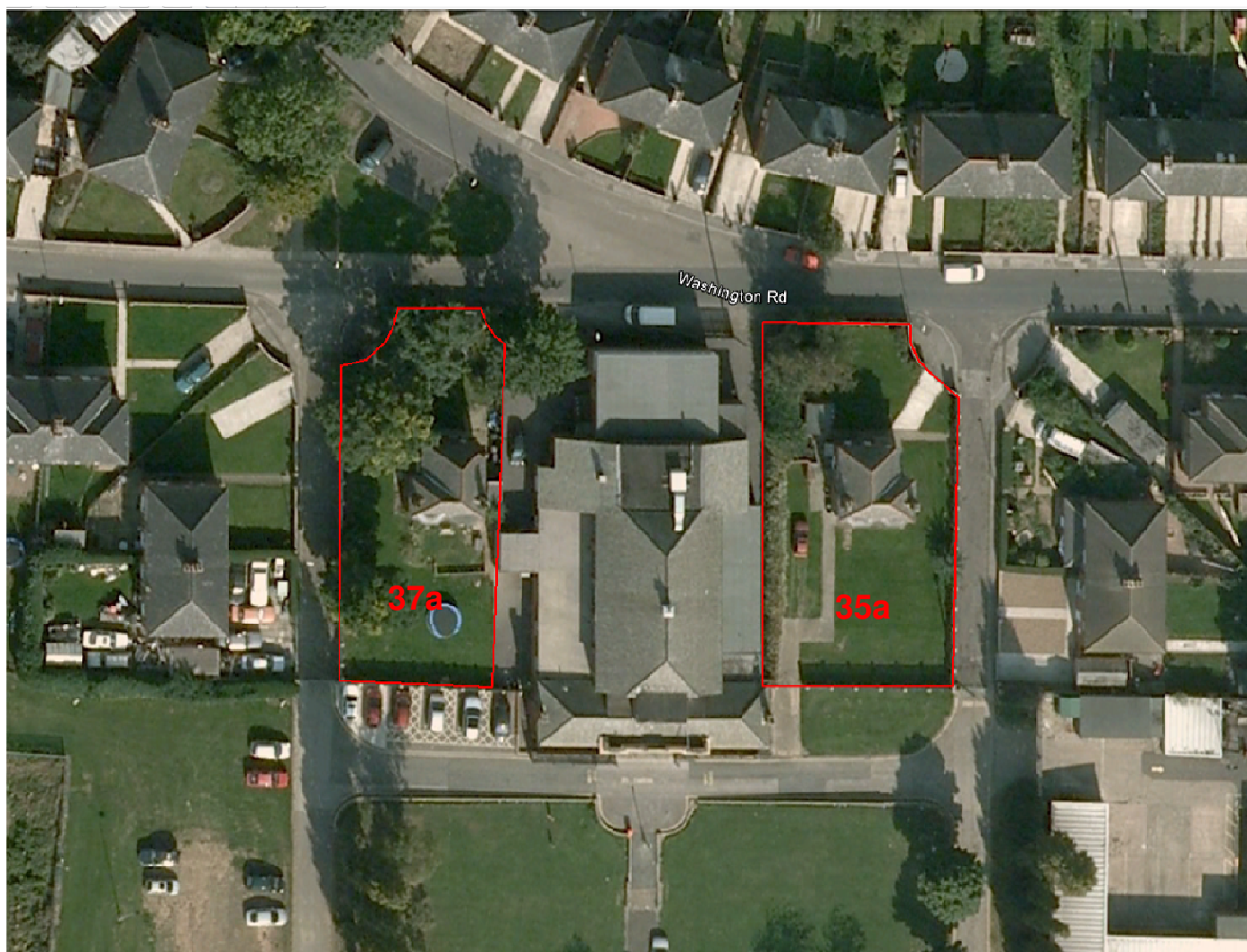


**GEOTECHNICAL AND GEO-ENVIRONMENTAL
SITE INVESTIGATION**

WASHINGTON ROAD, GOLDTHORPE

FOR

THE COALFIELDS REGENERATION TRUST



38885-001

October 2015

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1.0 EXECUTIVE SUMMARY

1. This report refers to two small sites (35a and 37a Washington Road) located either side of The Dearne Playhouse, south of Washington Road in Goldthorpe. The Playhouse is centred around grid reference 445830, 403840 and the sites have an area of around 1370 m².
2. Both sites have been occupied by houses since 1930 which are to be demolished. The houses are surrounded by private gardens with tall mature trees and bushes located in the north west corners of both sites. Side roads border the west, east and south sides of the site. Washington Road borders the north side. The sites gently slope to the south.
3. The geological map shows the site to be underlain by mudstone of the Middle Coal Measures. Made ground is expected to be present up to 1.0 m bgl below the existing houses. Elsewhere, topsoil over clayey gravelly sand and stiff clay was encountered. Beneath this mudstone and sandstone bedrock was encountered from 1.0 m to 2.1 m depth, recovered as clayey sandy gravel and cobbles. Coal was encountered in three trial pits from 1.0 m bgl between 50 and 1100 mm thick.
4. Two coal seams may be present at shallow depth below the site and may have been worked. A borehole investigation is recommended to determine either the depth to the seams, or confirm that there is at least the required thickness of competent cover above any workings.
5. Radon precautions are not required on the site. Shallow mine workings may however be present. Therefore Amber 1 gas precautions may be required, although gas monitoring would be required to confirm the gassing regime of the site.
6. Strip or trench fill footings are considered appropriate, taken through any made ground or soft ground and into the natural ground below. Minimum foundation depths should be 750 mm in sand and 900 mm in clay. If shallow coal workings are found, foundations will need to be thickened and reinforced. Reinforcement may also be required within footings where sand and clay are present within the same foundation.
7. Footings within the influence of existing trees (even though they are to be removed) will need to be deepened and constructed in accordance with the NHBC Standards. Precautions against soil heave will be required for all trench fill footings with a calculated founding depth greater than 1.5 m due to the past or present trees. Foundations need not be deepened upon reaching the non shrinkable sandstone.
8. If shallow coal workings are present, gas precaution measures are recommended which will require the installation of a suitably resistant gas membrane, a precast concrete floor and a

minimum 150 mm high ventilated void. If gas measures are not required, and there is less than 600 mm of made ground below ground floor slabs, ground bearing slabs will be appropriate. If more than 600 mm of made ground is present, reinforced suspended slabs or precast concrete floors with a minimum 150 mm high ventilated void (increased to 250 mm where heave precautions are required) should be used.

9. Due to the presence of clayey soils at the likely depth of soakaways, it is considered that soakaways are unlikely to be viable.
10. The test results indicate no sulphate precautions are required for subsurface concrete in contact with the natural ground. It is considered DS-2 AC-2 sulphate precautions are likely to be sufficient where subsurface concrete is in contact with made ground but further testing may be required to confirm this.
11. One sample of topsoil recorded an elevated lead concentration. If the topsoil is to remain on site, further testing of the ground around TP4 is required to delineate the area of contamination. The area of contaminated topsoil may then be excavated and placed underneath a 600 mm permeable capping in gardens or removed from site. The remaining topsoil is considered to be suitable for reuse within gardens and soft landscaped areas.
12. If made ground found below the existing buildings is to remain on site in the area of private gardens or soft landscaped areas, further testing may be required to determine whether any remedial measures such as capping is required.
13. The conclusions made in this report in relation to contamination are subject to agreement by the approving bodies such as the Local Authority and the NHBC, if applicable.

2.0 INTRODUCTION

2.1 Terms of Reference

This report presents the findings of a geotechnical and geo-environmental site investigation carried out by Eastwood & Partners (Consulting Engineers) Ltd for, and on the instructions of The Coalfields Regeneration Trust. Any other parties using the information in this report do so at their own risk and any duty of care is excluded.

2.2 Aims and Objectives

The aims and objectives of this investigation were as follows.

- Assimilate Phase 1 data to derive an outline conceptual model identifying potential contaminants, pathways and receptors, as well as possible linkages between these;
- Obtain information enabling refinement and subsequent testing of the conceptual model;
- Carry out tiered risk assessment to establish the likely risks to future receptors, involving the use of generic assessment criteria and where unacceptable risks are identified, site specific assessment criteria within a detailed quantitative risk assessment;
- Identify feasible remediation options if unacceptable risks are highlighted;
- Develop an appropriate remediation strategy where remediation is required; and
- Detail the ground conditions and their geotechnical properties enabling outline foundation proposals to be made.

2.3 Scope of Investigation

This document is split into two sections. These constitute the findings of the Phase 1 and Phase 2 investigations, consecutively.

2.3.1 Phase 1

The Phase 1 investigation involved a review of information extracted from published documentation. Information regarding the current and former land uses both on and surrounding the site, as well as the environmental sensitivity of the site location as determined by factors including geology, hydrogeology and hydrology has been examined.

Information analysed in this section of the report has been obtained from a variety of sources and includes historical maps, the Environment Agency website, an Envirocheck report, the Coal Authority, geological maps and memoirs, as well as a site walkover.

2.3.2 Phase 2

This part of the investigation consisted of intrusive works and laboratory analysis. The findings were used to test the conceptual model and produce a final risk assessment.

The intrusive works comprised trial pits which were excavated to enable:

- Examination of the upper few metres of ground;
- In situ description of soils, enabling any localised lateral and vertical changes in soil conditions to be logged;
- Assessment of any contamination identified using visual and olfactory methods; and
- Collection of soil samples for geotechnical and chemical testing.

2.4 Limitations of Investigation

This report is based on the assumption that the site will be developed with residential housing of conventional construction and that existing ground levels will not alter significantly. If this is not the case, further advice may be needed.

Where assessments of site areas affected in particular ways are given, these are approximate. All information, comments and opinions given in this report are based on the ground conditions encountered during the site work, on the results of laboratory testing carried out as part of the investigation and information gained from a geological and historical desk study. However, there may be conditions at the site that have not been taken into account, such as unpredictable soil strata and water conditions between or below investigation points. It should be noted that groundwater and gas levels vary due to seasonal or other effects, and may at times differ from those measured during the investigation.

This report considers the ground and groundwater and does not cover any buildings or their fabric. Generally, testing has only been carried out for contaminants identified as potentially present with no assessment made of biological contamination. Risks to ecological receptors, such as bats, have not been considered.

3.0 THE SITE

3.1 Description

This report refers to two small sites (35a and 37a Washington Road) located either side of The Dearne Playhouse, south of Washington Road in Goldthorpe. The Playhouse is centred around grid reference 445830, 403840 and the sites have an area of around 1370 m².

Both sites have been occupied by houses since 1930 which are to be demolished. The houses are surrounded by private gardens with tall mature trees and bushes located in the north west corners of both sites. Side roads border the west, east and south sides of the site. Washington Road borders the north side. The sites gently slope to the south.

The 'Exploratory Hole Location Plan', drawing reference 38885/001A, included in Appendix 1, shows the site's main features.

3.2 History

Historical Ordnance Survey maps within the Envirocheck report have been reviewed to assess the previous use of the site and surrounding area. Copies of the maps are presented in Appendix 2.

3.2.1 The Site

The first edition Ordnance Survey map, dated 1851 to 1855, shows the site to be part of an open field. The site remains the same up till 1930 when two houses have been built, one each on 35a and 37a Washington Road respectively. A rectangular greenhouse is also shown along the western boundary of 35a. By 1961, a small rectangular building (possibly a garage) was built to the north east of 37a, and thin rectangular building within the south of 35a.

The site remains the same up until 1993. Today, the houses are still present, although the garage in 37a and the greenhouse and rectangular building in 35a have since been removed.

3.2.2 The Surrounding Area

The first edition Ordnance Survey map, from 1851 to 1855, shows the surrounding area to comprise open fields. Goldthorpe is present around 200 m north west of the site and a road runs through it generally from north to south, approximately 200 m east of the site. By 1892 a railway line has been built, running from north to south, 200 m west of the site. A second branch line is shown crossing over the first one from south west to north by 1903. Houses have also been built along a road around 200 m south of site.

By 1906, Bolton on Dearne Brick Works is shown around 240 m south of the site. An engine house is shown adjacent to the works, indicating underground mining may have also taken place from here.

Over the next 30 years, Goldthorpe expands westwards with housing now shown to the north, west and east of the sites. Dearne Welfare Hall has been built between the houses on the site by this time. The same map shows a band stand, bowling green, tennis courts and sports ground with a running and cycling track to occupy land to the south.

Further development has occurred in the surrounding area by 1961, including a football pitch around 50 m south west of the site, further bowling greens, a social club and a playground to the south. The bandstand is replaced with a council office building. Spoil heaps and ponds are shown at the position of the brick works, and the area to the south east of the works, which is then shown as parkland in the 1980s.

No further significant changes are noted on any of the historical maps.

3.3 Geology

The geological map 275SE (1:10,560) shows the site to be underlain by mudstone of the Middle Coal Measures. The strata are dipping at around 5° to the north.

No faults or superficial deposits are indicated on the site.

3.4 Hydrogeology & Hydrology

The Envirocheck report records the strata beneath the site to comprise a Secondary A aquifer. These 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.

The site does not lie within a Groundwater Source Protection Zone.

The Envirocheck report indicates that there are no groundwater abstraction licenses within 250 m of the site.

The nearest surface water feature is a drain around 180 m west of the site. It is unlikely to be affected by the activities on site.

3.5 Coal Mining

No coal seams are shown to outcrop on the site on the geological map. However, the Shafton Coal seam outcrops approximately 425 m south west of the site. Assuming a dip of 5°, the seam is expected to lie around 35 m below the site.

From investigations carried out on a site around 750 m east of this site, the Shafton coal seam was found from between 12 and 19 m depth, around 1.8 m thick and worked.

Workings within the Shafton coal seam would need ten times seam thickness in overlying competent cover for drilling and grouting to not be considered necessary. Although the information on the geological map indicates the seam should lie around 35 m depth, a borehole investigation is recommended to determine either the depth to the seam, or confirm that there is at least the required thickness of competent cover.

The geological memoir for Barnsley indicates that locally a 0.45 m thick coal seam known as the Highgate Coal has been worked at Highgate Colliery and Goldthorpe Colliery, located approximately 0.95 km north and 1.15 km north-east of the site respectively. The memoir states the Highgate seam, which was worked up until 1917, is located around 30 m above the Shafton coal. This Highgate seam could therefore be present in the upper 10 m of the site.

The investigation recommended for the Shafton coal seam will therefore be able to investigate the Highgate seam as well.

A Coal Authority report has been obtained for the site. A copy is included in Appendix 2. This states that the site is within the likely zone of influence from workings in four seams of coal at 240 m to 640 m depth below the site and last worked in 1978. Any ground movement from these coal workings should have stopped by now. The Coal Authority believe there is coal at or close to the surface which may have been worked in the past. This could refer to the Highgate coal.

The report also indicates there are no recorded mine entries shown on or within 20 m of the site. However, the Coal Authority records may not be complete. The site is not within an area where current workings are being undertaken, or where future underground workings are currently proposed. The report states that reserves of coal are present in the area which could be worked in the future. The site is also within an area for which notice of entitlement to withdraw support was published in 1983. This has not yet been revoked. Future coal mining is however considered unlikely due to the decline to the UK's coal mining industry and the site's location within an urban area.

There is no record of mine gas emission requiring action by the Coal Authority within the boundary of the site. No claims for alleged coal mining related subsidence have been made on the site or on any property within 50 m.

3.6 Ground Gas

According to the Envirocheck report, there are no licensed operational or historical landfill sites within 250 m of the site.

