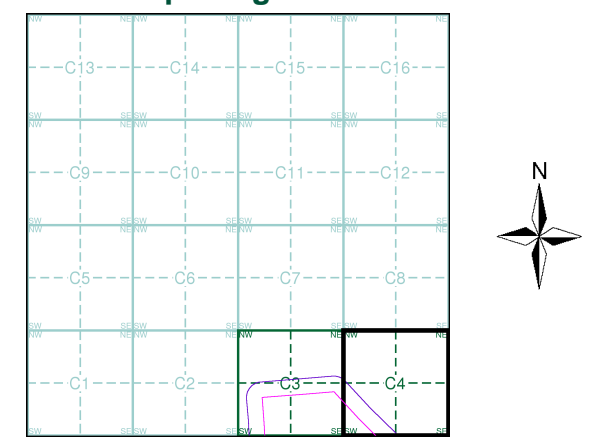
**Large-Scale National Grid Data**  
**Published 1993**  
**Source map scale - 1:2,500**

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

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



**Historical Map - Segment C4**



**Order Details**

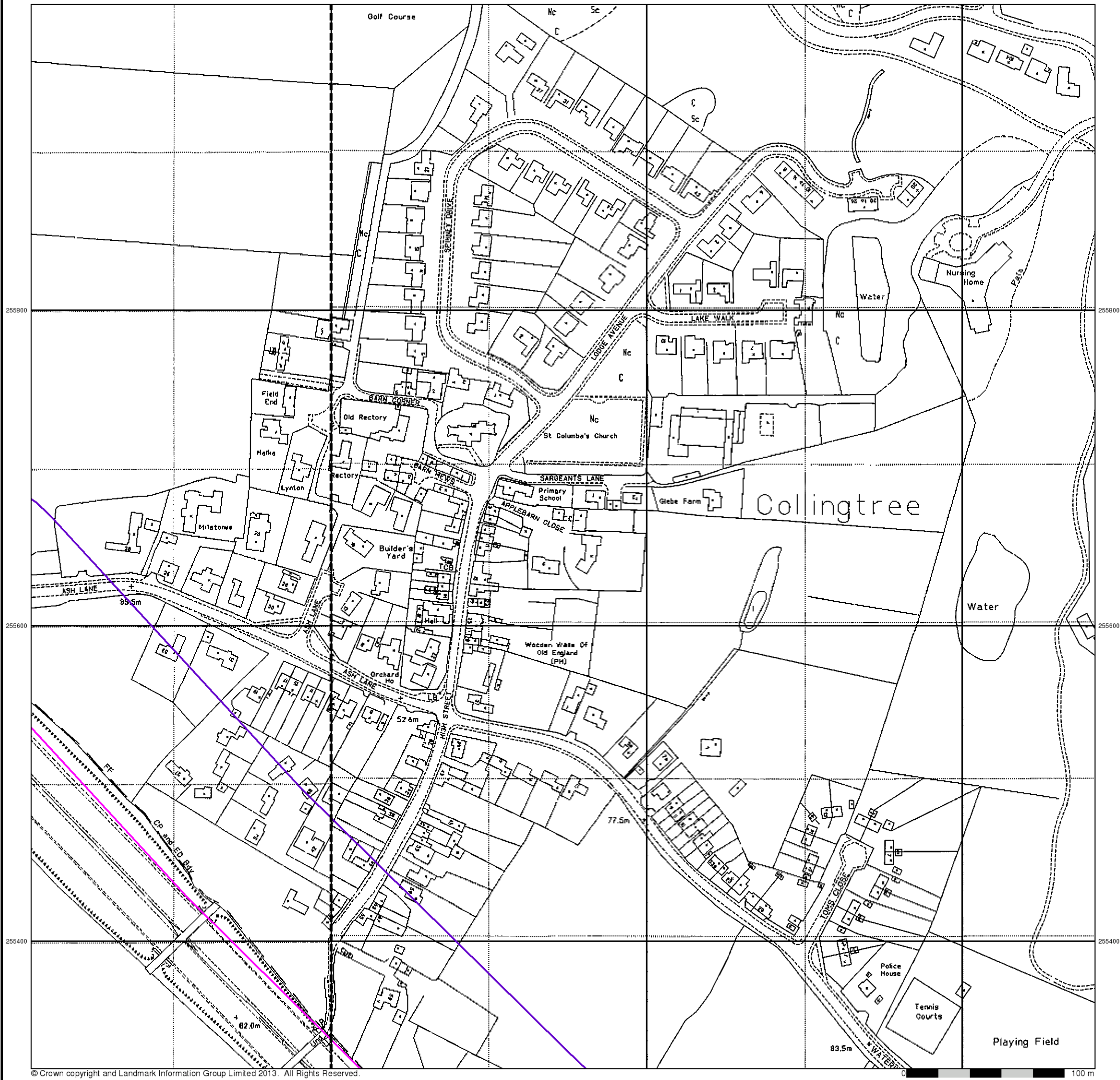
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474440, 255900  
 Slice: C  
 Site Area (Ha): 172.72  
 Search Buffer (m): 100

**Site Details**

M1 Junction 15, NORTHAMPTON



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 Fax: 0844 844 9951  
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475000 475200 475400



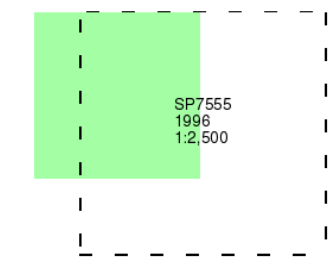
### Large-Scale National Grid Data

Published 1996

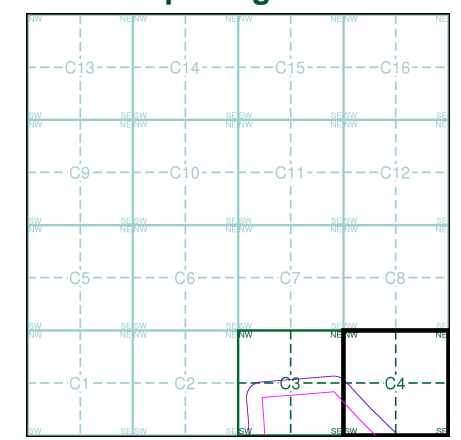
Source map scale - 1:2,500

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

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



### Historical Map - Segment C4



### Order Details

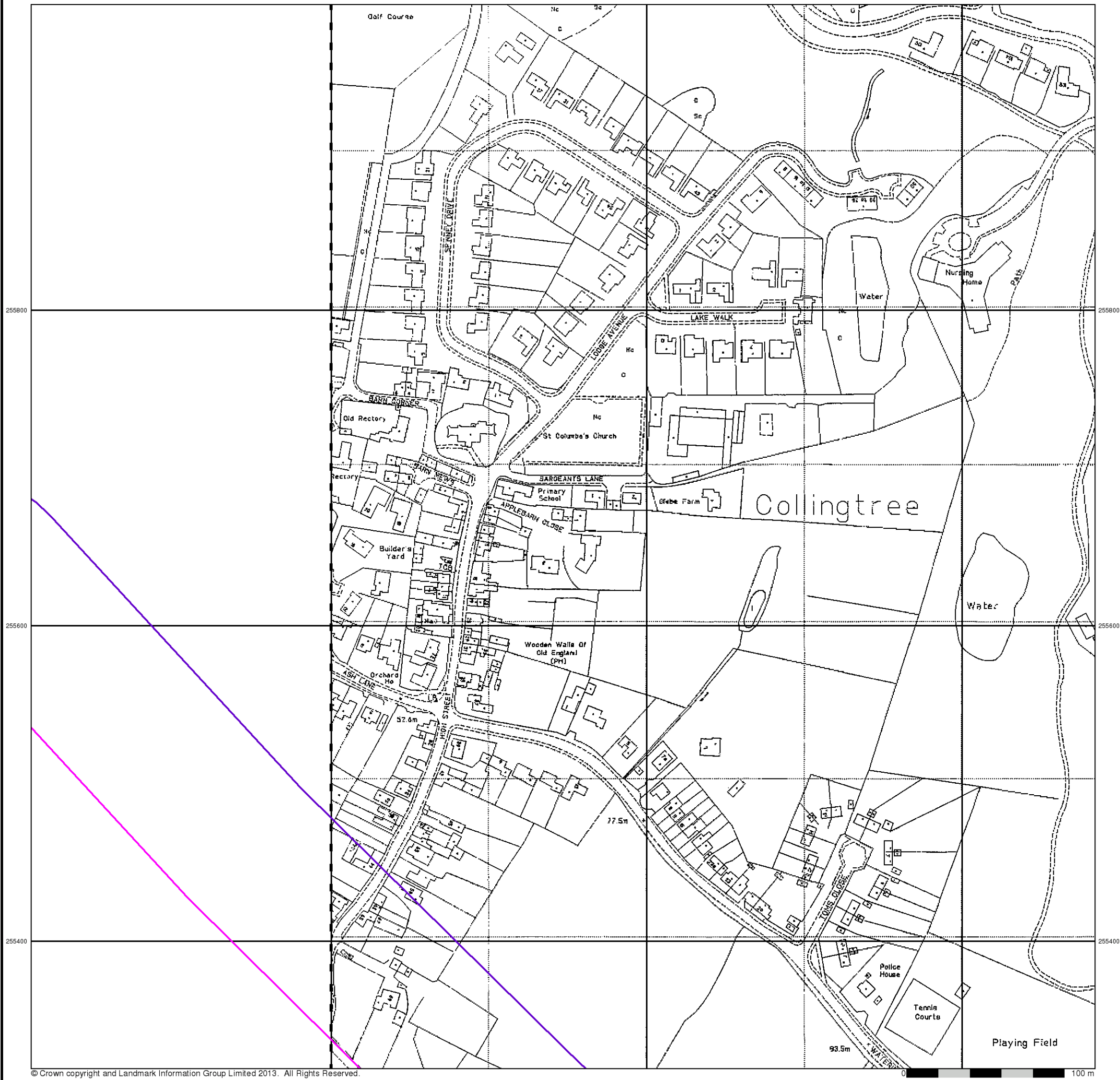
Order Number: 59121721\_1\_1  
Customer Ref: 312598  
National Grid Reference: 474440, 255900  
Slice: C  
Site Area (Ha): 172.72  
Search Buffer (m): 100

### Site Details

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








# Geology 1:10,000 Maps Legends









## Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene

## Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Pleistocene
	GFSMP	Glaciofluvial Sheet Deposits, Mid Pleistocene	Sand and Gravel	Ipswichian - Cromerian
	TILMP	TILL, MID PLEISTOCENE	Diamicton	Ipswichian - Cromerian

## Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WBRO	Wellingborough Limestone Member	Limestone and Mudstone, Interbedded	Bathonian - Bathonian
	BWL	Blisworth Limestone Formation	Limestone	Bathonian - Bathonian
	BWC	Blisworth Clay Formation	Mudstone	Bathonian - Bathonian
	STAM	Stamford Member	Sandstone and Siltstone, Interbedded	Bathonian - Bajocian
	RLD	Rutland Formation	Mudstone	Bathonian - Bajocian
	NS	Northampton Sand Formation	Sandstone, Limestone and Ironstone	Aalenian - Aalenian
	WHM	Whitby Mudstone Formation	Mudstone	Toarcian - Toarcian
	Fault			

## Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

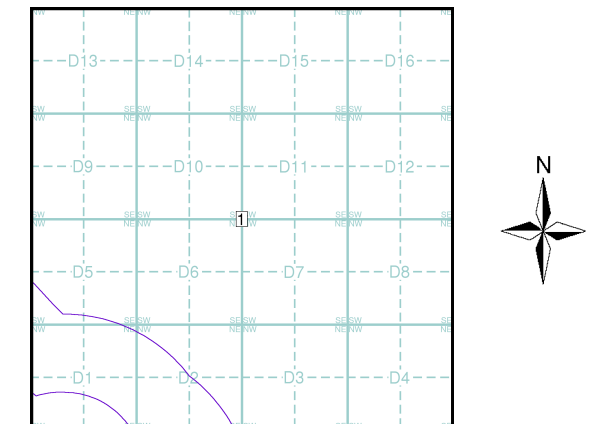
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

## Geology 1:10,000 Maps Coverage

Map ID:	1
Map Name:	SP75NE
Map Date:	1961
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Available
Landslip:	Not Available
Rock Segments:	Not Available

## Geology 1:10,000 Maps - Slice D

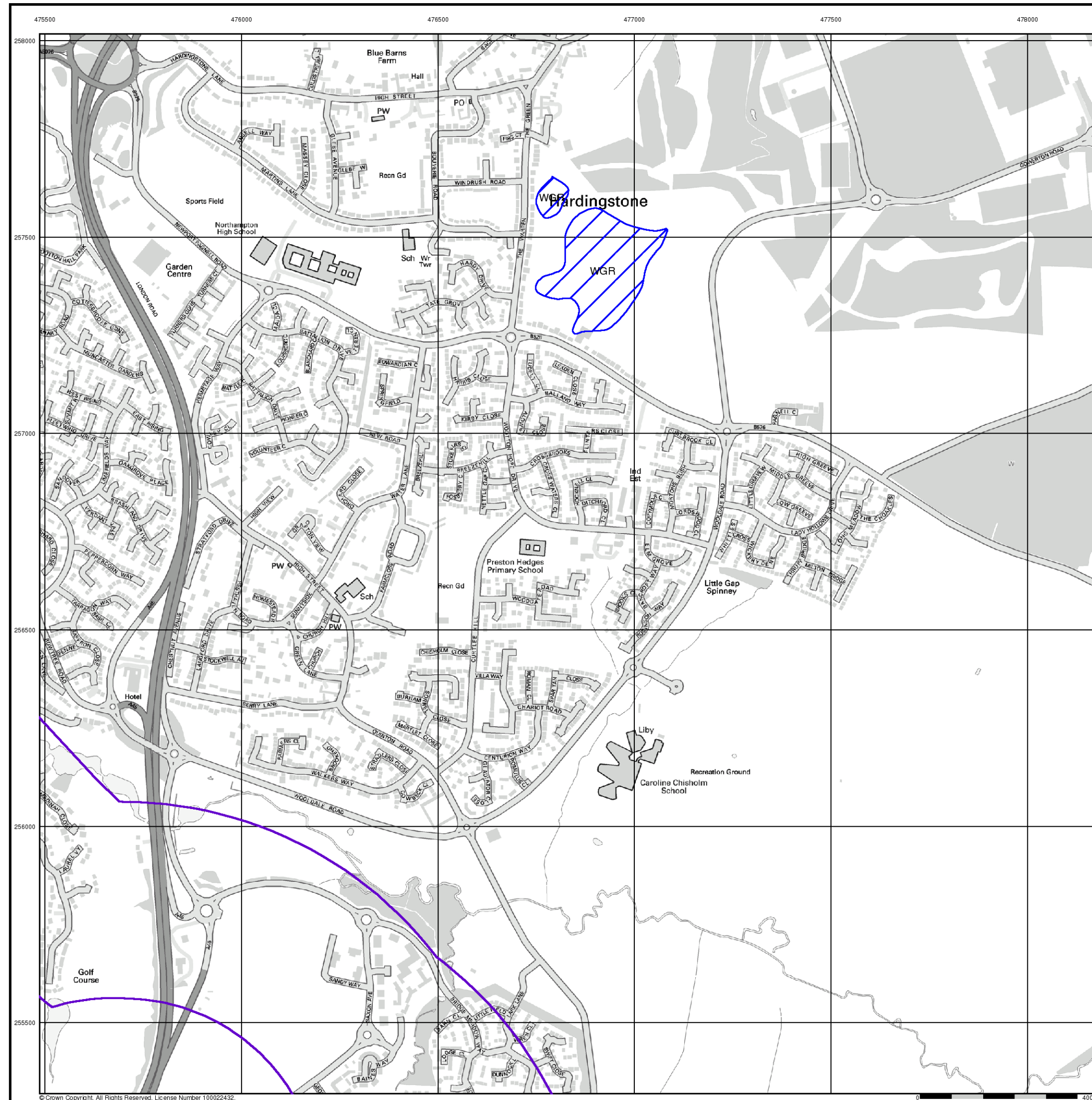


## Order Details

Order Number:	59121721_1_1
Customer Ref:	312598
National Grid Reference:	475990, 255650
Slice:	D
Site Area (Ha):	172.72
Search Buffer (m):	1000

## Site Details

M1 Junction 15, NORTHAMPTON



### Artificial Ground and Landslip

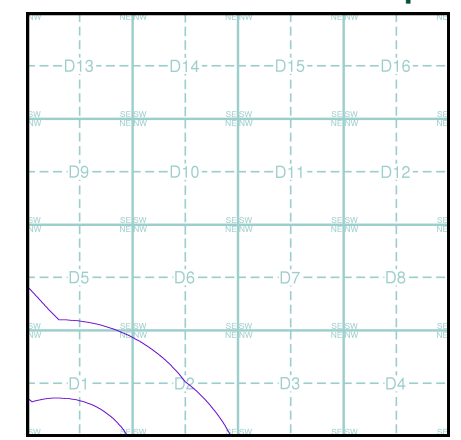
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes founded strata, where the ground has collapsed due to subsidence.

### Artificial Ground and Landslip Map - Slice D



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON

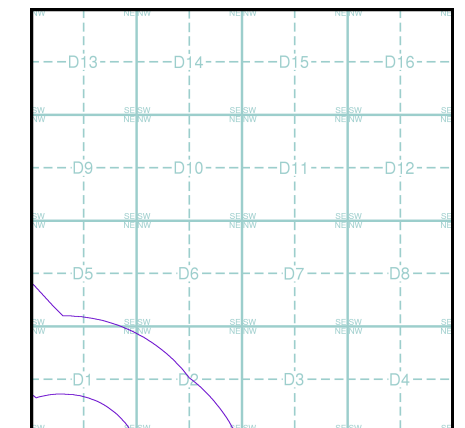
### Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice D



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Bedrock and Faults

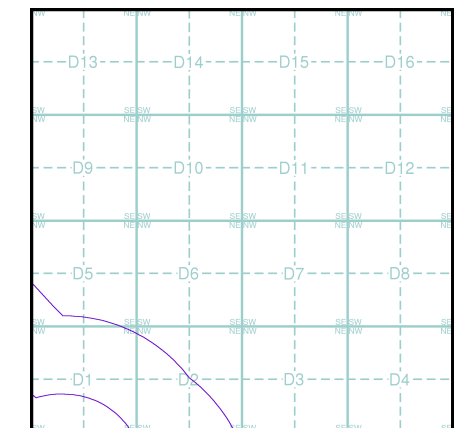
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

## Bedrock and Faults Map - Slice D

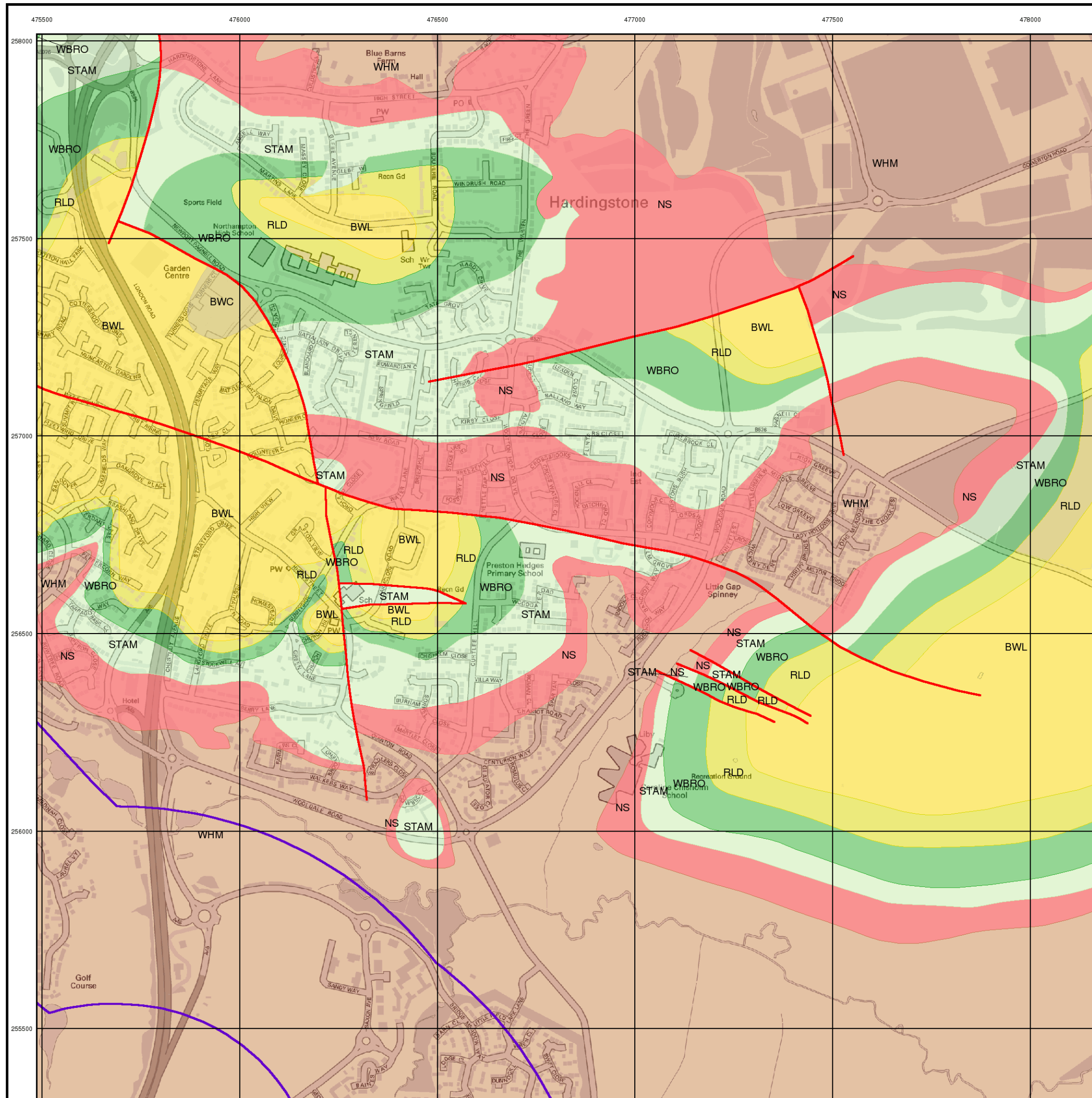


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

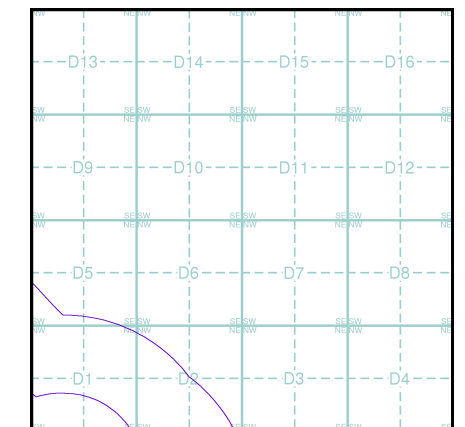
### Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
 Kingsley Dunham Centre  
 Keyworth  
 Nottingham  
 NG12 5GG  
 Telephone: 0115 936 3143  
 Fax: 0115 936 3276  
 email: enquiries@bgs.ac.uk  
 website: www.bgs.ac.uk

### Combined Geology Map - Slice D

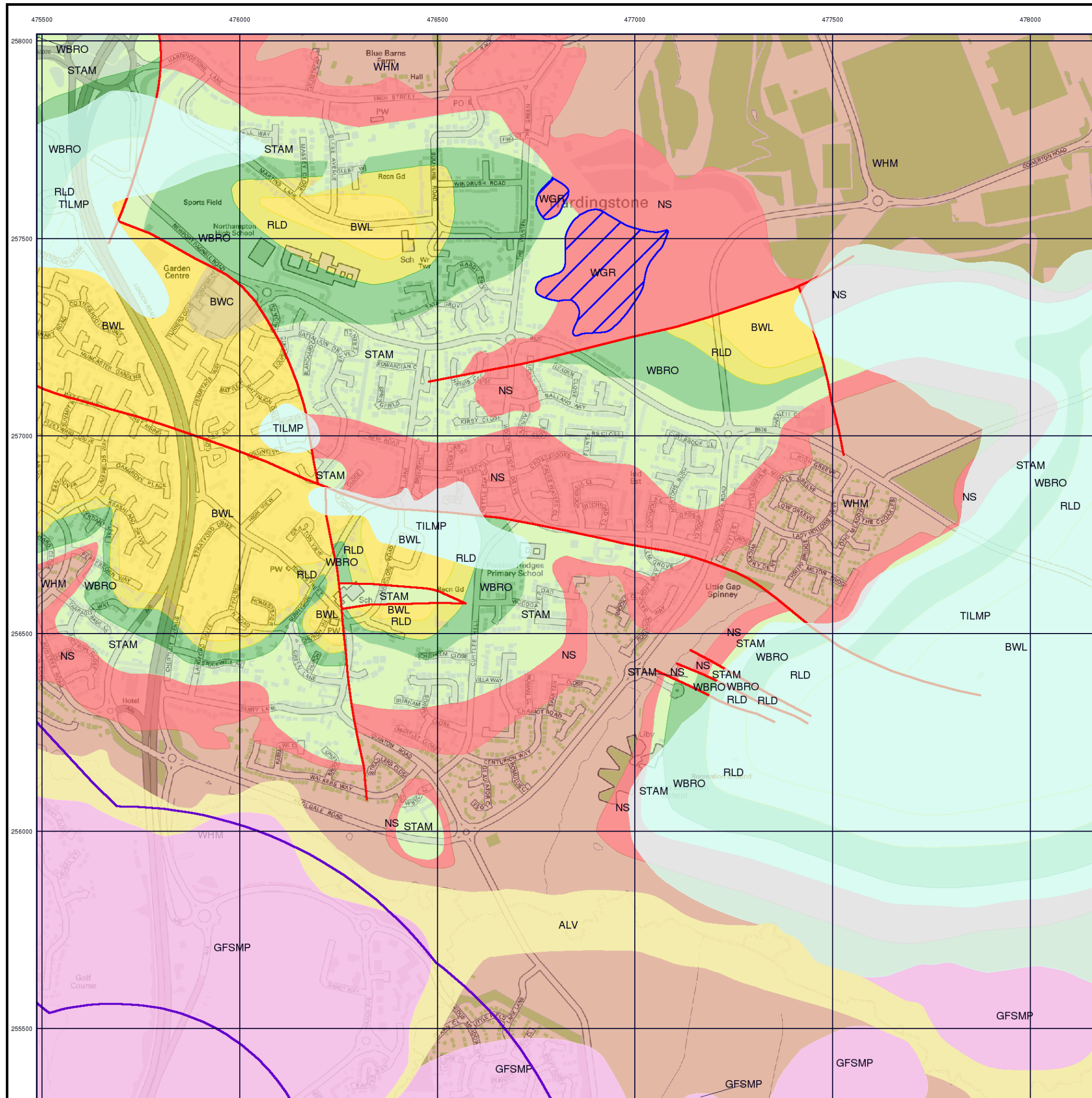


### Order Details

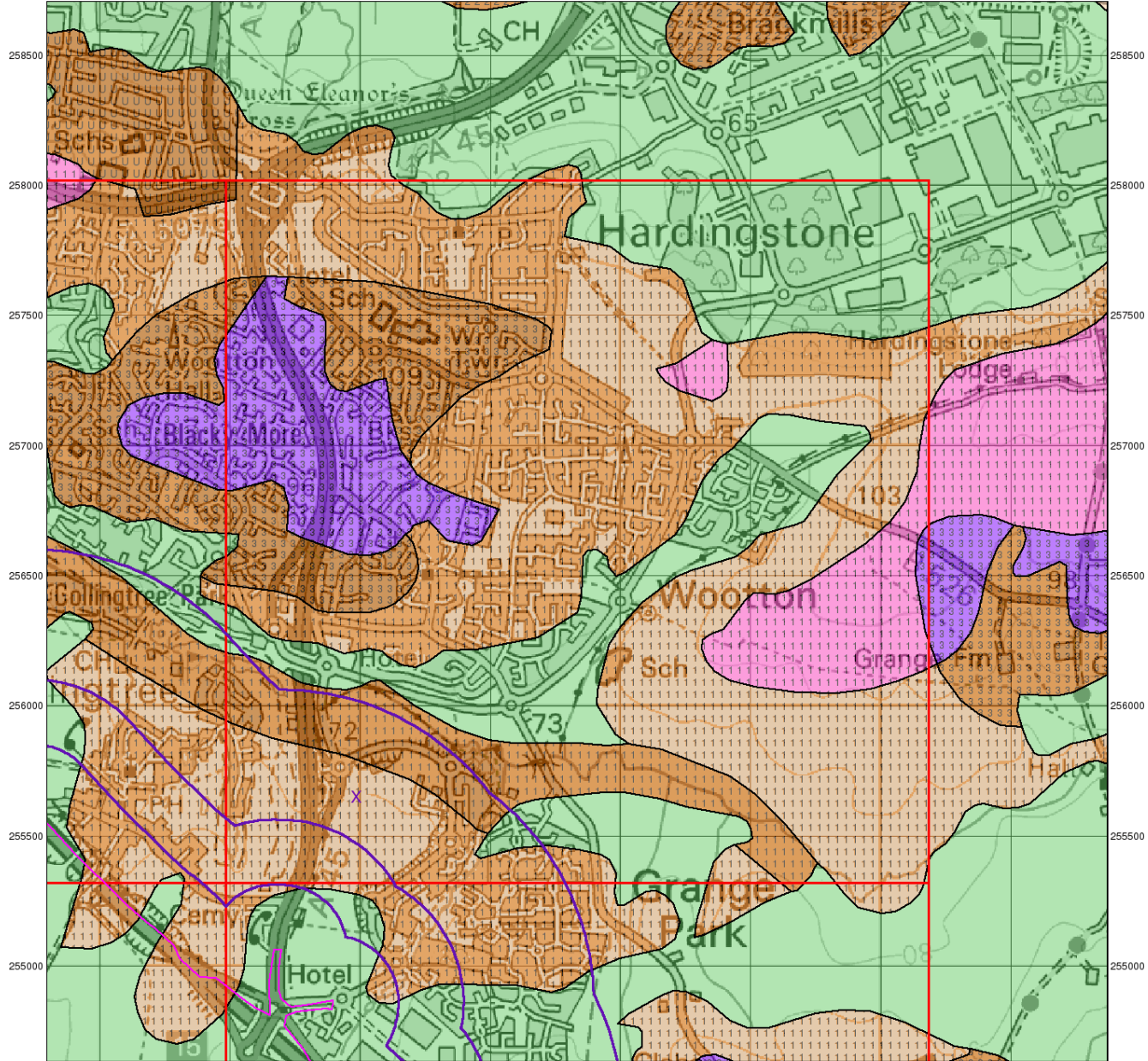
Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



475000 475500 476000 476500 477000 477500 478000 478500



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0 1 km



## Groundwater Vulnerability

### General

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

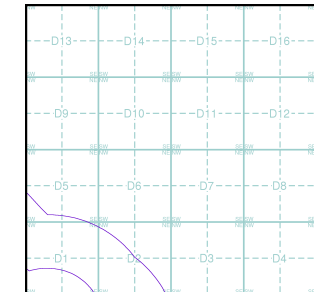
### Agency and Hydrological

#### Geological Classes

- Major Aquifer (Highly Permeable)**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Minor Aquifer (Variably Permeable)**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Non Aquifer (Negligibly Permeable)**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Water or Sea**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Drift Deposit**
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low

#### Soil Classes

### Site Sensitivity Context Map - Slice D



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

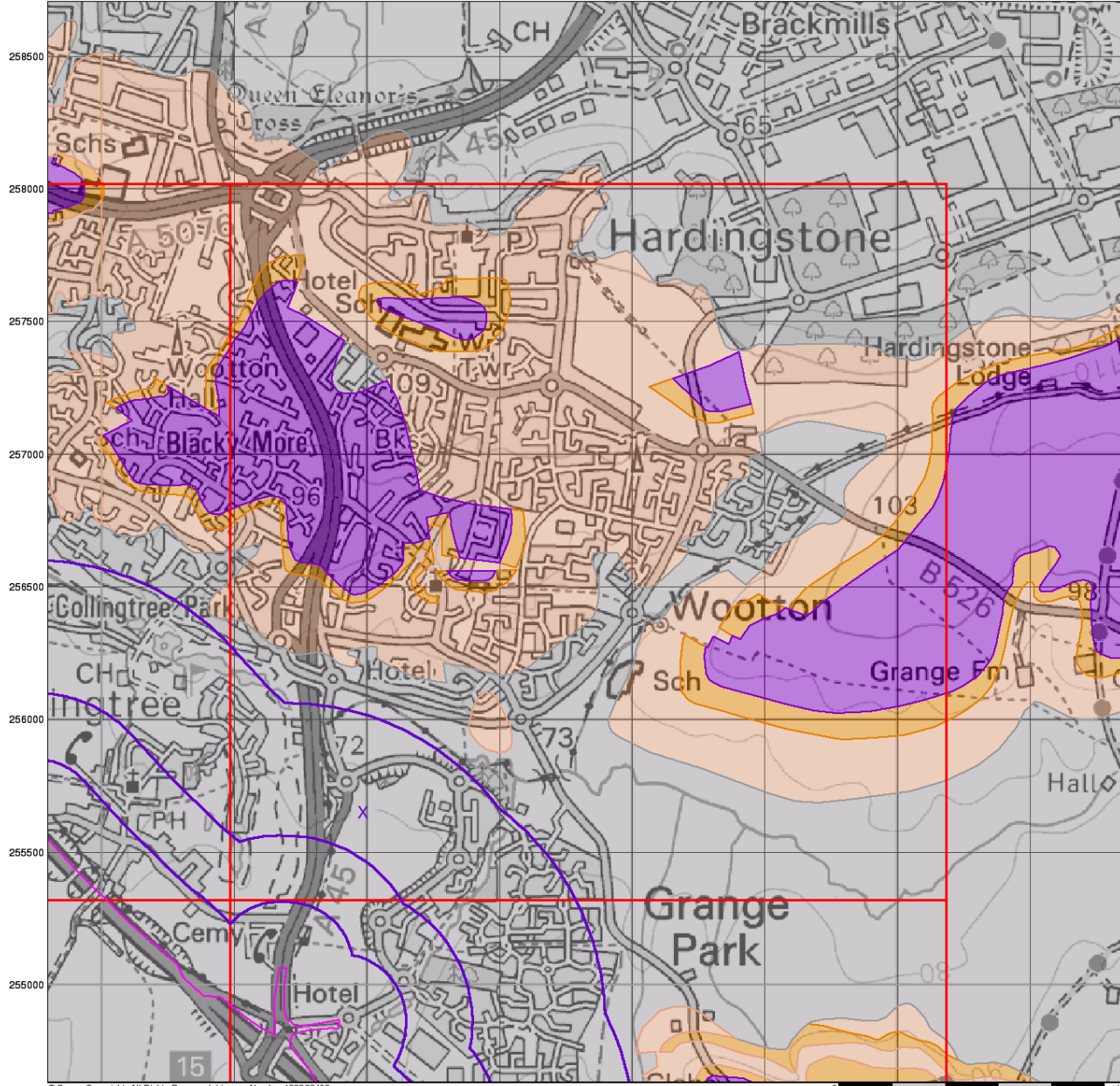
### Site Details

M1 Junction 15, NORTHAMPTON



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 Web: www.envirocheck.co.uk

475000 475500 476000 476500 477000 477500 478000 478500



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0 1 km



## Bedrock Aquifer Designation

### General

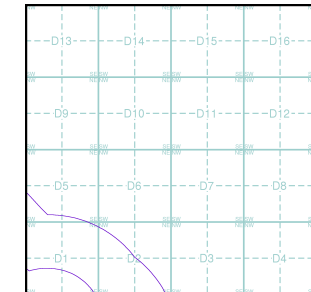
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice D