The historical maps indicate a brick works was present around 240 m south of the site, backfilled and levelled into parkland by the 1960s. Due to the distance from site and since the backfill is expected to have been in place for 50 years, the backfilled brick works are not expected to pose a risk to the proposed development.

According to the Envirocheck report, the site lies in an area where basic radon precautions are not required in the construction of new dwellings.

The presence of shallow coal seams below the site which may have been worked however indicates mine gas may be able to migrate onto site.

3.7 Pollution Incidents

The Envirocheck report does not identify any pollution incidents within 250 m of the site.

3.8 Discharge Consents

The Envirocheck report indicates that there are no discharge consents within 250 m of the site.

3.9 Flooding

The site does not lie within an indicative flood plain.

4.0 OUTLINE CONCEPTUAL MODEL

Historically, houses have been present on both sites since 1930. Therefore other than made ground associated with these buildings, significant contamination is not expected but some localised contamination could be encountered.

Any made ground which is present could potentially contain elevated concentrations of heavy metals/metalloids, polycyclic aromatic hydrocarbon (PAH) compounds, such as benzo(a)pyrene, as well as sulphates, particularly if the material is ashy in nature. Asbestos fibres may also be present.

The natural ground is not expected to be particularly contaminated, although some naturally elevated concentrations of metals/metalloids and sulphates may be recorded.

No radon gas precautions are required. Deep made ground is not expected to underlie the site. Shallow mine workings may however be present. Therefore, ground gas precautions may be required.

The following table details the possible sources and associated contaminants of concern, pathways and receptors, highlighted by the Phase 1 investigation as potentially present:

Potential Contaminants	Pathway	Receptor
Heavy metals/metalloids, PAHs, asbestos, in the made ground Naturally elevated levels of heavy metals/metalloids in the natural ground	Ingestion, inhalation, direct contact.	Future residents & visitors. Site workers. Plants.
	Migration through ground.	Secondary A aquifer. Water supply pipes
Sulphates	Direct contact.	Below ground concrete.
Mine gas	Inhalation	Future residents & visitors.

5.0 GROUND INVESTIGATION

5.1 Site Works

Eastwood & Partners attended site on 20 August 2015 and excavated six trial pits. The trial pits were referenced TP1 to TP6 and reached depths of between 1.7 m and 2.8 m bgl.

Copies of the exploratory hole logs are presented in Appendix 3, and their locations are shown on the Exploratory Hole Location Plan, Drawing number 38885/001A in Appendix 1.

5.2 Laboratory Testing

Four samples of topsoil and four of natural ground were despatched for chemical testing. Soil samples were taken in 500 g plastic tubs and 250 ml amber glass jars and analysed at Chemtech Environmental, Durham, using MCERTs accredited methodologies where available. The laboratory testing results are presented in Appendix 4 and discussed further in Section 8.

Three samples of natural clay were also sent for plasticity testing to Chemtech. The test results are presented in Appendix 4 and discussed further in Section 7.

6.0 GROUND CONDITIONS

6.1 Surface Covering & Made Ground

The site is covered by topsoil comprising brown gravelly sand or dark brown very clayey sand up to 0.5 m depth. Made ground is expected to be present in the areas of the houses once they are demolished. No air bricks were noted around the base of the walls to the properties, therefore it is not likely that they have basements. On this basis the made ground is not expected to be deeper than 1.0 m bgl.

6.2 Natural Ground

The natural ground generally comprised clayey gravelly sand to between 0.7 and 1.0 m bgl. In four of the six trial pits, stiff clay was found below to between 1.3 and 1.9 m bgl.

Bedrock comprising mudstone or sandstone recovered as clayey sandy gravel and cobbles was encountered in all of the trial pits from around 1.0 to 2.1 m bgl. Some ironstone nodules were also noted within the mudstone.

Three trial pits recorded coal. TP1 and TP6 recorded the coal to be 50 to 100 mm thick at around 1.2 and 0.95 m depth respectively. In TP4, the coal was found to be 1.1 m thick from 1.0 m depth.

6.3 Obstructions

No significant obstructions were encountered within the trial pits, except for strong bedrock.

6.4 Groundwater

Minor water seepages were noted in TP4 (at 2.1 m bgl) and TP5 (at 2.2 m bgl). Groundwater was not observed elsewhere during excavation of the trial pits.

6.5 Evidence of Contamination

Visual or olfactory evidence of possible contamination was not identified in any of the exploratory holes. In addition, no evidence of any organic matter was identified in the exploratory holes.

7.0 GEOTECHNICAL APPRAISAL

7.1 General

Made ground is expected to be present up to 1.0 m bgl below the existing houses. Elsewhere, topsoil over clayey gravelly sand and stiff clay was encountered. Beneath this mudstone and sandstone bedrock was encountered from 1.0 m to 2.1 m depth, recovered as clayey sandy gravel and cobbles. Coal was encountered in three trial pits from 1.0 m bgl between 50 and 1100 mm thick.

Three samples of the natural clay were sent for geotechnical testing. The samples were taken from TP1, TP3 and TP5 from depths of between 1.0 m and 1.5 m bgl. The samples were calculated to have modified plasticity indices of 31%, 20.8% and 17.1% which correspond to low (less than 20%) and medium (between 20% and 40%) volume change potential in accordance with the NHBC Chapter 4.2 standards. It is considered prudent to classify the clay on site as of medium volume change potential. A copy of the geotechnical test results is included in Appendix 4.

Penetrometer readings within the clay indicate a safe bearing capacity of 125 kN/m² will be appropriate. The natural sand can also be considered to have a similar safe bearing capacity.

A borehole investigation will be required to determine if shallow coal workings are present. If workings are present and there is less than ten times seam thickness in overlying competent cover, drilling and grouting will be required.

7.2 Foundations

Strip or trench fill footings are considered appropriate, taken through any made ground or soft ground and into the natural ground below. Minimum foundation depths should be 750 mm in sand and 900 mm in clay.

If shallow coal workings are found, foundations will need to be thickened and reinforced. Reinforcement may also be required within footings where sand and clay are present within the same foundation.

Footings within the influence of existing trees will need to be deepened and constructed in accordance with the NHBC Standards. Precautions against soil heave will be required for all trench fill footings with a calculated founding depth greater than 1.5 m due to the past or present trees.

Foundations need not be deepened upon reaching the non shrinkable sandstone.

7.3 Ground Floors

If shallow coal workings are present, gas precaution measures are recommended which will require the installation of a suitably resistant gas membrane, a precast concrete floor and a minimum 150 mm high ventilated void.

If gas measures are not required, and there is less than 600 mm of made ground below ground floor slabs, ground bearing slabs will be appropriate. If more than 600 mm of made ground is present, reinforced suspended slabs or precast concrete floors with a minimum 150 mm high ventilated void (increased to 250 mm where heave precautions are required) should be used.

7.4 Superstructure Precautions

If shallow coal workings are present, additional superstructure precautions may be required.

7.5 Excavation Problems & Obstructions

The sides of the trial pits were found to be stable in natural ground during excavation. Support will be required in accordance with current Health & Safety Regulations wherever access is required to trenches deeper than 1.2 m, or less where there is risk of collapse.

Strong bedrock is expected in the upper 2 m which may require breaking out for deeper excavations.

The foundations for the existing buildings are expected to be present below the surface on the site. These will need to be removed where new foundations are to be constructed.

7.6 Surface Water Drainage

Due to the presence of clayey soils at the likely depth of soakaways, it is considered that soakaways are unlikely to be viable. It is recommended surface water drainage is taken to a piped drainage system. There may be existing connections into the local sewer network from the existing buildings, which could be re-used, subject to approval by the regulators.

8.0 REFINEMENT OF OUTLINE CONCEPTUAL MODEL

8.1 Source Characterisation

An outline conceptual model, detailing the possible sources and associated contaminants of concern, potential pathways and receptors identified in the Phase 1 study was detailed in Section 4. This section of the report documents the works undertaken to obtain information to test and refine this model enabling a risk assessment to be produced and, where significant risks are expected, remediation recommendations.

8.2 Ground Conditions

There is no reason to suspect that the materials recorded on site will contain any specific contaminants, although may contain elevated concentrations of common contaminants such as arsenic and sulphates. Polycyclic aromatic hydrocarbons (PAHs), such as benzo(a)pyrene, may also be elevated.

8.3 Gas Precautions

The Phase 1 investigation indicates there is the potential for shallow coal mining. Deep made ground was not encountered, and there are no landfill sites within 250 m of the site. Radon precautions are not required. At this stage, it would be prudent to allow for Amber 1 gas precautions if shallow workings are encountered, although gas monitoring would be required to confirm the gassing regime of the site.

8.4 Chemical Testing

Four samples of topsoil and four samples of the natural ground were sent for chemical testing. Each of the samples was analysed for the suite of contaminants listed below:

Contaminant Type	Actual Contaminants
Metals/Metalloids	Arsenic, cadmium, chromium (III and VI), lead, mercury, nickel, selenium copper and zinc
PAHs	Speciated PAH
Sulphates	pH, water soluble sulphate, acid soluble sulphate and sulphur

An asbestos screen was also carried out on the four samples of topsoil. Testing was undertaken by Chemtech Environmental, using MCERTs accredited methodologies, where available. A copy of the test results is included in Appendix 4.

8.5 Assessment Criteria

The proposed development of the site is to be residential with private gardens. Therefore the assessment criteria relating to a residential with homegrown produce end use have been used. Tables detailing the relevant assessment concentrations used are included in Appendix 4.

8.6 Chemical Test Results

8.6.1 Topsoil

The topsoil sample from TP4 at 0.2 m bgl recorded a lead concentration of 257 mg/kg. The assessment value for lead is 200 mg/kg. Four additional subsamples were tested from this sample and recorded lead concentrations of 228, 249, 236 and 246 mg/kg, creating a sample average of 243.2 mg/kg. Based on the results, the corrected mean for lead using all 4 topsoil samples is calculated to be 235 mg/kg. No other metals, metalloids or PAHs were recorded at concentrations exceeding their respective assessment values in any of the samples of topsoil.

8.6.2 Natural Ground

None of the samples of natural ground recorded any contaminants with concentrations exceeding their assessment concentrations.

8.6.3 Sulphates

The site has been taken as a brownfield location in relation to the Aggressive Chemical Environment for Concrete classifications in accordance with BRE Special Digest 1. Groundwater is expected to be mobile through near surface soils.

The results indicate the total potential sulphate concentrations to be between 0.03% and 0.06%.

The water soluble sulphate concentrations were between 12 mg/l and 109 mg/l. T

he pH was recorded to be between 7.6 and 7.8.

8.6.4 Asbestos

Asbestos fibres were not recorded.

8.7 Significant Pollutant Linkages

Contaminants	Pathway	Receptor
Lead in topsoil.	Direct contact, ingestion and inhalation	Future residents or visitors Construction workers
	Migration through ground	Secondary A aquifer
Mine gas.	Inhalation	Future residents or visitors

9.0 RISK ASSESSMENT

9.1 Human Health – Future Residents and Visitors

A sample of topsoil taken from TP4 recorded a slightly elevated concentration of lead at 257 mg/kg, compared to the assessment value of 200 mg/kg. Subsamples were tested and still recorded slightly elevated lead concentrations. The three other samples tested recorded lead concentrations of between 55 and 115 mg/kg, much lower than the 200 mg/kg assessment value.

If the topsoil is to remain on site further testing of the ground around TP4 will be required to delineate lead hotspot. The area of contaminated topsoil may then be excavated and placed underneath a 600 mm permeable capping in gardens or removed from site. The remaining topsoil is considered to be suitable for reuse within gardens and soft landscaped areas.

If made ground found below the existing buildings is to remain on site in the area of private gardens or soft landscaped areas, further testing may be required to determine whether any remedial measures such as capping is required.

9.2 Human Health – Construction Workers

Groundworkers employed during the construction phase of the development are most at risk of harm due to them having direct contact with the affected soils. However, the contact is generally of short duration, and all competent ground workers will be aware of the potential risks associated with soils of this nature. Therefore, the overall risk to the health of construction workers is considered to be low.

All ground workers employed on the site should be made aware that slightly elevated concentrations of lead are present within the topsoil and normal site procedures such as the wearing of gloves when handling soils, and the washing of hands prior to eating should be implemented.

Any unusual, brightly coloured, ashy or odorous material encountered during construction should be brought to the attention of the site staff and investigated.

9.3 Construction Materials

The results of testing indicate that a Design Sulphate Class of DS-1 and an Aggressive Chemical Environment for Concrete (ACEC) class of AC-1 will be required for all subsurface concrete in contact within the natural ground.

Sulphate precautions may be required where made ground is encountered in the area of the existing properties. It is considered that DS-2 AC-2 sulphate precautions are likely to be sufficient

where subsurface concrete is in contact with made ground. Further testing may be required to confirm this.

The chemical test results should be submitted to the water supply company to determine the appropriate type of supply pipe.

9.4 Plants

None of the tests results indicate there is a significant risk to plants from materials on site.

9.5 Controlled Waters

The site overlies a Secondary A aquifer and the nearest surface water feature is a drain around 180 m west of the site. The site does not lie within a Groundwater Source Protection Zone.

Although an elevated lead concentration was noted within one sample of topsoil, it is not expected to be particularly leachable, as indicated by the lack of elevated concentrations in the underlying natural ground. Materials on site are therefore not considered to pose a significant risk to controlled waters.

9.6 Ground Gas

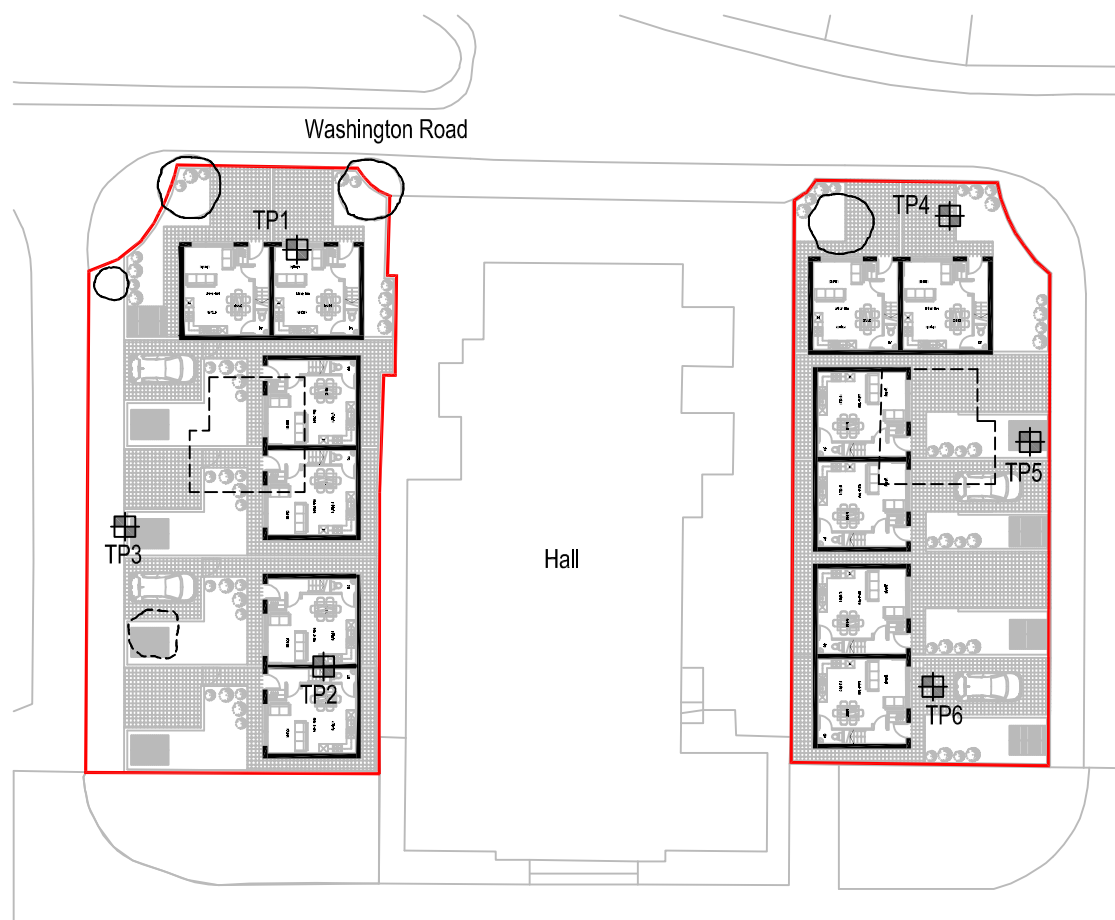
Shallow mine workings may be present below the site. At this stage, it would be prudent to allow for Amber 1 gas precautions if shallow workings are encountered, although gas monitoring would be required to confirm the gassing regime of the site.