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

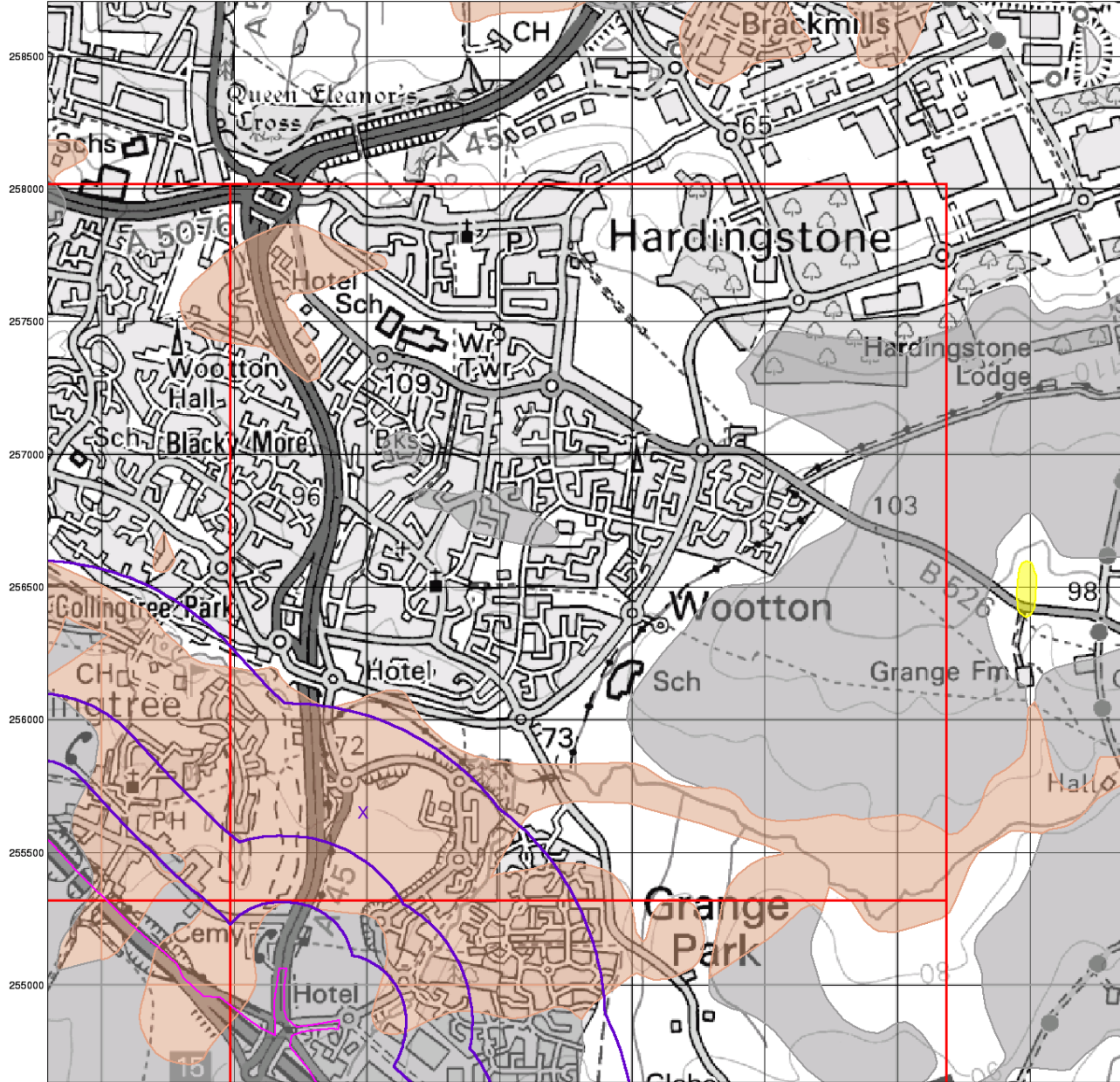
### Site Details

M1 Junction 15, NORTHAMPTON



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

475000 475500 476000 476500 477000 477500 478000 478500



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0 1 km



## Superficial Aquifer Designation

### General

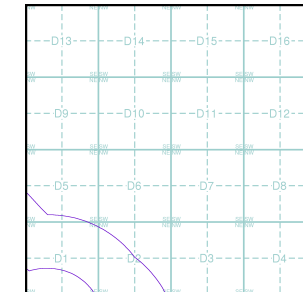
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

### Site Sensitivity Context Map - Slice D



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

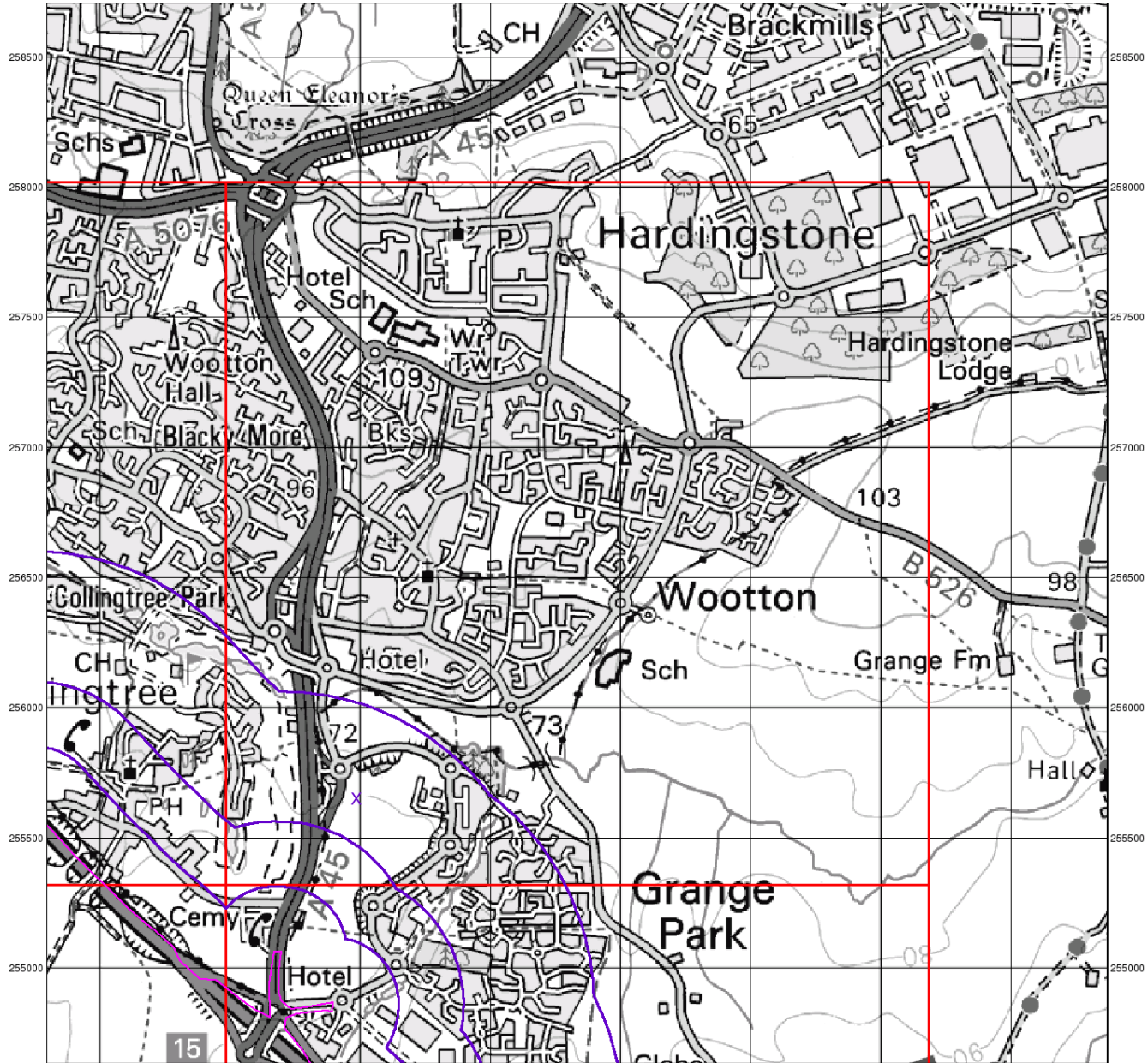
M1 Junction 15, NORTHAMPTON



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



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0 1 km



### Source Protection Zones

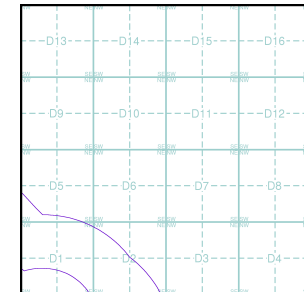
#### General

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

#### Agency and Hydrological

- Source Protection Zone I
- Source Protection Zone II
- Source Protection Zone III
- Zone of Special Interest
- Source Protection Zone Borehole

### Site Sensitivity Context Map - Slice D



#### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

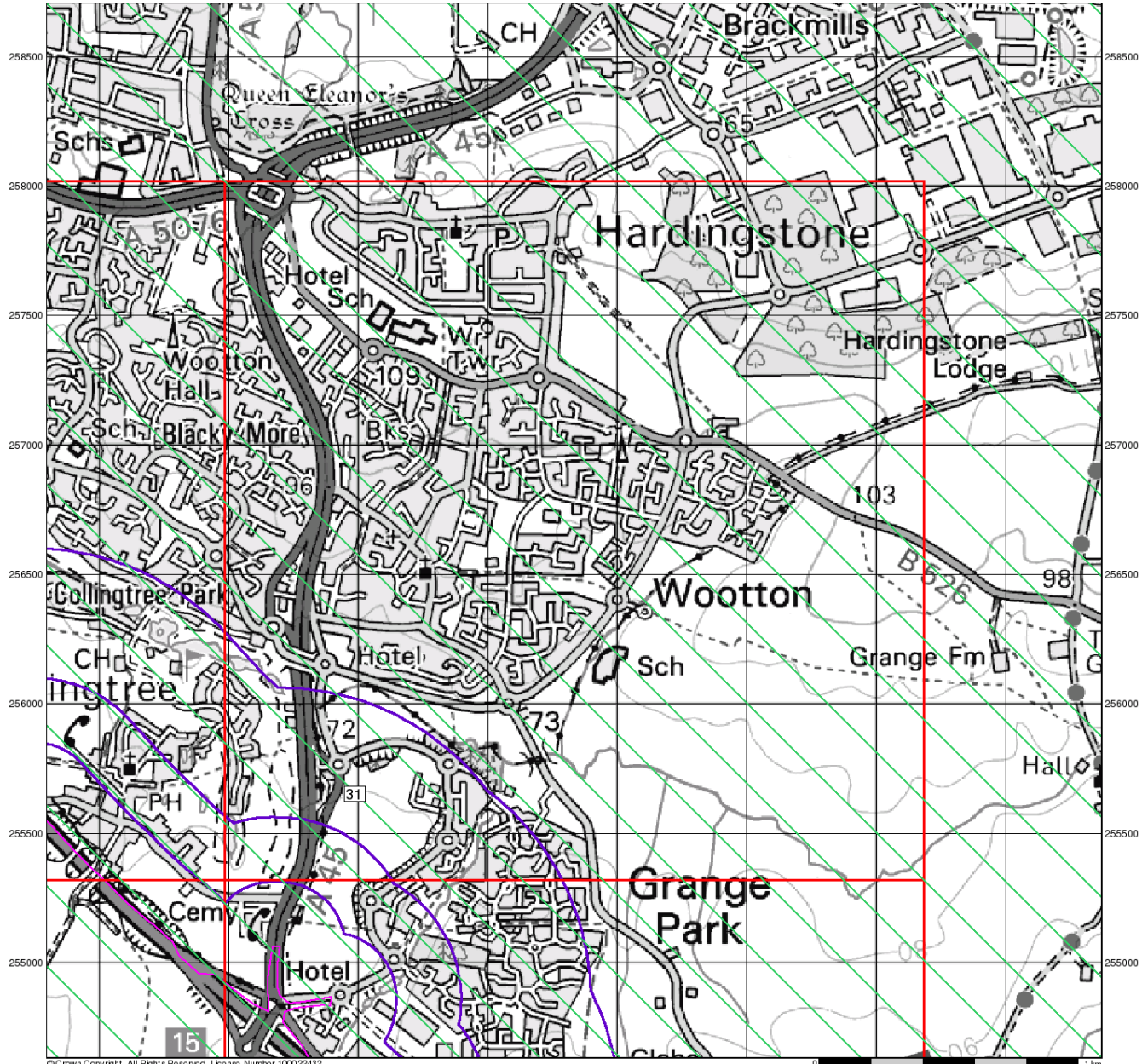
#### Site Details

M1 Junction 15, NORTHAMPTON



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

475000 475500 476000 476500 477000 477500 478000 478500



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0 1 km



### Sensitive Land Uses

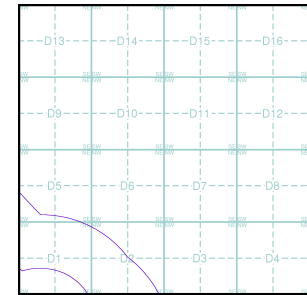
#### General

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

#### Sensitive Land Uses

- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area

#### Site Sensitivity Context Map - Slice D



#### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

#### Site Details

M1 Junction 15, NORTHAMPTON



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

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

59121721\_1\_1

**Customer Reference:**

312598

**National Grid Reference:**

475990, 255650

**Slice:**

D

**Site Area (Ha):**

172.72

**Search Buffer (m):**

1000

#### Site Details:

M1 Junction 15  
NORTHAMPTON

#### Client Details:

Mrs D Martin  
RSK Environment Ltd  
Abbey Park  
Humber Road  
Coventry  
CV3 4AQ

<b>Report Section</b>	<b>Page Number</b>
<b>Summary</b>	-
<b>Agency &amp; Hydrological</b>	<b>1</b>
<b>Waste</b>	<b>5</b>
<b>Hazardous Substances</b>	-
<b>Geological</b>	<b>10</b>
<b>Industrial Land Use</b>	<b>13</b>
<b>Sensitive Land Use</b>	<b>14</b>
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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 and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

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

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#### **Report Version v47.0**

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				6
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2				2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2			Yes	
Pollution Incidents to Controlled Waters	pg 2				1
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 3				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3				1
Water Industry Act Referrals					
Groundwater Vulnerability	pg 3	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 3	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 3	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 4		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 4		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage	pg 4			Yes	n/a

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	pg 5				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 5		1	2	2
Licensed Waste Management Facilities (Locations)	pg 6				2
Local Authority Recorded Landfill Sites	pg 6				4
Registered Landfill Sites	pg 7			1	5
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					
<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	Yes
BGS Recorded Mineral Sites	pg 11				2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages	pg 12		Yes		
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 12	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 12	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				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>Data Type</b>	<b>Page Number</b>	<b>On Site</b>	<b>0 to 250m</b>	<b>251 to 500m</b>	<b>501 to 1000m (*up to 2000m)</b>
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 13				4
Fuel Station Entries	pg 13				1
<b>Sensitive Land Use</b>					
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 14	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>Discharge Consents</b></p> <p>Operator: Mr S Mangaleswaran  Property Type: Retail Filling Stations  Location: Garage The Old Sandpit, A508 Near Courteenhall, Northampton  Authority: Environment Agency, Anglian Region  Catchment Area: Not Given  Reference: Pr5nf5134  Permit Version: 1  Effective Date: 18th March 1986  Issued Date: 18th March 1986  Revocation Date: Not Supplied  Discharge Type: Discharge Of Other Matter-Surface Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Wootton Brook  <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b>  Positional Accuracy: Located by supplier to within 100m</p>	D1NE (W)	624	2	475840 255670
2	<p><b>Discharge Consents</b></p> <p>Operator: Courteenhall Estates Ltd  Property Type: Not Supplied  Location: The Old Sandpit, A508 Courteenhall, Northampton, Nn7 2qe  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Pr5lf5135  Permit Version: 1  Effective Date: 18th March 1986  Issued Date: 18th March 1986  Revocation Date: 1st October 1996  Discharge Type: Unknown  Discharge: Onto Land  Environment:  Receiving Water: Land  <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	D1NE (NW)	666	2	475920 255690
3	<p><b>Discharge Consents</b></p> <p>Operator: Viridor Waste Wootton Ltd  Property Type: Household, Commercial and Industrial Waste Landfills  Location: Wootton Landfill Site A508 (Southbound), Grange Park, Collingtree, Northampton, Nn4 0jn  Authority: Environment Agency, Anglian Region  Catchment Area: Wootton Brook (Gayton)  Reference: Prnnf01209  Permit Version: 2  Effective Date: 28th March 2001  Issued Date: 28th March 2001  Revocation Date: 5th August 2011  Discharge Type: Trade Discharge - Process Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Wootton Brook  <b>Status: Surrendered under EPR 2010</b>  Positional Accuracy: Located by supplier to within 10m</p>	D1NE (NE)	795	2	476080 255760
4	<p><b>Discharge Consents</b></p> <p>Operator: Sandspillers Ltd  Property Type: Extraction Of Stone, Gravel Etc.  Location: Wootton Quarry Courteenhall Grange Farm, Junction 15, M1  Authority: Environment Agency, Anglian Region  Catchment Area: Wootton Brook (Gayton)  Reference: Prnnf03317  Permit Version: 1  Effective Date: 24th October 1990  Issued Date: 24th October 1990  Revocation Date: 26th November 2002  Discharge Type: Trade Discharge - Process Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Wootton Brook  <b>Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 &amp; 6)</b>  Positional Accuracy: Located by supplier to within 100m</p>	D1NE (NE)	850	2	476120 255800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p><b>Discharge Consents</b></p> <p>Operator: Viridor Waste Management  Property Type: Extraction Of Stone, Gravel Etc.  Location: Wootton Quarry, Wootton, Northants, Nn4 0ly  Authority: Environment Agency, Anglian Region  Catchment Area: Wootton Brook (Gayton)  Reference: Prnnf01209  Permit Version: 1  Effective Date: 28th September 1989  Issued Date: 28th September 1989  Revocation Date: 27th March 2001  Discharge Type: Trade Discharge - Process Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Wootton Brook  <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	D2NW (NE)	945	2	476220 255850
6	<p><b>Discharge Consents</b></p> <p>Operator: Bryant Homes Ltd  Property Type: Not Supplied  Location: Eastern Area, Res. Dev. At East Hunsbury, Northampton  Authority: Environment Agency, Anglian Region  Catchment Area: Not Supplied  Reference: Pr5nf5084  Permit Version: 1  Effective Date: 30th September 1985  Issued Date: 30th September 1985  Revocation Date: 26th February 1992  Discharge Type: Discharge Of Other Matter-Surface Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Wootton Brook  <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	D5SW (NW)	976	2	475560 256160
7	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Bp Grange Farm  Location: Grange Farm, A508 Southbound, Collingtree, NORTHAMPTON, Northamptonshire, NN7 0LY  Authority: South Northamptonshire Council, Environmental Health Department  Permit Reference: 78/1.2/05  Dated: 23rd December 1998  Process Type: Local Authority Pollution Prevention and Control  Description: PG1/14 Petrol filling station  <b>Status: Permitted</b>  Positional Accuracy: Manually positioned to the address or location</p>	D1SE (W)	587	3	475844 255630
7	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Murco Service Station  Location: London Road, Northampton, Nn4 9aj  Authority: Northampton Borough Council, Environmental Health Department  Permit Reference: 78  Dated: Not Supplied  Process Type: Local Authority Pollution Prevention and Control  Description: PG1/14 Petrol filling station  <b>Status: Authorised</b>  Positional Accuracy: Manually positioned to the address or location</p>	D1SE (W)	589	4	475844 255633
	<p><b>Nearest Surface Water Feature</b></p>	D1SW (SW)	321	-	475521 255356
8	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Landfill/Waste Disposal Site  Location: Kettering District  Authority: Environment Agency, Anglian Region  Pollutant: Miscellaneous - Tip Leachate  Note: Wootton Brook  Incident Date: 17th October 1994  Incident Reference: 2180  Catchment Area: Not Given  Receiving Water: Freshwater Stream/River  Cause of Incident: Vandalism  Incident Severity: Category 3 - Minor Incident  Positional Accuracy: Located by supplier to within 100m</p>	D2NW (E)	811	2	476200 255700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>River Quality</b> Name: Wootton Brk GQA Grade: River Quality B Reach: Quinton Bk....Gayton Arm Estimated Distance (km): 7 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	D2NW (NE)	823	2	476266 255904
9	<b>Water Abstractions</b> Operator: Collingtree Park Golf Course Licence Number: 5/32/04/*s/052b Permit Version: Not Supplied Location: Wootton Brook Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 12 Yearly Rate (m3): 570000 Details: Not Supplied 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 100m	D5SW (NW)	938	2	475700 256000
	<b>Groundwater Vulnerability</b> Soil Classification: Not classified Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	(S)	0	2	475908 255291
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 31 Bedfordshire Scale: 1:100,000	D1SE (E)	0	2	475986 255651
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(S)	0	5	475986 255001
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	D1SE (E)	0	5	475986 255651
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(SW)	0	5	475000 255001
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(W)	0	5	475000 255651
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(SW)	0	5	475581 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	D1SE (E)	0	5	475986 255651
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(W)	0	5	474976 255827
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(SW)	0	5	475000 255001
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	(W)	0	5	475000 255651
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(S)	0	5	475977 255268
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(SW)	0	5	475373 255348

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	(S)	0	5	475986 255001
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D1NE (NE)	73	2	476117 255879
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	D1NE (NE)	95	2	476131 255875
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
	<b>Detailed River Network Lines</b> None				
10	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D005	D1SW (SW)	321	2	475521 255356

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<b>Historical Landfill Sites</b> Licence Holder: Tarmac Construction Location: Collingtree Name: Courteenhall Grange Farm Pit Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL02323 First Input Date: 1st May 1986 Last Input Date: 31st October 1986 Specified Waste Type: Deposited Waste included Inert and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: S/042, S/012	D1SE (E)	538	2	475986 255651
12	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Wooton Quarry Licence Number: 70662 Location: Sandspencers Ltd, Wooton Quarry, A508 (southbound), Collingtree, Northants, NN4 0LY Licence Holder: Viridor Waste Wootton Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites Max Input Rate: Not Supplied <b>Licence Status: Closure</b> Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	D1SE (E)	144	2	475986 255651
13	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Wooton Quarry Licence Number: 70647 Location: A508, Collingtree, Northants, NN4 0LY Licence Holder: Viridor Waste Wootton Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites Max Input Rate: Large (Equal to or greater than 75,000 tonnes per year) <b>Licence Status: Inactive</b> Issued: 1st June 1992 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	D1SE (SE)	380	2	476037 255537
14	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Wooton Quarry Licence Number: 70647 Location: Sandspencers Ltd, A508, Collingtree, Northants, NN4 0LY Licence Holder: Viridor Waste Wootton Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites Max Input Rate: Not Supplied <b>Licence Status: Closure</b> Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	D1SE (SE)	381	2	476036 255538
15	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Wooton Quarry Licence Number: 70647 Location: Sandspencers Ltd, A508, Collingtree, Northants, NN4 0LY Licence Holder: Viridor Waste Wootton Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites Max Input Rate: Not Supplied <b>Licence Status: Closure</b> Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	D1NE (NE)	570	2	476008 255674
16	<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Name: Wooton Quarry Licence Number: 70662 Location: Sandspencers Ltd, Wooton Quarry, A508 (southbound), Collingtree, Northants, NN4 0LY Licence Holder: Viridor Waste Wootton Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites Max Input Rate: Not Supplied <b>Licence Status: Closure</b> Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	D1SE (E)	639	2	476097 255647

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 70662 Location: Wootton Quarry, A508 (southbound), Collingtree, Northamptonshire, NN4 0LY Operator Name: Viridor Waste Wootton Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites <b>Licence Status: Closed</b> Issued: 22nd February 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	D2SW (SE)	743	2	476300 255500
17	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 70647 Location: A508, Collingtree, Northamptonshire, NN4 0LY Operator Name: Viridor Waste Wootton Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Co-disposal Landfill Sites <b>Licence Status: Closed</b> Issued: 1st June 1992 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	D2SW (SE)	743	2	476300 255500
	<b>Local Authority Landfill Coverage</b> Name: South Northamptonshire District Council - Has supplied landfill data		0	3	475986 255651
	<b>Local Authority Landfill Coverage</b> Name: Northamptonshire County Council - Has supplied landfill data		0	8	475986 255651
	<b>Local Authority Landfill Coverage</b> Name: Northampton Borough Council - Has no landfill data to supply		0	4	475833 255640
18	<b>Local Authority Recorded Landfill Sites</b> Location: Courteenhall Grange Farm, Collingtree Reference: S42 Authority: South Northamptonshire Council, Environmental Health Department <b>Last Reported Status: Closed</b> Types of Waste: Solid Inert Date of Closure: 31/12/1986 Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	D1NE (NW)	669	3	475900 255700
19	<b>Local Authority Recorded Landfill Sites</b> Location: Courteenhall Grange Pit, Collingtree Reference: S12 Authority: South Northamptonshire Council, Environmental Health Department <b>Last Reported Status: Closed</b> Types of Waste: Solid Inert, Solid Degradable, Asbestos Date of Closure: 31/01/1983 Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	D1NE (N)	706	3	476000 255700
20	<b>Local Authority Recorded Landfill Sites</b> Location: Sandspinnors Limited, Wootton Quarry, Collingtree Reference: S62 Authority: South Northamptonshire Council, Environmental Health Department <b>Last Reported Status: Open</b> Types of Waste: Solid Inert, Solid Degradable, Solid Putrescible, Domestic, Difficult, Asbestos (Excluding Fibrous Asbestos), Toxic Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	D2SW (SE)	743	3	476300 255500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p><b>Local Authority Recorded Landfill Sites</b></p> <p>Location: Sandspinnners Limited, Wootton Quarry, Collingtree            Reference: S106            Authority: South Northamptonshire Council, Environmental Health Department  <b>Last Reported Status: Open</b>            Types of Waste: Solid Inert, Solid Degradable, Solid Putrescible, Domestic, Difficult, Bonded Asbestos, Toxic (Non-Special Only)            Date of Closure: Not Supplied            Positional Accuracy: Located by supplier to within 100m            Boundary Quality: Not Applicable</p>	D2SW (SE)	753	3	476322 255488
21	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Sandspinnners Ltd            Licence Reference: S/062            Site Location: Wootton Quarry (A508 Southbound), Collingtree, Courteenhall, NORTHAMPTON, Northamptonshire, NN4 0LY            Licence Easting: Not Supplied            Licence Northing: Not Supplied            Operator Location: Greendale Court, Clyst St Mary, EXETER, Devon, EX5 1AW            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Record supersededSuperseded            Dated: 1st June 1992            Preceded By: Not Given            Licence:            Superseded By: S/062            Licence:            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: Good            Authorised Waste: Northants Cat. A1 -Solid Inert (Soils)            Northants Cat. A2 -Sol.Inert (Inc.Dem)            Northants Cat. B - Slowly Decompose            Northants Cat. C - Putresc./Domestic            Prohibited Waste: Asbestos            Waste N.O.S.</p>	D1SE (N)	390	2	475985 255651
22	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Viridor Waste Wootton Ltd            Licence Reference: S/106            Site Location: Wootton Quarry (Ext), Collingtree, Courteenhall, Northampton, Northamptonshire            Licence Easting: 476000            Licence Northing: 255500            Operator Location: Great Western House, Station Approach, TAUNTON, Somerset, TA1 1QW            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Operational as far as is knownOperational            Dated: 31st May 1995            Preceded By: S/106            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Bonded Asbestos            Northants Cat. A1 -Solid Inert (Soils)            Northants Cat. A2 -Sol.Inert (Inc.Dem)            Northants Cat. B - Slowly Decompose            Northants Cat. C - Putresc./Domestic            Spec.Waste (Epa'90:S62/1996 Regs)            Prohibited Waste: Sodium/Potassium/Calcium Oxides            Special Wastes            Waste N.O.S.            Environment Agency Northants Cat. D - Difficult 6&lt;Ph&lt;9            must give specific            authorisation for this            waste to be            acceptedWaste            requires prior            approval            Northants Cat. F - Toxic</p>	D1SE (S)	531	2	476000 255500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Sandspinnners Ltd            Licence Reference: S/012            Site Location: Old Grange Sandpit, Courteenhall Grange Farm, Northampton, Northamptonshire            Licence Easting: Not Supplied            Licence Northing: Not Supplied            Operator Location: 15 Dawlish Road, Alphington, Exeter, Devon            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 9th December 1983            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: Good            Authorised Waste: Asbestos            Northamptonshire Category C *            Northants/Lincs Category A *            Northants/Lincs Category B *            Prohibited Waste: Liquid Wastes            Waste N.O.S</p>	D1SE (E)	540	2	475986 255651
24	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Viridor Waste Wootton Ltd            Licence Reference: S/062            Site Location: Wootton Quarry (A508 Southbound), Collingtree, Courteenhall, NORTHAMPTON, Northamptonshire, NN4 0LY            Licence Easting: 476200            Licence Northing: 255500            Operator Location: Great Western House, Station Approach, TAUNTON, Somerset, TA1 1QW            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Operational as far as is knownOperational            Dated: 28th March 1994            Preceded By: S/062            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Bonded Asbestos            Northants Cat. A1 -Solid Inert (Soils)            Northants Cat. A2 -Sol.Inert (Inc.Dem)            Northants Cat. B - Slowly Decompose            Northants Cat. C - Putresc./Domestic            Whole &amp; Shredded Tyres            Whole Tyres            Prohibited Waste: Fibrous Forms Of Asbestos            Sodium/Potassium/Calcium Oxides            Spec.Waste (Epa'90:S62/1996 Regs)            Special Wastes (As In S17 1980)            Waste N.O.S.            Environment Agency Non-Special Toxic Waste            must give specific authorisation for this waste to be acceptedWaste requires prior approval            Northants Cat. D - Difficult 6&lt;Ph&lt;9</p>	D2SW (SE)	665	2	476200 255500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Sandspinnners Ltd            Licence Reference: S/106            Site Location: Wooton Quarry (Ext), Collingtree, Courteenhall, Northampton, Northamptonshire            Licence Easting: 476200            Licence Northing: 255500            Operator Location: Greendale Court, Clyst St Mary, EXETER, Devon, EX5 1AW            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Record supersededSuperseded            Dated: 22nd February 1993            Preceded By: Not Given            Licence:            Superseded By: S/106            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Northants Cat. A1 -Solid Inert (Soils)            Northants Cat. A2 -Sol.Inert (Inc.Dem)            Prohibited Waste: Waste N.O.S.</p>	D2SW (SE)	665	2	476200 255500
25	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: Tarmac Construction            Licence Reference: S/042            Site Location: Courteenhall Grange Farm, Northampton, Northamptonshire            Licence Easting: 475900            Licence Northing: 255700            Operator Location: M1 Site Off Junction 16, Upper Heywood, Northampton, Northamptonshire            Authority: Environment Agency - Anglian Region, Northern Area            Site Category: Landfill            Max Input Rate: Undefined            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st May 1986            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Northants/Lincs Cat. A -Sol.Inert *            Prohibited Waste: Asbestos            Northants Cat. C -Sol. Putres./Dom. *            Northants/Lincs Cat. B -Sol.Semiinert*</p>	D1NE (NW)	669	2	475900 255700



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Upper Lias	D1SE (S)	0	5	475952 255410
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SE (E)	0	6	475986 255651
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	D1SE (E)	206	6	476000 255651
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	D5SW (NW)	472	6	475716 256000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	D2NW (NE)	627	6	476190 255850
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	D5SE (N)	756	6	475903 256000
	<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: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	D2SW (SE)	782	6	476466 255402

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	D5SE (N)	865	6	475873 256043
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	D1NE (NW)	909	6	475845 255975
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	D5SE (N)	960	6	475986 256000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	D5SE (N)	985	6	476000 256000
26	<b>BGS Recorded Mineral Sites</b> Site Name: Wootton Location: A508 (Southbound), Collingtree, Northampton, Northamptonshire, Nn4 0ly Source: British Geological Survey, National Geoscience Information Service Reference: 3394 Type: Opencast <b>Status: Ceased</b> Operator: Sandspiners Ltd Operator Location: Sandspiners Ltd, Courteenhall Grange, Collingtree, Northamptonshire, Nn4 0ly Periodic Type: Quaternary Geology: Glaciofluvial Sand And Gravel Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 100m	D2SW (SE)	665	5	476200 255500
27	<b>BGS Recorded Mineral Sites</b> Site Name: Collingtree Sand Pits Location: , Collingtree, Northampton, Northamptonshire Source: British Geological Survey, National Geoscience Information Service Reference: 139756 Type: Opencast <b>Status: Ceased</b> Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Mid Pleistocene Commodity: Sand Positional Accuracy: Located by supplier to within 10m	D1NE (N)	722	5	475954 255737
	<b>BGS Measured Urban Soil Chemistry</b> No data available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Urban Soil Chemistry Averages</b> Source: British Geological Survey, National Geoscience Information Service Sample Area: Northampton Count Id: 275 Arsenic Minimum Concentration: 8.00 mg/kg Arsenic Average Concentration: 34.00 mg/kg Arsenic Maximum Concentration: 107.00 mg/kg Cadmium Minimum Concentration: 0.30 mg/kg Cadmium Average Concentration: 0.90 mg/kg Cadmium Maximum Concentration: 134.10 mg/kg Chromium Minimum Concentration: 53.00 mg/kg Chromium Average Concentration: 129.00 mg/kg Chromium Maximum Concentration: 4304.00 mg/kg Lead Minimum Concentration: 25.00 mg/kg Lead Average Concentration: 82.00 mg/kg Lead Maximum Concentration: 655.00 mg/kg Nickel Minimum Concentration: 6.00 mg/kg Nickel Average Concentration: 30.00 mg/kg Nickel Maximum Concentration: 76.00 mg/kg	D1NE (N)	101	5	475986 255701
	<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> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SE (E)	0	5	475986 255651
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SE (E)	0	5	475986 255651
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SE (E)	0	5	475986 255651
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SE (E)	0	5	475986 255651
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SE (E)	0	5	475986 255651
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SE (E)	0	5	475986 255651
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D1SE (E)	0	5	475986 255651
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	D1SE (E)	0	5	475986 255651

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	<b>Contemporary Trade Directory Entries</b> Name: Save Service Station Location: London Rd, Collingtree, Northampton, Northamptonshir, NN4 0LY Classification: Petrol Filling Stations <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	D1SW (W)	582	-	475816 255632
28	<b>Contemporary Trade Directory Entries</b> Name: Kartik Location: London Rd, Northampton, Northamptonshire, NN4 0LY Classification: Petrol Filling Stations <b>Status: Active</b> Positional Accuracy: Manually positioned within the geographical locality	D1SE (W)	587	-	475844 255631
28	<b>Contemporary Trade Directory Entries</b> Name: Grange Farm Auto Point Location: London Road, Collingtree, Northampton, Northamptonshire, NN4 0LY Classification: Petrol Filling Stations - 24 Hour <b>Status: Inactive</b> Positional Accuracy: Automatically positioned to the address	D1SE (W)	587	-	475844 255631
29	<b>Contemporary Trade Directory Entries</b> Name: Viridor Waste Management Ltd Location: A508 Southbound, Collingtree, Northampton, Northants, NN4 0LY Classification: Waste Disposal Services <b>Status: Inactive</b> Positional Accuracy: Manually positioned to the road within the address or location	D1NW (W)	644	-	475812 255696
30	<b>Fuel Station Entries</b> Name: Grange Farm Service Station Location: Grange Farm Service Station, London Road, Northampton, NN4 0LY Brand: Bp Premises Type: Petrol Station <b>Status: Open</b> Positional Accuracy: Automatically positioned to the address	D1SE (W)	588	-	475844 255631

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	D1SE (E)	0	7	475986 255651

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> South Northamptonshire Council - Environment Division Northampton Borough Council - Environmental Health Department	August 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> South Northamptonshire Council - Environmental Health Department Northampton Borough Council - Environmental Health Department	April 2013 February 2013	Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - Anglian Region	September 1999	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - Anglian Region	March 2013	As notified
<b>Registered Radioactive Substances</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Water Abstractions</b> Environment Agency - Anglian Region	July 2014	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - Anglian Region	May 2014	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 2011	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually













Agency & Hydrological	Version	Update Cycle
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2014	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2014	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	Annually
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - Anglian Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - Anglian Region - Northern Area	July 2014	Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - Anglian Region - Northern Area	May 2014	Quarterly
<b>Local Authority Landfill Coverage</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Northampton Borough Council - Environmental Health Department Northamptonshire County Council South Northamptonshire Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - Anglian Region - Northern Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	March 2014	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	November 2013	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	April 2013 March 2013 November 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Northampton Borough Council - Planning Department South Northamptonshire Council Northamptonshire County Council	April 2013 March 2013 May 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	January 2010	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2014	Bi-Annually
<b>BGS Urban Soil Chemistry Averages</b> British Geological Survey - National Geoscience Information Service	June 2011	Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	December 2013	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2014	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



<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	May 2014	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	March 2014	Quarterly
<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Areas of Outstanding Natural Beauty</b> Natural England	January 2014	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	July 2013	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>National Parks</b> Natural England	January 2014	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	July 2014	Annually
<b>Ramsar Sites</b> Natural England	March 2014	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	March 2014	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	March 2014	Bi-Annually
<b>Special Protection Areas</b> Natural England	March 2014	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	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Countryside Council for Wales	 <p>CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES</p>
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>South Northamptonshire Council - Environmental Health Department</b> Springfields, Towcester, Northamptonshire, NN12 6AE	Telephone: 0845 2300226 Fax: 01327 359219 Website: www.southnorthants.gov.uk
4	<b>Northampton Borough Council - Environmental Health Department</b> Cliftonville House, Bedford Road, Northampton, Northamptonshire, NN4 7NR	Telephone: 01604 238788 Fax: 01604 30503 Website: www.northampton.gov.uk
5	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
6	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
7	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
8	<b>Northamptonshire County Council</b> County Hall, Northampton, Northamptonshire, NN1 1DN	Telephone: 01604 236236 Website: www.northamptonshire.gov.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 / SEPA have a charging policy in place for enquiries.

## Geology 1:50,000 Maps Legends







### Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene

### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	ODT	Oadby Member	Diamicton	Anglian - Anglian
	GFDMP	Glaciofluvial Deposits, Mid Pleistocene	Sand and Gravel	Ipswichian - Cromerian
	GLLMP	Glaciolacustrine Deposits, Mid Pleistocene	Clay and Silt	Ipswichian - Cromerian
	TUFA	Tufa	Tufa, Calcareous	Quaternary - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	BWL	Blisworth Limestone Formation	Limestone	Bathonian - Bathonian
	WBRO	Wellingborough Limestone Member	Limestone	Bathonian - Bathonian
	BWC	Blisworth Clay Formation	Mudstone	Bathonian - Bathonian
	WBRO	Wellingborough Limestone Member	Limestone and Mudstone, Interbedded	Bathonian - Bathonian
	STAM	Stamford Member	Sandstone and Siltstone, Interbedded	Bathonian - Bajocian
	RLD	Rutland Formation	Mudstone	Bathonian - Bajocian
	NS	Northampton Sand Formation	Ironstone, Ooidal	Aalenian - Aalenian
	WHM	Whitby Mudstone Formation	Mudstone	Toarcian - Toarcian
		Faults		



### Geology 1:50,000 Maps

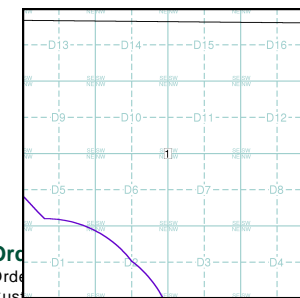
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	202
Map Name:	Towcester
Map Date:	1965
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

### Geology 1:50,000 Maps - Slice D



Order

Order

Customer Reference: 072000

National Grid Reference: 475990, 255650

Slice: D

Site Area (Ha): 172.72

Search Buffer (m): 1000

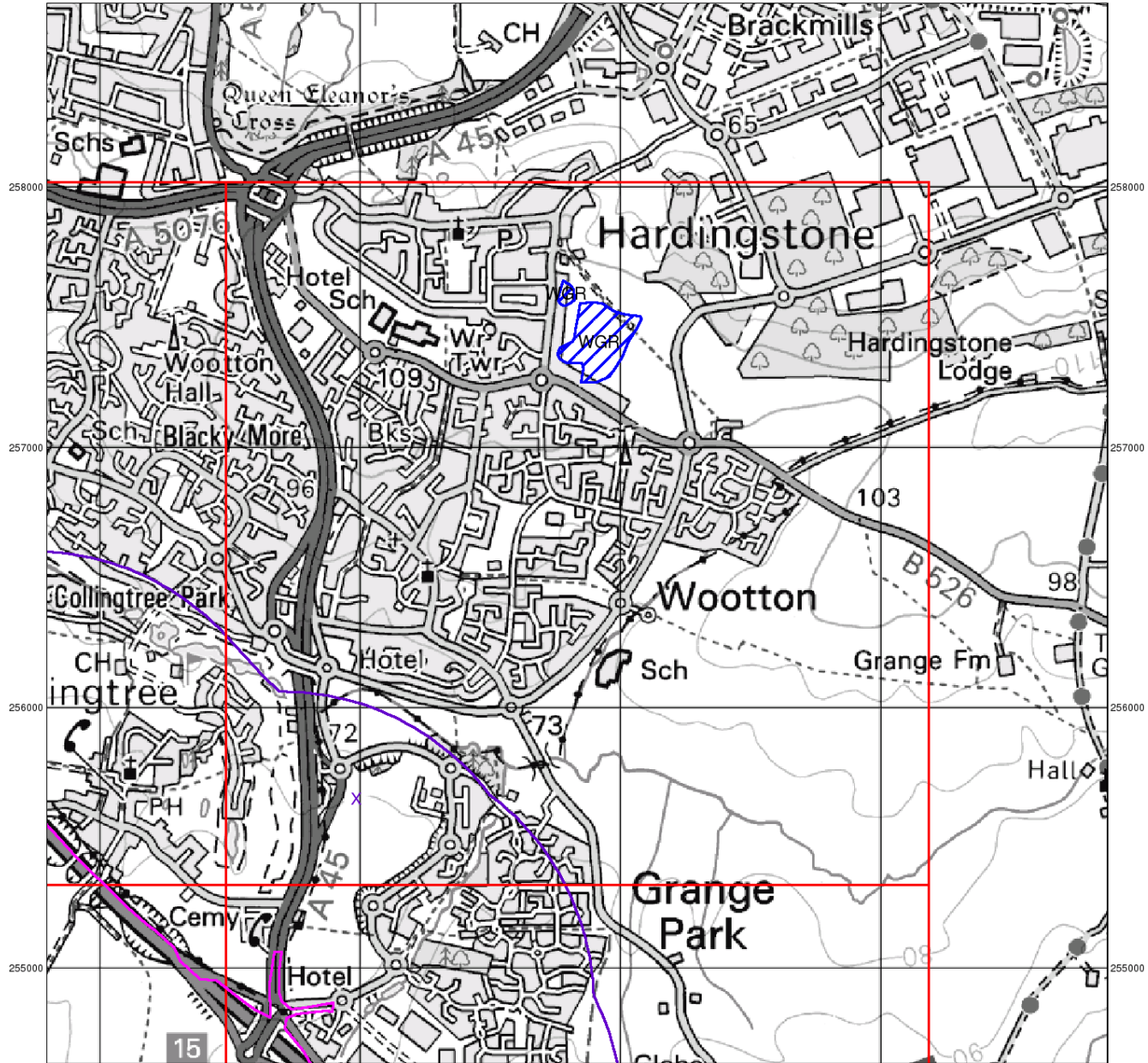
### Site Details:

M1 Junction 15, NORTHAMPTON



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

475000 476000 477000 478000



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**Artificial Ground and Landslip**

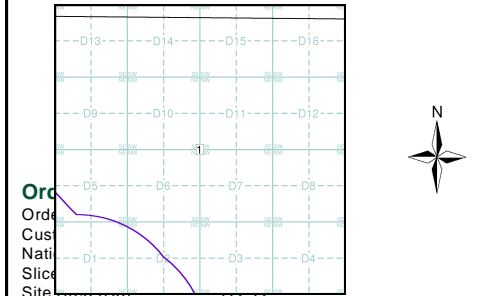
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

**Artificial Ground and Landslip Map - Slice D**



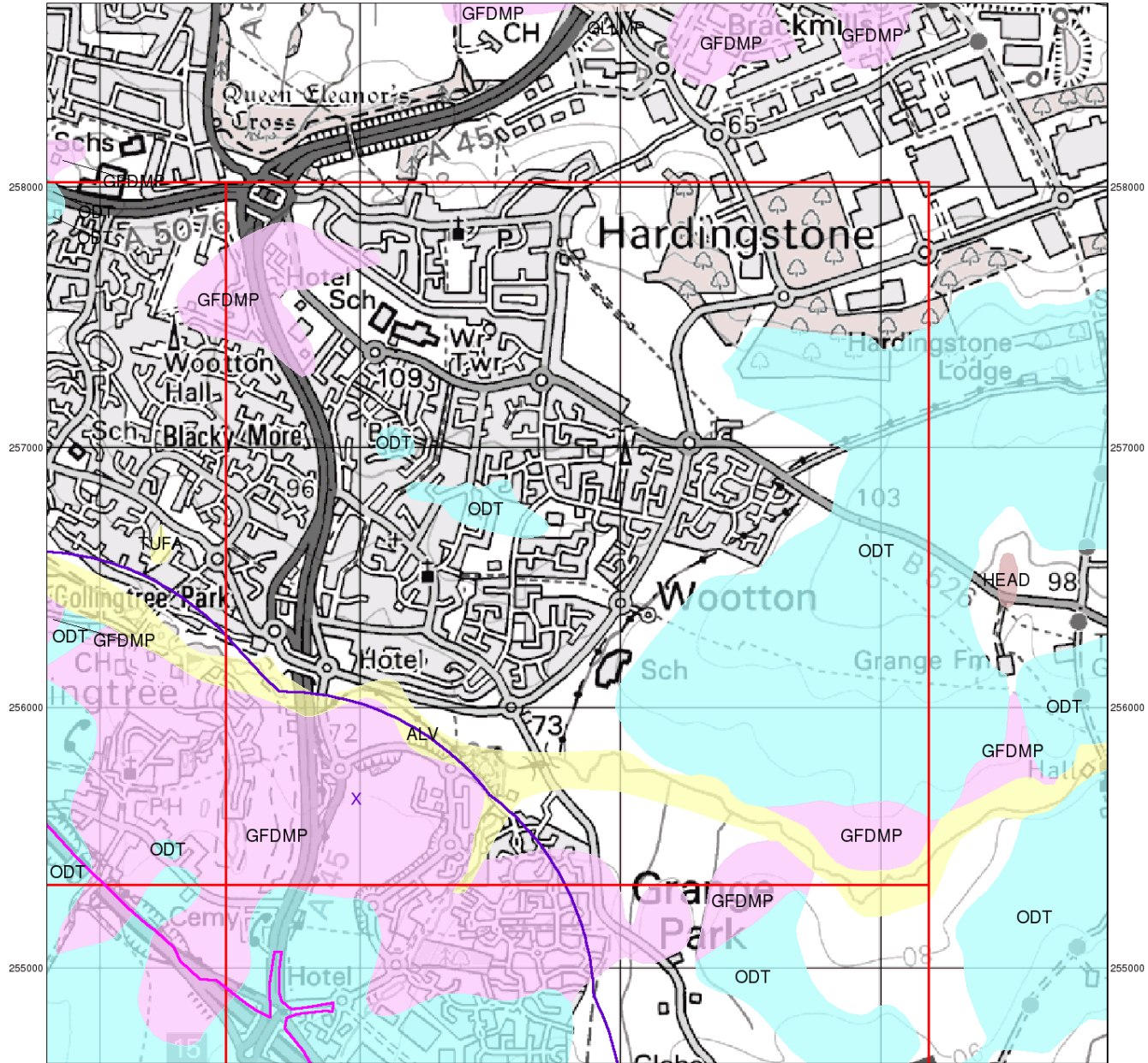
Search Buffer (m): 1000

**Site Details:**  
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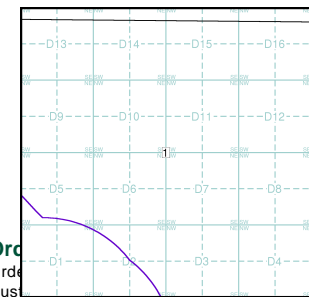
**Superficial Geology**

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

**Superficial Geology Map - Slice D**



Order  
Order  
Customer

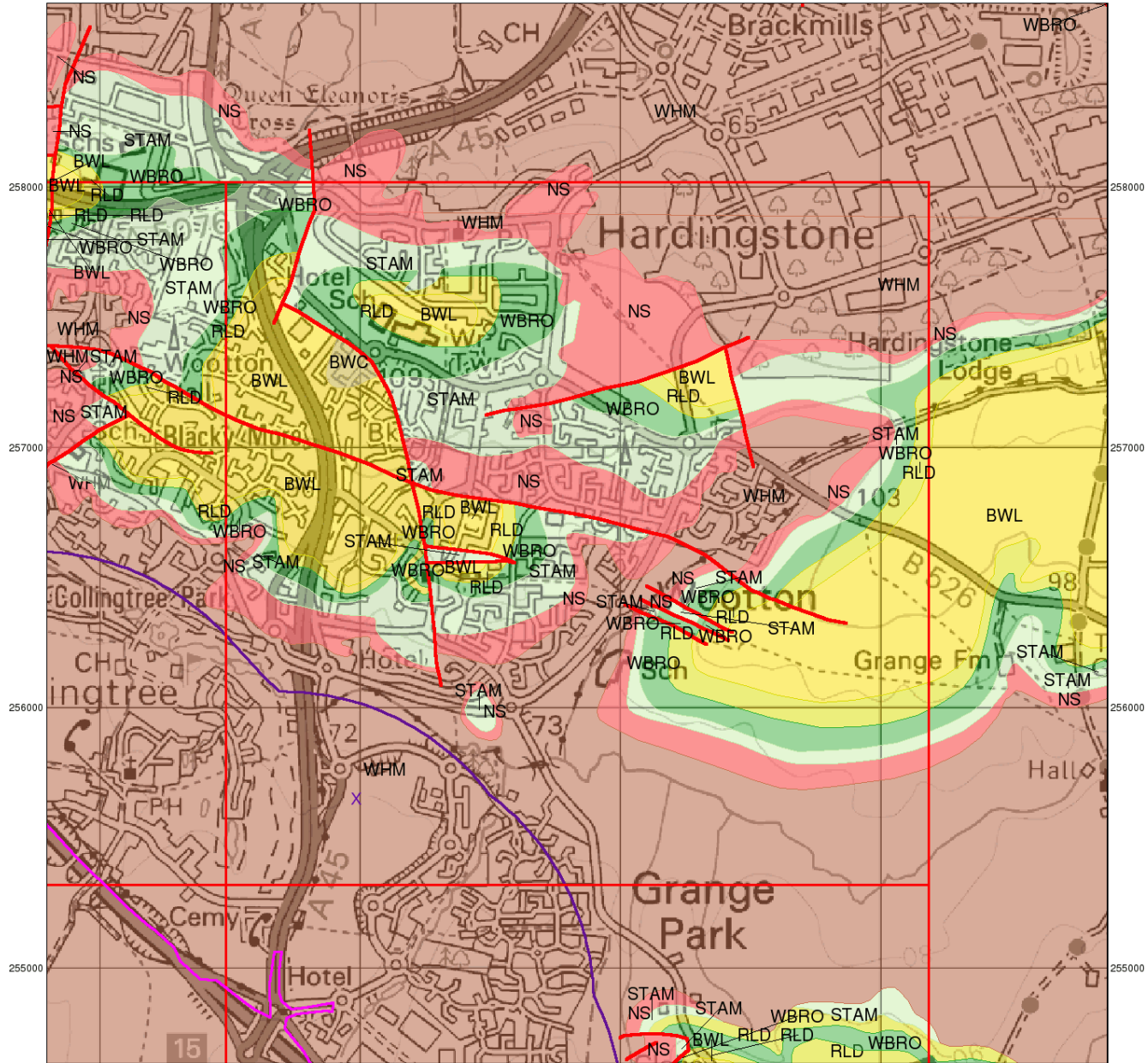
National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details:**  
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### Bedrock and Faults

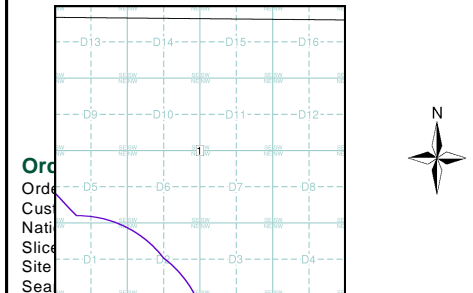
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

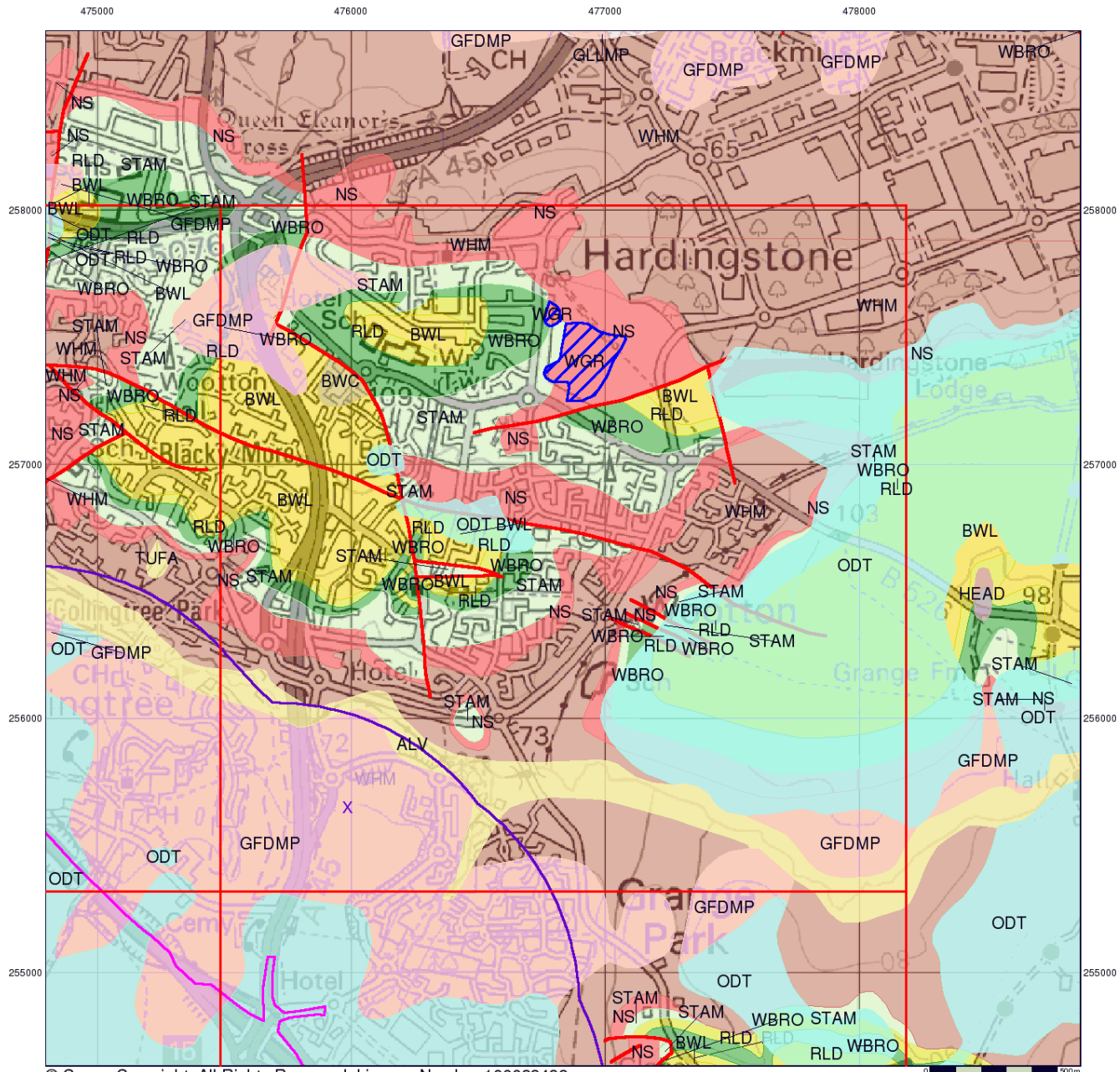
The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice D



**Site Details:**  
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### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

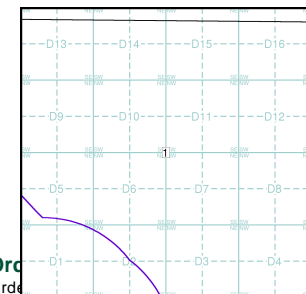
### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
 Kingsley Dunham Centre  
 Keyworth  
 Nottingham  
 NG12 5GG  
 Telephone: 0115 936 3143  
 Fax: 0115 936 3276  
 email: enquiries@bgs.ac.uk  
 website: www.bgs.ac.uk

### Combined Geology Map - Slice D



Order

Customer Reference: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details:

M1 Junction 15, NORTHAMPTON



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



# 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

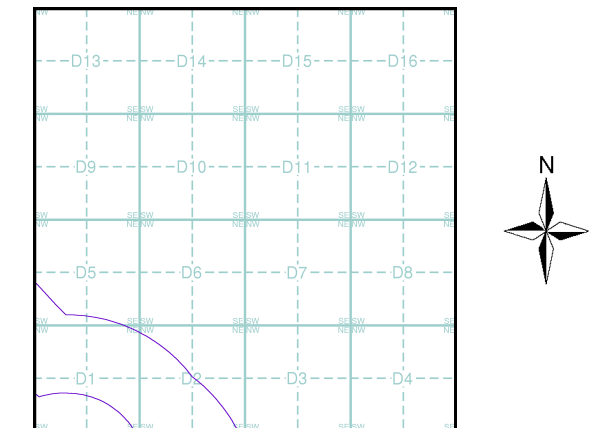
## 1:10,000 Raster Mapping

	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

## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:10,560	1884 - 1885	3
Buckinghamshire	1:10,560	1885	4
Northamptonshire	1:10,560	1901	5
Northamptonshire	1:10,560	1927	6
Northamptonshire	1:10,560	1938 - 1952	7
Historical Aerial Photography	1:10,560	1947	8
Northamptonshire	1:10,560	1952	9
Ordnance Survey Plan	1:10,000	1958	10
Ordnance Survey Plan	1:10,000	1965	11
Ordnance Survey Plan	1:10,000	1968	12
Northampton	1:10,000	1979	13
Ordnance Survey Plan	1:10,000	1983	14
Ordnance Survey Plan	1:10,000	1992	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2014	17

## Historical Map - Slice D



## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

## Site Details

M1 Junction 15, NORTHAMPTON

# Russian Military Mapping Legends

## 1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

	Government and Administrative Buildings		Military and Industrial Buildings
	Military and Communication Areas		Subway Entrance
	Fireproof Building		Prominent Fireproof Building
	Non-fireproof Building		Non-fireproof Building (non-dwelling)
	Factory, mill, and flour mill, with chimneys		Factory, mill, and flour mill, without chimneys
	Power Station, drawn to scale		Hydroelectric Power Station
	Radio Station, drawn to scale		Telephone Station, drawn to scale
	Abandoned Open-pit Mine or Quarry		Open-pit Salt Mine
	Pit		Oil Deposit or Well
	Oil Seepage		Natural Gas Tank
	Tailings Pile		Fuel Storage Tanks
	Bench Mark		Drill Hole
	Burial Mound		Triangulation Point on Burial Mound
	Single-track Railroad		Double-track Railroad
	Small Bridge		Tunnel
	Pipe (Culvert)		Railroad and Station Building
	Coniferous Forest		Deciduous Forest
	Mixed Forest		Lawns
	Citrus Orchard		Wet Ground
	Scattered Vegetation		

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

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

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

## 1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

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

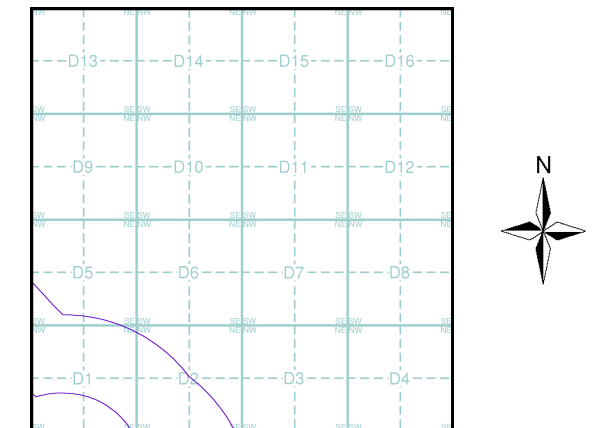
## Key to Numbers on Mapping



### Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Northamptonshire	1:10,560	1884 - 1885	3
Buckinghamshire	1:10,560	1885	4
Northamptonshire	1:10,560	1901	5
Northamptonshire	1:10,560	1927	6
Northamptonshire	1:10,560	1938 - 1952	7
Historical Aerial Photography	1:10,560	1947	8
Northamptonshire	1:10,560	1952	9
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Northampton	1:10,000	1979	13
Ordnance Survey Plan	1:10,000	1983	14
Ordnance Survey Plan	1:10,000	1992	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2014	17

### Russian Map - Slice D



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
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 Site Area (Ha): 172.72  
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### Site Details

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

## Northamptonshire

Published 1884 - 1885

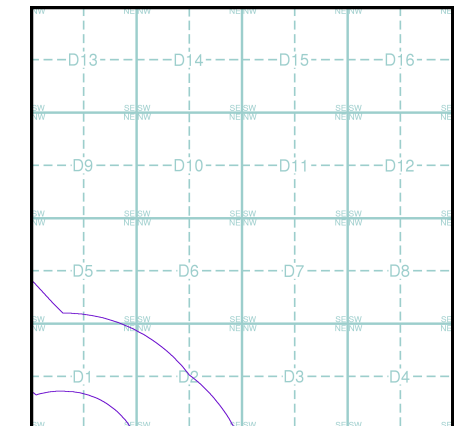
Source map scale - 1:10,560

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)

045SW 1885 1:10,560
052NW 1884 1:10,560

### Historical Map - Slice D

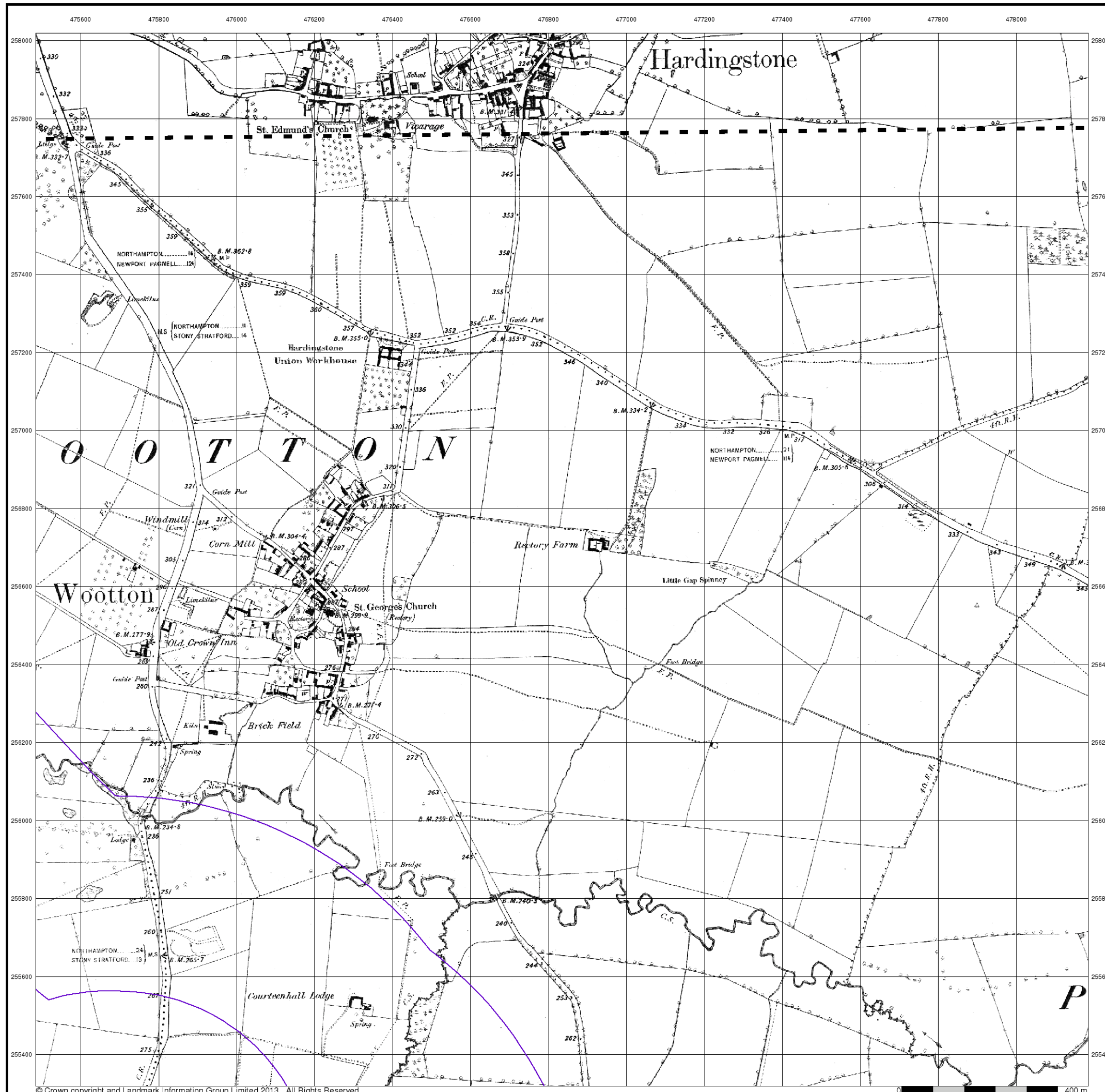


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



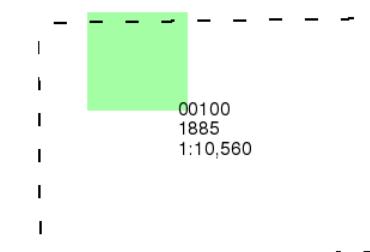
## Buckinghamshire

Published 1885

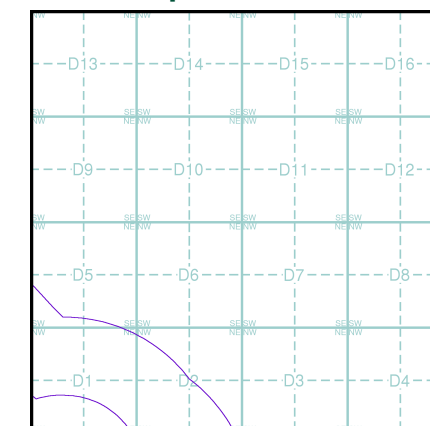
Source map scale - 1:10,560

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

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



### Historical Map - Slice D

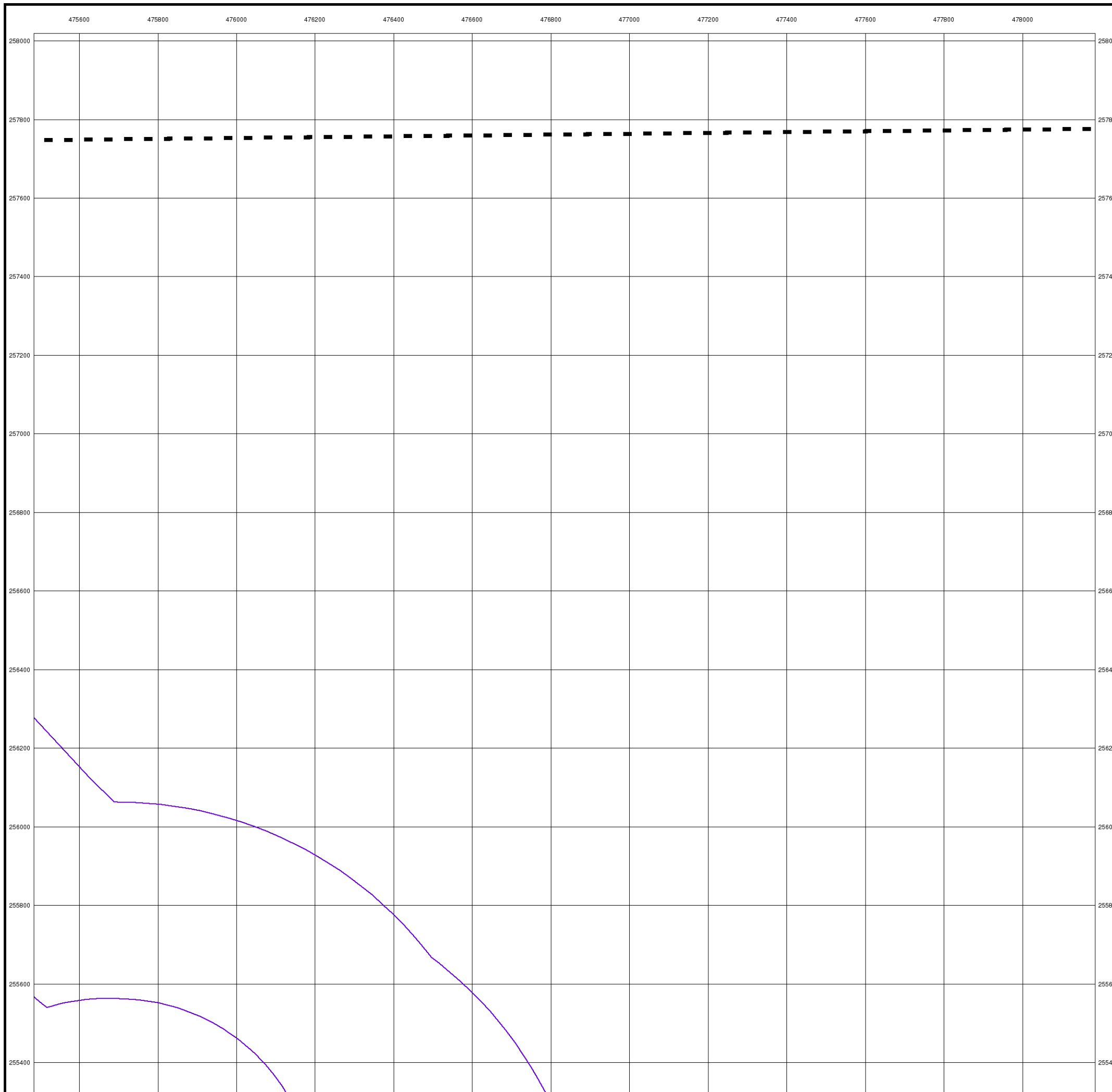


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1901

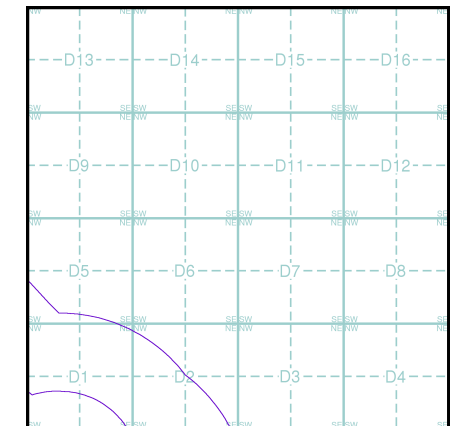
Source map scale - 1:10,560

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)