10.0 CONTAMINATION - RECOMMENDATIONS AND APPROVALS

1. One sample of topsoil recorded an elevated lead concentration. If the topsoil is to remain on site, further testing of the ground around TP4 is required to delineate the area of contamination. The area of contaminated topsoil may then be excavated and placed underneath a 600 mm permeable capping in gardens or removed from site. The remaining topsoil is considered to be suitable for reuse within gardens and soft landscaped areas.
2. If made ground found below the existing buildings is to remain on site in the area of private gardens or soft landscaped areas, further testing may be required to determine whether any remedial measures such as capping is required.
3. The test results indicate no sulphate precautions are required for subsurface concrete in contact with the natural ground. It is considered DS-2 AC-2 sulphate precautions are likely to be sufficient where subsurface concrete is in contact with made ground but further testing may be required to confirm this.
4. A copy of this report should also be sent to the relevant water supplier.
5. No radon precautions are required. If shallow coal workings are found, Amber 1 gas precautions may be required, although gas monitoring would be required to confirm the gassing regime of the site.
6. The conclusions made in this report in relation to contamination are subject to agreement by the approving bodies such as the Local Authority and the NHBC, if applicable.

Appendix 1

Exploratory Hole Location Plan, drawing 38885/001A



Key:

-  - Site boundary.
-  - Position of proposed houses.
-  - Position of existing houses to be demolished.
-  - Approximate position of trial pit, excavated by Eastwood & Partners on 20.08.15.
-  - Approximate position of trees.
-  - Approximate position of removed tree.

A First Issue.

Eastwood & Partners
CONSULTING ENGINEERS
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23 Kingfield Road
Sheffield S11 9AS
Tel 0114 255 4554
Fax 0114 255 4330



WASHINGTON ROAD GOLDTHORPE
THE COALFIELDS REGENERATION TRUST
EXPLORATORY HOLES PLAN

CHECKED		SCALE AT A4		DRAWING STATUS	
EM		1:500		INFORMATION	
DRAWN		DATE		DRAWING NUMBER	
SA		03.09.15		38885/001	
				REV	
				A	

Appendix 2
Envirocheck Report
Coal Authority Mining Report

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				
	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
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	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		Ch
	CH		F E Sta
	FB		Fn
	GP		MP
	MS		Pol Sta
	PO		PC
	PH		SB
	Spr		TCB
	TCP		W

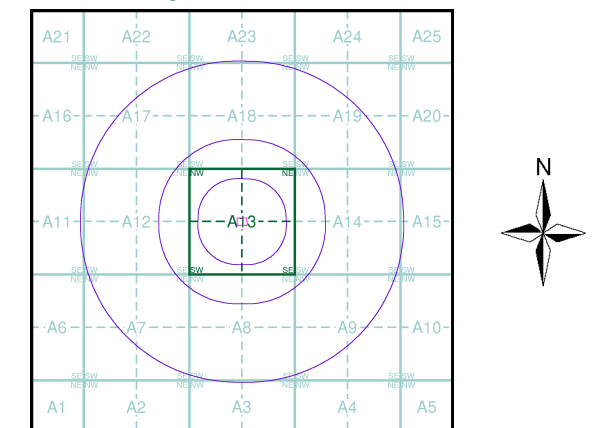
1:10,000 Raster Mapping

	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
	Mean high water (springs)		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
Yorkshire	1:10,560	1851 - 1855	2
Yorkshire	1:10,560	1893	3
Yorkshire	1:10,560	1894	4
Yorkshire	1:10,560	1903 - 1907	5
Yorkshire	1:10,560	1931 - 1932	6
Yorkshire	1:10,560	1938 - 1948	7
Yorkshire	1:10,560	1948 - 1950	8
Ordnance Survey Plan	1:10,000	1955 - 1956	9
Ordnance Survey Plan	1:10,000	1966 - 1967	10
Ordnance Survey Plan	1:10,000	1976	11
Ordnance Survey Plan	1:10,000	1980 - 1988	12
Ordnance Survey Plan	1:10,000	1989	13
Ordnance Survey Plan	1:10,000	1991	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2015	16

Historical Map - Slice A



Order Details

Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Site at 445810, 403850

Yorkshire

Published 1851 - 1855

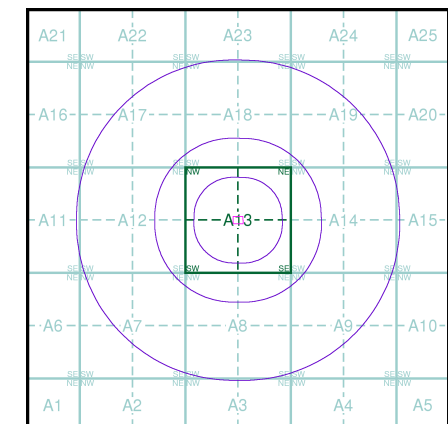
Source map scale - 1:10,560

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)

27500 1854 1:10,560	27600 1851 1:10,560
28300 1855 1:10,560	28400 1854 1:10,560

Historical Map - Slice A

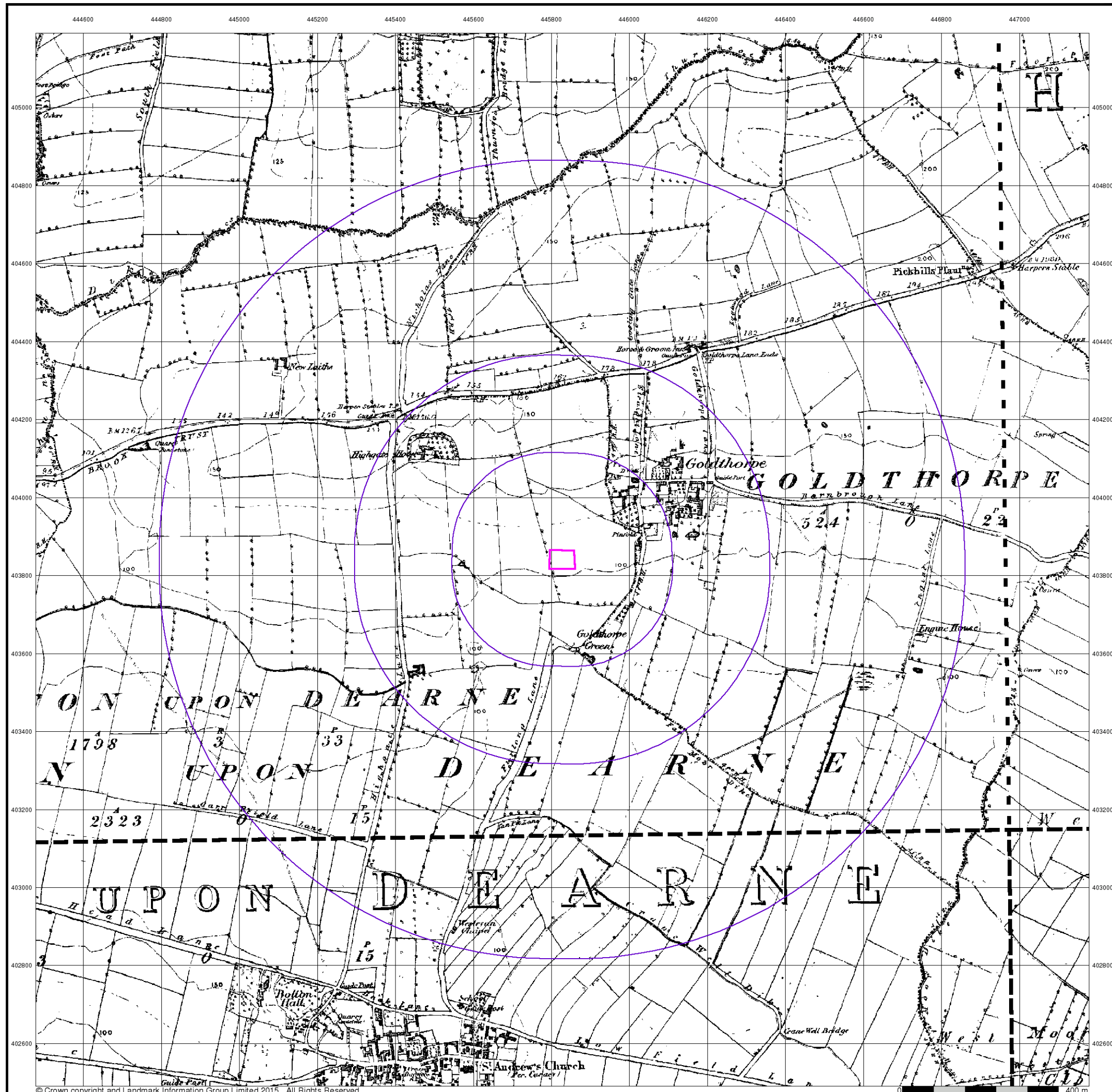


Order Details

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 Customer Ref: 38885
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 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Site at 445810, 403850



Yorkshire

Published 1894

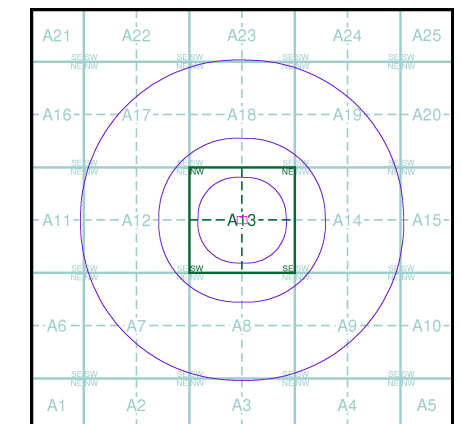
Source map scale - 1:10,560

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)

275SE
1894
1:10,560

Historical Map - Slice A

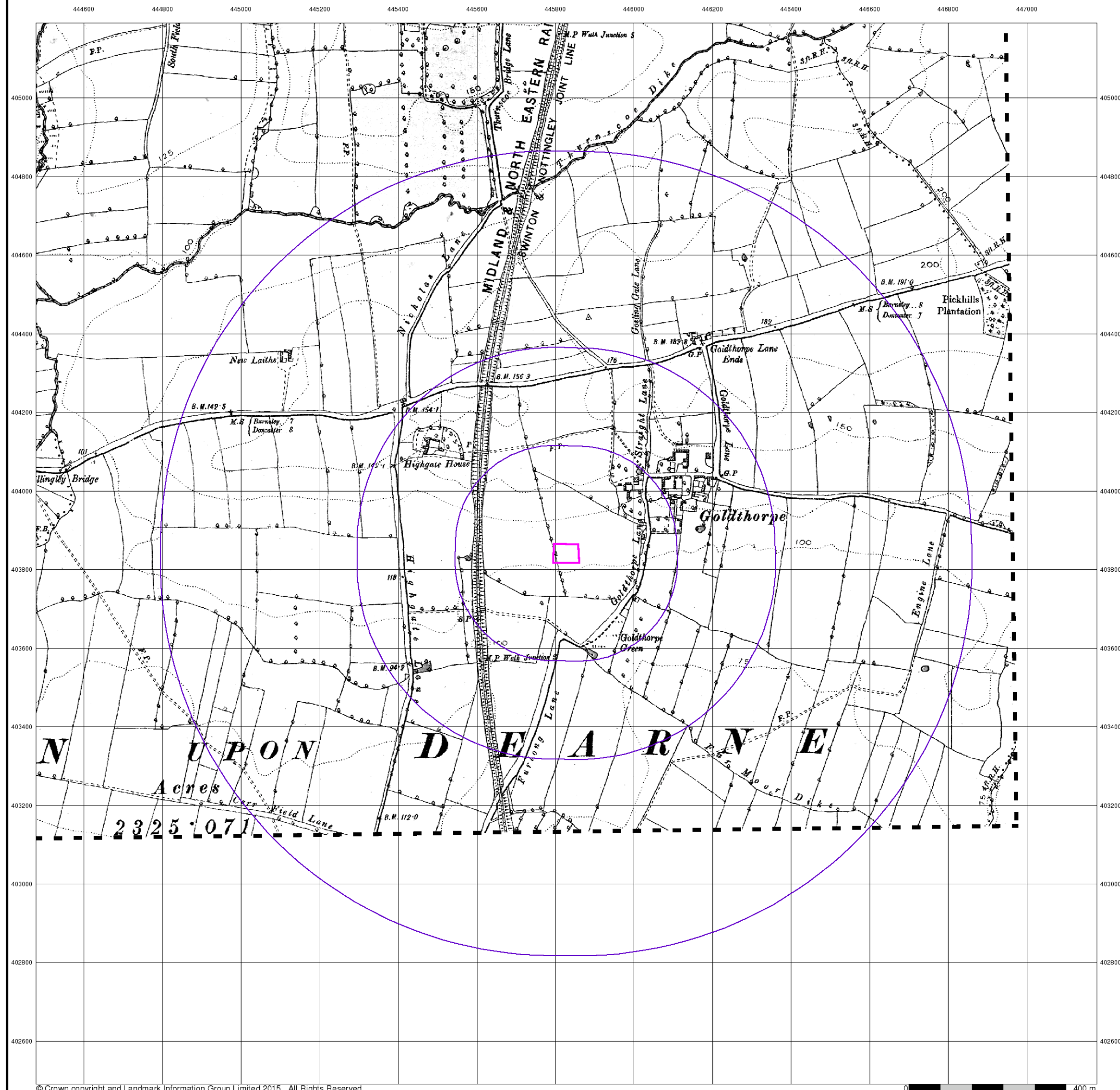


Order Details

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Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Site at 445810, 403850



Yorkshire

Published 1903 - 1907

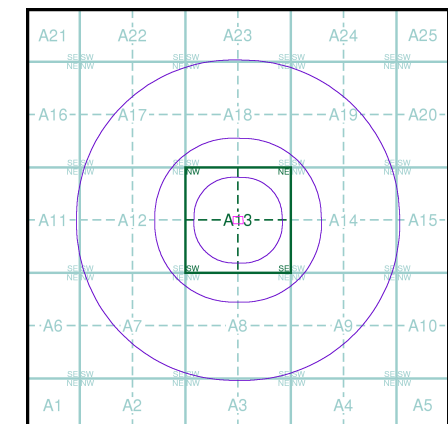
Source map scale - 1:10,560

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)