045SW
1901
1:10,560
052NW
1901
1:10,560

### Historical Map - Slice D

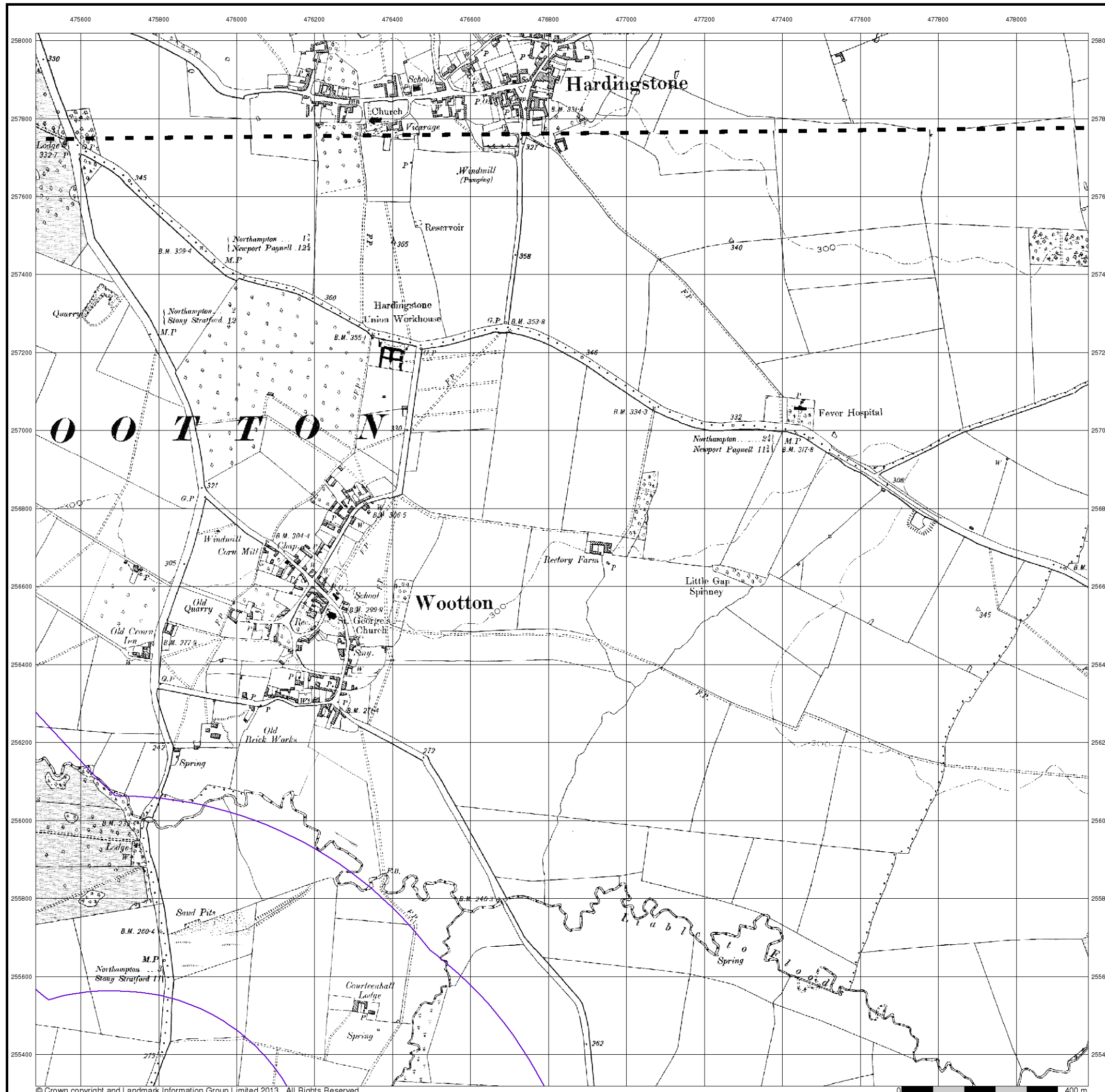


### Order Details

Order Number: 59121721\_1\_1  
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 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



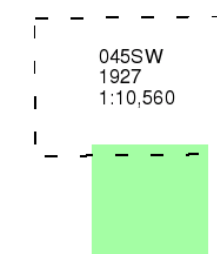
## Northamptonshire

Published 1927

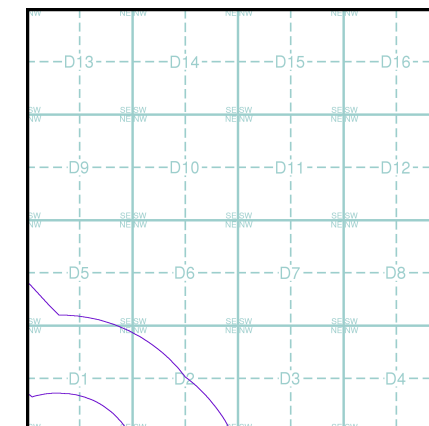
Source map scale - 1:10,560

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

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



### Historical Map - Slice D

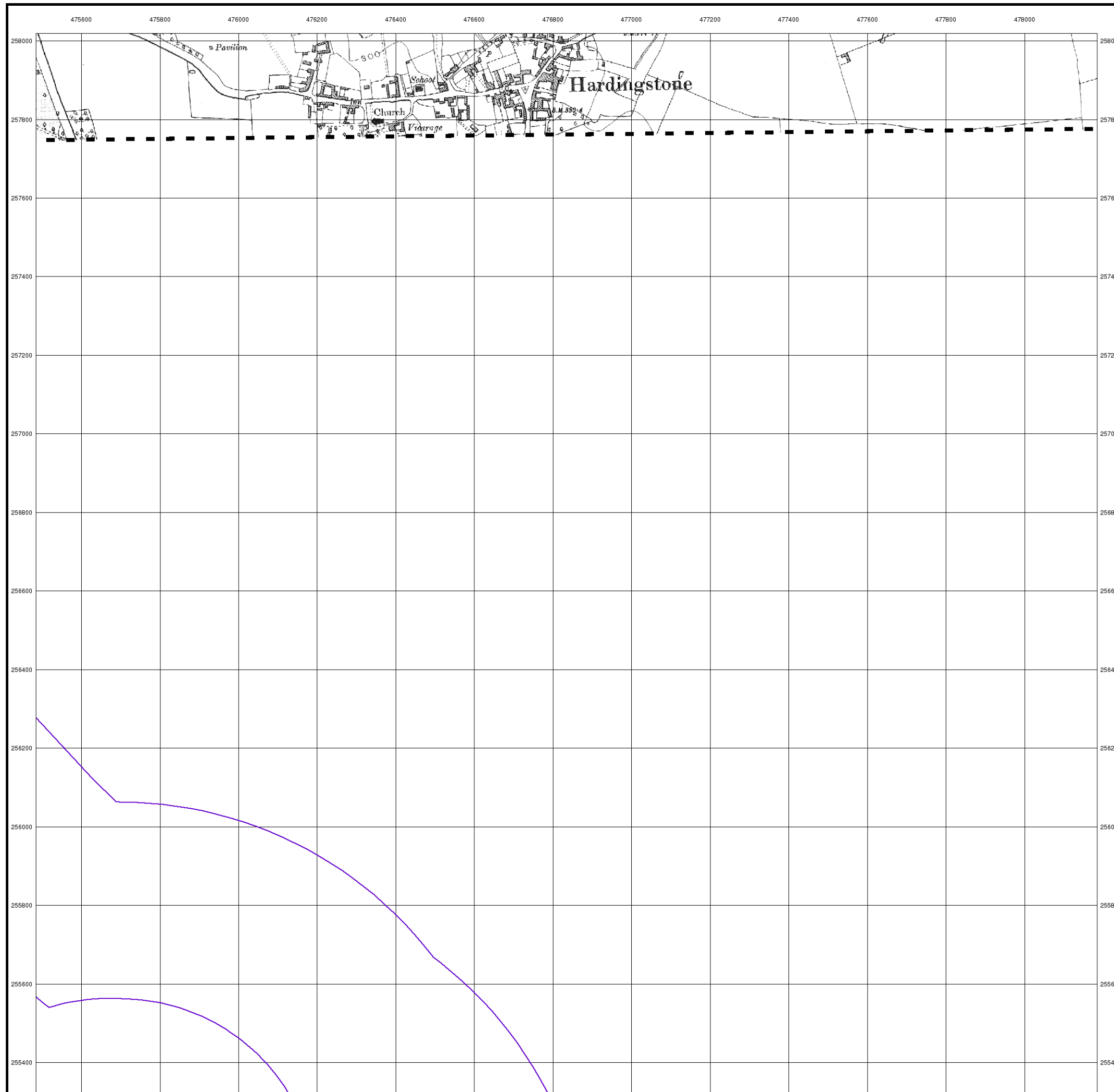


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Northamptonshire

Published 1938 - 1952

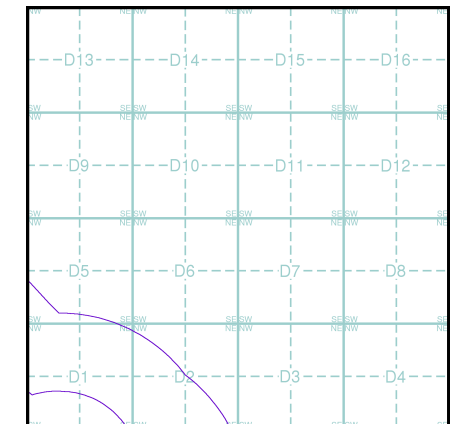
Source map scale - 1:10,560

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)

045SW
1938
1:10,560
052NW
1952
1:10,560

### Historical Map - Slice D

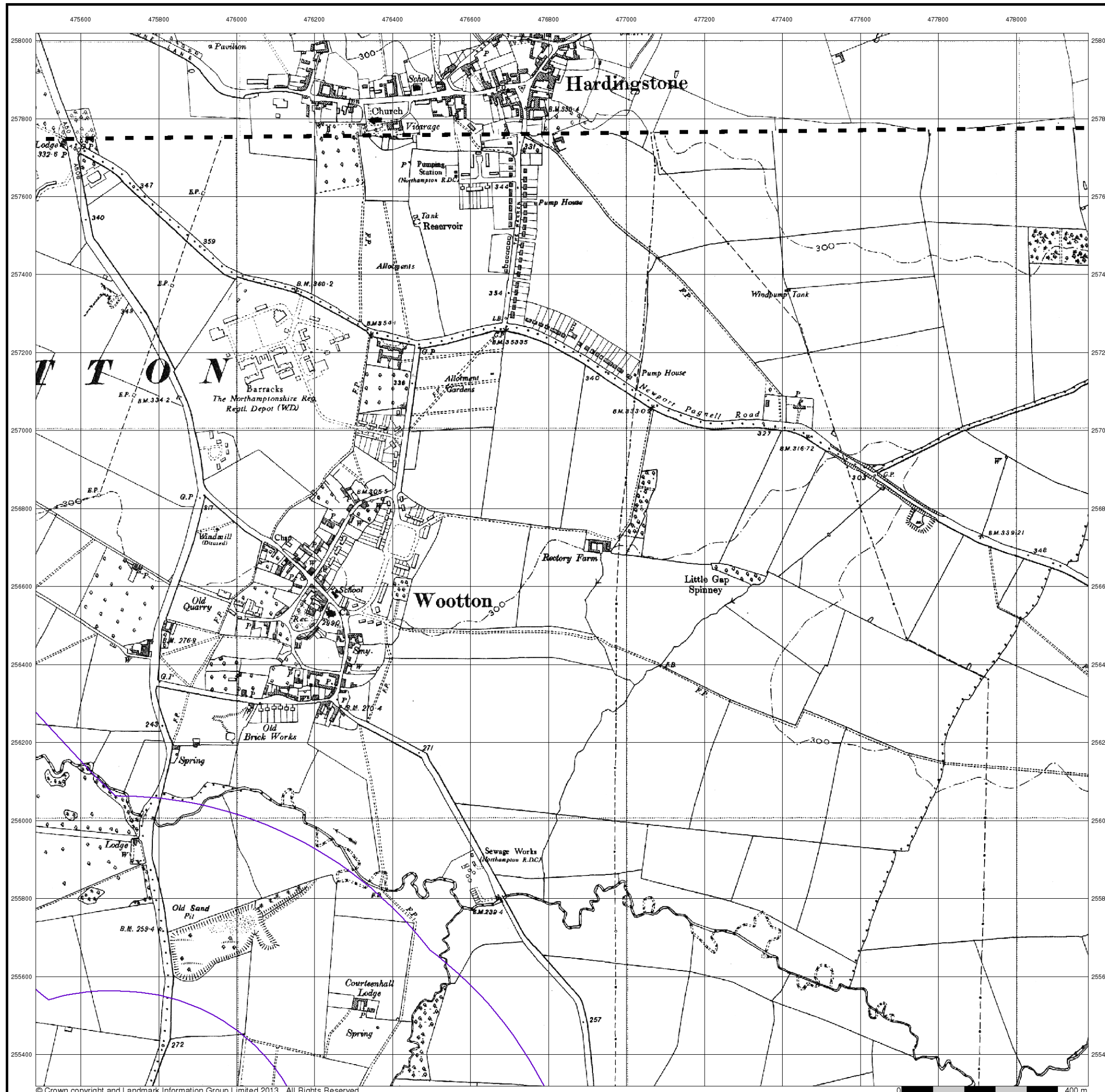


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Historical Aerial Photography

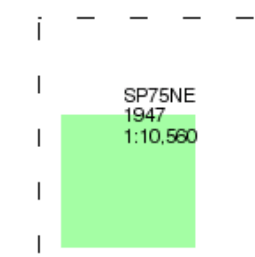
Published 1947

Source map scale - 1:10,560

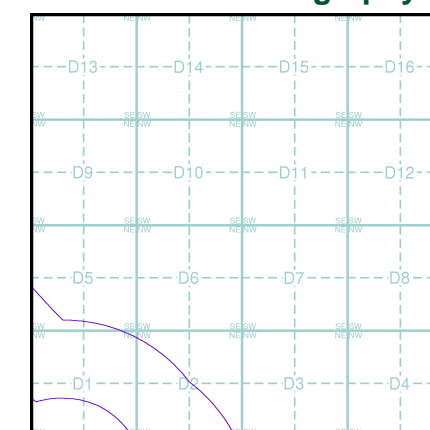
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the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

© Landmark Information Group and/or Data Suppliers 2010.

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



### Historical Aerial Photography - Slice D



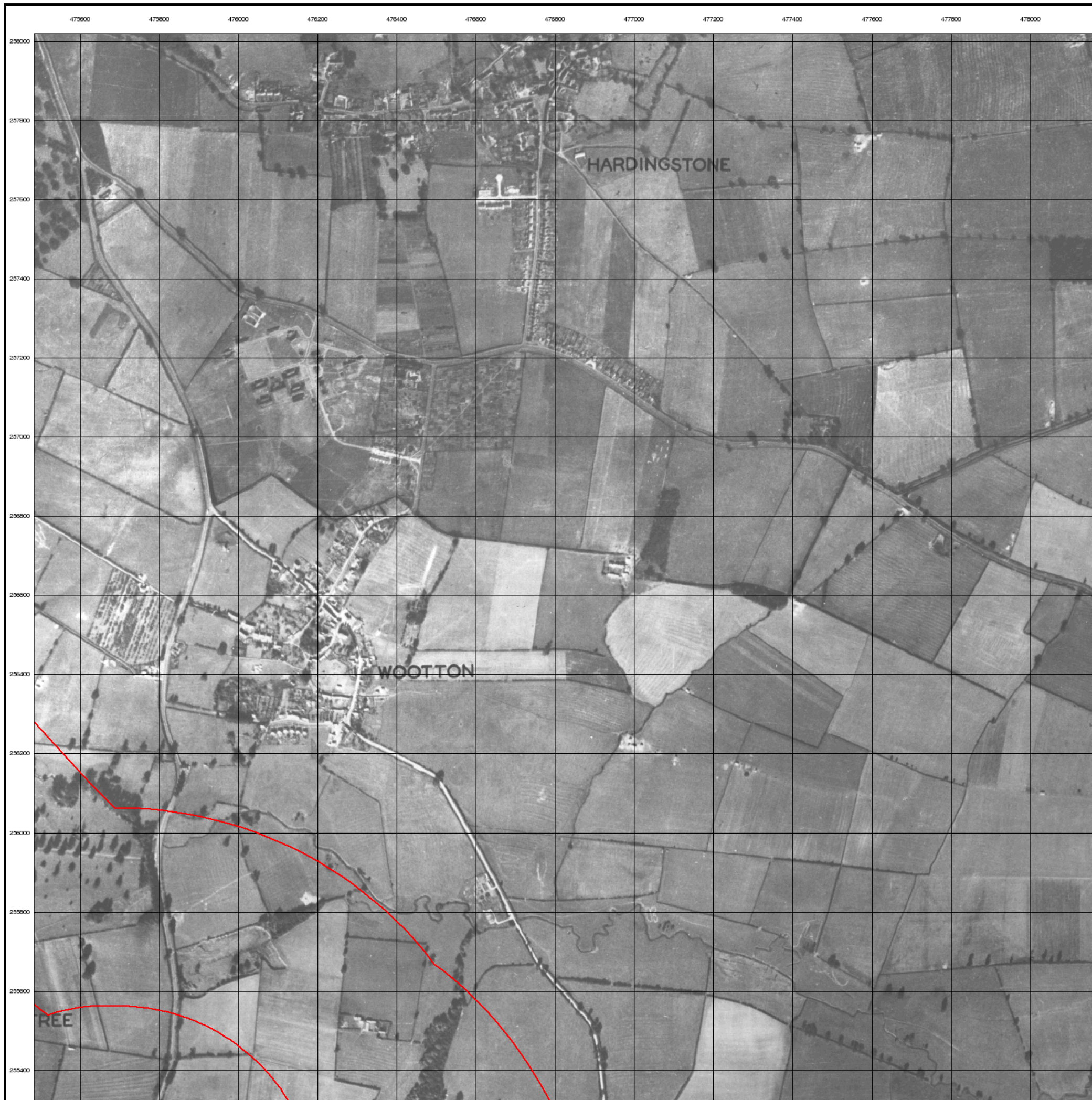
LIBRARY  
HSILIRB

### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON





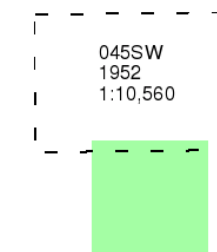
## Northamptonshire

Published 1952

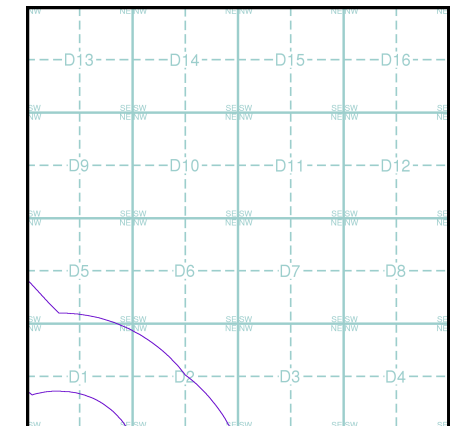
Source map scale - 1:10,560

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

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



### Historical Map - Slice D

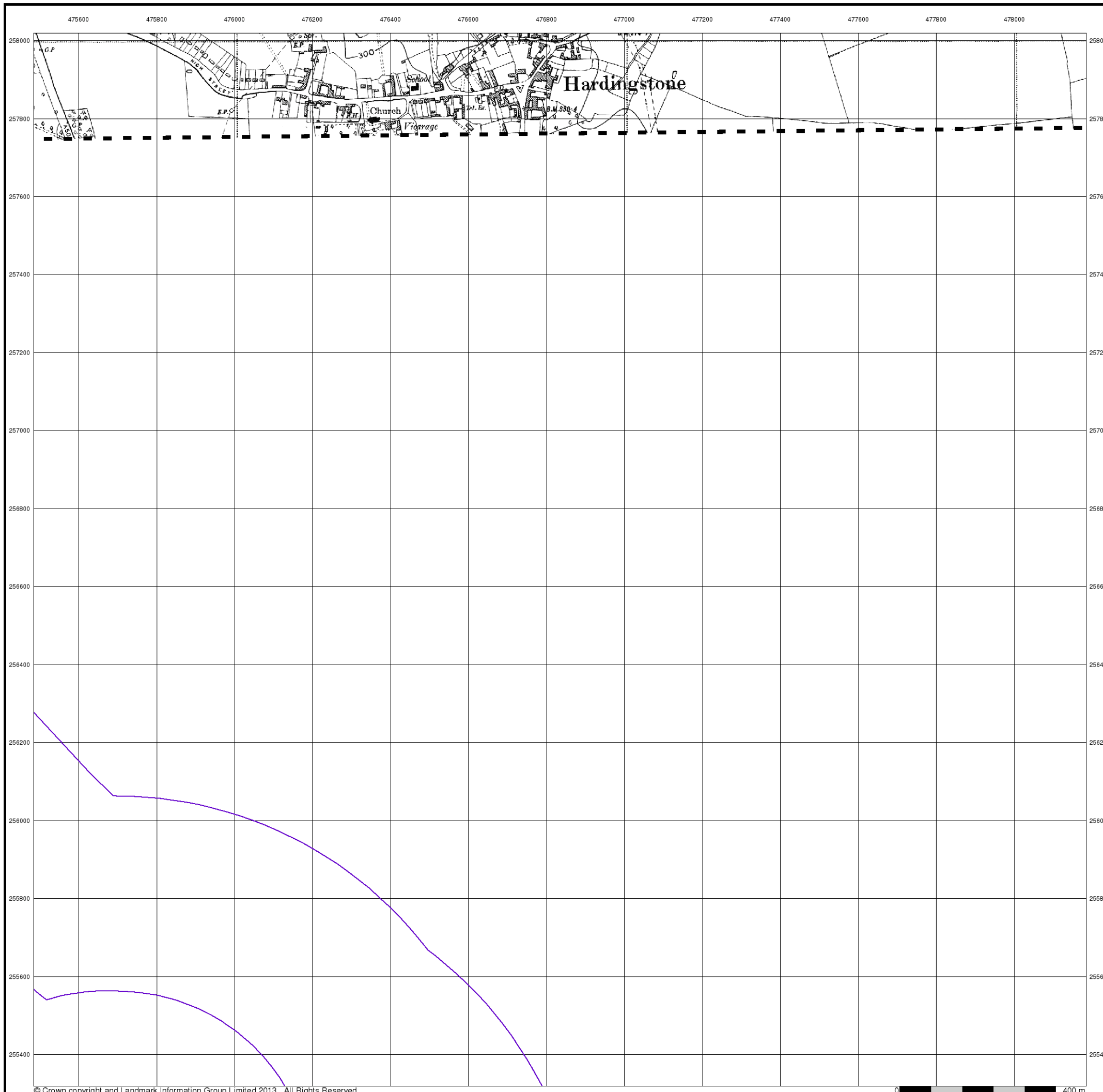


### Order Details

Order Number: 59121721\_1\_1  
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 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



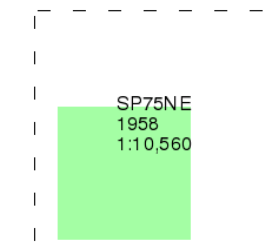
### Ordnance Survey Plan

Published 1958

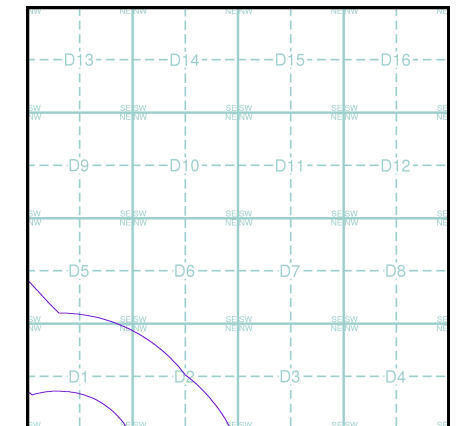
Source map scale - 1:10,000

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 D

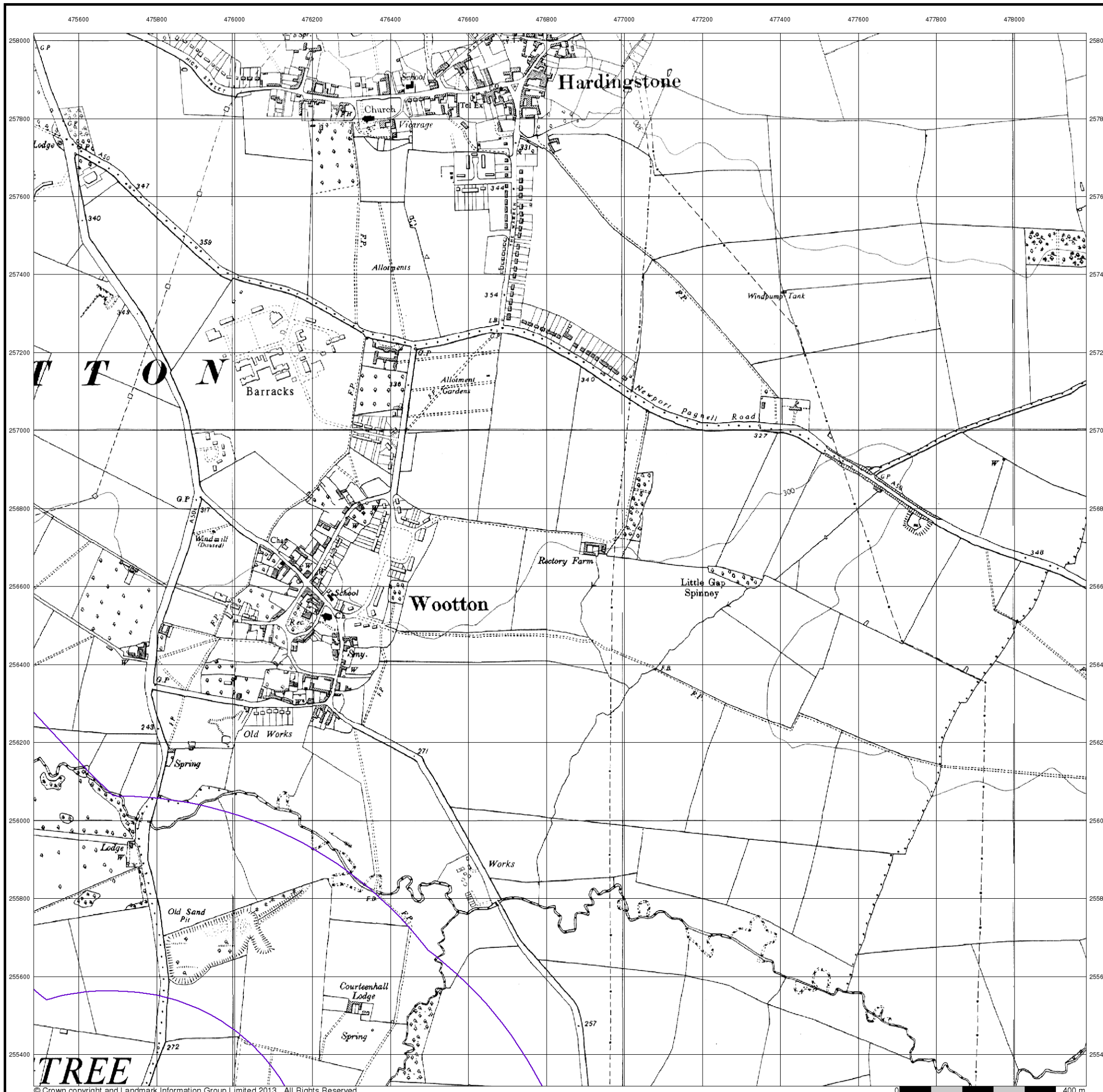


### Order Details

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 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



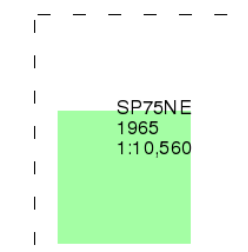
## Ordnance Survey Plan

Published 1965

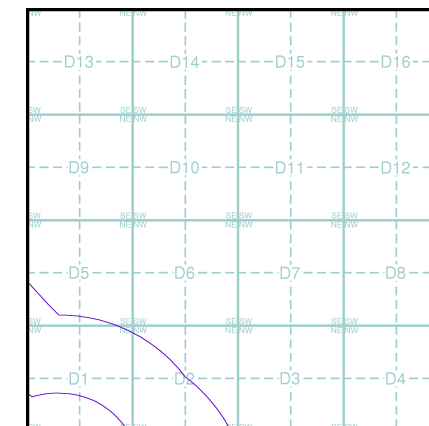
Source map scale - 1:10,000

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 D

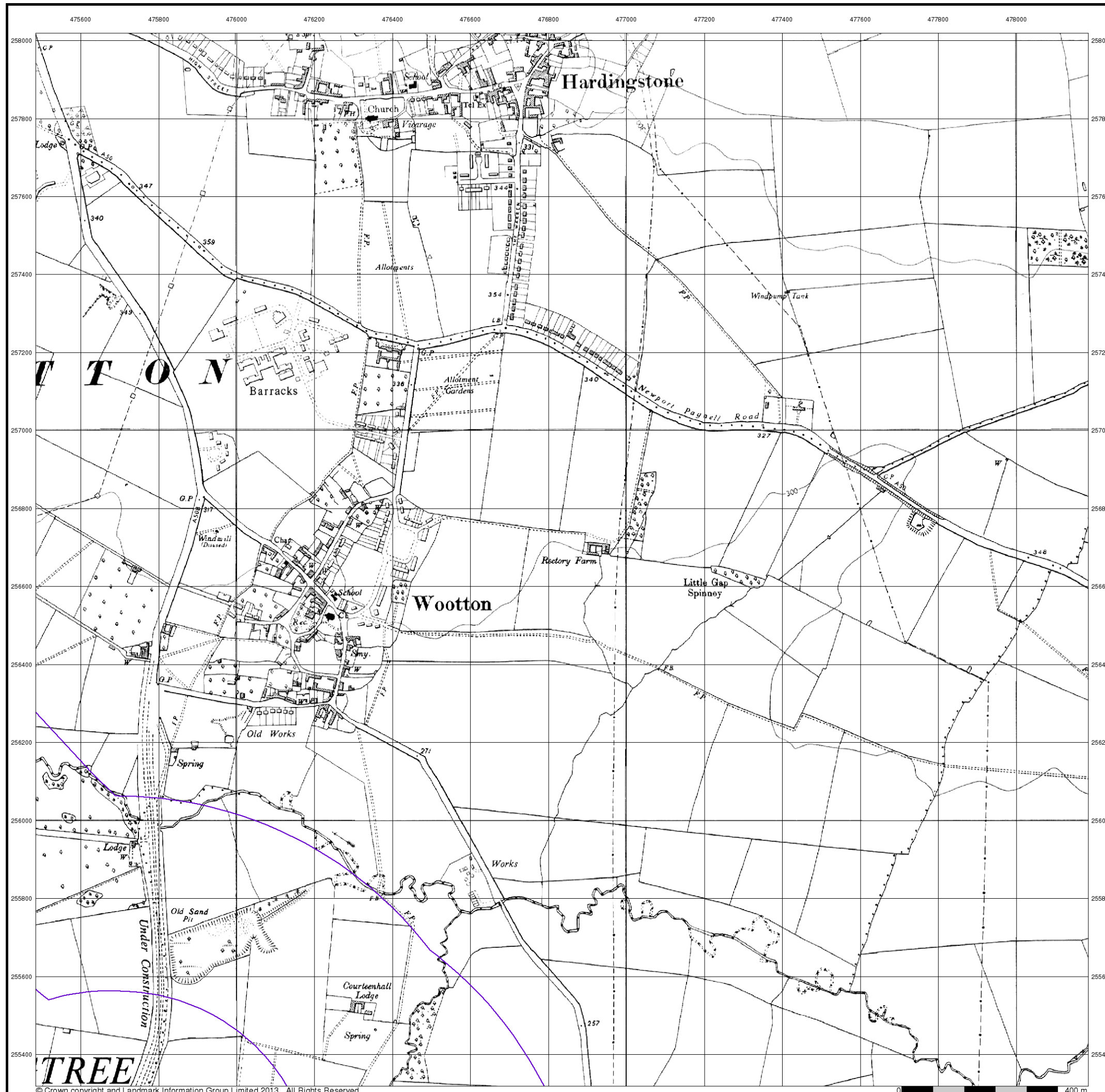


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 Slice: D  
 Site Area (Ha): 172.72  
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### Site Details

M1 Junction 15, NORTHAMPTON



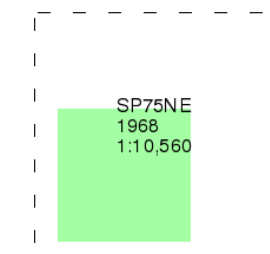
## Ordnance Survey Plan

Published 1968

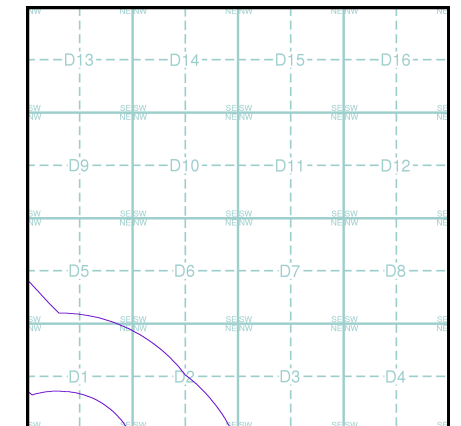
Source map scale - 1:10,000

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

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



### Historical Map - Slice D

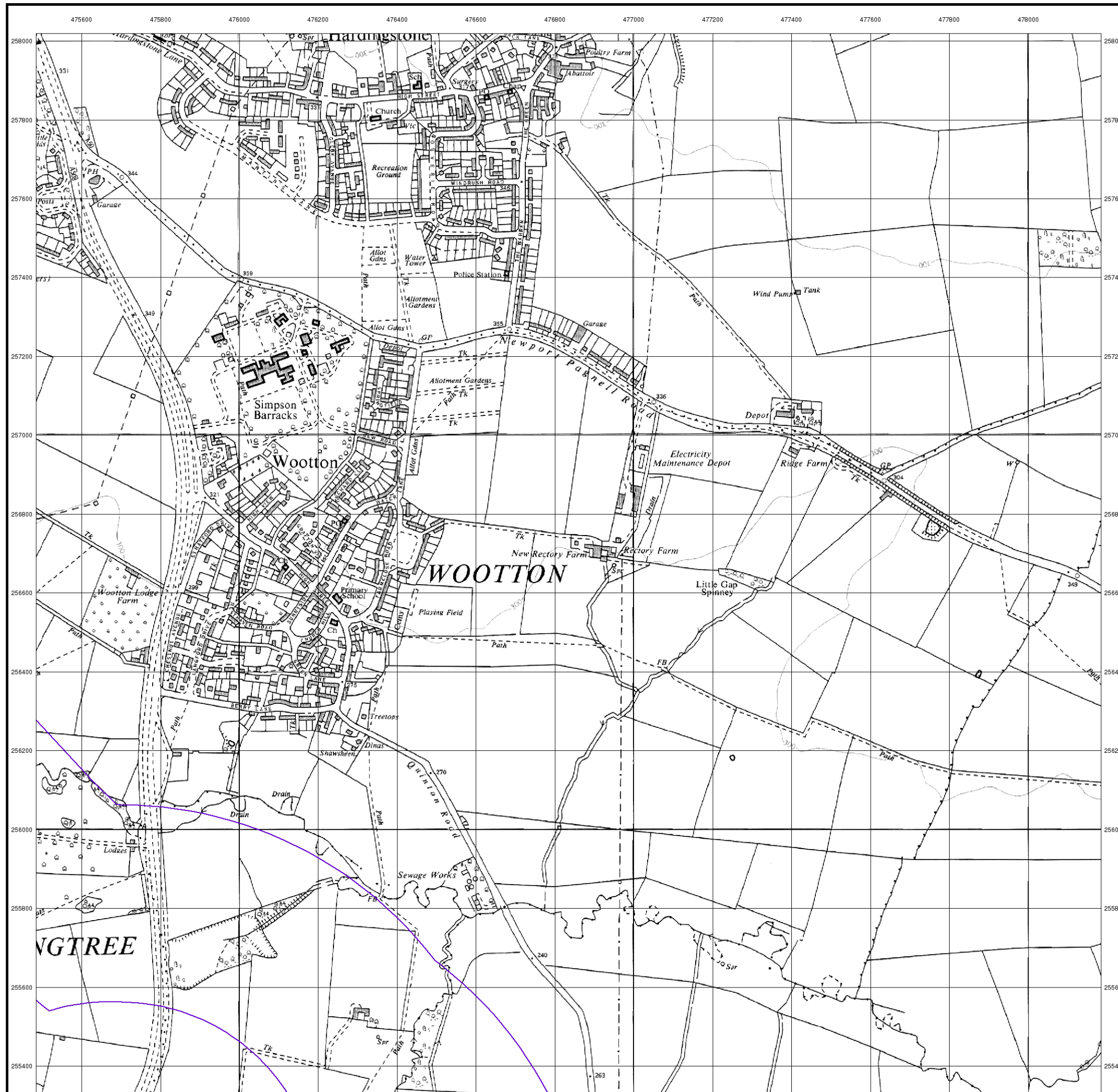


### Order Details

Order Number: 59121721\_1\_1  
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 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



## Northampton

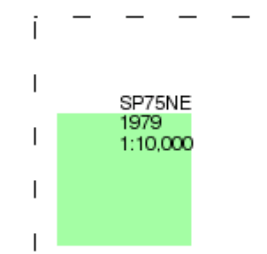
Published 1979

Source map scale - 1:10,000

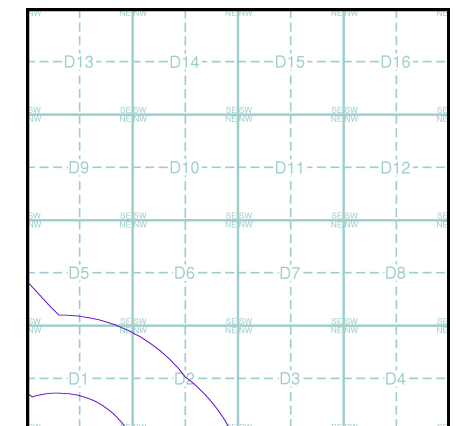
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

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



### Russian Map - Slice D

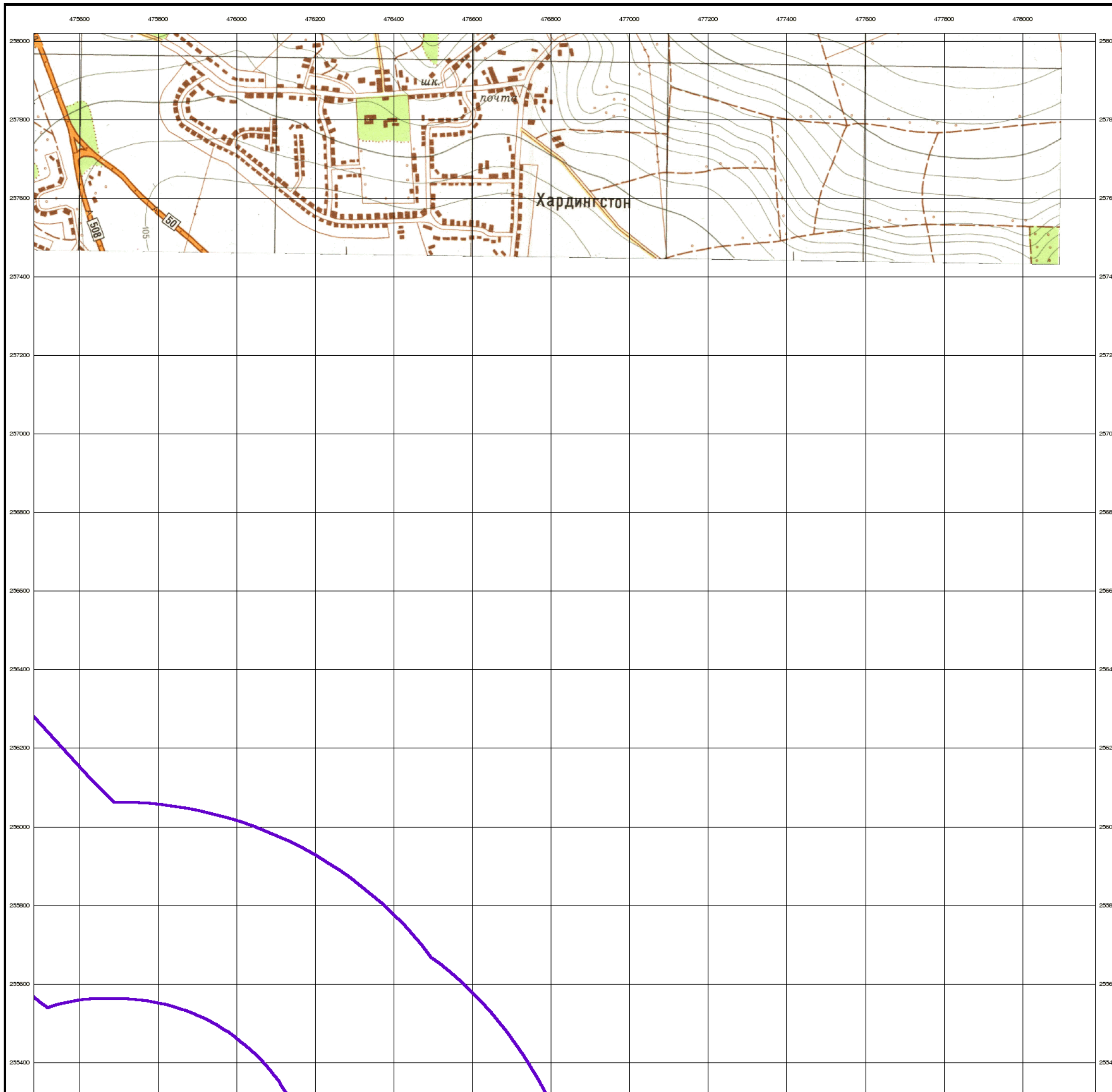


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Order Number: 59121721\_1\_1  
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 Site Area (Ha): 172.72  
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### Site Details

M1 Junction 15, NORTHAMPTON



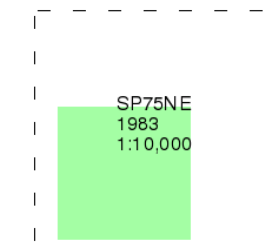
### Ordnance Survey Plan

Published 1983

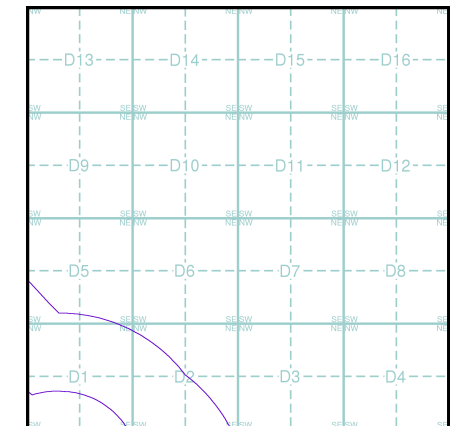
Source map scale - 1:10,000

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



### Historical Map - Slice D



### Order Details

Order Number: 59121721\_1\_1  
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 National Grid Reference: 475990, 255650  
 Slice: D  
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 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



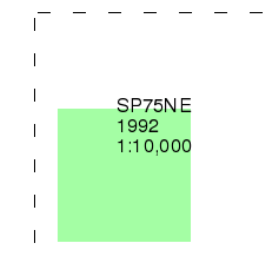
### Ordnance Survey Plan

Published 1992

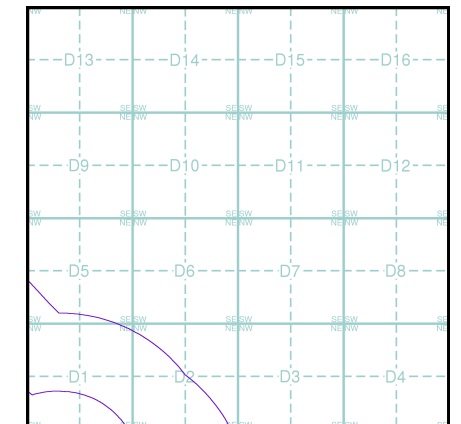
Source map scale - 1:10,000

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

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



### Historical Map - Slice D



### Order Details

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### Site Details

M1 Junction 15, NORTHAMPTON



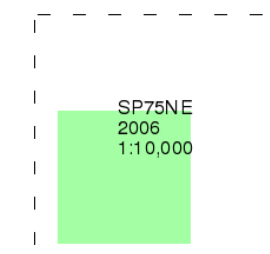
### 10k Raster Mapping

Published 2006

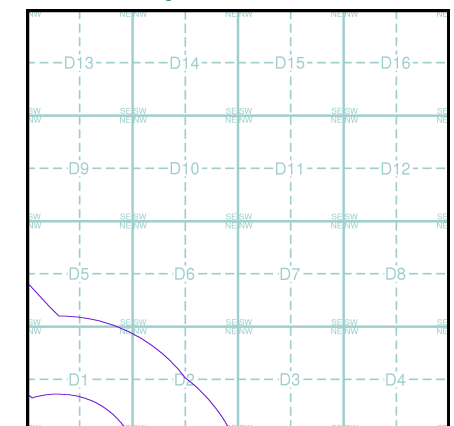
Source map scale - 1:10,000

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 D



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON





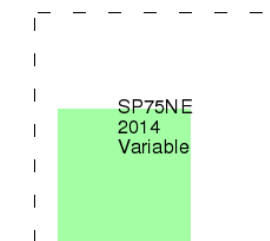
## VectorMap Local

Published 2014

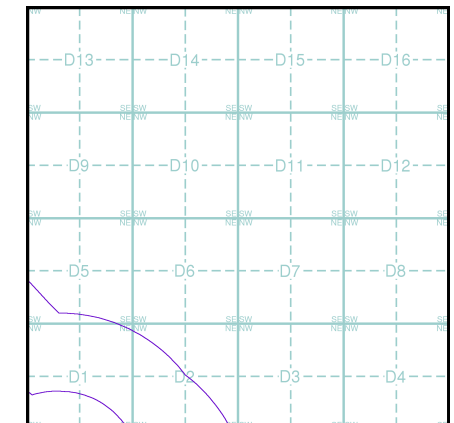
Source map scale - 1:10,000

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 D

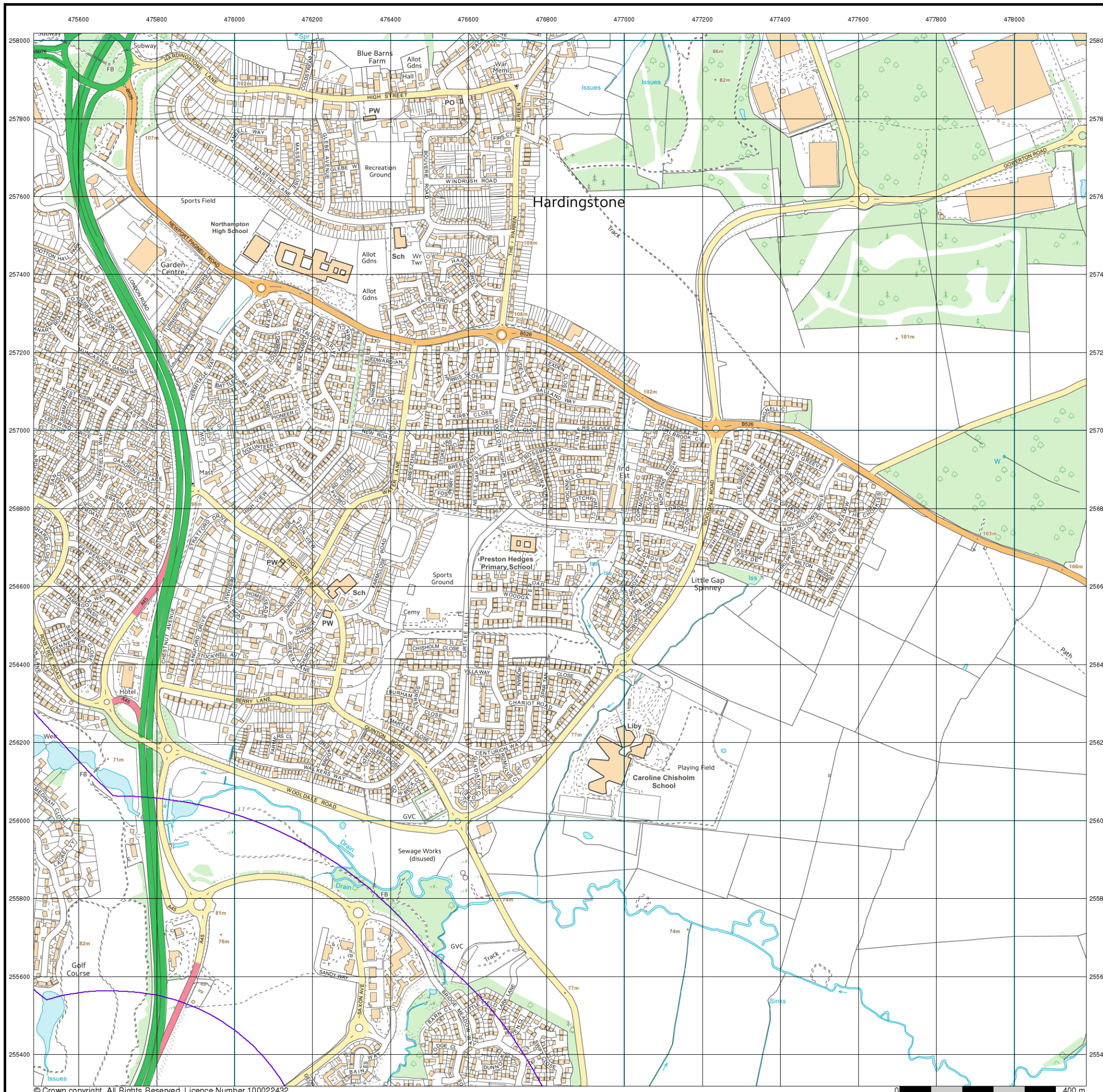


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

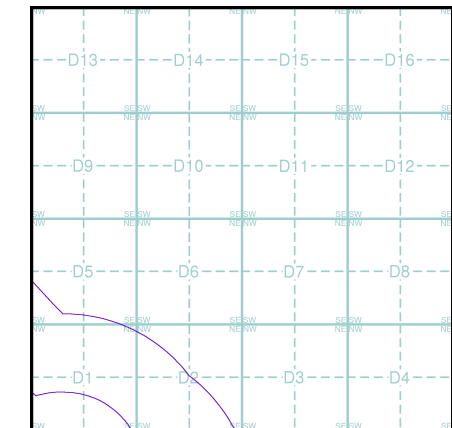
### Site Details

M1 Junction 15, NORTHAMPTON



- 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
- 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
  - 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
- Industrial Land Use**
- Contemporary Trade Directory Entry
  - Fuel Station Entry

### Site Sensitivity Map - Slice D



### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON








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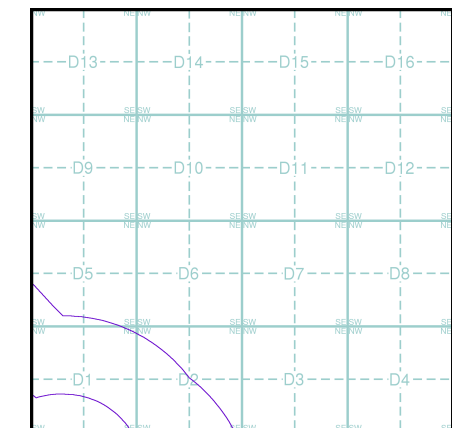
**General**

-  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 D**

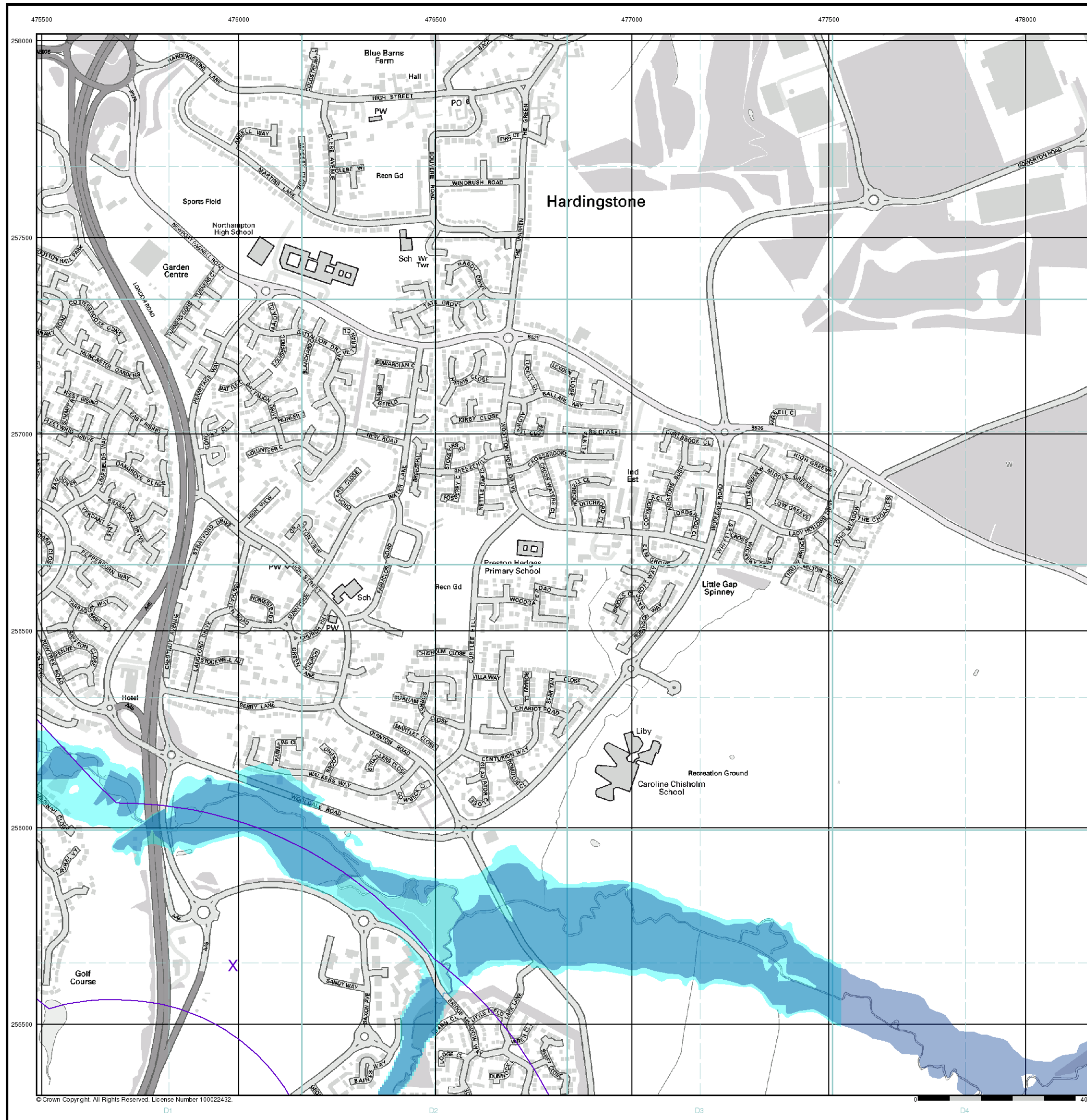


**Order Details**

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000






**Site Details**

M1 Junction 15, NORTHAMPTON








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### General

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

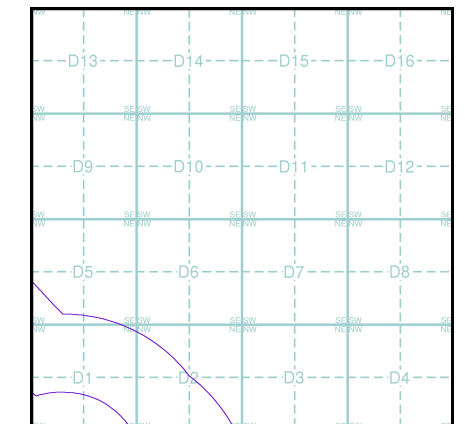
### Agency and Hydrological (Boreholes)

-  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 D

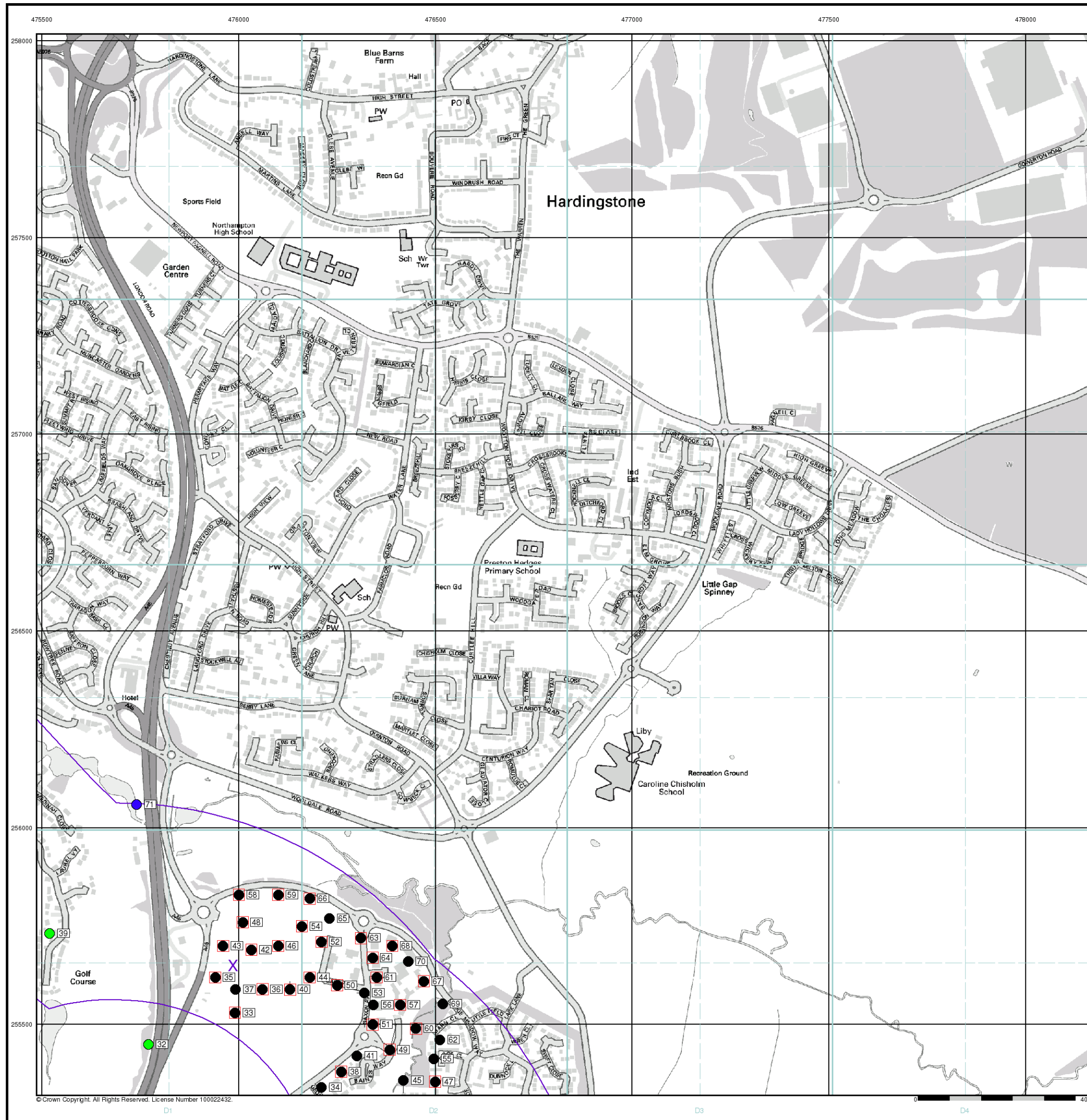


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



### General

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

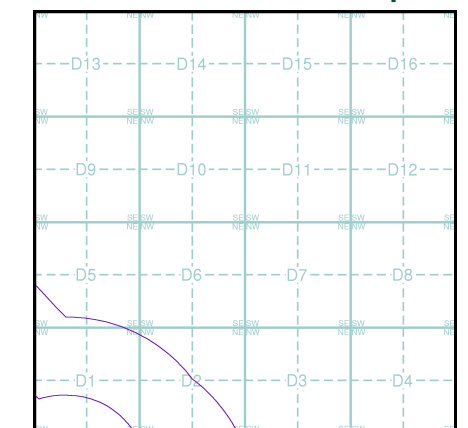
### EA Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

### Contours (height in metres)

- Standard Contour 105
- Index Contour 100
- 167.3 Spot Height
- 45.8 Air Height

### EA Detailed River Network Map - Slice D

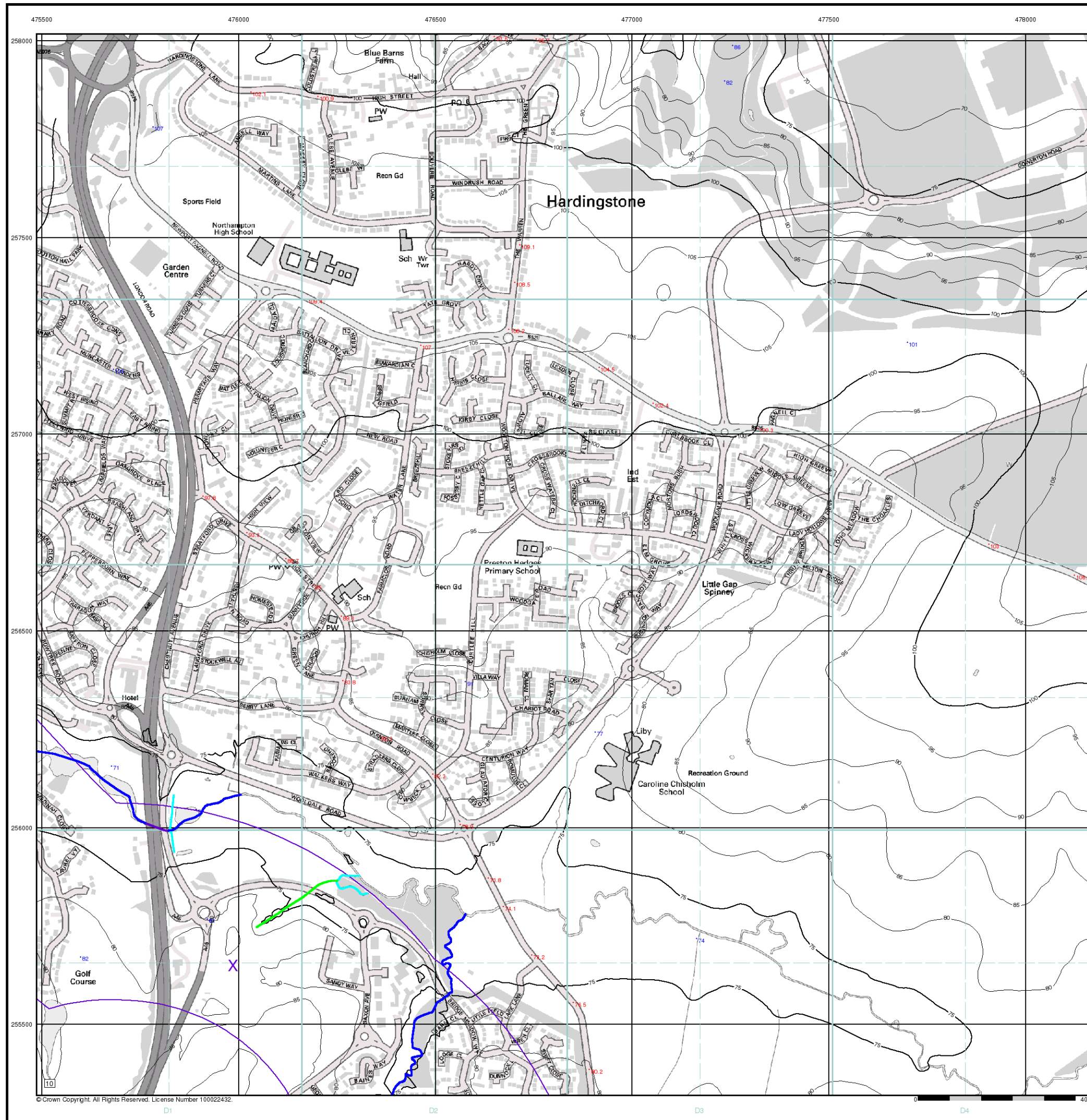


### Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

### Site Details

M1 Junction 15, NORTHAMPTON



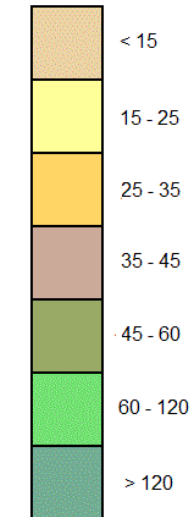
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**General**

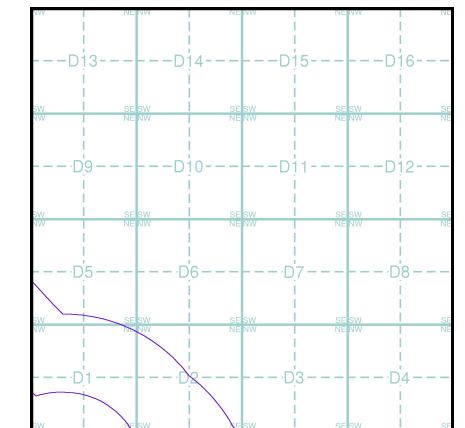
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Arsenic**