275SE 1906 1:10,560	276SW 1907 1:10,560
283NE 1905 1:10,560	284NW 1903 1:10,560

Historical Map - Slice A

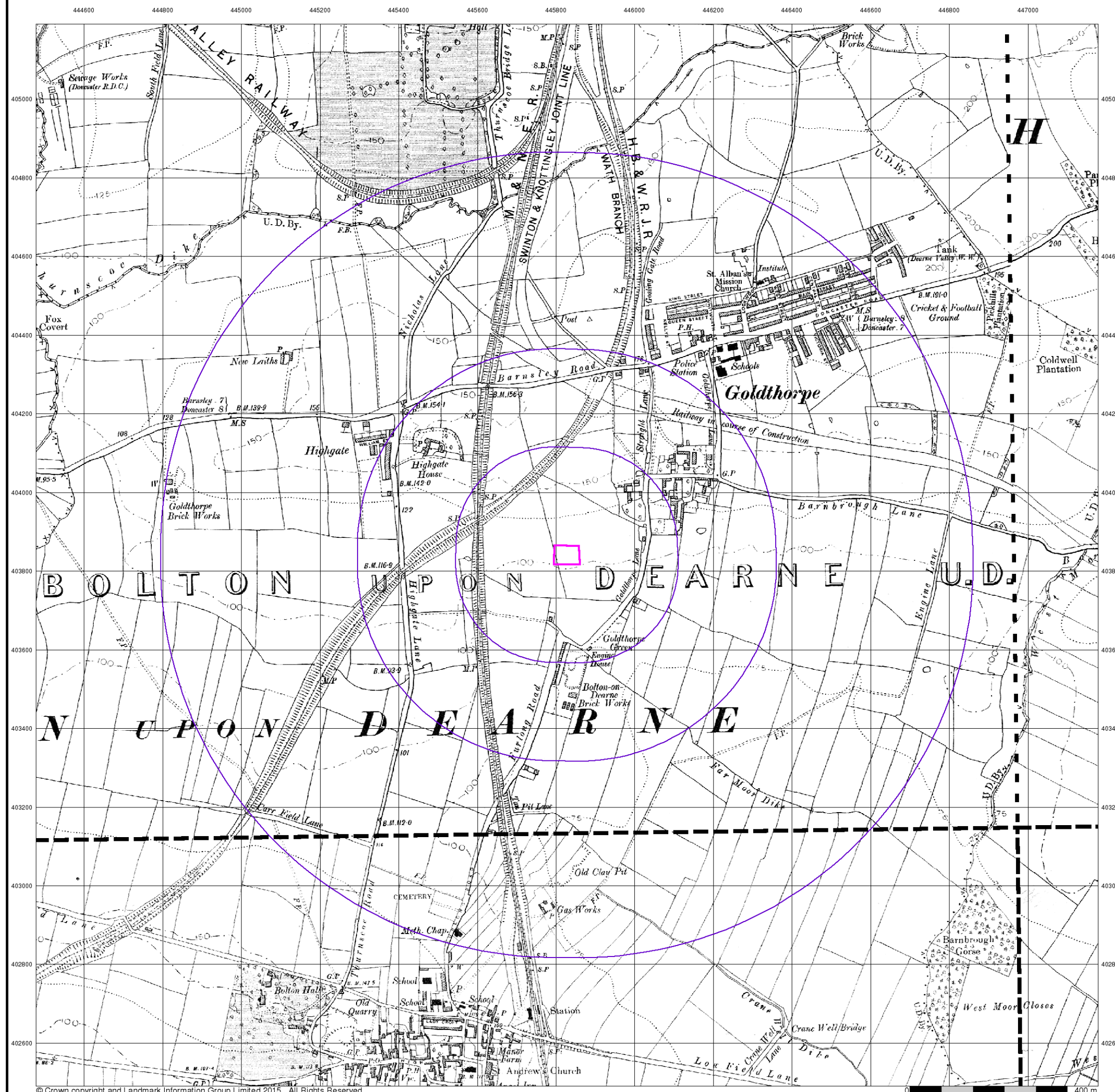


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 Customer Ref: 38885
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 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Site at 445810, 403850



Yorkshire

Published 1931 - 1932

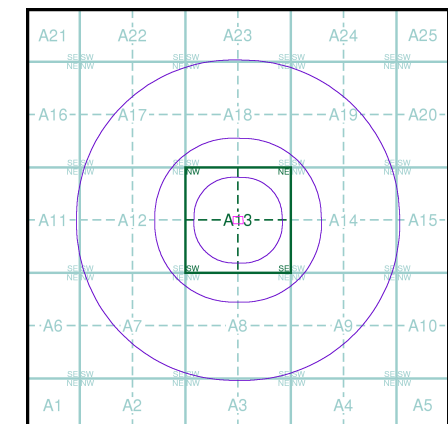
Source map scale - 1:10,560

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)

275SE 1931 1:10,560	276SW 1932 1:10,560
283NE 1932 1:10,560	284NW 1932 1:10,560

Historical Map - Slice A

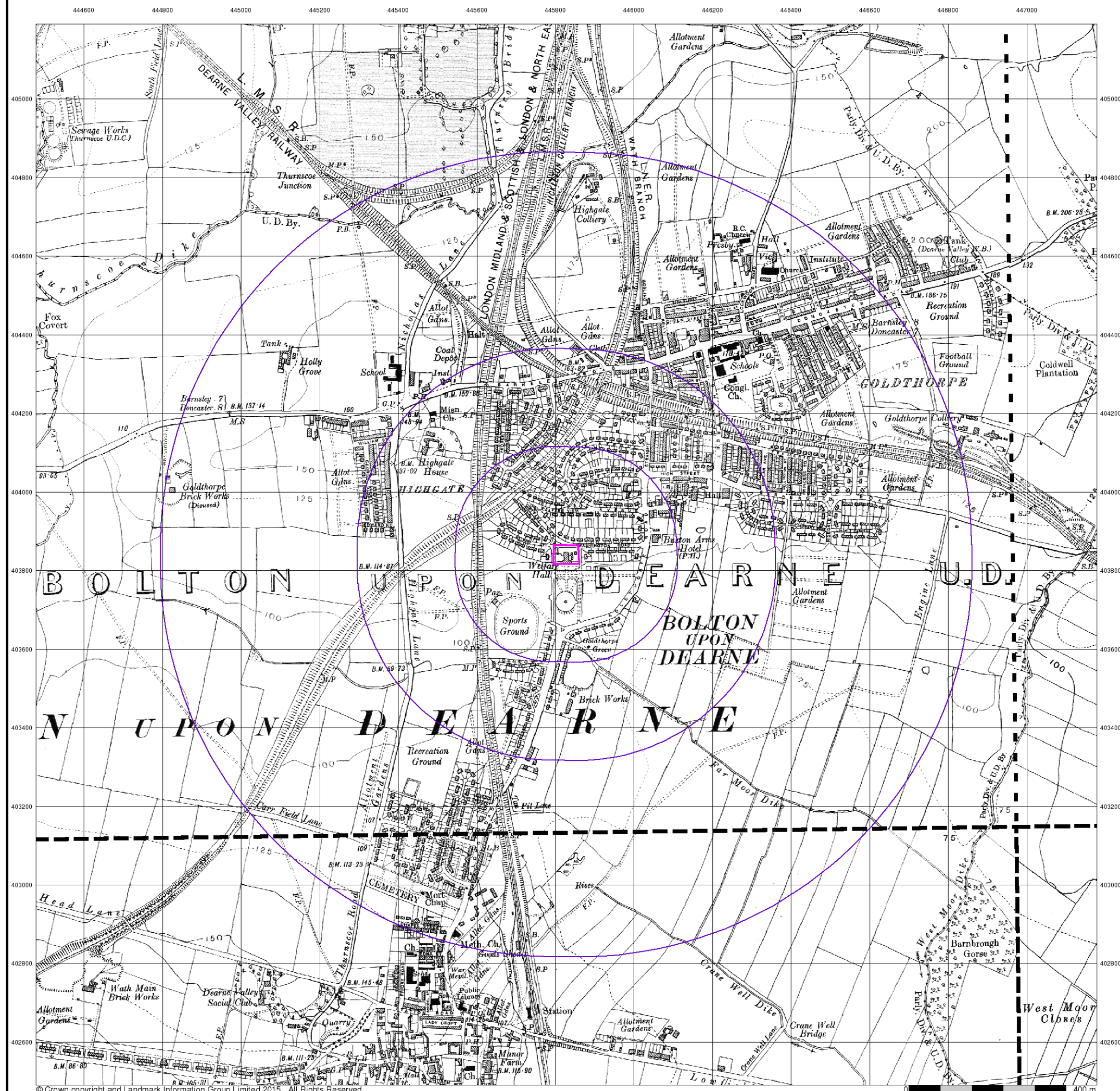


Order Details

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 Customer Ref: 38885
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 Slice: A
 Site Area (Ha): 0.31
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Site Details

Site at 445810, 403850



Yorkshire

Published 1938 - 1948

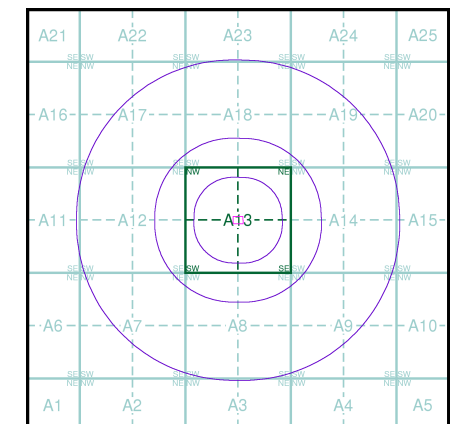
Source map scale - 1:10,560

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)

275SE 1938 1:10,560	276SW 1948 1:10,560
283NE 1938 1:10,560	284NW 1948 1:10,560

Historical Map - Slice A

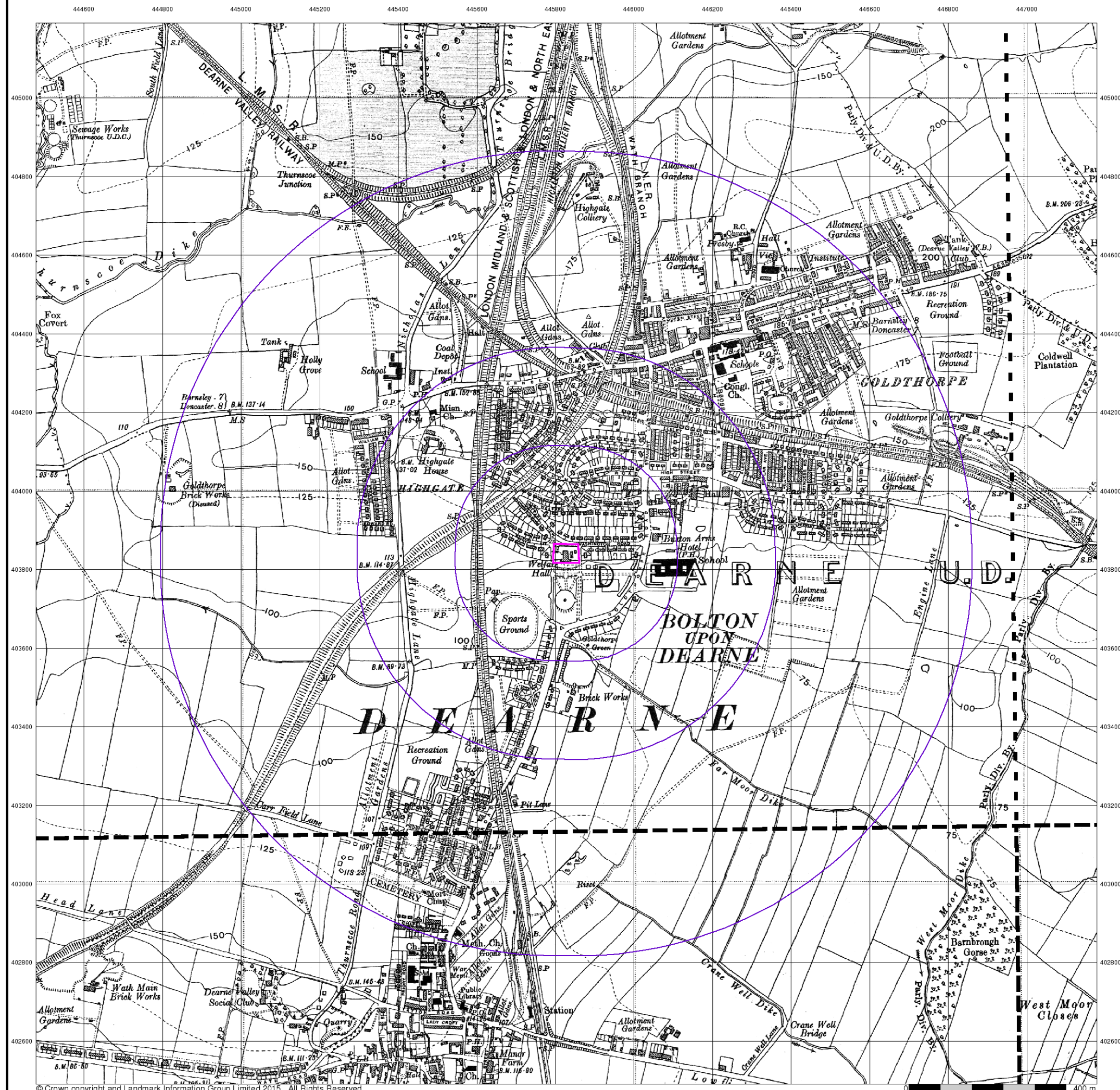


Order Details

Order Number: 71025784_1_1
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 Slice: A
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 Search Buffer (m): 1000

Site Details

Site at 445810, 403850



Yorkshire

Published 1948 - 1950

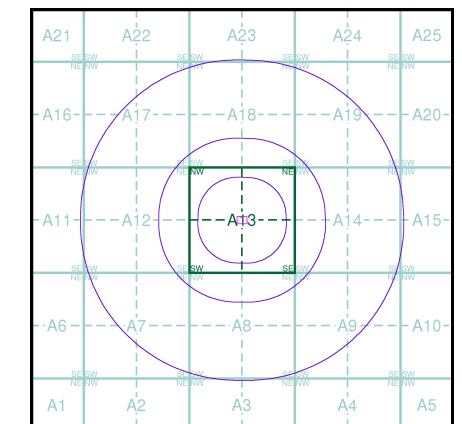
Source map scale - 1:10,560

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)