Arsenic Concentrations mg/kg



**Estimated Soil Chemistry Arsenic - Slice D**

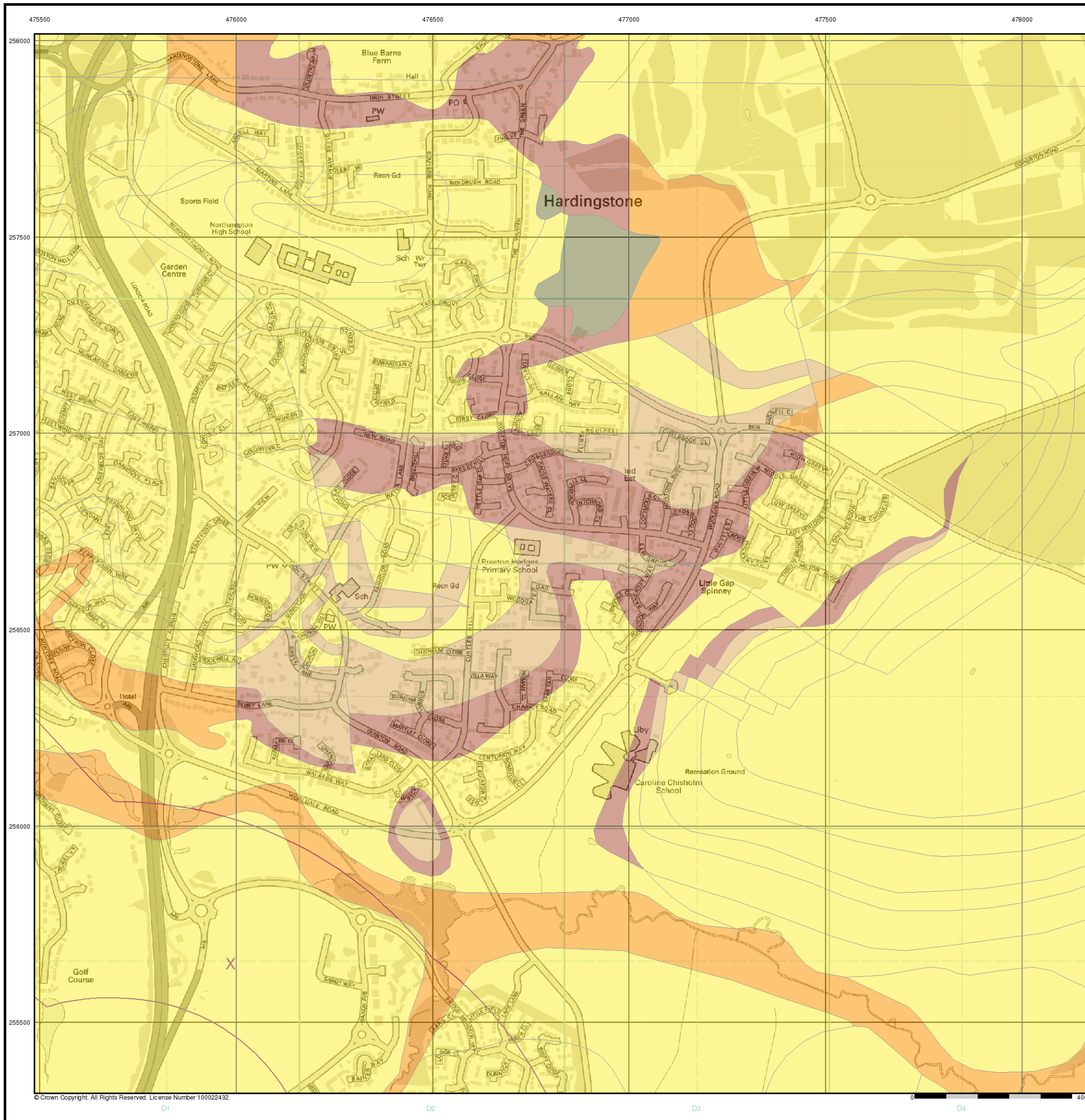


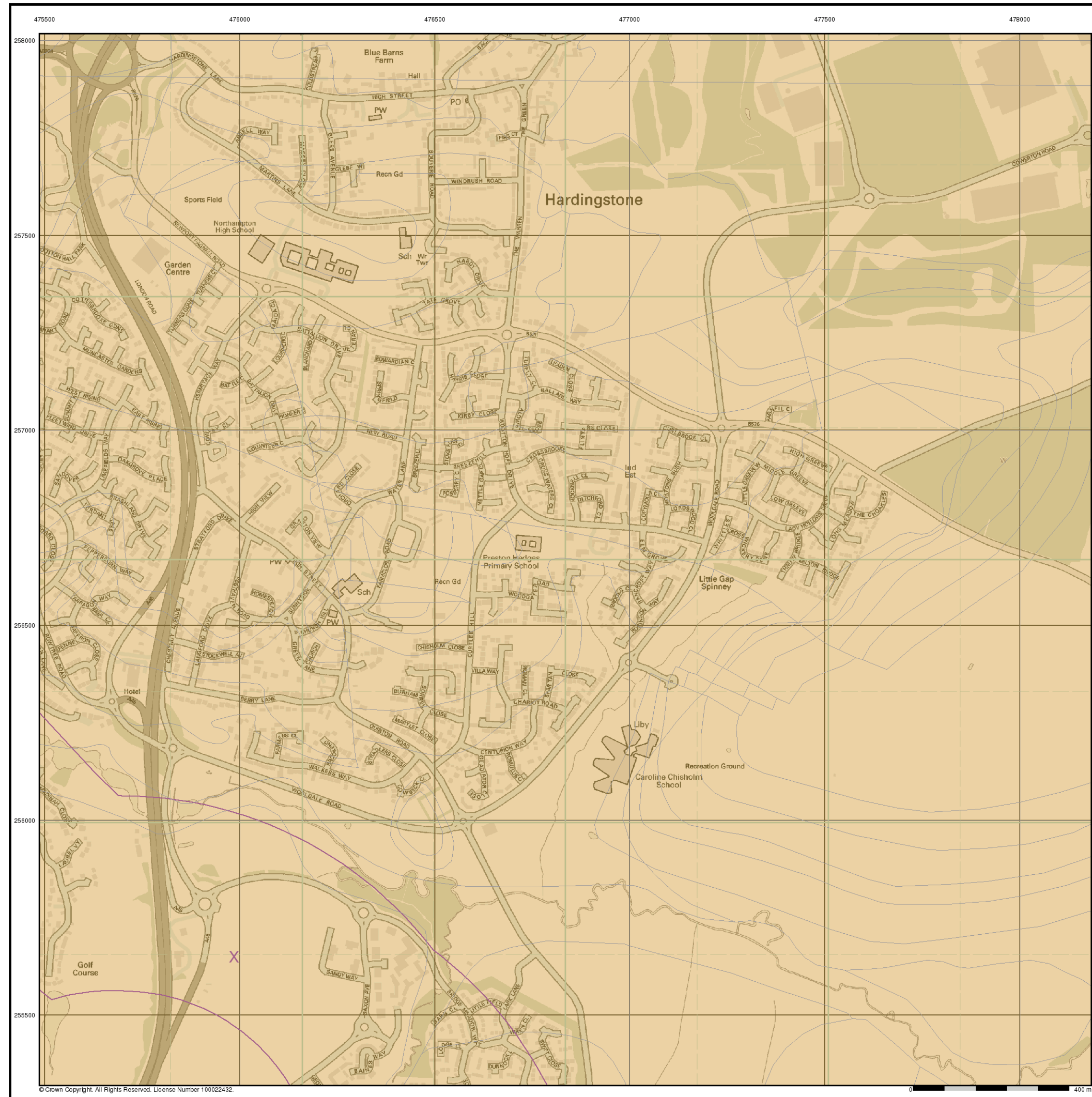
**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



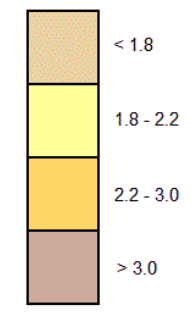


**General**

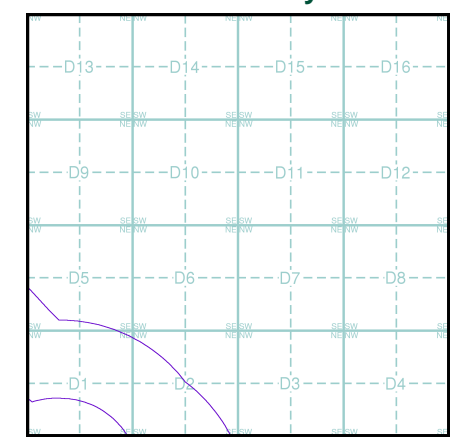
- X Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Estimated Soil Chemistry Cadmium**

Cadmium Concentrations mg/kg



**Estimated Soil Chemistry Cadmium - Slice D**



**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON

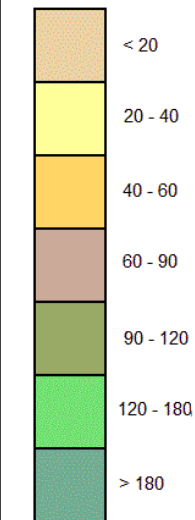
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk

**General**

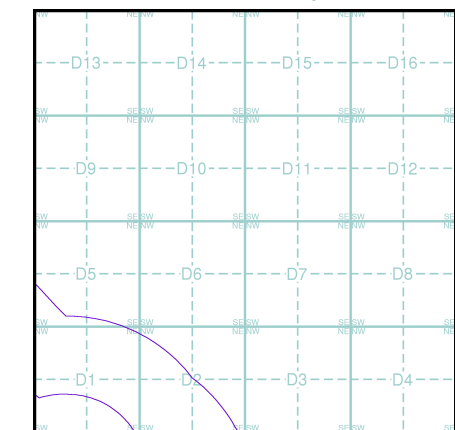
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

**Estimated Soil Chemistry Chromium**

Chromium Concentrations mg/kg



**Estimated Soil Chemistry Chromium - Slice D**

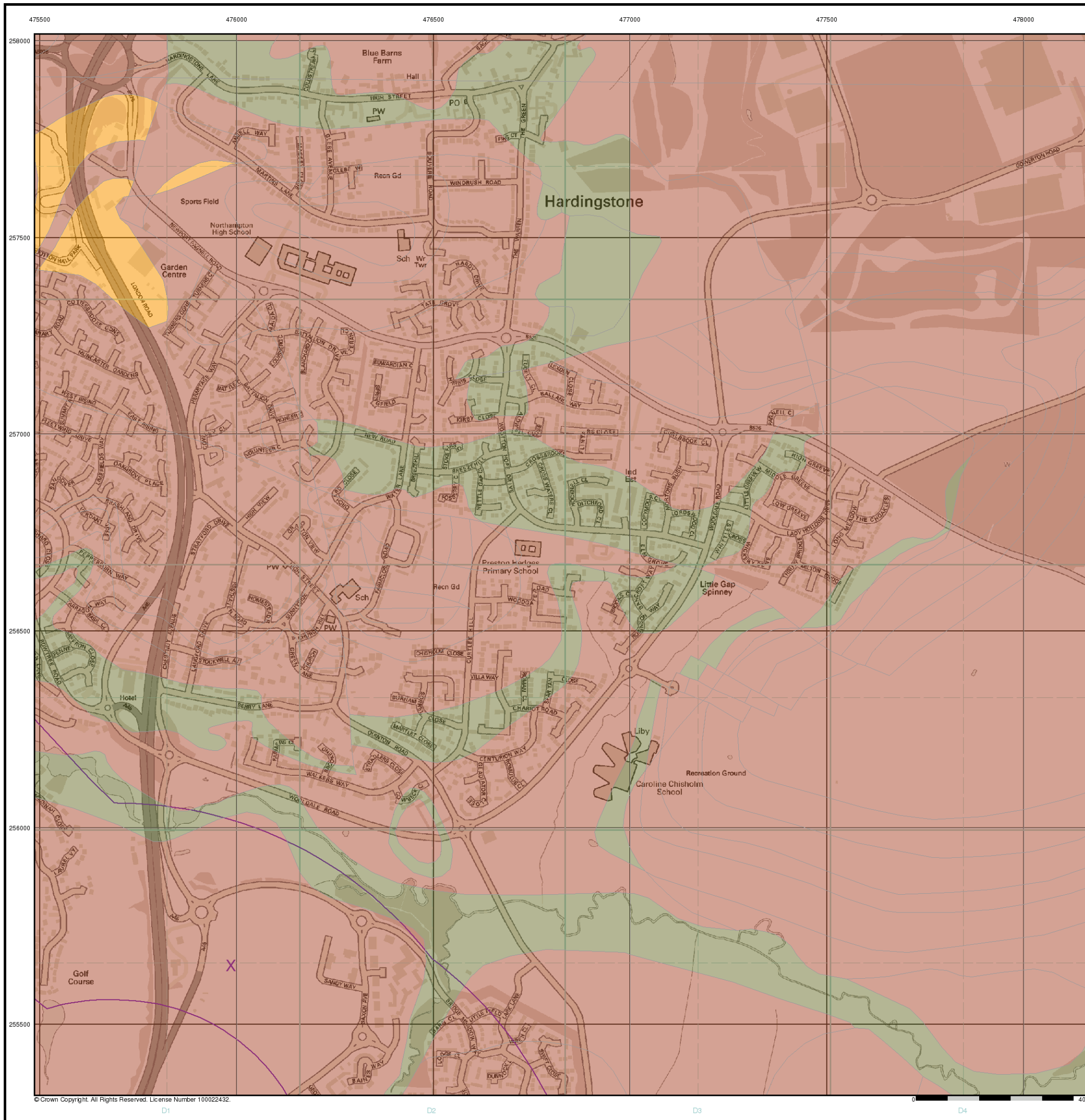


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



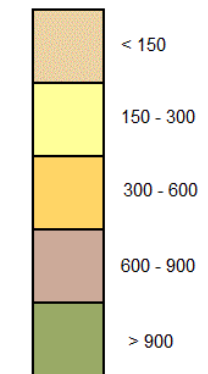


**General**

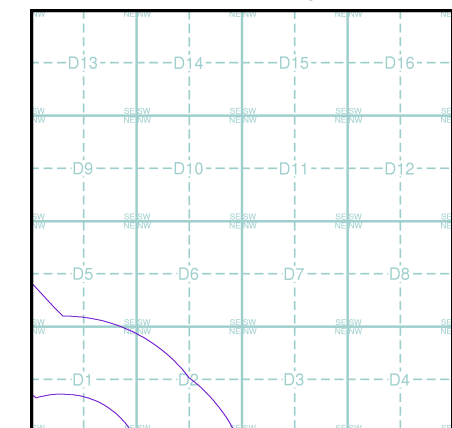
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

**Estimated Soil Chemistry Lead**

Lead Concentrations mg/kg



**Estimated Soil Chemistry Lead - Slice D**

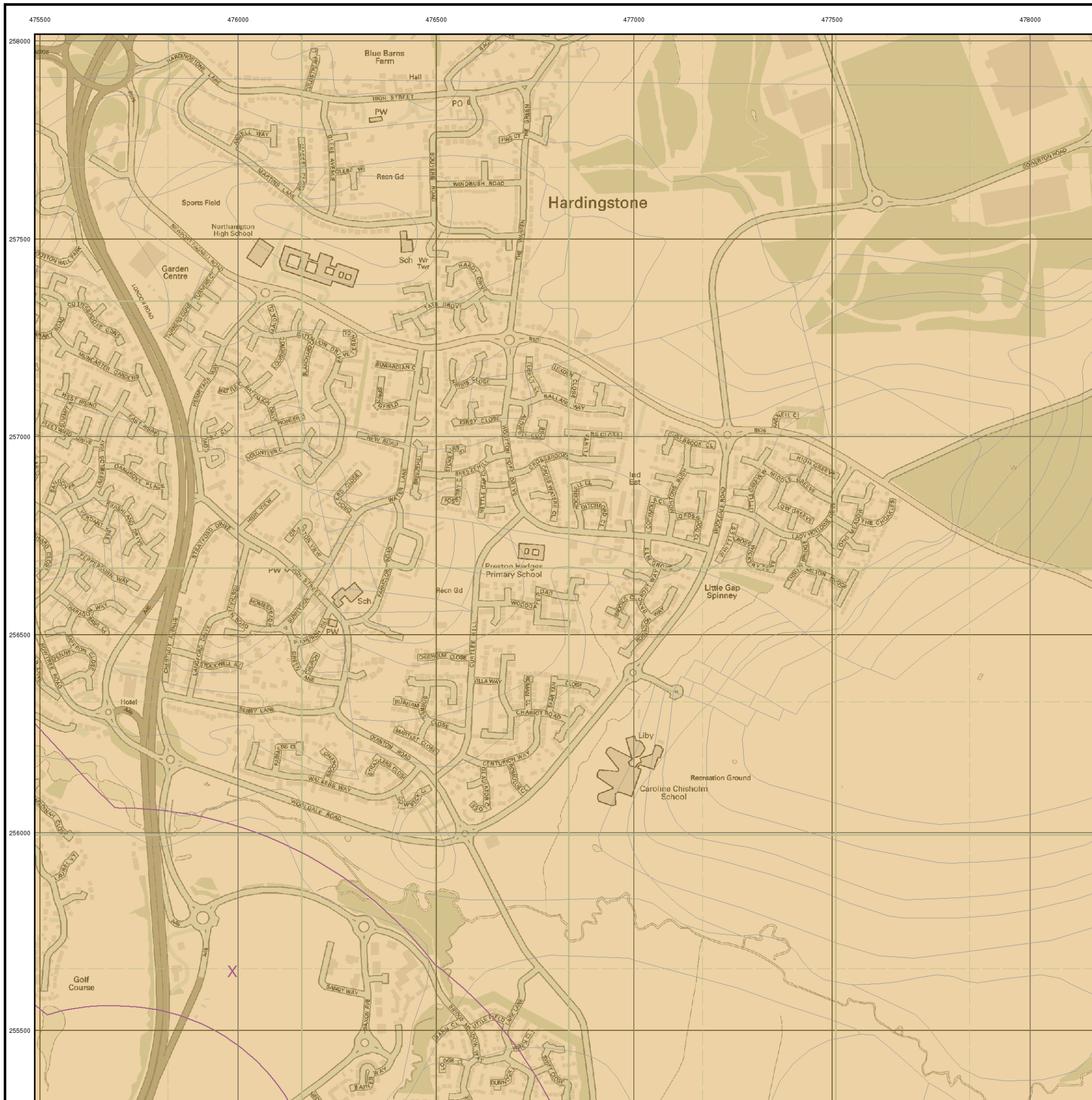


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000




**Site Details**

M1 Junction 15, NORTHAMPTON



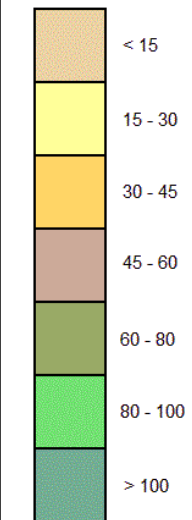
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**General**

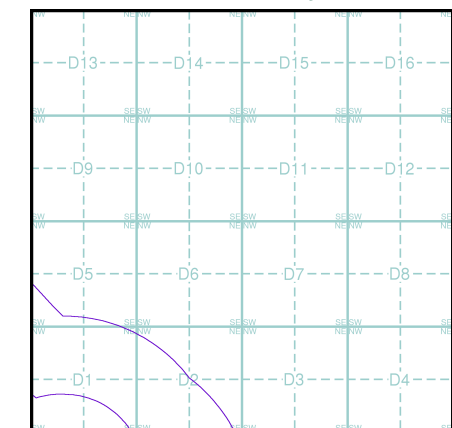
-  Specified Site
-  Specified Buffer(s)
-  Bearing Reference Point

**Estimated Soil Chemistry Nickel**

Nickel Concentrations mg/kg



**Estimated Soil Chemistry Nickel - Slice D**

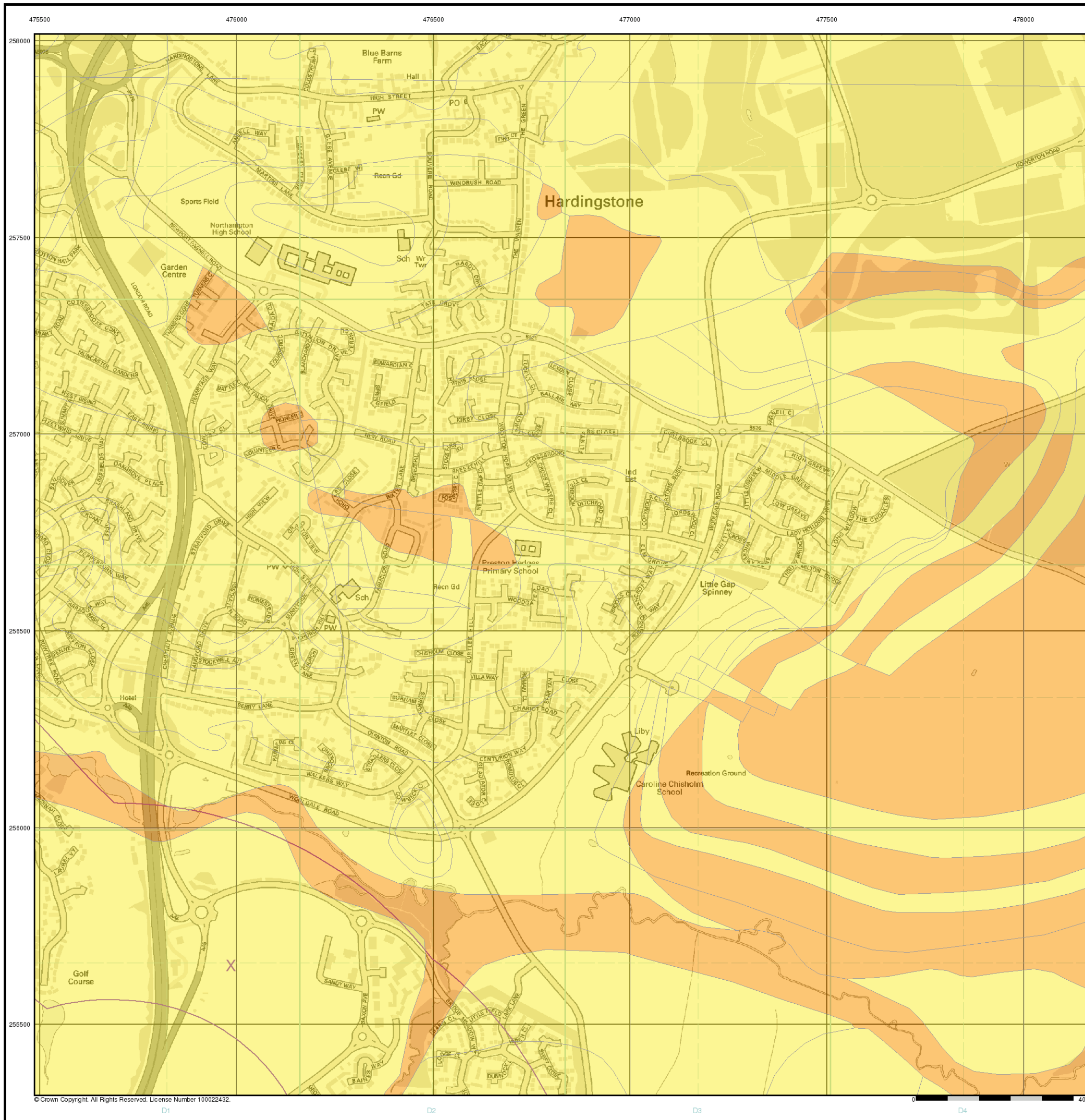


**Order Details**

Order Details: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 475990, 255650  
 Slice: D  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

**Site Details**

M1 Junction 15, NORTHAMPTON



## 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

Mrs D Martin, RSK Environment Ltd, Abbey Park, Humber Road, Coventry, CV3 4AQ

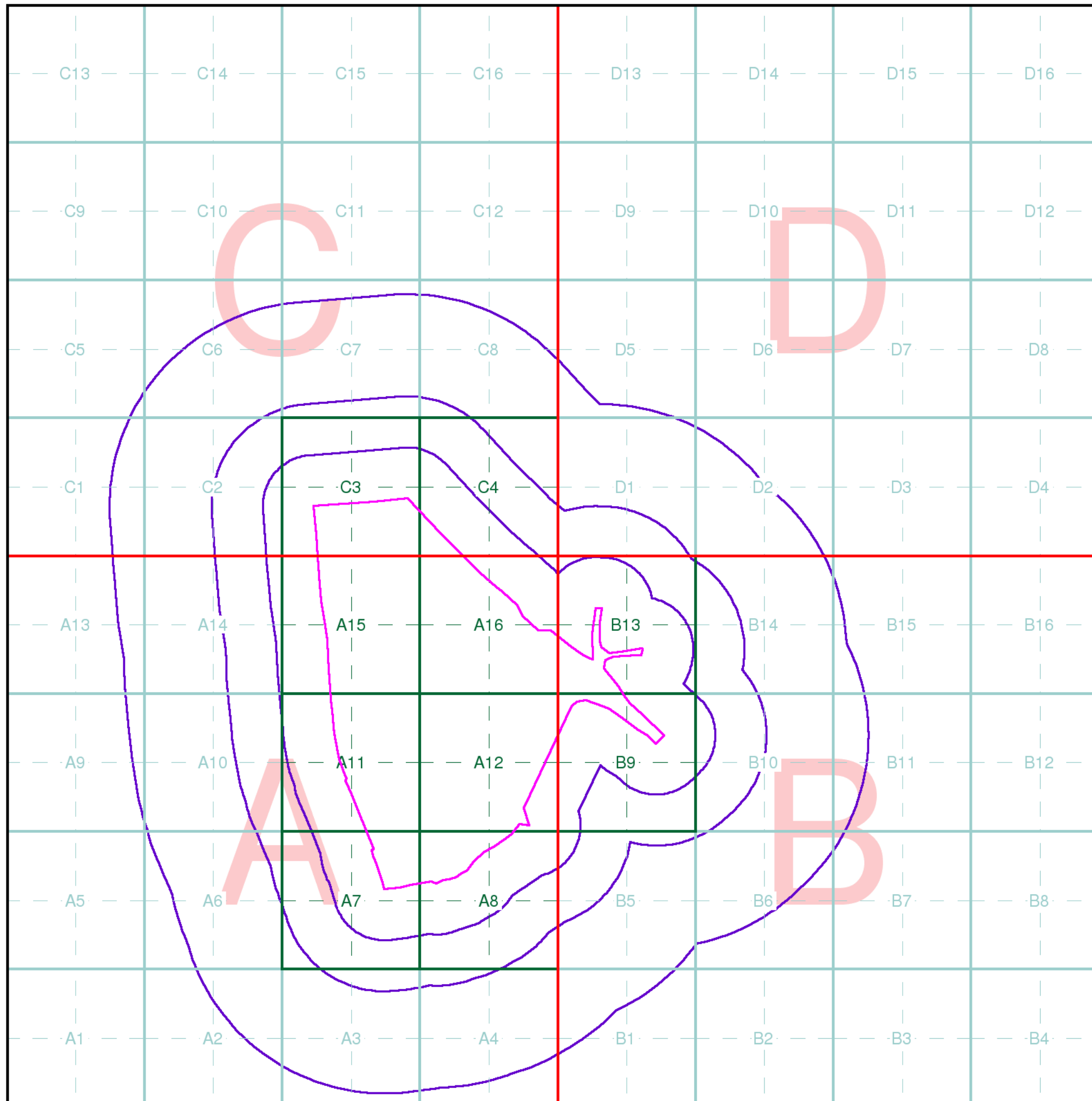
## Order Details

Order Number: 59121721\_1\_1  
 Customer Ref: 312598  
 National Grid Reference: 474910, 254660  
 Site Area (Ha): 172.72  
 Search Buffer (m): 1000

## Site Details

M1 Junction 15, NORTHAMPTON

Full Terms and Conditions can be found on the following link:  
<http://www.landmarkinfo.co.uk/Terms/Show/515>

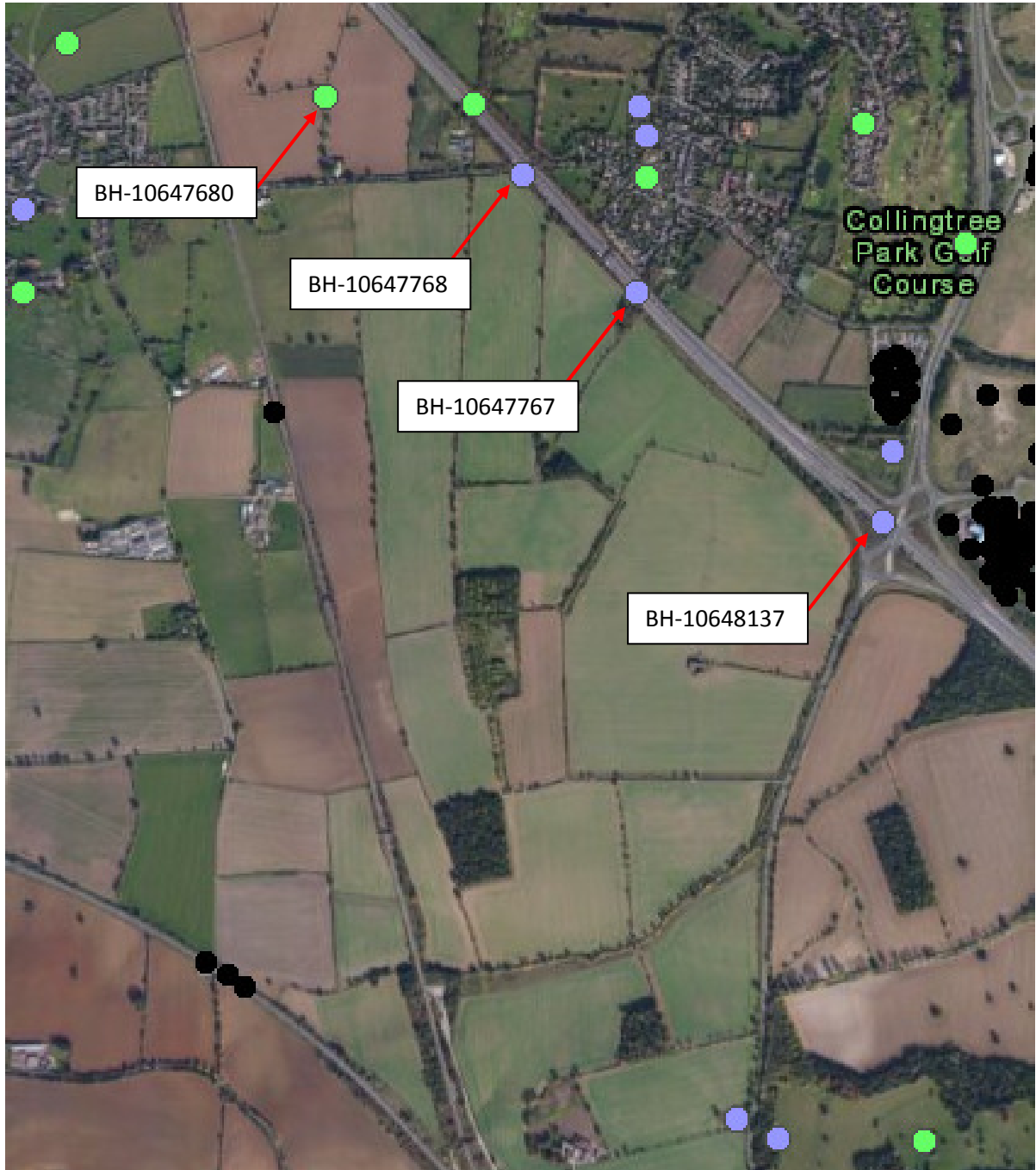




# **APPENDIX G**

## **EXISTING EXPLORATORY HOLE RECORDS**

---



Surface level +84.4 m (+277 ft)  
 Water struck at +78.0 m  
 April 1974

Overburden 0.2 m  
 Mineral 5.5 m  
 Waste 0.2 m  
 Mineral 5.8 m  
 Waste 0.4 m  
 Bedrock 0.5 m+

**LOG**

Geological classification	Lithology	Thickness m	Depth m
	Soil	0.2	0.2
Glacial Sand and Gravel	a 'Very clayey' pebbly sand Gravel: fine, ironstone, flint and limestone with some sandstone and quartzite Sand: medium	0.8	1.0
Milton Sand	b Pebbly sand, 'clayey' in first 0.6 m Gravel: fine, angular, sandy ironstone Sand: medium with fine	4.7	5.8
	Sandy clay	0.2	5.9
	c Clayey pebbly sand, less 'clayey' in last 1.8 m Gravel: fine angular, sandy ironstone Sand: medium with fine	5.8	11.7
	Clay, pale brown, sandy and silty with some ironstone pebbles	0.4	12.1
Upper Lias	Clay, bluish grey, silty with belemnites	0.5+	12.6

**GRADING**

	Mean for deposit percentages			Depth below surface (m)	percentages						
	Fines	Sand	Gravel		Fines		Sand			Gravel	
					-4	+4 -4	+4 -1	+1 -4	+4 -16	+16 -64	+64 mm
a	36	49	15	0.2-1.0	36	7	32	10	12	3	0
b	8	87	5	1.0-1.6	14	17	49	9	10	1	0
				1.6-2.8	9	15	51	10	14	1	0
				2.8-3.8	5	41	51	1	2	0	0
				3.8-4.8	7	38	52	2	1	0	0
				4.8-5.7	8	37	51	2	2	0	0
				Mean	8	31	51	5	4	1	0
c	9	79	12	5.9-6.9	10	46	35	4	5	0	0
				6.9-7.9	10	49	34	3	3	1	0
				7.9-8.9	10	47	36	4	3	0	0
				8.9-10.1	10	48	38	2	2	0	0
				10.1-11.1	4	8	31	24	30	3	0
				11.1-11.9	7	13	29	28	19	4	0
Mean	9	35	34	10	11	1	0				
a+b+c	11	79	10	Mean	11	31	40	8	8	2	0
b+c	8	84	8	Mean	8	34	42	8	8	0	0



SP 75 NW/237

7498 5532

RECORD OF BOREHOLE

MINISTRY OF TRANSPORT AND CIVIL AVIATION

M.1 MOTORWAY

PROFILE

CUSTOMERS NO.