275SE	1948	1:10,560
283NE	1950	1:10,560

Historical Map - Slice A

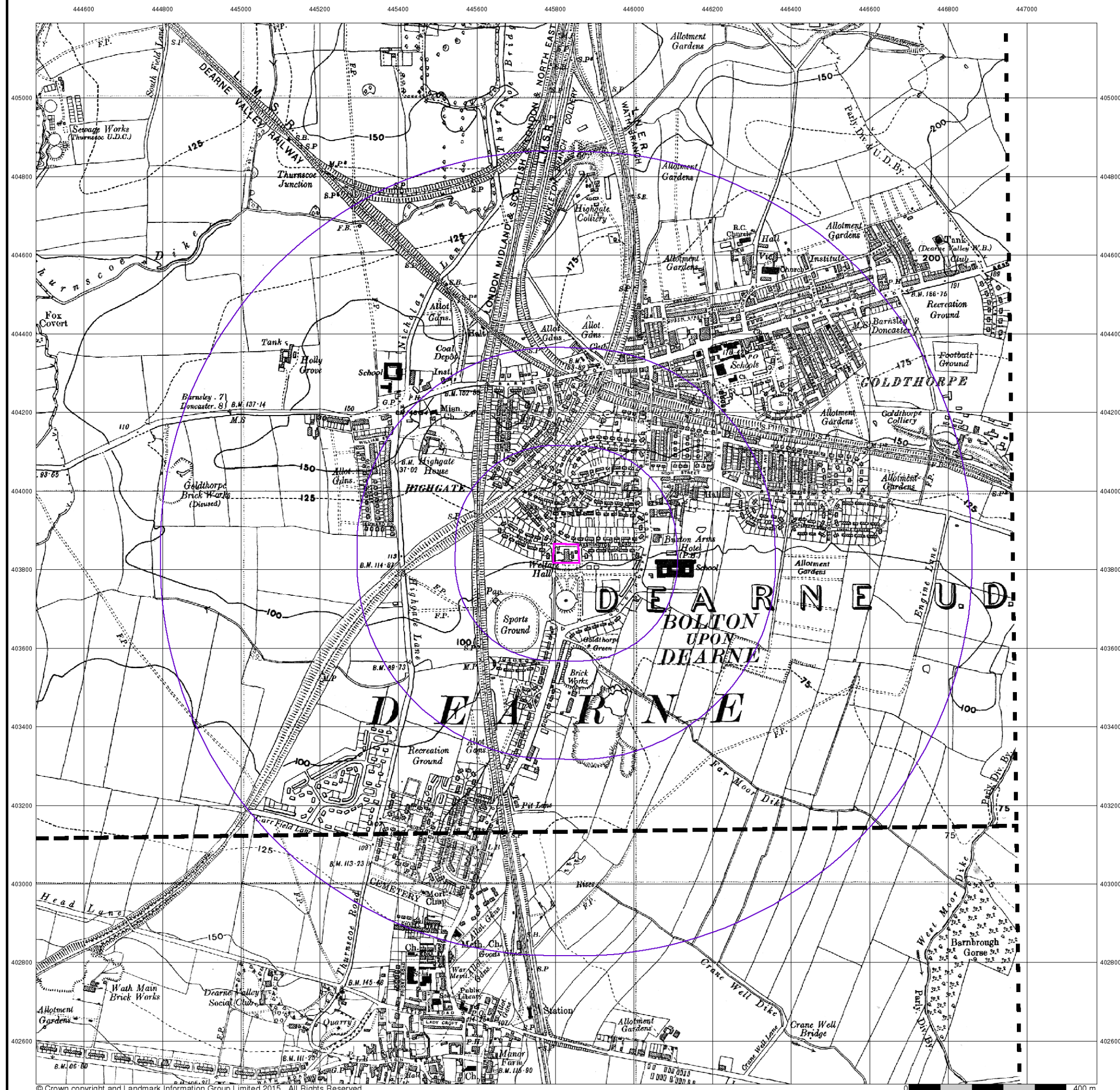


Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Site at 445810, 403850



Ordnance Survey Plan

Published 1955 - 1956

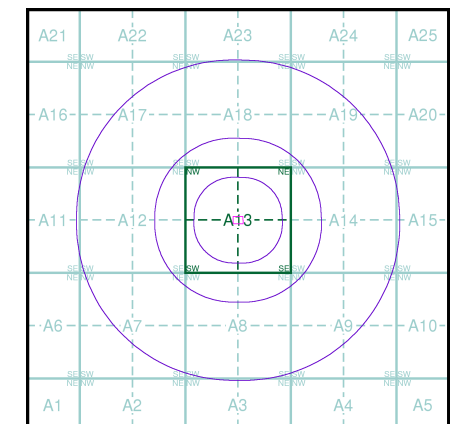
Source map scale - 1:10,000

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)

SE40NW	SE40NE
1955	1956
1:10,560	1:10,560
SE40SW	SE40SE
1956	1956
1:10,560	1:10,560

Historical Map - Slice A

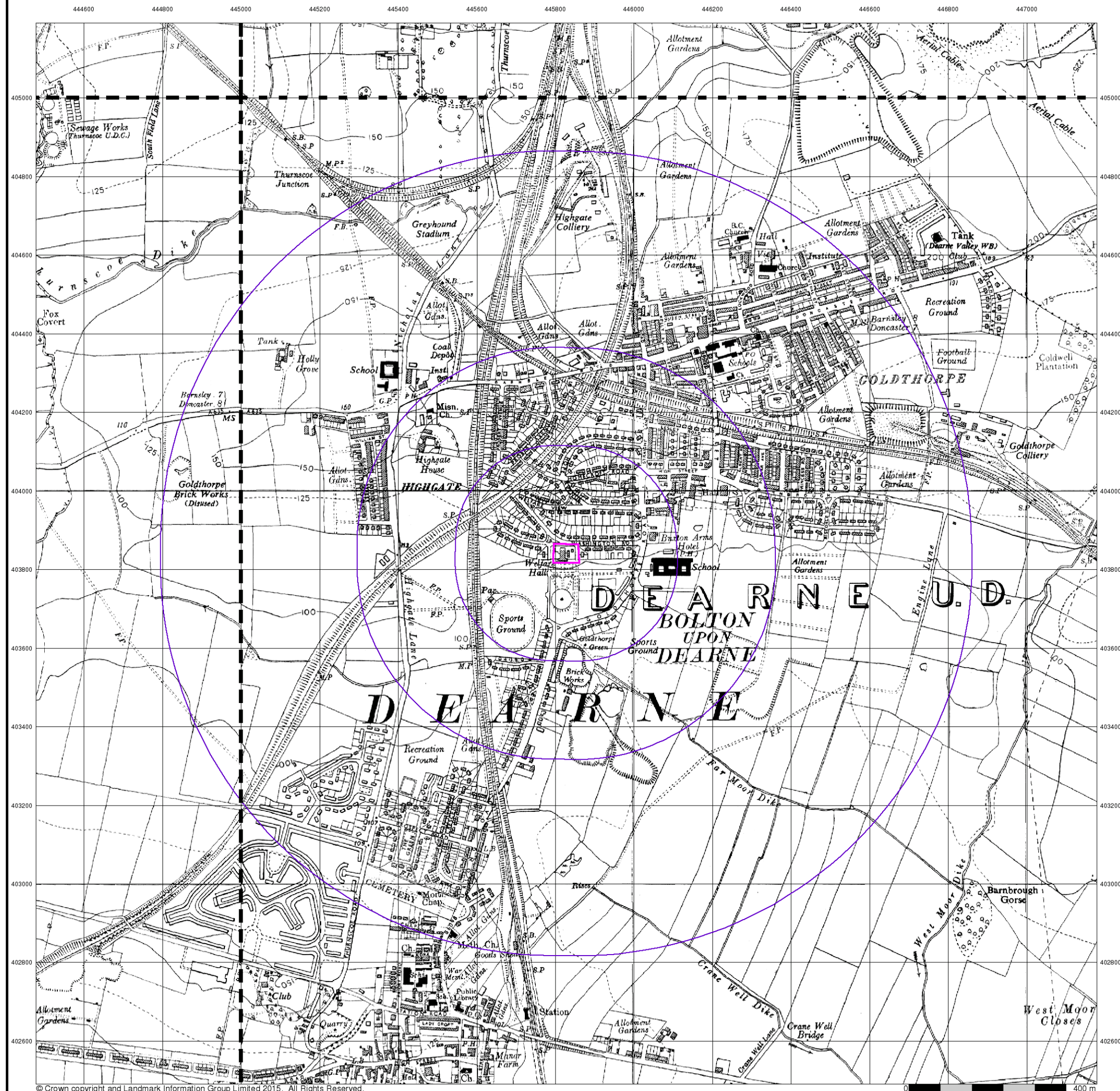


Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Site at 445810, 403850



Ordnance Survey Plan

Published 1966 - 1967

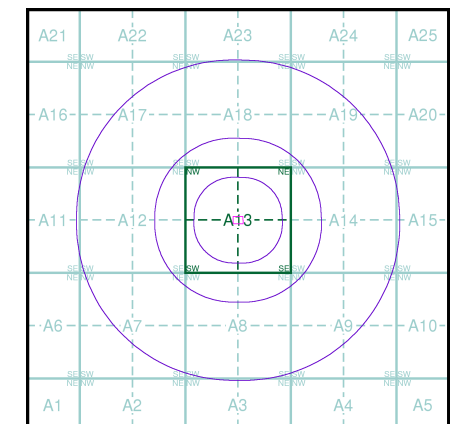
Source map scale - 1:10,000

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)

SE40NW	SE40NE
1967	1966
1:10,560	1:10,560
SE40SW	SE40SE
1967	1966
1:10,560	1:10,560

Historical Map - Slice A

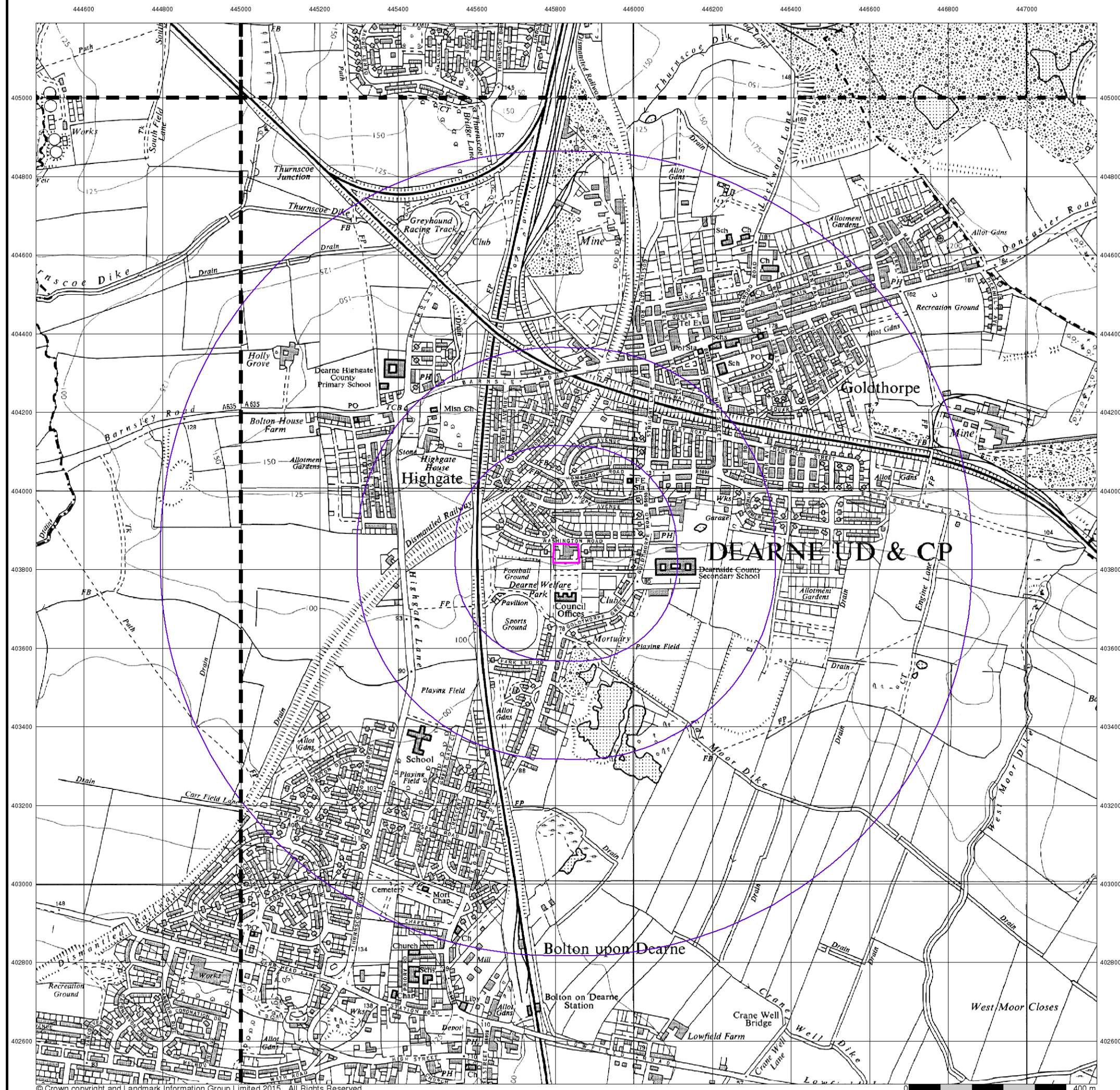


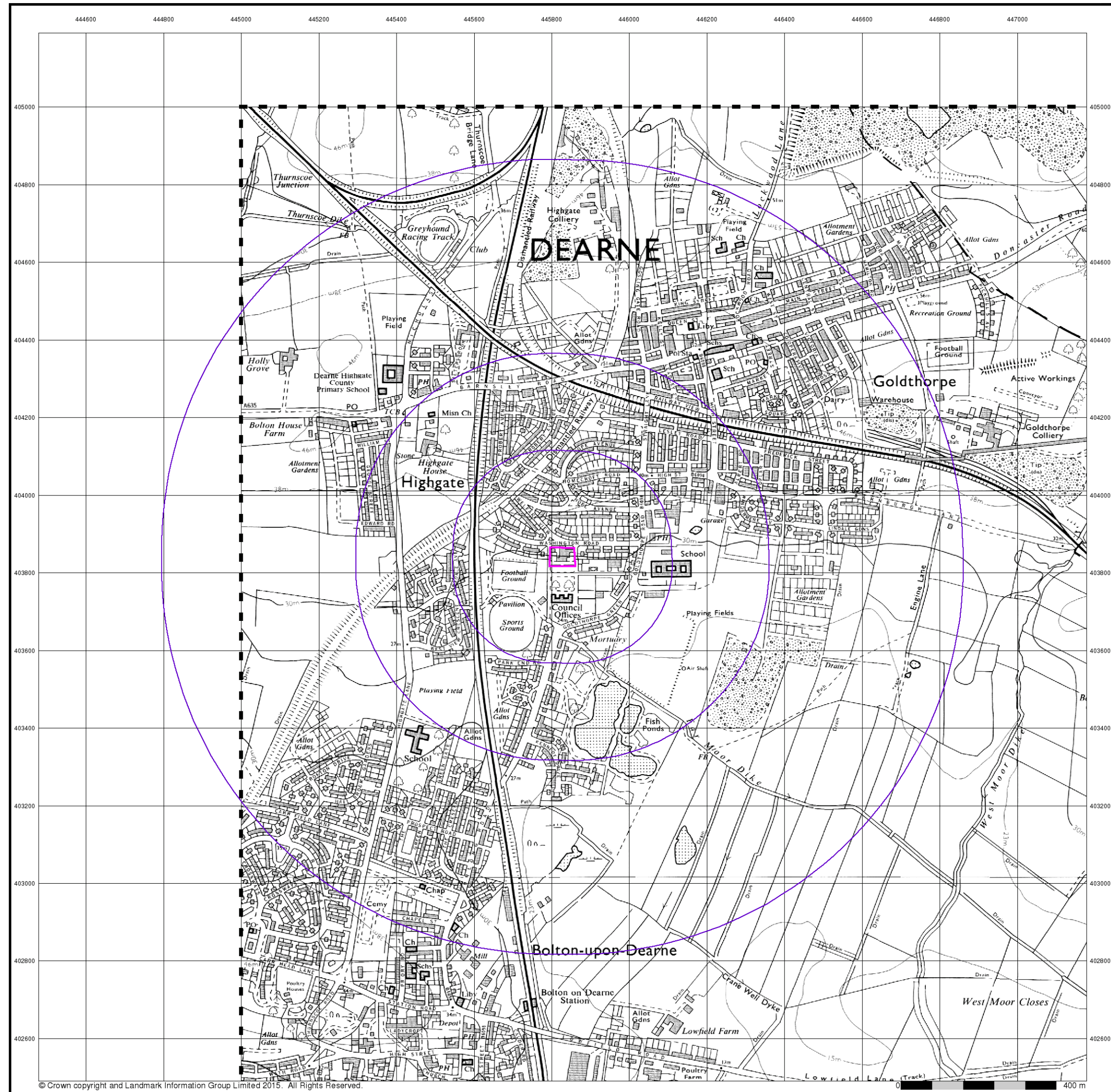
Order Details

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 Customer Ref: 38885
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 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Site at 445810, 403850





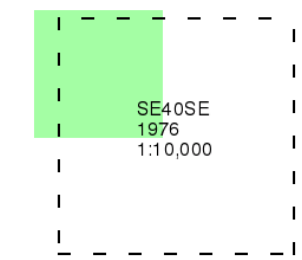
© Crown copyright and Landmark Information Group Limited 2015. All Rights Reserved.