M

313

0-3 TOPSOIL

0-2

0-5 BROWN SANDY CLAY AND ROOTS

6-8 BROWN SAND

7-6 END OF BOREHOLE

M.1 PLANS AVAILABLE IN MOTORWAY CABINET

SP 75 NW/238  
7470 5560.



RECORD OF BOREHOLE

MINISTRY OF TRANSPORT AND CIVIL  
AVIATION

M.1 MOTORWAY

PROF. DEPTH	PROF. NO.	DESCRIPTION	CUSTOMERS NO.
	M		8
0.3	0.3	TOPSOIL	
0.6	0.3	MEDIUM YELLOW SILTY CLAY	
0.9	0.3	FINE BROWN GREY CLAY	
1.3	0.4	STIFF BROWN GREY CLAY	
	1.4	BLUE & BROWN SILTY CLAY	
2.7			
	1.2	SOFT BLUE SILTY CLAY	
4.2	4.0	3.9	
0.2	0.1	FIRM BROWN MOTTLED CLAYEY SILT	
5.1	5.0	0.8 FINE SILTY GRAVEL	
	0.1	FINE YELLOW CLAYEY SILT	BROWN CLAYEY SILT
5.9	0.8	FINE CLAY	
6.2	0.3	BROWN SAND	
	1.1	FINE GRAVEL	
	7.6	END OF BOREHOLE	

M.1 PLANS AVAILABLE  
IN MOTORWAY CABINET.





# RECORD OF BOREHOLE

## MINISTRY OF TRANSPORT AND CIVIL AVIATION

### M.1 MOTORWAY

PROFILE

CUSTOMERS NO.

M

312

0.4 | TOPSOIL

1.3 0.9 | CLAYEY SAND

1.9 0.6 | BLUE MOTTLED CHALKY CLAY (BOULDER CLAY)

2.5 0.6 | BROWN SAND

2.1 | FIRM BLUE CHALKY CLAY (BOULDER CLAY)

4.6

3.0 | FIRM BLUE CLAY (LIAS)

7.6 | END OF BOREHOLE

M.1 PLANS AVAILABLE  
IN MOTORWAY CABINET



# **APPENDIX H**

## **SEARCH RESPONSES AND INFORMATION**

---



Abbey Park  
Humber Road  
Coventry  
CV3 4AQ  
UK

Telephone: +44 (0)24 7650 5600  
Fax: +44 (0)24 7650 1417  
[www.rsk.co.uk](http://www.rsk.co.uk)

20<sup>th</sup> July 2016

Our reference: 313418 01 (00) CL

Vicky Ellison  
Customers & Engagement Officer  
Environment Agency  
Lincolnshire and Northamptonshire Area  
Waterside House  
Waterside North  
Lincoln,  
LN2 5HA

[vicky.ellison@environment-agency.gov.uk](mailto:vicky.ellison@environment-agency.gov.uk)

313418 M1 Junction 15 – Contaminated Land

### **Consultation and Request For Information**

Dear Vicky,

We have been commissioned as Consultants to carry out a Preliminary Sources Study Report for the proposed new commercial site located off the M1 junction 15. An original enquiry was made on 2<sup>nd</sup> October 2014 our reference 312494 02(00) CL. From our original enquiry the western and southern boundary has now been extended.

The site is located off the A508, just off the M1 Junction 15 and we understand that this lies within your regulatory district area. A site location plan and separate site boundary plan are attached to define the exact site area under consideration

In order to help us with our assessments we would be grateful if you would be able to consult your records and provide us a formal written response to the following queries and questions;

1. Is the site or any parts of the currently designated as Contaminated Land?
2. If the site or any part thereof is considered contaminated please provide documentary evidence detailing the following:
  - The type and extent of contamination believed or proved to be present.
  - The receptors, which are deemed to be at risk.
  - Details of the pollutant linkages between the source of contamination and receptors.
  - Any details of proposed or required remedial actions.
3. Has responsibility for the site or any part thereof been passed over to the Environment Agency? If so please detail reasons and provide contact information.



RSK Environment Ltd  
Registered office  
34 Albyn Place • Aberdeen • Aberdeenshire • AB10 1FW • UK  
Registered in Scotland No. 115530  
[www.rsk.co.uk](http://www.rsk.co.uk)

4. Is the site or any part thereof likely to be considered to be contaminated land at some future date? If so please provide details and reasons. Documentary evidence as noted above (Ques 2) is also requested (as per question 2).
5. Has the site or any part thereof ever formerly been considered as contaminated land but sufficient remedial action to satisfy the enforcing authority taken place? If so please provide documentary evidence detailing the following:-
  - What the initial problem was.
  - What remedial action has taken place.
  - Implications and responsibilities this poses for the landowner in respect of site management or monitoring.
6. Please define the assigned Land Use Classification for the site or parts of the site areas based upon land use and history. If not defined please define the most appropriate classes.
7. Please provide a copy of your Contaminated Land Strategy or link to the strategy if on line.
8. Is the site or any part thereof (or has the site been) a registered landfill (open or closed) or does it lie within 500m of a known landfill? If so, are there any landfill gas monitoring records that could be made available?
9. Does the Council have any information which indicates that the site or neighbouring sites may be Contaminated Land within the meaning given by Section 57 of the Environment Act 1995? If so, please provide full details.
10. Has the council had cause to inspect the property or neighbouring property or taken any other action for the purpose of determining whether the property or neighbouring land may be Contaminated Land or in connection with the preparation of a Remediation Notice? If so, please supply full details.
11. Has the Council ever had cause to take any other action arising out of the state or condition of the property or neighbouring land? If so please provide details.
12. Has the Council ever received any complaints relating to such matters? If so, please supply full details.
13. Any other relevant data on the site regarding it's previous usage such as incidents of spillage's etc, exploratory data etc that may be relevant to our study? If so please provide details.

We understand there is no direct fee charge for this information. However, please advise us of any ancillary costs that might occur in providing this information so that relevant instruction and order numbers can be arranged.

This information is required urgently and we would like to thank you in advance for your co-operation in this study.

Yours Sincerely,



**For RSK Company Limited**

Darren Bench

Associate Director

Encl: Fig 1 Site Location

## Darren Bench

---

**From:** Lincs & Northants, Customer Enquiries [LNenquiries@environment-agency.gov.uk]  
**Sent:** 16 September 2016 18:02  
**To:** Marc Dixon  
**Subject:** FW: Junction 15 Bypass and Main site Information Request CCN/2016/22671

Dear Marc

### Enquiry regarding Junction 15 Bypass and Main site Information Request CCN/2016/22671

Thank you for your enquiry which was received on 6<sup>th</sup> September 2016.

We respond to requests under the Freedom of Information Act 2000 and Environmental Information Regulations 2004.

I attach answers to the two information requests you passed to us below, the responses are listed separately under each site. This data will be shared under the Open Government Licence, to read this and find out about permitted use, please click [here](#) .

Please get in touch if you have any further queries or contact us within two months if you'd like us to review the information we have sent.

Kind regards,

#### Nicola Stone

Customers & Engagement Officer  
Lincolnshire and Northamptonshire Area  
✉ [nicola.stone@environment-agency.gov.uk](mailto:nicola.stone@environment-agency.gov.uk)  
☎ Internal (jabber) [45475](#)  
☎ External [\(+44\) 0208 474 5475](#)

**Lincolnshire and Northamptonshire Area, Environment Agency**  
Waterside House, Waterside North, Lincoln. LN2 5HA

### **M1 JUNCTION 15 – MAIN SITE FROM GROUNDWATER & CONTAMINATED LAND LINCOLNSHIRE & NORTHAMPTONSHIRE AREA**

- 
1. Is the site or any parts of the currently designated as Contaminated Land?  
[This team has no record of any part of the site being determined Contaminated Land, however the lead for Part 2A is the Local Authority and we advise that the customer directs the enquiry to South Northamptonshire District Council.](#)
  2. If the site or any part thereof is considered contaminated please provide documentary evidence detailing the following:
    - The type and extent of contamination believed or proved to be present.
    - The receptors, which are deemed to be at risk.
    - Details of the pollutant linkages between the source of contamination and receptors.
    - Any details of proposed or required remedial actions.[This team hold no records relating to the site](#)
  3. Has responsibility for the site or any part thereof been passed over to the Environment Agency? If so please detail reasons and provide contact information.  
[No](#)

4. Is the site or any part thereof likely to be considered to be contaminated land at some future date? If so please provide details and reasons. Documentary evidence as noted above is also requested (as per question 2).

Please refer to answer 1.

5. Has the site or any part thereof ever formerly been considered as contaminated land but sufficient remedial action to satisfy the enforcing authority taken place? If so please provide documentary evidence detailing the following:-

- What the initial problem was.
- What remedial action has taken place.
- Implications and responsibilities this poses for the landowner in respect of site management or monitoring.

Please refer to answer 1.

6. Please define the assigned Land Use Classification for the site or parts of the site areas based upon land use and history. If not defined please define the most appropriate classes.

Please refer to answer 1.

7. Please provide a copy of your Contaminated Land Strategy or link to the strategy if on line.

As per Part 2A Statutory Guidance, the Local Authorities prepare a Contaminated Land Strategy and we recommend that the Local Authority is contacted for this information.

8. Is the site or any part thereof (or has the site been) a registered landfill (open or closed) or does it lie within 500m of a known landfill? If so, are there any landfill gas monitoring records that could be made available?

We have no record of the site being recorded as a landfill. Wooton Landfill lies adjacent to part of this site at approx. grid ref SP7579455364. Installations South should be able to provide gas monitoring records. Courteenhall Grange Farm Pit, a historic landfill is located approximately 180 m to the north of the site. Blisworth Lodge Farm Landfill lies approximately 490 m to the south-west of the site at its closest point. More information on these landfills can be obtained online on What's in your backyard? <http://maps.environment-agency.gov.uk/wiyby/wiybyController?ep=maptopics&lang=e>

9. Does the Council have any information which indicates that the site or neighbouring sites may be Contaminated Land within the meaning given by Section 57 of the Environment Act 1995? If so, please provide full details.

Please refer to answer 1.

10. Has the council had cause to inspect the property or neighbouring property or taken any other action for the purpose of determining whether the property or neighbouring land may be Contaminated Land or in connection with the preparation of a Remediation Notice? If so, please supply full details.

Please refer to answer 1.

11. Has the Council ever had cause to take any other action arising out of the state or condition of the property or neighbouring land? If so please provide details.

Please refer to answer 1.

12. Has the Council ever received any complaints relating to such matters? If so, please supply full details.

Please refer to answer 1.

13. Any other relevant data on the site regarding it's previous usage such as incidents of spillage's etc, exploratory data etc that may be relevant to our study? If so please provide details.

GWCL team holds no records relating to the site. Any queries relating to pollution incidents should be directed to the Land and Water or Waste team.

**ROADE BYPASS SITE (FROM GROUNDWATER & CONTAMINATED LAND LINCOLNSHIRE & NORTHAMPTONSHIRE AREA - please note that only about 10% of this site is in the water management area of Lincs & Northants so also see Cambs & Beds response below.**

1. Is the site or any parts of the currently designated as Contaminated Land?

This team has no record of any part of the site (in Lincs & Northants Water Management Area) being determined Contaminated Land, however the lead for Part 2A is the Local Authority and we advise that the customer directs the enquiry to South Northamptonshire District Council.

2. If the site or any part thereof is considered contaminated please provide documentary evidence detailing the following:

- The type and extent of contamination believed or proved to be present.
- The receptors, which are deemed to be at risk.
- Details of the pollutant linkages between the source of contamination and receptors.
- Any details of proposed or required remedial actions.

This team hold no records relating to part of the site in Lincs & Northants water management area.

3. Has responsibility for the site or any part thereof been passed over to the Environment Agency? If so please detail reasons and provide contact information.

No (for our part of the site)

4. Is the site or any part thereof likely to be considered to be contaminated land at some future date? If so please provide details and reasons. Documentary evidence as noted above is also requested (as per question 2).

Please refer to answer 1.

5. Has the site or any part thereof ever formerly been considered as contaminated land but sufficient remedial action to satisfy the enforcing authority taken place? If so please provide documentary evidence detailing the following:-

- What the initial problem was.
- What remedial action has taken place.
- Implications and responsibilities this poses for the landowner in respect of site management or monitoring.

Please refer to answer 1.

6. Please define the assigned Land Use Classification for the site or parts of the site areas based upon land use and history. If not defined please define the most appropriate classes.

Please refer to answer 1.

7. Please provide a copy of your Contaminated Land Strategy or link to the strategy if on line.

As per Part 2A Statutory Guidance, the Local Authority prepares a Contaminated Land Strategy and we recommend that the Local Authority is contacted for this information.

8. Is the site or any part thereof (or has the site been) a registered landfill (open or closed) or does it lie within 500m of a known landfill? If so, are there any landfill gas monitoring records that could be made available?

The Pianoforte Supplies - Old Quarry landfill lies adjacent to part of the site at approx. grid ref SP7545150939. This landfill is in Cambs & Beds area, so it would be appropriate to contact the Installations team that covers this site. Some information relating to the site is available online on What's in your backyard? <http://maps.environment-agency.gov.uk/wiyby/wiybyController?ep=maptopics&lang=e>

9. Does the Council have any information which indicates that the site or neighbouring sites may be Contaminated Land within the meaning given by Section 57 of the Environment Act 1995? If so, please provide full details.

Please refer to answer 1.

10. Has the council had cause to inspect the property or neighbouring property or taken any other action for the purpose of determining whether the property or neighbouring land may be Contaminated Land or in connection with the preparation of a Remediation Notice? If so, please supply full details.

Please refer to answer 1.

11. Has the Council ever had cause to take any other action arising out of the state or condition of the property or neighbouring land? If so please provide details.

Please refer to answer 1.

12. Has the Council ever received any complaints relating to such matters? If so, please supply full details.

Please refer to answer 1.

13. Any other relevant data on the site regarding it's previous usage such as incidents of spillage's etc, exploratory data etc that may be relevant to our study? If so please provide details.

GWCL team holds no records relating to the site. Any queries relating to pollution incidents should be directed to the Land and Water or Waste team.

## **ROADE BYPASS SITE FROM THE EAST ANGLIA (CAMBS & BEDS) GROUNDWATER & CONTAMINATED LAND TEAM.**

1. Is the site or any parts of the currently designated as Contaminated Land?



This team has no record of any part of the site (in the East Anglia - Cambs & Beds Water Management Area) being determined Contaminated Land, however the lead for Part 2A is the Local Authority and we advise that the customer directs the enquiry to South Northamptonshire District Council.

2. If the site or any part thereof is considered contaminated please provide documentary evidence detailing the following:

- The type and extent of contamination believed or proved to be present.
- The receptors, which are deemed to be at risk.
- Details of the pollutant linkages between the source of contamination and receptors.
- Any details of proposed or required remedial actions.

This team hold no records relating to part of the site in the East Anglia - Cambs & Beds Water Management Area.

3. Has responsibility for the site or any part thereof been passed over to the Environment Agency? If so please detail reasons and provide contact information.

No (for our part of the site).

4. Is the site or any part thereof likely to be considered to be contaminated land at some future date? If so please provide details and reasons. Documentary evidence as noted above is also requested (as per question 2).

Please refer to answer 1.

5. Has the site or any part thereof ever formerly been considered as contaminated land but sufficient remedial action to satisfy the enforcing authority taken place? If so please provide documentary evidence detailing the following:-

- What the initial problem was.
- What remedial action has taken place.
- Implications and responsibilities this poses for the landowner in respect of site management or monitoring.

Please refer to answer 1.

6. Please define the assigned Land Use Classification for the site or parts of the site areas based upon land use and history. If not defined please define the most appropriate classes.

Please refer to answer 1.

7. Please provide a copy of your Contaminated Land Strategy or link to the strategy if on line.

As per Part 2A Statutory Guidance, the Local Authority prepares a Contaminated Land Strategy and we recommend that the Local Authority is contacted for this information.

8. Is the site or any part thereof (or has the site been) a registered landfill (open or closed) or does it lie within 500m of a known landfill? If so, are there any landfill gas monitoring records that could be made available?

The Pianoforte Supplies - Old Quarry landfill lies adjacent to part of the site at approximately National Grid Reference SP7545150939. This landfill is located in our East Anglia - Cambridgeshire & Bedfordshire Area so it would be appropriate to contact the Installations team that covers this site. Some information relating to the site is available online on the relevant What's in your backyard webpage: <http://maps.environment-agency.gov.uk/wiyby/queryController?topic=waste&ep=2ndtierquery&lang=e&layerGroups=1&x=475578.76119999995&y=251017.0327499999&extraClause=ID~803&textonly=off&latestValue=&latestField=>

9. Does the Council have any information which indicates that the site or neighbouring sites may be Contaminated Land within the meaning given by Section 57 of the Environment Act 1995? If so, please provide full details.

Please refer to answer 1.

10. Has the council had cause to inspect the property or neighbouring property or taken any other action for the purpose of determining whether the property or neighbouring land may be Contaminated Land or in connection with the preparation of a Remediation Notice? If so, please supply full details.

Please refer to answer 1.

11. Has the Council ever had cause to take any other action arising out of the state or condition of the property or neighbouring land? If so please provide details.

Please refer to answer 1.

12. Has the Council ever received any complaints relating to such matters? If so, please supply full details.

Please refer to answer 1.

13. Any other relevant data on the site regarding it's previous usage such as incidents of spillage's etc, exploratory data etc that may be relevant to our study? If so please provide details.

Our GWCL team holds no records relating to pollution incidents at the site. Any queries relating to pollution incidents should be directed to the Brampton Land and Water or Waste team. Please note that the site is located above a principal groundwater aquifer (Blisworth Limestone Formation). The site is considered sensitive as the Blisworth Limestone has high permeability and we are aware from review of our resources that groundwater is at depths of approximately 6 metres below ground level.

---

**From:** [MDixon@rsk.co.uk](mailto:MDixon@rsk.co.uk) [<mailto:MDixon@rsk.co.uk>]

**Sent:** 06 September 2016 16:54

**To:** Lincs & Northants, Customer Enquiries <[LNenquiries@environment-agency.gov.uk](mailto:LNenquiries@environment-agency.gov.uk)>

**Subject:** FW: RE: Junction 15 Bypass and Main site Information Request CCN/2016/22671

Hi,

On behalf of Darren Bench please find attached two information requests for the Junction 15 site including the main site and bypass. Please let us know if there are any fees associated with your formulating a reply.

Kind Regards

---

**Marc Dixon**  
**Principal Geoenvironmental Engineer**

**RSK**  
Humber Road, Abbey Park, Coventry, CV3 4AQ, UK

Switchboard: +44 (0)24 7650 5600

Fax: +44 (0)24 7650 1417

email: [mdixon@rsk.co.uk](mailto:mdixon@rsk.co.uk)

<http://www.rsk.co.uk>

**Global provider of environmental consultancy, health and safety, and ground engineering services**

**RANKED TOP CONTAMINATED LAND AND REMEDIATION CONSULTANCY IN 2014 by Environment Analyst.**



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Registered number: 115530

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02<sup>nd</sup> October 2014

Our reference: 312598 02 (00) CL

Trevor Dixon  
Contaminated Land Officer  
South Northamptonshire Council,  
Springfields,  
Towcester,  
Northampton  
NN12 6AE

[trevor.dixon@southnorthants.gov.uk](mailto:trevor.dixon@southnorthants.gov.uk)

312598 M1 Junction 15 – Contaminated Land

### Consultation and Request For Information

Dear Trevor,

We have been commissioned as Consultants to carry out a Preliminary Sources Study Report for the proposed new commercial site located off the M1 junction 15. An original enquiry was made on 2<sup>nd</sup> October 2014 our reference 312494 02(00) CL. From our original enquiry the western and southern boundary has now been extended.

The site is located off the A508, just off the M1 Junction 15 and we understand that this lies within your regulatory district area. A site location plan and separate site boundary plan are attached to define the exact site area under consideration

In order to help us with our assessments we would be grateful if you would be able to consult your records and provide us a formal written response to the following queries and questions;

1. Is the site or any parts of the currently designated as Contaminated Land?
2. If the site or any part thereof is considered contaminated please provide documentary evidence detailing the following:
  - The type and extent of contamination believed or proved to be present.
  - The receptors, which are deemed to be at risk.
  - Details of the pollutant linkages between the source of contamination and receptors.
  - Any details of proposed or required remedial actions.
3. Has responsibility for the site or any part thereof been passed over to the Environment Agency? If so please detail reasons and provide contact information.



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Registered office

34 Albyn Place • Aberdeen • Aberdeenshire • AB10 1FW • UK

Registered in Scotland No. 115530

[www.rsk.co.uk](http://www.rsk.co.uk)



4. Is the site or any part thereof likely to be considered to be contaminated land at some future date? If so please provide details and reasons. Documentary evidence as noted above (Ques 2) is also requested (as per question 2).
5. Has the site or any part thereof ever formerly been considered as contaminated land but sufficient remedial action to satisfy the enforcing authority taken place? If so please provide documentary evidence detailing the following:-
  - What the initial problem was.
  - What remedial action has taken place.
  - Implications and responsibilities this poses for the landowner in respect of site management or monitoring.
6. Please define the assigned Land Use Classification for the site or parts of the site areas based upon land use and history. If not defined please define the most appropriate classes.
7. Please provide a copy of your Contaminated Land Strategy or link to the strategy if on line.
8. Is the site or any part thereof (or has the site been) a registered landfill (open or closed) or does it lie within 500m of a known landfill? If so, are there any landfill gas monitoring records that could be made available?
9. Does the Council have any information which indicates that the site or neighbouring sites may be Contaminated Land within the meaning given by Section 57 of the Environment Act 1995? If so, please provide full details.
10. Has the council had cause to inspect the property or neighbouring property or taken any other action for the purpose of determining whether the property or neighbouring land may be Contaminated Land or in connection with the preparation of a Remediation Notice? If so, please supply full details.
11. Has the Council ever had cause to take any other action arising out of the state or condition of the property or neighbouring land? If so please provide details.
12. Has the Council ever received any complaints relating to such matters? If so, please supply full details.
13. Any other relevant data on the site regarding it's previous usage such as incidents of spillage's etc, exploratory data etc that may be relevant to our study? If so please provide details.

We understand there is no direct fee charge for this information. However, please advise us of any ancillary costs that might occur in providing this information so that relevant instruction and order numbers can be arranged.

This information is required urgently and we would like to thank you in advance for your co-operation in this study.

Yours Sincerely,

**For RSK Company Limited**

Darren Bench



Associate Director

Encl: Fig 1 Site Location



# South Northamptonshire Council

Springfields Towcester Northants NN12 6AE  
www.southnorthants.gov.uk

Darren Bench  
Associate Director  
RSK  
Abbey Park, Humber Road,  
Coventry  
CV3 4AQ

Our Ref: WK/201607126  
Please Ask For: Romero Okikiade  
Direct Dial: 01327 322354  
Direct Fax: 01327 359946  
Minicom: 01327 322275  
Email: [romero.okikiade@southnorthants.gov.uk](mailto:romero.okikiade@southnorthants.gov.uk)  
Date: 16 November 2016

Via email – [DBench@rsk.co.uk](mailto:DBench@rsk.co.uk)

Dear Mr Bench,

## **Environmental Information Regulations M1 Junction 15 Bypass and Main site Information Request**

Please see our replies to your query below for both the Main Site and the M1 Junction 15 bypass (hereafter referred to as “the sites”) -

1. Is the site or any parts of the currently designated as Contaminated Land?

**South Northamptonshire Council has not designated the sites or any parts of the sites “Contaminated Land” as defined in Part 2a of the Environmental Protection Act 1990.**

2. If the site or any part thereof is considered contaminated please provide documentary evidence detailing the following:

- The type and extent of contamination believed or proved to be present.
- The receptors, which are deemed to be at risk.
- Details of the pollutant linkages between the source of contamination and receptors.
- Any details of proposed or required remedial actions.

**South Northamptonshire Council does not consider any parts of the sites “Contaminated Land” as defined in the Environmental Protection Act 1990.**

3. Has responsibility for the site or any part thereof been passed over to the Environment Agency? If so please detail reasons and provide contact information.

**South Northamptonshire Council has not passed responsibility of the sites or any parts there-of to the Environment Agency for any reason.**

4. Is the site or any part thereof likely to be considered to be contaminated land at some future date? If so please provide details and reasons. Documentary evidence as noted above is also requested (as per question 2).



INVESTOR IN PEOPLE

**Jackie Fitzsimons Interim Public Protection &  
Environmental Health Manager**

We will show strong leadership across South Northamptonshire, to preserve what is special, protect the vulnerable and enhance performance.



**South Northamptonshire Council does not consider the sites or any parts there-of likely to be Contaminated Land as defined in Part 2a of the Environmental Protection Act 1990.**

5. Has the site or any part thereof ever formerly been considered as contaminated land but sufficient remedial action to satisfy the enforcing authority taken place? If so please provide documentary evidence detailing the following:-

- What the initial problem was.
- What remedial action has taken place.
- Implications and responsibilities this poses for the landowner in respect of site management or monitoring.

**South Northamptonshire Council has not formerly considered the sites or any parts there-of as Contaminated Land as defined in Part 2a of the Environmental Protection Act 1990.**

6. Please define the assigned Land Use Classification for the site or parts of the site areas based upon land use and history. If not defined please define the most appropriate classes.

**The assigned Land Use Classifications for both sites are generally Agricultural Land.**

7. Please provide a copy of your Contaminated Land Strategy or link to the strategy if on line.

**South Northamptonshire Council's Contaminated Land Strategy can be found at the link below.**

<http://www.southnorthants.gov.uk/2279.htm>

8. Is the site or any part thereof (or has the site been) a registered landfill (open or closed) or does it lie within 500m of a known landfill? If so, are there any landfill gas monitoring records that could be made available?

**The sites are not registered landfills and no parts of either site are registered landfills. The sites however lie with 500m of 2 registered landfill sites.**

- a. **The Simplex Works (Site reference S/76/001,2800/5418 – EA reference EAHLD02283) which was licenced to collect waste from the adjacent Pianoforte Supplies complex on Ashton Road in Roade.**
- b. **The Old Roade Quarry (Site reference 2800/0004 – EA reference EAHLD35665) also licenced to collect waste from the nearby Pianoforte Supplies Ltd.**

**There are extensive planning records including contaminated land investigations relevant to the above landfill sites and adjacent land. These records can be made available for viewing at the council offices if necessary.**

9. Does the Council have any information which indicates that the site or neighbouring sites may be Contaminated Land within the meaning given by Section 57 of the Environment Act 1995? If so, please provide full details.



**South Northamptonshire Council does not have any information that indicates the sites or neighbouring sites may be “Contaminated Land” as defined in Part 2a of the Environmental Protection Act 1990.**

10. Has the council had cause to inspect the property or neighbouring property or taken any other action for the purpose of determining whether the property or neighbouring land may be Contaminated Land or in connection with the preparation of a Remediation Notice? If so, please supply full details.

**South Northamptonshire Council has not had any cause to inspect the sites or neighbouring sites for the purposes of determining whether they may be “Contaminated Land” as defined in Part 2a of the Environmental Protection Act 1990 or in connection with the preparation of a Remediation Notice.**

11. Has the Council ever had cause to take any other action arising out of the state or condition of the property or neighbouring land? If so please provide details.

**South Northamptonshire Council has not had any cause to take any action arising out of the state/ condition of the property or neighbouring land under Part 2a of the Environmental Protection Act 1990.**

12. Has the Council ever received any complaints relating to such matters? If so, please supply full details.

**South Northamptonshire Council has not received any complaints relating to determination of the site or neighbouring property as “Contaminated Land” as defined by Part 2a of the Environmental Protection Act 1990**

13. Any other relevant data on the site regarding it's previous usage such as incidents of spillage's etc, exploratory data etc that may be relevant to our study? If so please provide details.

**South Northamptonshire Council is not aware of any exploratory data or spillage incidents relating to the site. The applicant is advised to contact the Environment Agency in order to find out what records are held regarding the site.**

The above information is related strictly to Environmental Protection files which are subject to continuous updating. If you would like clarification on any of the information provided please feel free to contact me.

Thank you for your payment of £58.00 to cover our administrative costs.

Yours sincerely

Romero Okikiade  
Environmental Protection Officer



Abbey Park  
Humber Road  
Coventry  
CV3 4AQ  
UK

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Fax: +44 (0)24 7650 1417  
[www.rsk.co.uk](http://www.rsk.co.uk)

02<sup>nd</sup> October 2014

Our reference: 312598 03 (00) Animal BS

**AHVLA Midlands  
Saffron House  
Tigers Road  
Wigston  
Leicester  
LE18 4UY**

[ahromidlands@ahvla.gsi.gov.uk](mailto:ahromidlands@ahvla.gsi.gov.uk)

Dear Sirs/Madam

We have been commissioned as Consultants to carry out a Preliminary Sources Study Report for the proposed new commercial site located off the M1 junction 15. An original enquiry was made on 2<sup>nd</sup> October 2014 our reference 312494 02(00) CL. From our original enquiry the western and southern boundary has now been extended.

The site is located off the A508, just off the M1 Junction 15 and we understand that this lies within your regulatory district area. A site location plan and separate site boundary plan are attached to define the exact site area under consideration.

In order to help us with our assessments we would be grateful if you would be able to consult your records and provide us a formal written response to the following queries and questions pertaining to the site and immediate area with a radius of 250m;

- Please can you confirm if there is any information that suggest that the site, parts of the site or areas surrounding the site, have ever been used for animal burials, tanneries, slaughter houses, knackers' yards and the processing of any animal by-product, etc.?

We understand there is unlikely to be a direct fee charge for this information. However, please advise us of any ancillary costs that might occur in providing this information so that relevant instruction and order numbers can be arranged.

This information is required urgently and we would like to thank you in advance for your co-operation in this study.

Your sincerely

**For RSK Company Limited**

Darren Bench

Associate Director

Encl

- Fig 1 Site Location Plan



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**Animal &  
Plant Health  
Agency**

APHA Midlands Office  
Saffron House  
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Leicestershire  
LE18 4UY

**Tel:** 03000 200 301  
**Fax:** 0116 2770153  
**Website:**  
[www.gov.uk/apha](http://www.gov.uk/apha)

Marc Dixon  
Principal Geoenvironmental Engineer  
RSK  
Humber Road  
Abbey Park  
Coventry  
CV3 4AQ

**Our ref:** 21/63/0013H  
**Your reference:**

**Date:** 16<sup>th</sup> September 2016

Dear Mr Dixon,

**NOTIFIABLE DISEASE BURIAL SITES – M1 JUNCTION 15 - MAIN  
DEVELOPMENT SITE  
ANIMAL HEALTH ACT 1981  
ANIMALS (MISCELLANEOUS PROVISIONS) ORDER 1927**

Thank you for your enquiry received 6<sup>th</sup> September 2016. We have no record of a notifiable disease burial site, tannery or knackers yard at the location mentioned. However, I regret that our records are incomplete so we cannot give absolute assurance.

If sites are disturbed, there may be implications under the Control of Pollution Act and in this respect I suggest that you contact the appropriate authorities. In the event that animal remains are discovered in the course of land excavation, work should cease immediately and you should report the occurrence or your suspicions to this office. A licence will be required under the above legislation to enable the remains to be excavated and be re-buried in a secure disposal site.

Animal & Plant Health Agency is not in a position to give any further reassurance in respect of the suitability of the land for development.

Please let me know if further assistance is required.

Yours faithfully

**Emma Shipman**

For the Veterinary Head of Field Delivery

Corporate Office: [APHA, Block C, Government Buildings, Whittington Road, Worcester WR5 2LQ](#)  
[t +44\(0\)1905 763355](tel:+44(0)1905763355) [f +44\(0\)1905 768851](tel:+44(0)1905768851) [e corporate.centre@apha.gsi.gov.uk](mailto:corporate.centre@apha.gsi.gov.uk)

The Animal and Plant Health Agency is an Executive Agency of the Department for Environment, Food and Rural Affairs working to safeguard animal and plant health for the benefit of people, the environment and the economy.

[www.gov.uk/apha](http://www.gov.uk/apha)

## Darren Bench

---

**From:** Laura Davidson [LDavidson@northamptonshire.gov.uk]  
**Sent:** 13 September 2016 14:12  
**To:** Darren Bench  
**Cc:** Mark Chant  
**Subject:** RE: 313418 M1 Junction 15 West - Revised NSIP application

Hi Darren,

Thank you for sending the information through for M1 Junction 15 West - Revised NSIP application. I can confirm we have no objections to the proposal on the basis of it being located within a Mineral Safeguarding Area.

The letter you sent on 20<sup>th</sup> April 2015 provided evidence that the application S/2014/2468/EIA satisfied Policies 32 and 34 of the MWLP. As this revised proposal has a similar boundary to that application we are also satisfied that it meets these policies.

Kind regards,

Laura Davidson

Senior Planner  
Northamptonshire County Council  
Tel: (01604) 367214  
E-mail: ldavidson@northamptonshire.gov.uk



---

**Sent:** 12 September 2016 12:29  
**To:** Mark Chant <MChant@northamptonshire.gov.uk>; Laura Davidson <LDavidson@northamptonshire.gov.uk>  
**Cc:** Ian.Rigby@roxhill.co.uk; Steve@oxalisplanning.co.uk  
**Subject:** 313418 M1 Junction 15 West - Revised NSIP application

Mark/Laura

I hope you are both well.

Laura as discussed earlier;

We have recently been advised that the M1 Junction 15 site development has been rectified and the development team are preparing to submit a new scheme development plan which is more extensive than the first which was consulted upon previously (S/2014/2468/EIA).

The scheme now involves an extended main development area extending further west to the railway including a rail freight interchange, the site area also extends further south west. It also involves a proposed new bypass around the village of Roade. Due to the size of the scheme it now seems to be going down the Government Planning Inspectorate Route (PINS) and is being classed as a National Strategic Infrastructure Project (NSIP). High level discussions have been had with PINS and I understand local planners too and I understand that there is broad support for the scheme. However the project has not yet been registered officially with PINS but work is on going on that at this time and I understand that registration is imminent.

The evolving scheme plans are attached for preliminary information and consultation. Please be advise that the scheme design is still evolving at this time and the plans in the attached may not be the very latest versions, however it is only likely that minor changes would be made.

As discussed RSK as before for the original application are providing advice on ground related matters including supporting the wider design team on master planning, EIA chapters on ground conditions and providing contaminated land and geotechnical assessments and input. In doing these we are in the process of preparing and undertaking the following key elements of works:

- Preliminary Risk Assessment (Desk Study) for the extended main site
- Preliminary Risk Assessment (Desk Study) for the bypass
- ES Chapter : Geology & Soils

These documents when complete will be submitted in support of the application and EIA in due course when the application is brought forward and these become available.