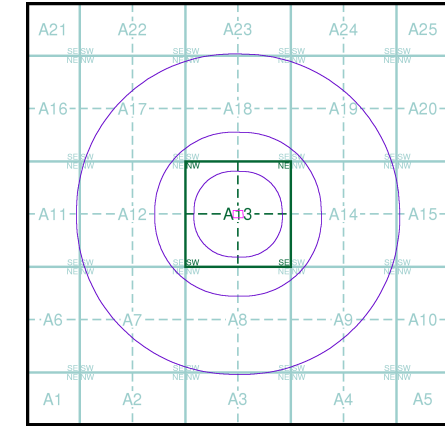
Ordnance Survey Plan
Published 1976
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details
Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details
Site at 445810, 403850

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

Ordnance Survey Plan

Published 1980 - 1988

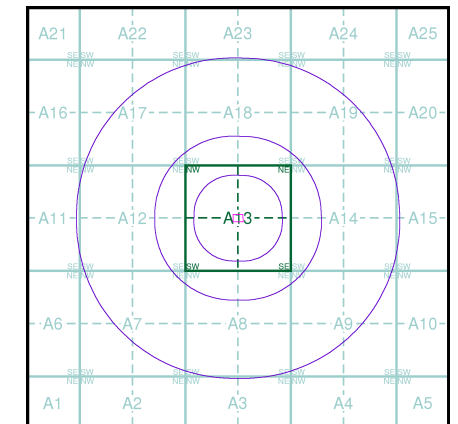
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SE40NW	SE40NE
1983	1983
1:10,000	1:10,000
SE40SW	SE40SE
1980	1988
1:10,000	1:10,000

Historical Map - Slice A

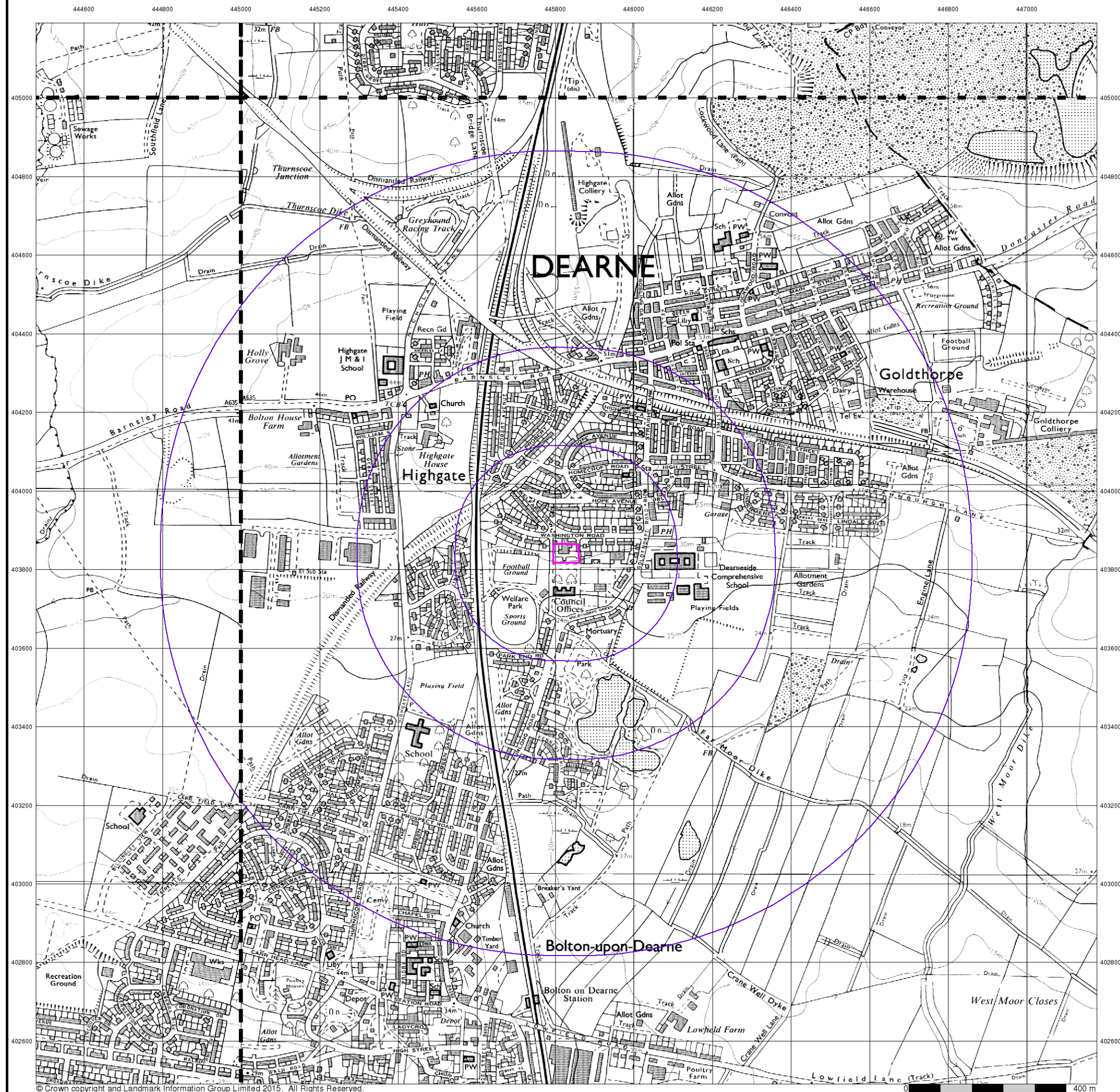


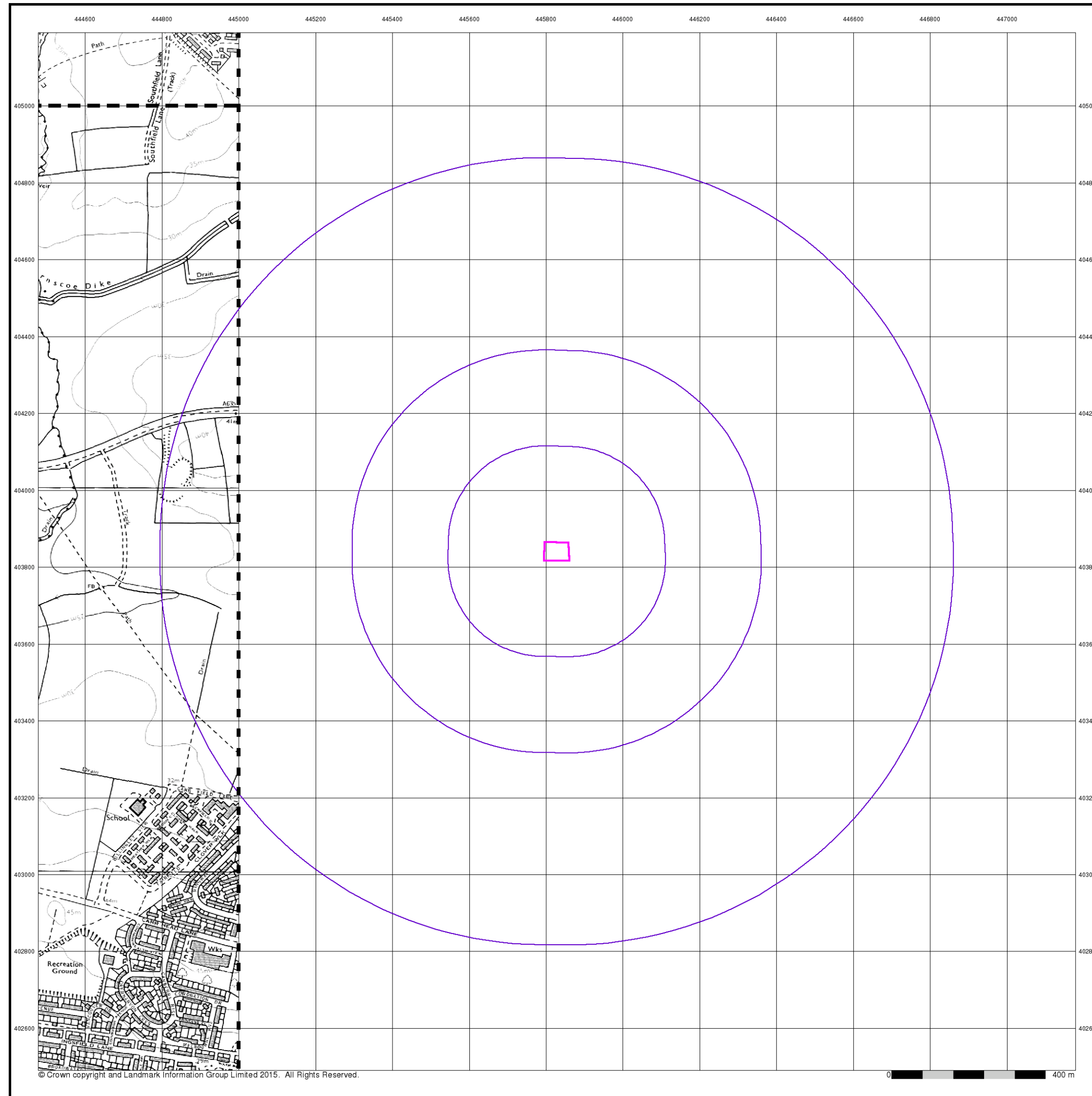
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 Search Buffer (m): 1000

Site Details

Site at 445810, 403850





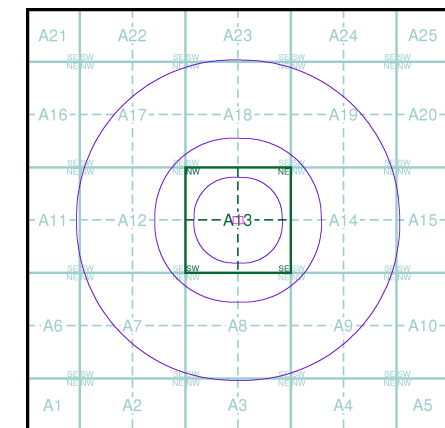
Ordnance Survey Plan
Published 1989
Source map scale - 1:10,000

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Map Name(s) and Date(s)

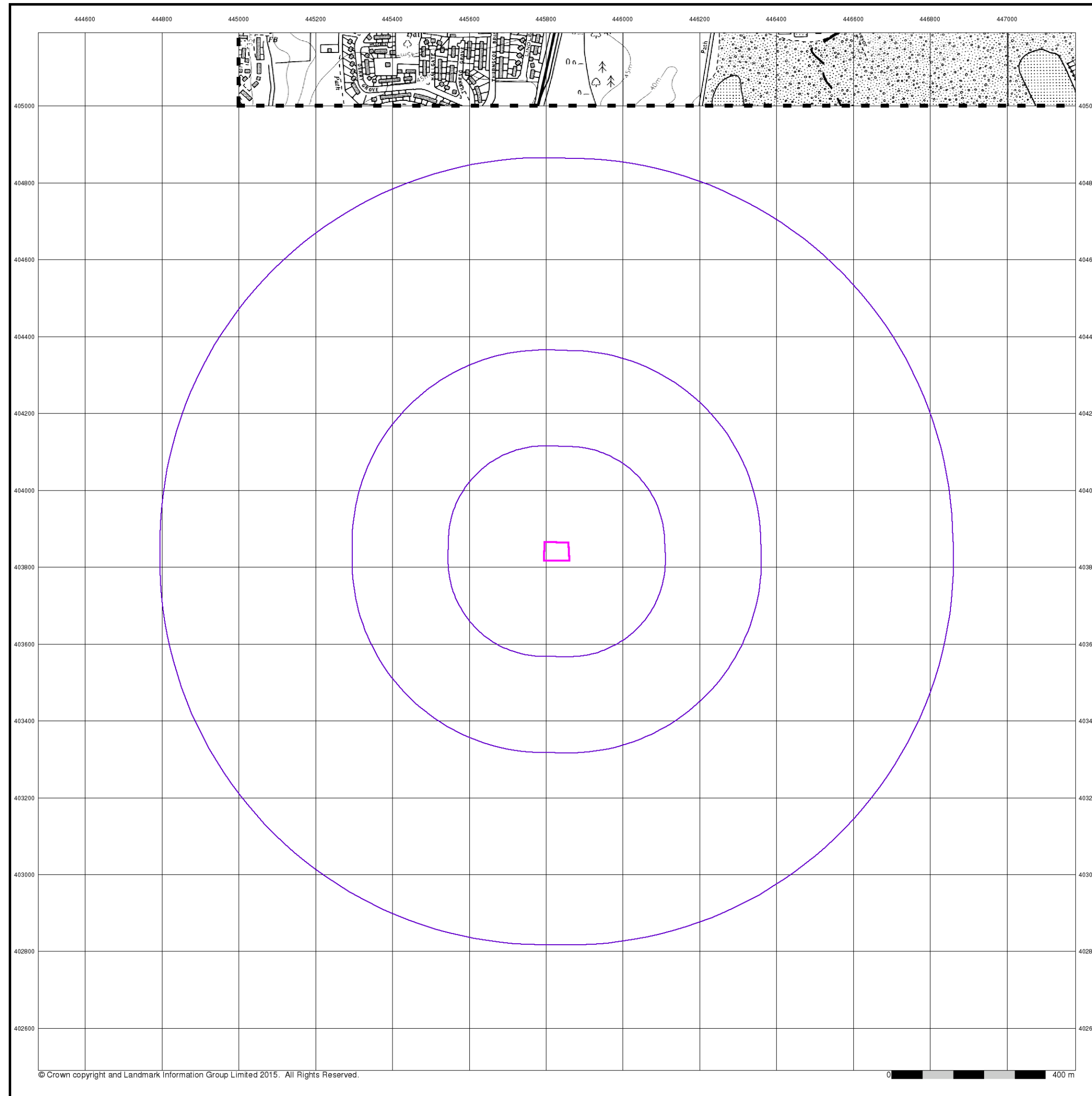
SE40NW	1989	1:10,000
SE40SW	1989	1:10,000

Historical Map - Slice A



Order Details
Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

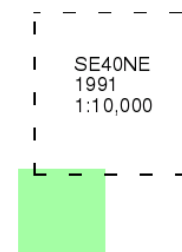
Site Details
Site at 445810, 403850



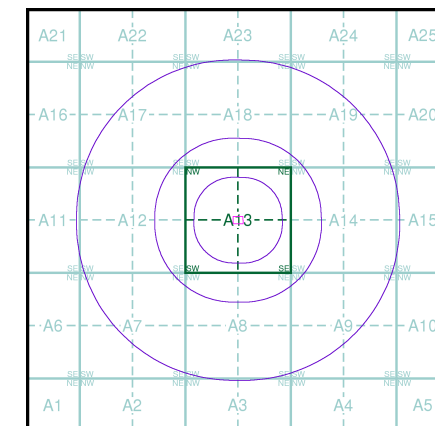
Ordnance Survey Plan
Published 1991
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details
Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details
Site at 445810, 403850

10k Raster Mapping

Published 2006

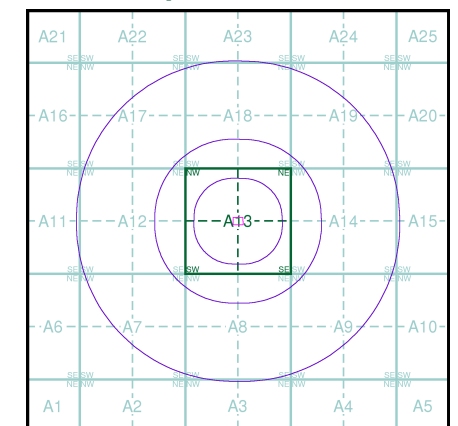
Source map scale - 1:10,000

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)

SE40NW 2006 1:10,000	SE40NE 2006 1:10,000
SE40SW 2006 1:10,000	SE40SE 2006 1:10,000

Historical Map - Slice A



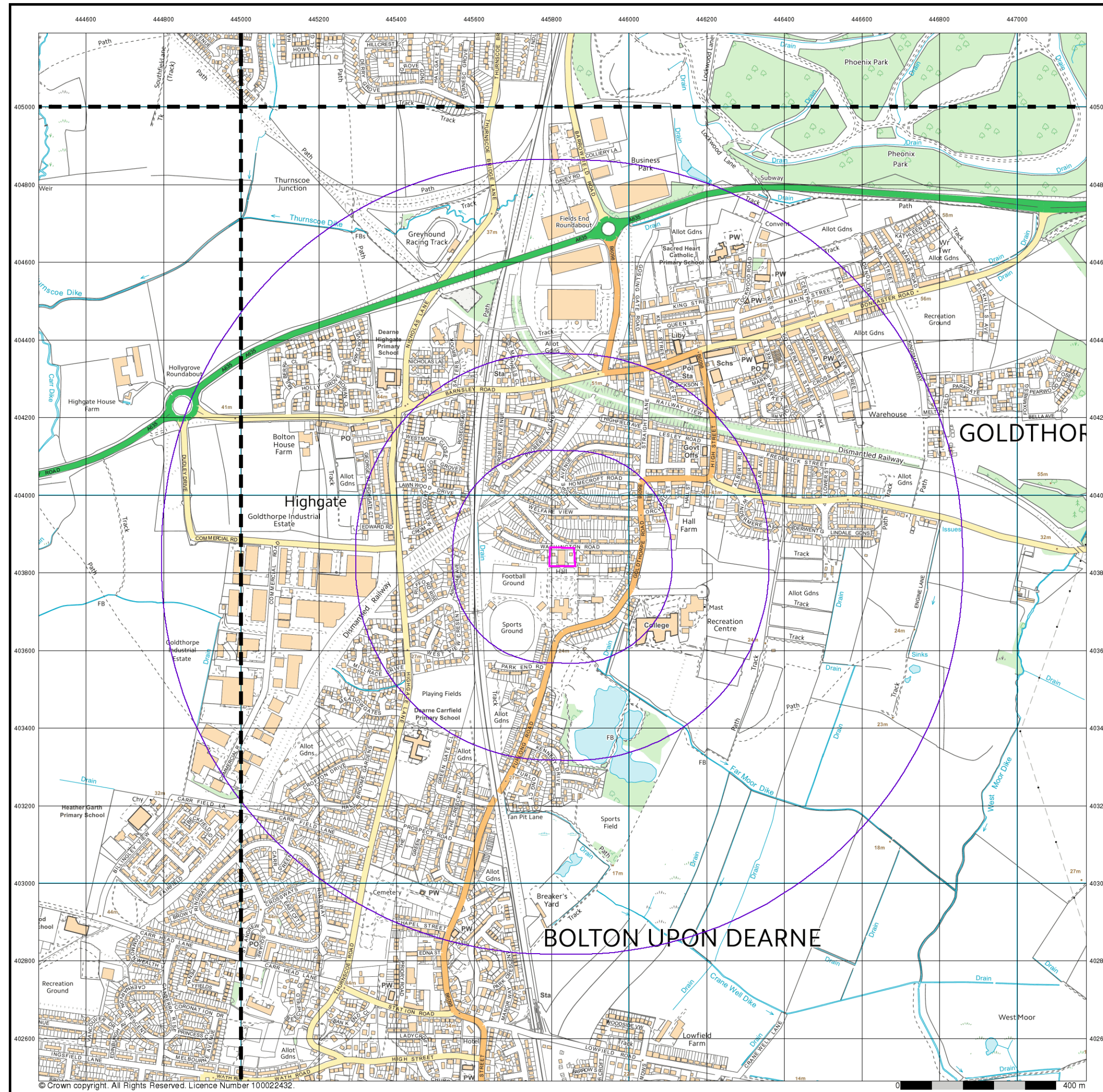
Order Details

Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Site at 445810, 403850





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VectorMap Local

Published 2015

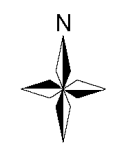
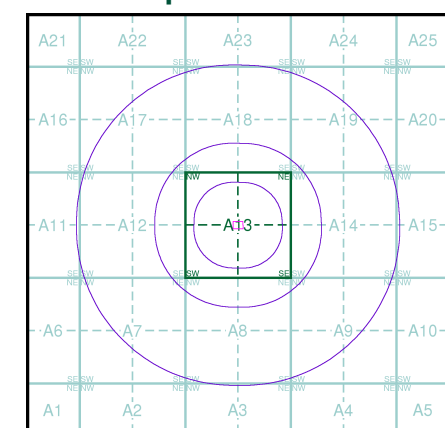
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE40NW	SE40NE
2015	2015
Variable	Variable
SE40SW	SE40SE
2015	2015
Variable	Variable

Historical Map - Slice A



Order Details

Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

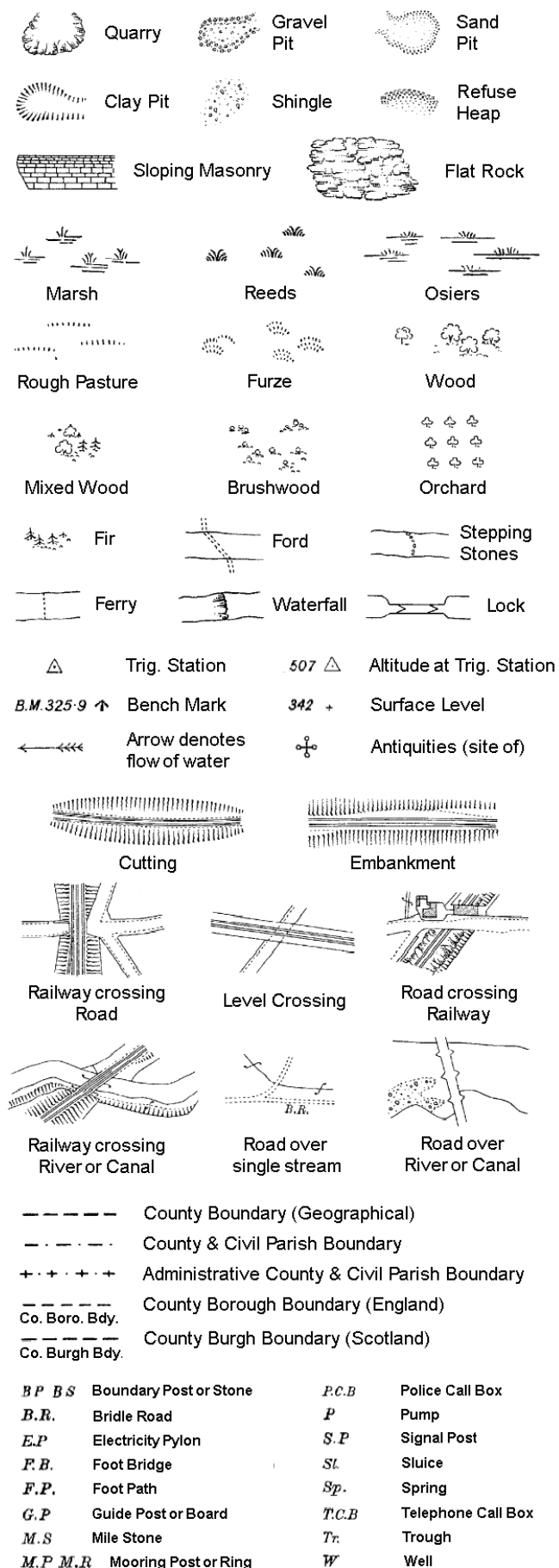
Site Details

Site at 445810, 403850

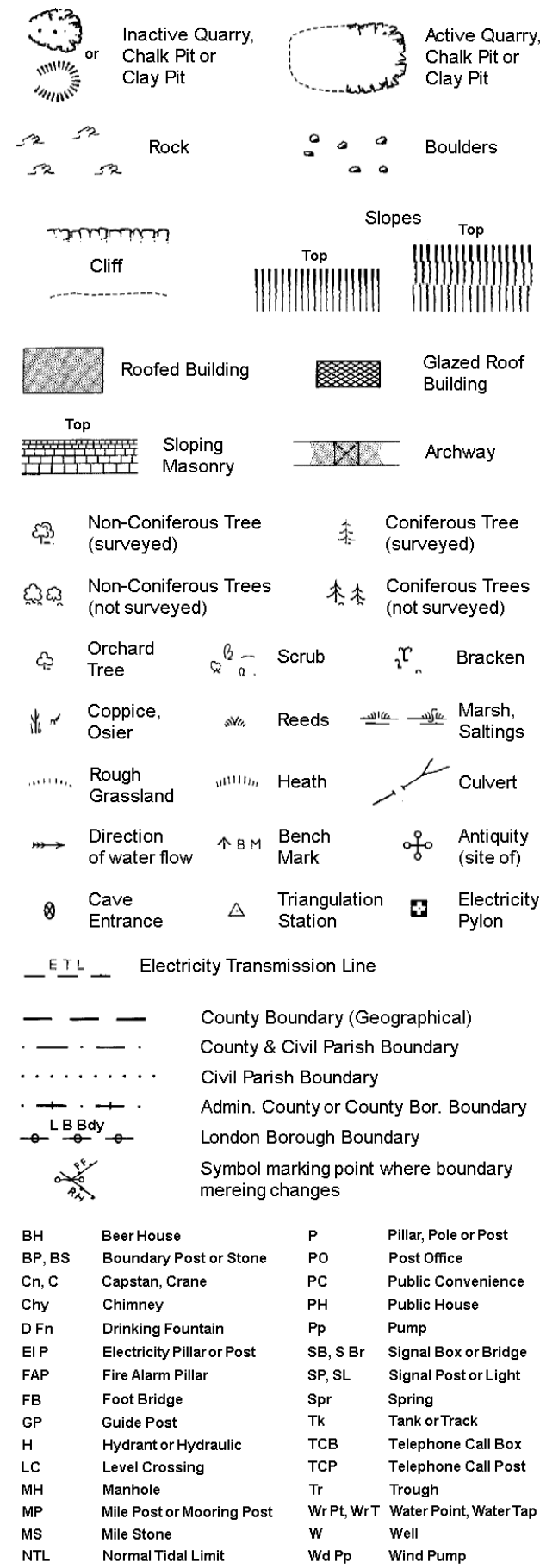


Historical Mapping Legends

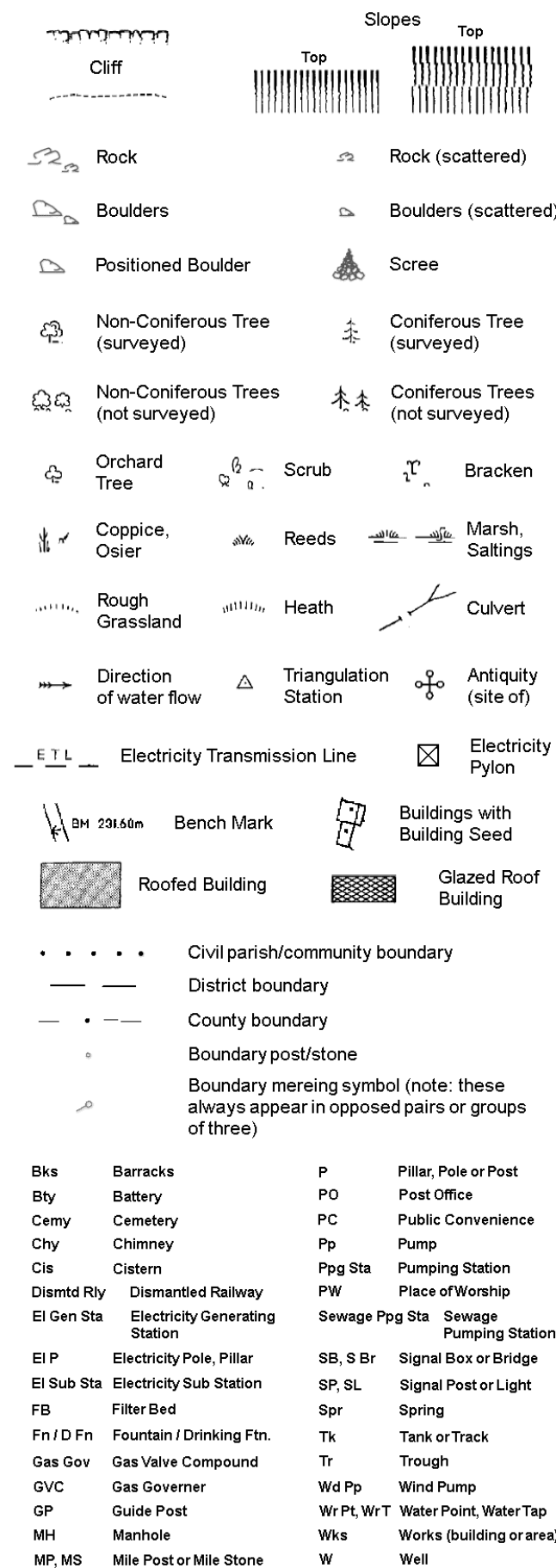
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



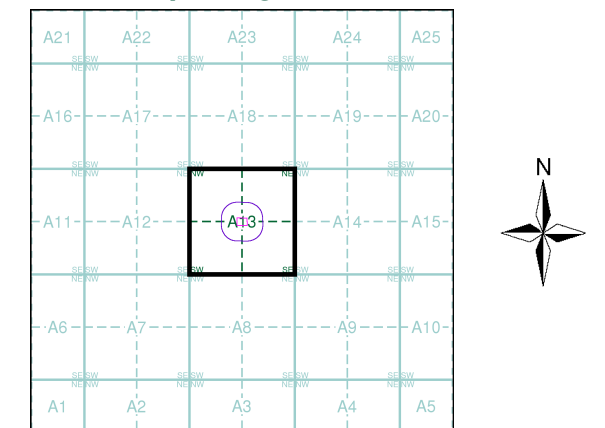
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1892	2
Yorkshire	1:2,500	1906	3
Yorkshire	1:2,500	1930	4
Ordnance Survey Plan	1:1,250	1961 - 1962	5
Ordnance Survey Plan	1:2,500	1962	6
Additional SIMs	1:1,250	1962 - 1991	7
Ordnance Survey Plan	1:1,250	1965 - 1976	8
Additional SIMs	1:1,250	1979 - 1990	9
Additional SIMs	1:1,250	1991	10
Large-Scale National Grid Data	1:1,250	1993	11
Large-Scale National Grid Data	1:1,250	1994 - 1995	12
Large-Scale National Grid Data	1:1,250	1995	13