To assist I have attached the following plans;

- 313418 Road Bypass ; Site Location & extents of the likely highway (to cover several route options)/superficial and solid geology – This areas does not affect any Mineral Safeguarding areas.
- 313418 Main Site Development ; Site Location/development plan (evolving) superficial and solid geology, hazards and available BGS holes and MSA.
- 312598 Original Ground Investigation drawings (full report provided previously)

We have the benefit of and reliance upon the detailed ground investigation carried out upon the main site for the original application which we sent to you previously. This confirmed the BGS plans and showed significant depths of Glacial Till covering over localised gravel resources which were present at significant depths. This Glacial Till cover extends across the sand and gravel resources in the extended site area now proposed.

Also attached is a copy of the letter we provided in answer to some queries on the MSA issues and your email acceptance of the arguments we put forward.

It is our view at this time that the arguments posed previously remain unchanged.

We therefore presume that your position on acceptance of the original scheme will remain unchanged and we seek assurances that this would be the case.

Assuming this is the case and that the scheme is submitted formerly to PINS then the planning would proceed under the PINS process. As I understand it this requires the development team to obtain signed up **statements of common ground** from statutory consulties and we would seek to do that in due course, subsequent to finalising and providing you the revised PRA and EIA statements.

In light of the above and attached we seek your initial views on the attached scheme and would welcome your input by return so that we may address any concerns you may still have within our EIA and through formal and direct correspondence if required. If you have any remaining concerns I am sure we could arrange to meet with you.

We look forward to hearing back from you with your initial views tomorrow or Wednesday as agreed.

Many Thanks

Kind Regards

---

---

**Darren Bench**  
Associate Director  
Team Leader  
Midlands & South West

**RSK**

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# **APPENDIX I SITE PHOTOGRAPHS AND WALKOVER SURVEY**

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<i>PHOTOGRAPHIC LOG</i>		
<b>Photo No.</b>	<b>Date:</b>	
<b>1</b>	8/08/13	
<b>Description:</b>		
View north from the area formerly occupied by the buildings named 'The Slade'. Showing fields, and access track leading to a telecoms mast.		

<b>Photo No.</b>	<b>Date:</b>	
<b>2</b>	8/08/13	
<b>Description:</b>		
View east over fields from the area formerly occupied by the buildings named 'The Slade'.		



<b>Photo No.</b>  <p style="text-align: center;"><b>3</b></p>	<b>Date:</b>  <p>8/08/13</p>	
<b>Description:</b>  <p>View north east over fields from the area formerly occupied by the buildings named 'The Slade'.</p>		

<b>Photo No.</b>  <p style="text-align: center;"><b>4</b></p>	<b>Date:</b>  <p>8/08/13</p>	
<b>Description:</b>  <p>View south across the area formerly occupied by 'The Slade', now used to stockpile felled trees and hedgerow cuttings.</p>		

<p><b>Photo No.</b></p> <p><b>5</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View south east from near the north of the centre of the site.</p>		

<p><b>Photo No.</b></p> <p><b>6</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View west from near the centre of the site. Along an access track and fields.</p>		

<p><b>Photo No.</b></p> <p><b>7</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View north from near the centre of the site. Beyond the access track over fields.</p>		

<p><b>Photo No.</b></p> <p><b>8</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View of the stockpiled crushed material in the centre of the site. The material appears to be used to renew the access tracks around the site.</p>		


<b>Photo No.</b>  <p style="text-align: center;"><b>9</b></p>	<b>Date:</b>  <p style="text-align: center;">8/08/13</p>	
<b>Description:</b>  <p>View north east, past the stockpiles materials, through to the area formerly occupied by 'The Slade'.</p>		

<b>Photo No.</b>  <p style="text-align: center;"><b>10</b></p>	<b>Date:</b>  <p style="text-align: center;">8/08/13</p>	
<b>Description:</b>  <p>View north east, from along the main access track, just north west of the centre of the site.</p>		

<p><b>Photo No.</b></p> <p><b>11</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View south across fields, looking towards the wooded area associated with the gun club.</p>		

<p><b>Photo No.</b></p> <p><b>12</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View north from the main access track, looking up the eastern edge of the most westerly field at the site.</p>		

<p><b>Photo No.</b></p> <p><b>13</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View west, from the access track, towards the westerly boundary of the site.</p>		

<p><b>Photo No.</b></p> <p><b>14</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View of fields to the south west of the site, currently cropped with beans.</p>		

<p><b>Photo No.</b></p> <p><b>15</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View south, down the main access track, with bean cropped fields to the west and wood associated with the gun club to the east.</p>		

<p><b>Photo No.</b></p> <p><b>16</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>Looking north towards the gun club buildings.</p>		

<b>Photo No.</b>  <b>17</b>	<b>Date:</b>  8/08/13	
<b>Description:</b>  View north west, past the gun club buildings along the access track, with bean cropped fields to the west.		

<b>Photo No.</b>  <b>18</b>	<b>Date:</b>  8/08/13	
<b>Description:</b>  View east, from gun club, through gate allowing access to the wood and pond associated with the gun club.		




<p><b>Photo No.</b></p> <p><b>19</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View south along the access track, away from the gun club.</p>		

<p><b>Photo No.</b></p> <p><b>20</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View of the derelict farm buildings, east of the centre of the site.</p>		

<b>Photo No.</b>  <b>21</b>	<b>Date:</b>  8/08/13	
<b>Description:</b>  Additional view of the derelict farm buildings, located east of the centre of the site.		

<b>Photo No.</b>  <b>22</b>	<b>Date:</b>  8/08/13	
<b>Description:</b>  View west along the access from the A508.		

<p><b>Photo No.</b></p> <p><b>21</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View of the access gate and signage into the site, off the A508.</p>		

<p><b>Photo No.</b></p> <p><b>22</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View north along the A508, towards the M1 Junction 15.</p>		

<p><b>Photo No.</b></p> <p><b>23</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View south along the A508 towards the town of Roade.</p>		

<p><b>Photo No.</b></p> <p><b>24</b></p>	<p><b>Date:</b></p> <p>8/08/13</p>	
<p><b>Description:</b></p> <p>View looking west of an additional access to site from the A508, with locked gate and access track to the derelict farm buildings, east of the centre of the site.</p>		

<p><b>Photo No.</b></p> <p><b>25</b></p>	<p><b>Date:</b></p> <p>21/7/16</p>	
<p><b>Description:</b></p> <p>View looking south of the extended boundary by the railway line via a public path. Fields contain animals in..</p>		

<p><b>Photo No.</b></p> <p><b>26</b></p>	<p><b>Date:</b></p> <p>21/7/16</p>	
<p><b>Description:</b></p> <p>View looking north of the extended boundary by the railway line via a public path. Fields contain animals in.</p>		

<b>Photo No.</b>  <b>27</b>	<b>Date:</b>  21/7/16	
<b>Description:</b>  View looking north at the railway which forms the western boundary of the site.		

## WALKOVER SURVEY CHECKLIST

**Location: M1 J15 Ex Boundary Project number: 313418 NGR: 474940 254715**

These inspections can provide useful information on:

- Potential geotechnical hazards
- Suitable and appropriate locations for investigation
- The groundwater and surface water environments
- Potentially sensitive receptors (targets) including issues that require further investigation, e.g. ecology surveys
- Potential sources of contaminants
- Nature of contamination
- Potential migration routes (pathways)

Mark locations of features described on a map and give them a reference number.

Describe features in as much detail as possible. Continue on the back of the checklist if necessary, using the feature letter for reference. Take photos of site and relevant features in immediate surrounding area.

The walkover survey can also provide information for the environmental consultant in planning the site investigation.

Points that should be addressed in a walkover survey are as follows:

Features	Description
a) Describe materials exposed in nearby road or railway cuttings, in pits and quarries and natural exposures of soils and rocks near to the site.	NA  Slopes of the railway cutting were heavily vegetated and no areas of exposed soil were visible.
b) Describe surrounding properties/land use.	Most of the surrounding site is arable farming. Also adjacent to the site is the M1 (north), the A508 (east), and a railway line in a cutting (west).
c) Describe present land use	Currently used for arable farming with hedgerows. There is also a gun club which has a shooting range located near the south of the site. There is also a derelict farm buildings located to the east of the site. Around the boundary of the site are mature trees or hedgerows. And also two areas of woodlands.

## WALKOVER SURVEY CHECKLIST Continued

**Location: M1 J15 Ex Boundary Project number: 313418 NGR: 474940 254715**

Features	Description
d) Describe the site in terms of ground slopes and changes in slope.	The land is gently undulating with a general rise from the southern extent to the north western corner.
e) Describe the types and condition of surface vegetation.	Generally farmed fields and access tracks. Some areas of woodland are present. No unhealthy or invasive plant species noted.
f) Note the number, location, height and species of trees and hedges.	Numerous deciduous and coniferous mature trees across the site, along hedgerows and within woodland areas.
g) Describe any evidence of animal activity.	None noted during walkover. Ecology surveys remain separate.



## WALKOVER SURVEY CHECKLIST Continued

**Location: M1 J15 Ex Boundary Project number: 313418 NGR: 474940 254715**

Features	Description
h) Describe any damage to existing structures on site or adjacent to the site	<p>The derelict farm buildings located east of the centre of the site are in a reasonable state of repair although the stone buildings are missing sections of roof and have significant cracking in the walls, while the metal barn style buildings have loose sections of sheet roofing and wall panels.</p> <p>While unable to inspect due to height, roofing material may contain ACMs</p>
i) Note the remains of structures that have been demolished. Look for evidence of remnants of any historic structures.	None noted.
j) Note any abrupt changes in ground level.	None on site, although railway cutting is present immediately west of the site.
k) Note any surface hollows.	NA
l) In areas of country underlain by coal or other minerals note any hummocky ground.	NA

## WALKOVER SURVEY CHECKLIST Continued

**Location: M1 J15 Ex Boundary Project number: 313418 NGR: 474940 254715**

Features	Description
m) Note any evidence of gas from nearby landfill sites	None noted
n) Note the location of streams, ponds, seepages and sinks and signs of previous flooding.	Unnamed brook located within a ditch in the southern part of the site.
o) All surface waters should be examined for evidence of contamination.	None noted
p) Note any discoloured ground.	None noted
q) Identify any old structures, pipework etc. wherever possible and, if safe, inspect for evidence of stored waste.	None noted
r) Examine surrounding areas for evidence of contamination which could migrate onto the site.	None noted
s) Note the presence of any underground structures, services, mine workings, tunnels etc	None noted



## WALKOVER SURVEY CHECKLIST Continued

Location: M1 J15 Ex Boundary Project number: 313418 NGR: 474940 254715

Features	Description
t) Note any anecdotal information in past uses of the site.	None noted
u) Identify potential access routes to the site for plant for the site investigation	Access from the A508. Access along tracks adjacent to fields around the site. Fields may be soft and if subjected to heavy rain may become boggy.
v) Evidence of buried services (water, gas, electricity, telephone, cable, television, pipelines)	Marker indicating underground services located in the east of the site, associated with the gas and water mains located in that area.

Walkover survey completed by Darren Bench Aug 2013

Updated for extended site areas from public rights of way and highways by Loren Moody Jul 2016



# **APPENDIX J**

## **HISTORIC 2014 SEARCH RESPONSES**

---



Abbey Park  
Humber Road  
Coventry  
CV3 4AQ  
UK

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Fax: +44 (0)24 7650 1417  
[www.rsk.co.uk](http://www.rsk.co.uk)

02<sup>nd</sup> October 2014

Our reference: 312598 02 (00) CL

Trevor Dixon  
Contaminated Land Officer  
South Northamptonshire Council,  
Springfields,  
Towcester,  
Northampton  
NN12 6AE

[trevor.dixon@southnorthants.gov.uk](mailto:trevor.dixon@southnorthants.gov.uk)

312598 M1 Junction 15 – Contaminated Land

### Consultation and Request For Information

Dear Trevor,

We have been commissioned as Consultants to carry out a Preliminary Sources Study Report for the proposed new commercial site located off the M1 junction 15.

The site is located north of the A508, just west of the M1 Junction 15 and we understand that this lies within your regulatory district area. A site location plan and separate site boundary plan are attached to define the exact site area under consideration

In order to help us with our assessments we would be grateful if you would be able to consult your records and provide us a formal written response to the following queries and questions;

1. Is the site or any parts of the currently designated as Contaminated Land?
2. If the site or any part thereof is considered contaminated please provide documentary evidence detailing the following:
  - The type and extent of contamination believed or proved to be present.
  - The receptors, which are deemed to be at risk.
  - Details of the pollutant linkages between the source of contamination and receptors.
  - Any details of proposed or required remedial actions.
3. Has responsibility for the site or any part thereof been passed over to the Environment Agency? If so please detail reasons and provide contact information.
4. Is the site or any part thereof likely to be considered to be contaminated land at some future date? If so please provide details and reasons. Documentary evidence as noted above (Ques 2) is also requested (as per question 2).



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5. Has the site or any part thereof ever formerly been considered as contaminated land but sufficient remedial action to satisfy the enforcing authority taken place? If so please provide documentary evidence detailing the following:-
  - What the initial problem was.
  - What remedial action has taken place.
  - Implications and responsibilities this poses for the landowner in respect of site management or monitoring.
6. Please define the assigned Land Use Classification for the site or parts of the site areas based upon land use and history. If not defined please define the most appropriate classes.
7. Please provide a copy of your Contaminated Land Strategy or link to the strategy if on line.
8. Is the site or any part thereof (or has the site been) a registered landfill (open or closed) or does it lie within 500m of a known landfill? If so, are there any landfill gas monitoring records that could be made available?
9. Does the Council have any information which indicates that the site or neighbouring sites may be Contaminated Land within the meaning given by Section 57 of the Environment Act 1995? If so, please provide full details.
10. Has the council had cause to inspect the property or neighbouring property or taken any other action for the purpose of determining whether the property or neighbouring land may be Contaminated Land or in connection with the preparation of a Remediation Notice? If so, please supply full details.
11. Has the Council ever had cause to take any other action arising out of the state or condition of the property or neighbouring land? If so please provide details.
12. Has the Council ever received any complaints relating to such matters? If so, please supply full details.
13. Any other relevant data on the site regarding it's previous usage such as incidents of spillage's etc, exploratory data etc that may be relevant to our study? If so please provide details.

We understand there is no direct fee charge for this information. However, please advise us of any ancillary costs that might occur in providing this information so that relevant instruction and order numbers can be arranged.

This information is required urgently and we would like to thank you in advance for your co-operation in this study.

Yours Sincerely,

**For RSK Company Limited**

Darren Bench

Associate Director

Encl: Fig 1 Site Location



# South Northamptonshire Council

Springfields Towcester Northants NN12 6AE  
www.southnorthants.gov.uk

Darren Bench  
RSK Environment Ltd,  
34 Albyn Place,  
Aberdeen,  
Aberdeenshire,  
AB10 1FW

Your Ref: 312598 02 (00) CL  
Our Ref: WK/201407622  
Ask For: Trevor Dixon  
Direct Dial: 01327 322279  
Direct Fax:  
Email: Trevor.dixon@southnorthants.gov.uk  
Date: 16 October 2014

Dear Darren,

## 312598 M1 Junction 15 – Contaminated Land

In response to your enquiry Environmental Protection has the following information on file:

1. The site or any parts are not currently designated as contaminated land.
2. As 1 above.
3. As 1 above.
4. We have no cause at the present time to inspect or take action for the purposes of declaring this site, or surrounding sites, as 'Contaminated Land' under Part IIA of the Environmental Protection Act 1990.
5. We have no record that the site or any part thereof has formerly been considered as contaminated land or that any remedial action has been taken in respect of the site or any part thereof.
6. Agricultural
7. <http://www.southnorthants.gov.uk/2279.htm>
8. There are no records on file that the site or any part thereof is or has been a registered landfill. A nearby site (grid reference 475838/25998) was formally a landfill and licensed for category A, B, C, D, and F wastes. The site stopped receiving waste in 1997 and was closed in 2001. A planning application was submitted for this site, including a ground investigation report, in 2007. The application was dealt with by the West Northamptonshire Development Corporation, Northamptonshire County Council and all reports are held by them.
9. We have no information on file which indicates that the site or neighbouring sites may be Contaminated Land within the meaning given by Section 57 of the Environment Act 1995.
10. We have had no cause to inspect the property or neighbouring property or taken any other action for the purpose of determining whether the property or neighbouring land may be Contaminated Land or in connection with the preparation of a Remediation Notice.



INVESTOR IN PEOPLE

**Jackie Fitzsimons Interim Public Protection &  
Environmental Health Manager**

We will show strong leadership across South Northamptonshire, to preserve what is special, protect the vulnerable and enhance performance.



11. We have had no cause to take any other action arising out of the state or condition of the property or neighbouring land.
12. We have not received any complaints relating to such matters.
13. We have no other relevant data on file regarding this site.

The answers to your questions are related strictly to Environmental Protection files and are subject to continuous updating. If you would like clarification on any of the information provided please feel free to contact me.

Thank you for your payment of £85.50.

Yours sincerely

Trevor Dixon  
Team Leader - Environmental Protection





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UK

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02<sup>nd</sup> October 2014

Our reference: 312598 03 (00) CL

Vicky Ellison  
Customers & Engagement Officer  
Environment Agency  
Lincolnshire and Northamptonshire Area  
Waterside House  
Waterside North  
Lincoln,  
LN2 5HA

[vicky.ellison@environment-agency.gov.uk](mailto:vicky.ellison@environment-agency.gov.uk)

312598 M1 Junction 15 – Contaminated Land

### Consultation and Request For Information

Dear Vicky,

We have been commissioned as Consultants to carry out a Preliminary Sources Study Report for the proposed new commercial development site located off the M1 junction 15.

The site is located north of the A508, just west of the M1 Junction 15 and we understand that this lies within your regulatory district area. A site location plan and separate site boundary plan are attached to define the exact site area under consideration

In order to help us with our assessments we would be grateful if you would be able to consult your records and provide us a formal written response to the following queries and questions;

1. Is the site or any parts of the currently designated as Contaminated Land?
2. If the site or any part thereof is considered contaminated please provide documentary evidence detailing the following:
  - The type and extent of contamination believed or proved to be present.
  - The receptors, which are deemed to be at risk.
  - Details of the pollutant linkages between the source of contamination and receptors.
  - Any details of proposed or required remedial actions.
3. Has responsibility for the site or any part thereof been passed over to the Environment Agency? If so please detail reasons and provide contact information.



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4. Is the site or any part thereof likely to be considered to be contaminated land at some future date? If so please provide details and reasons. Documentary evidence as noted above (Ques 2) is also requested (as per question 2).
5. Has the site or any part thereof ever formerly been considered as contaminated land but sufficient remedial action to satisfy the enforcing authority taken place? If so please provide documentary evidence detailing the following:-
  - What the initial problem was.
  - What remedial action has taken place.
  - Implications and responsibilities this poses for the landowner in respect of site management or monitoring.
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7. Please provide a copy of your Contaminated Land Strategy or link to the strategy if on line.
8. Is the site or any part thereof (or has the site been) a registered landfill (open or closed) or does it lie within 500m of a known landfill? If so, are there any landfill gas monitoring records that could be made available?
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11. Has the Council ever had cause to take any other action arising out of the state or condition of the property or neighbouring land? If so please provide details.
12. Has the Council ever received any complaints relating to such matters? If so, please supply full details.
13. Any other relevant data on the site regarding it's previous usage such as incidents of spillage's etc, exploratory data etc that may be relevant to our study? If so please provide details.

We understand there is no direct fee charge for this information. However, please advise us of any ancillary costs that might occur in providing this information so that relevant instruction and order numbers can be arranged.

This information is required urgently and we would like to thank you in advance for your co-operation in this study.

Yours Sincerely,

**For RSK Company Limited**

Darren Bench

Associate Director

Encl: Fig 1 Site Location

Darren Bench  
RSK  
Abbey Park  
Humber Road  
Coventry  
CV3 4AQ

**Our ref:** AN/2014/120446/01-L01  
**Your ref:** 312598  
**Date:** 05 November 2014

Dear Darren

**Preliminary Opinion - Proposed development - Contaminated Land enquiry  
M1 Junction 15 Northampton**

Thank you for your recent enquiry regarding the above proposed development, which was received on 07 October 2014.

Having looked at your proposed scheme we consider the controlled waters at the site are of low environmental sensitivity, with the site area being underlain by unproductive strata. We are not aware of any contamination issues at the site.

Therefore your letter should be directed to the Local Authority as they are the lead regulator for most land contamination issues and are better placed to respond to the questions.

Should you require any additional information, or wish to discuss these matters further, please do not hesitate to contact me on the number below.

Yours faithfully

**Kerrie Ginns**  
**Sustainable Places - Planning Adviser**  
Direct dial 01536 385159  
Direct e-mail [kerrie.ginns@environment-agency.gov.uk](mailto:kerrie.ginns@environment-agency.gov.uk)



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02<sup>nd</sup> October 2014

Our reference: 312598 04 (00) Animal BS

**AHVLA Midlands  
Saffron House  
Tigers Road  
Wigston  
Leicester  
LE18 4UY**

[ahromidlands@ahvla.gsi.gov.uk](mailto:ahromidlands@ahvla.gsi.gov.uk)

Dear Sirs/Madam

We have been commissioned as Consultants to carry out a Preliminary Sources Study Report for the proposed new commercial development site located off the M1 junction 15.

The site is located north of the A508, just west of the M1 Junction 15 and we understand that this lies within your regulatory district area. A site location plan and separate site boundary plan are attached to define the exact site area under consideration.

In order to help us with our assessments we would be grateful if you would be able to consult your records and provide us a formal written response to the following queries and questions pertaining to the site and immediate area with a radius of 250m;

- Please can you confirm if there is any information that suggest that the site, parts of the site or areas surrounding the site, have ever been used for animal burials, tanneries, slaughter houses, knackers' yards and the processing of any animal by-product, etc.?

We understand there is unlikely to be a direct fee charge for this information. However, please advise us of any ancillary costs that might occur in providing this information so that relevant instruction and order numbers can be arranged.

This information is required urgently and we would like to thank you in advance for your co-operation in this study.

Your sincerely

**For RSK Company Limited**

Darren Bench

Associate Director

Encl

- Fig 1 Site Location Plan



RSK Environment Ltd  
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Registered in Scotland No. 115530  
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**Animal &  
Plant Health  
Agency**

APHA Midlands Office  
Saffron House  
Tigers Road  
Wigston  
Leicestershire  
LE18 4UY

**Tel:** 0116 2787451  
**Fax:** 0116 2770153  
**Website:**  
[www.gov.uk/apha](http://www.gov.uk/apha)

RSK  
Abbey Park  
Humber Road  
Coventry  
CV3 4AQ

**Our ref:** 21/63/0013G  
**Your reference:**

**Date:** 17<sup>th</sup> October 2014

Dear Sir/Madam

**NOTIFIABLE DISEASE BURIAL SITES – M1 Junction 15 West, Northampton  
(Northampton Gateway)  
ANIMAL HEALTH ACT 1981  
ANIMALS (MISCELLANEOUS PROVISIONS) ORDER 1927**

Thank you for your enquiry received 7<sup>th</sup> October 2014. We have no record of a notifiable disease burial site, tannery or knackers yard at the location mentioned. However, I regret that our records are incomplete so we cannot give absolute assurance.

If sites are disturbed, there may be implications under the Control of Pollution Act and in this respect I suggest that you contact the appropriate authorities. In the event that animal remains are discovered in the course of land excavation, work should cease immediately and you should report the occurrence or your suspicions to this office. A licence will be required under the above legislation to enable the remains to be excavated and be re-buried in a secure disposal site.

Animal Health is not in a position to give any further reassurance in respect of the suitability of the land for development.

Please let me know if further assistance is required.

Yours sincerely

*Emma Shipman*

For the Regional Operational Director

Corporate Office: APHA, Block C, Government Buildings, Whittington Road, Worcester WR5 2LQ  
t +44(0)1905 763355 f +44(0)1905 768851 e [corporate.centre@apha.gsi.gov.uk](mailto:corporate.centre@apha.gsi.gov.uk)

The Animal and Plant Health Agency is an Executive Agency of the Department for Environment, Food and Rural Affairs working to safeguard animal and plant health for the benefit of people, the environment and the economy.

[www.gov.uk/apha](http://www.gov.uk/apha)

20<sup>th</sup> April 2015

Our reference: 312598 05 (00) MS

Laura Davidson / Mark Chant  
Minerals and Waste Planner  
Northamptonshire County Council,  
Guildhall Road Block,  
County Hall  
Northampton  
NN1 1DN

**RE: S/2014/2468/EIA**

**M1 Junction 15 – Mineral Safeguarding Issues**

Dear Laura,

Further to your letter dated 6<sup>th</sup> January 2015 forwarded to us via Suzanne Taylor the Principal Planning officer 26<sup>th</sup> March 2015, we write to address the issues you raise with respect to how the proposed development complies with Northamptonshire Minerals and Waste Local Plan (MWLP) (adopted October 2014) Policies 32 and 34. More specifically how it complies and addresses the issues related to Policy 32 and Policy 34.

In order to address this issue it is first important to confirm the wording of the individual policies;

**Policy 32**

*Development of a significant nature within Mineral Safeguarding Areas will have to demonstrate that the sterilisation of proven mineral resources of economic importance will not occur as a result of the development, and that the development would not pose a serious hindrance to future extraction in the vicinity. If this cannot be demonstrated, prior extraction will be sought where practicable”.*

This policy goes on to state that;

*“Development of a non mineral related nature within a Mineral Safeguarding Area which is not compatible with the safeguarding of minerals should not proceed unless;*

- *It can clearly be demonstrated that the mineral concerned is no longer of value*
- *Or that substantial economically viable deposits of a similar quality exist elsewhere in the county*
- *Or the mineral can be extracted where practicable prior to the development taking place*
- *Or the incompatible development is of a temporary nature and can be restored to a condition that does not inhibit extraction*
- *The development of a minor nature*
- *There is an overriding need for the development.”*

*Significant development is defined to be redevelopment of commercial or industrial sites over 1Ha or more.*

Available information indicates;

- The mineral safeguarding in this area is aimed at being protective of glaciofluvial sand and gravel resources.
- The site sits at levels of between 102 to 80m AOD.
- The ground investigation undertaken upon the site indicates that a mantle of topsoil, subsoil and cohesive Glacial Till up to 11.7m thick is present above any granular Glaciofluvial deposits.
- The Glaciofluvial deposits are highly variable in grading, being locally cohesive in nature, variable in thickness and distribution being absent in many areas beneath the site in the southern part of the site.
- A regional groundwater table appears to be present within the Glaciofluvial deposits at between 79 and 80m AOD which would limit extraction to less than 3m without the requirement for significant dewatering.
- The application site is not allocated or permitted as a future site to provide resource to the county within the 20 year plan.
- Sufficient resources have been identified within the county and “permitted” or “allocated” to provide the required future resource and land bank requirements within the county over the 20 year life of the plan (to 2031) which is providing 13 years more than the required resource suggested to be required by current central government guidelines.
- The site sits within a large swathe of Minerals Safeguarding Area and is relatively insignificant in area to the areas identified for safeguarding.
- The British Geological Survey Mineral Resource Information for development plans Northamptonshire: Resources and Constraints document revealed quite extensive concealed glacial sand and gravel resources, approximately doubling the previously known extent of resources within this area which demonstrates that sand and gravel resources are not scarce within the county.
- Northamptonshire County Council Minerals and waste Local Plan Submission Document: Local Aggregates Assessment 2013 demonstrates a significant decline in the sales of Sand and Gravels between 2002 and 2011 with needs dropping from 0.9M tonnes in 2002 to 0.23M tonnes in 2011.
- Northamptonshire County Council Minerals and waste Local Plan Submission Document; This report also confirms that all but one of the seven surrounding Mineral Planning Authorities have land bank supplies of sand and gravel in excess of 7 years indicating that there is not a regional shortfall in supply availability. The report notes that the quality of the resource can limit extraction opportunities. Whilst it is reported that there had been a diversification from river terrace resources to greater emphasis on exploitation of glacial sands and gravels, it has been reported that the mineral extraction industry had to date (at the time of report) not put forward any applications to exploit glacial sands and gravel resources. It is reported that this is likely to be a result of the more variable and less economic nature of the deposits. The report later confirms that higher yields per hectare are likely to be achieved outside of the county suggesting that this fact makes it less economically feasible to exploit such resources within the County.
- Consultation of the BGS geological mapping and available BGS borehole records suggests that the Milton Malsor allocated site MA2 discussed above is not covered by a mantle of cohesive Oadby Member (Glacial Till) unlike the application site which is shown to be covered by a significant mantle of cohesive Oadby Member (Glacial Till).
- The mineral extraction industry has to date not put forward any applications to exploit glacial sands and gravel resources within Northamptonshire due to the variable quality.
- Higher yields per hectare for sand and gravel exploitation are likely to be achieved outside of Northamptonshire, suggesting that it less economically feasible to exploit such resources within the Northamptonshire.

Therefore when taking into account the information detailed above and the proposed development proposals it is considered that it would not be economic to undertake prior extraction due to;

- The thick mantle of cohesive Glacial Till (circa 6 -11m depth) overburden which overlies the localised areas of granular Glaciofluvial deposits beneath the northern parts of the site.
- The very mixed and poor quality of resource present being mixed with cohesive soils.
- The elevated groundwater table present within the Glaciofluvial deposits.

Prior extraction and removal of any resource before construction of the planned development (as per NCC policy) is not considered economically feasible, sustainable or environmentally suitable as the excavated materials would need to be replaced with a similar or better imported material to support the proposed development which will be sensitive to differential settlements. In addition the traffic movements to and from the site as a result of any such export and import of replacement materials would have a significant impact upon the already over capacity local highway network around the M1 Junction 15 area.

The Existing information and studies referenced earlier suggest that there are significant sand and gravel resources in the surrounding counties and Mineral Planning Authorities areas to cover the minimum future provision requirements of 7 years. Therefore there is no regional shortage of sand and gravel resources. The yields are reported to be greater in deposits within nearby counties, therefore it is considered less economic to undertake extraction of sand and gravel particularly from glacial sand and gravel sources within the Northamptonshire area.

Whilst it is acknowledged that the proposed development may be seen to sterilise a volume of potential sand and gravel resource within the Northamptonshire County Council Mineral Safeguarding Area there is clearly no shortage of resource elsewhere within Northamptonshire or the region with planned and allocated resources available for the next twenty years in clearly more economically viable areas.

Unlike the proposed development site, the allocated site immediately north of the application site boundary at Milton Malsor (MA2) is not covered by an overburden of cohesive Glacial Till making it easier to exploit the sand and gravel – however, that site still has not been exploited to date due to the economic viability and access issues.

We therefore consider that the proposed development should be permitted without the requirement to undertake prior removal of the mineral resource as we have demonstrated that it would not be economic or sustainable to remove the proposed mineral resource and that there is sufficient allocated and permitted mineral resources present elsewhere within the county and surrounding county areas for more than 20 years and that demand is diminishing not increasing.

With regard to the economic need for the development proposed, this is set out in other parts of the planning application. However, in brief there is a compelling economic case for the proposals which would enable the retention and expansion of a well-established and successful employer. Having undertaken a comprehensive site search, there are no alternative single sites able to accommodate the buildings required by Howdens.

### **Policy 34**

*Proposals for new development adjacent or in close proximity to committed or allocated minerals or waste related development (including associated rail head / links, wharfage, minerals storage / processing facilities and sewage treatment works) should only be permitted where it can be demonstrated that it would not adversely affect the continued operation of the facility or prevent or prejudice the use of the site.*

*Proposals for development considered to be incompatible with committed or allocated minerals or waste development will be required to undertake an assessment of potentially adverse impacts identifying practical measures, including the use of separation areas, for preventing the occurrence (either now or in the future) of land use conflict and potential adverse environmental effects resultant from ongoing occupation and usage (of the proposed development) this may include an assessment of potential impacts including bio-aerosols, odour, noise, dust, etc. The following should be taken into consideration in proposals for incompatible development in determining adequate separation areas:*

- *nature of both the minerals and / or waste development (committed or allocated) and proposed development (including duration),*
- *compatibility of the proposed activity with the minerals and / or waste development (committed or allocated),*
- *characteristics of any potential adverse environmental effects likely to arise as a result of land use conflict, and*
- *any additional measures considered necessary to mitigate potentially adverse impacts.*





The proposed site development is separated from the allocated site by an adopted highway beyond which it is planned that a significant landscape embankment will be constructed and planted up. Therefore the design of the scheme will not structurally constrain the abstraction of mineral resources at the adjacent Milton Malsor (MA2) and should not be affected visually or by means of dust or noise from the adjacent permitted site if/when it is commenced.

In addition no highway access will be present at this end of the site and as such no highways traffic flow conflicts would be present that would impact or prevent the abstraction of mineral resources at the adjacent Milton Malsor (MA2).

The geology present beneath the proposed development site and the necessary earthworks required to deliver the development site will not impact upon the adjacent Milton Malsor site or detrimentally impact the groundwater table.

We therefore consider that the proposed development should be permitted as it will be compatible with the permitted Milton Malsor (MA2) gravel extraction site and would not adversely affect the operation of the facility or prevent or prejudice the use of the site.

This letter summarises the assessments made throughout the EIA chapter 7 Geology, Soils and Groundwater including more specifically sections 7.4.5, 7.4.9, 7.5.2.2, supported by the reports included in the appendices to the chapter;

Appendix 7.4: Preliminary Sources Study Report

Appendix 7.5: Factual Ground Investigation Report

Appendix 7.6; Preliminary Ground Investigation Interpretative Report

Appendix 7.7; Geology, mineral safeguarding, allocated site plans & BGS borehole logs.

We hope that this letter provides you with sufficient information to answer your original query satisfactorily.

However, should you have any remaining queries please do not hesitate to contact us. We would be happy to come in and meet with you to discuss any remaining concerns in greater detail if required.

Yours Sincerely,

A handwritten signature in black ink, appearing to read 'Darren Bench'.

**For RSK**

Darren Bench

Associate Director

CC: Steve Harley (Oxalis Planning)  
Ian Rigby (Roxhill developments Ltd)

## Darren Bench

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**From:** Laura Davidson [LDavidson@northamptonshire.gov.uk]  
**Sent:** 30 April 2015 13:57  
**To:** Darren Bench  
**Subject:** RE: S/2014/2468/EIA

Hi Darren,

Thank you for your letter dated 20<sup>th</sup> April 2015 on the proposed development S/2014/2468/EIA and mineral safeguarding issues. We are now satisfied that the proposed development satisfies Policies 32 and 34 of the MWLP and do not object to the proposal.

Kind regards,

Laura Davidson

Senior Planner  
Northamptonshire County Council  
Tel: (01604) 367214  
E-mail: [ldavidson@northamptonshire.gov.uk](mailto:ldavidson@northamptonshire.gov.uk)



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