Historical Map - Segment A13



Order Details

Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

Site at 445810, 403850

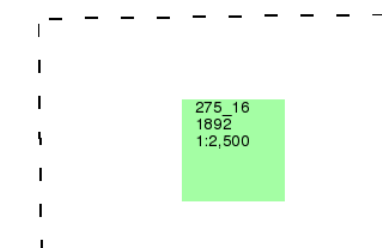
Yorkshire

Published 1892

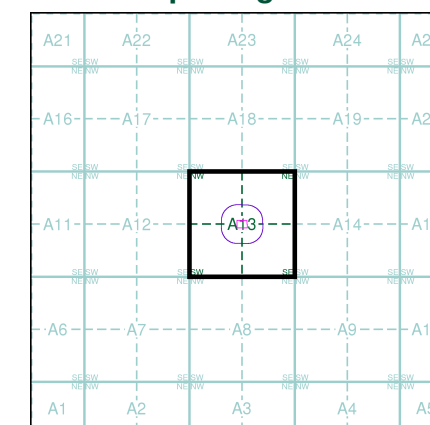
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

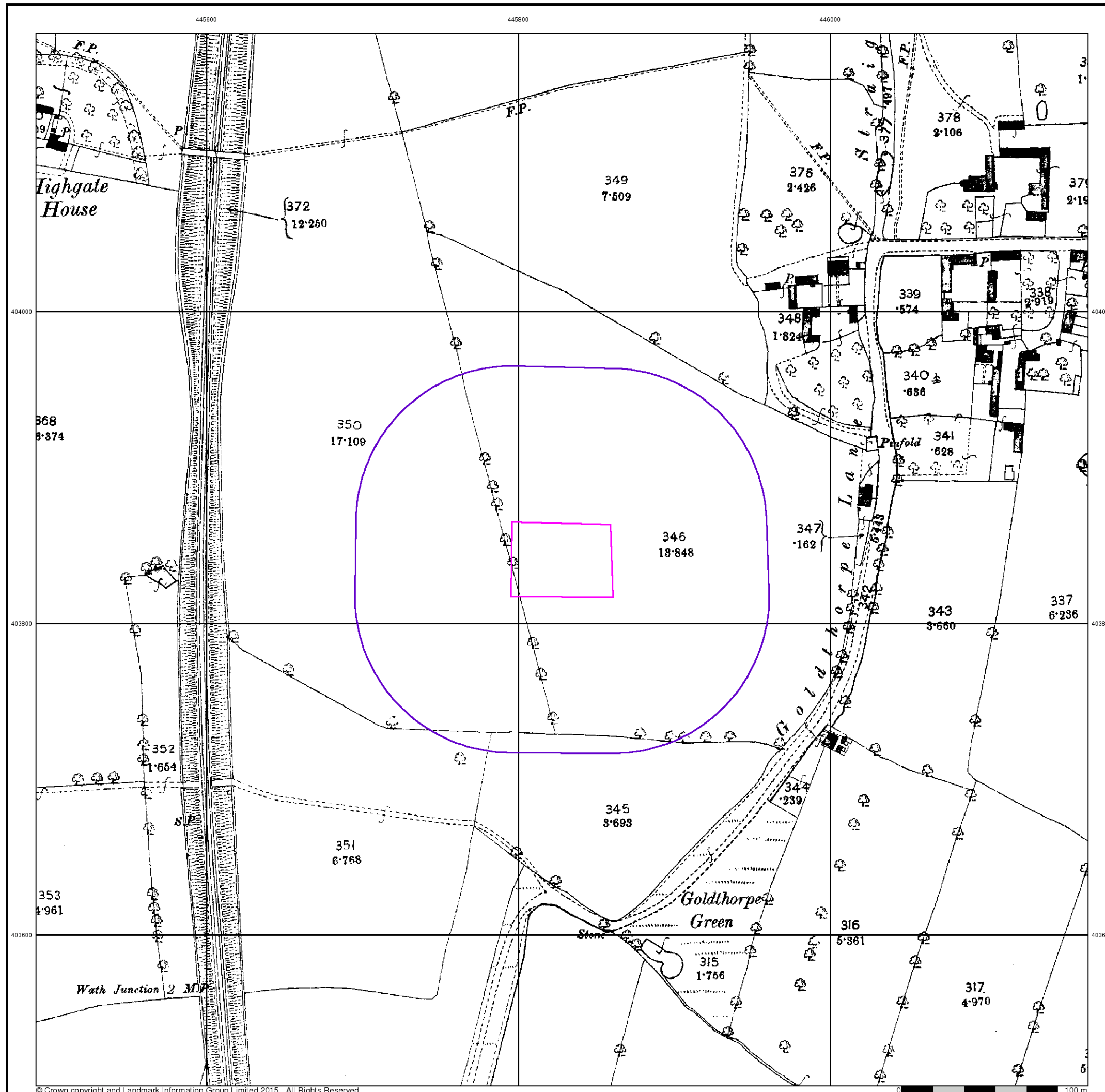


Order Details

Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

Site at 445810, 403850



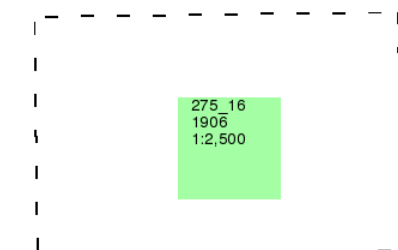
Yorkshire

Published 1906

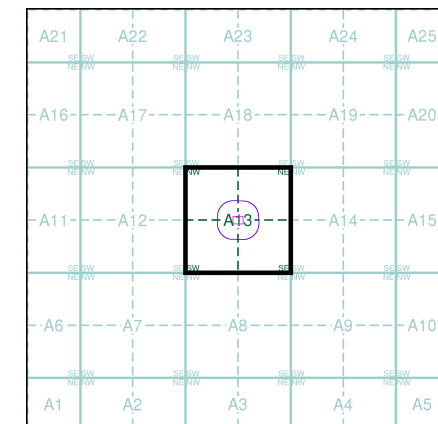
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

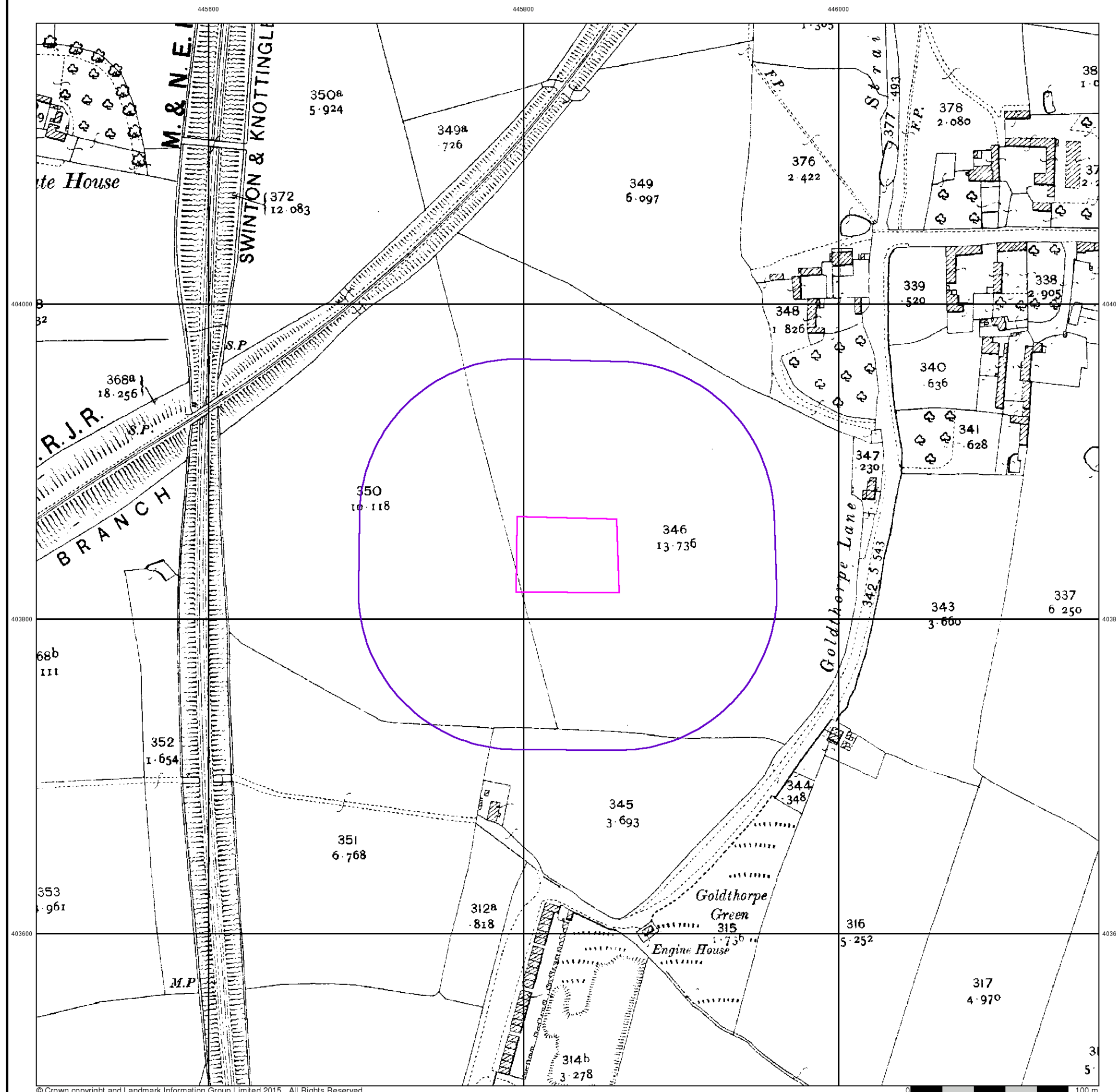


Order Details

Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

Site at 445810, 403850



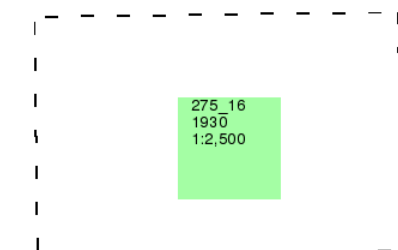
Yorkshire

Published 1930

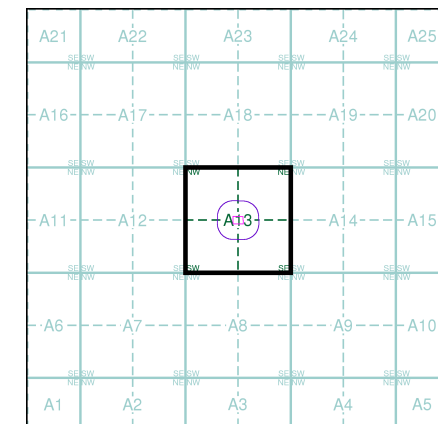
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

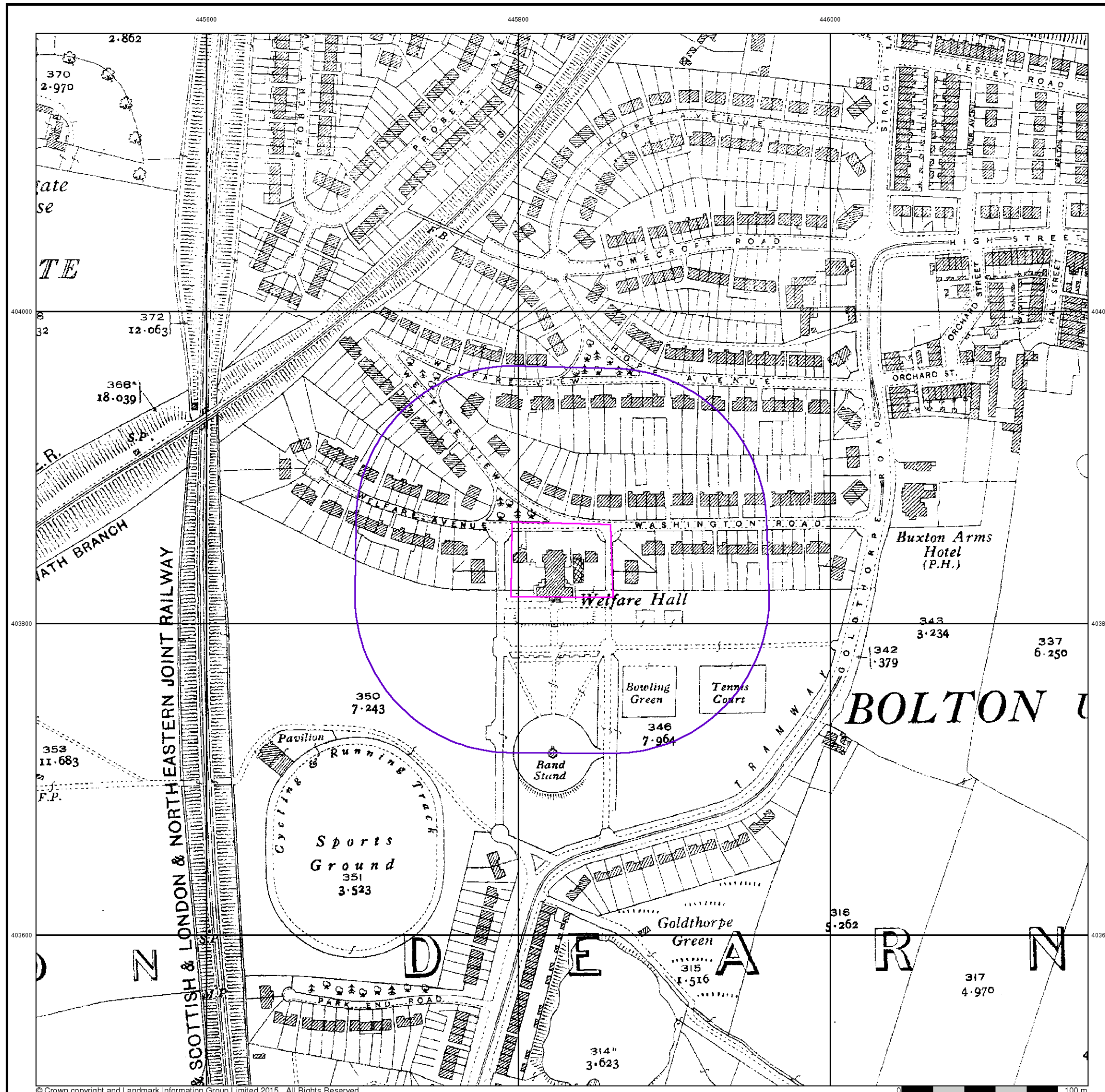


Order Details

Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

Site at 445810, 403850



Ordnance Survey Plan

Published 1961 - 1962

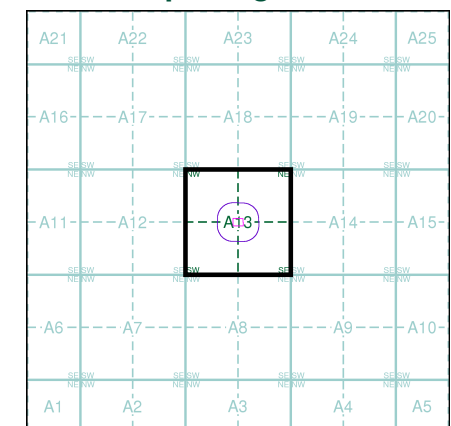
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SE4504SW 1962 1:1,250	SE4504SE 1962 1:1,250	SE4604SW 1962 1:1,250
SE4503NW 1962 1:1,250	SE4503NE 1962 1:1,250	SE4603NW 1961 1:1,250

Historical Map - Segment A13

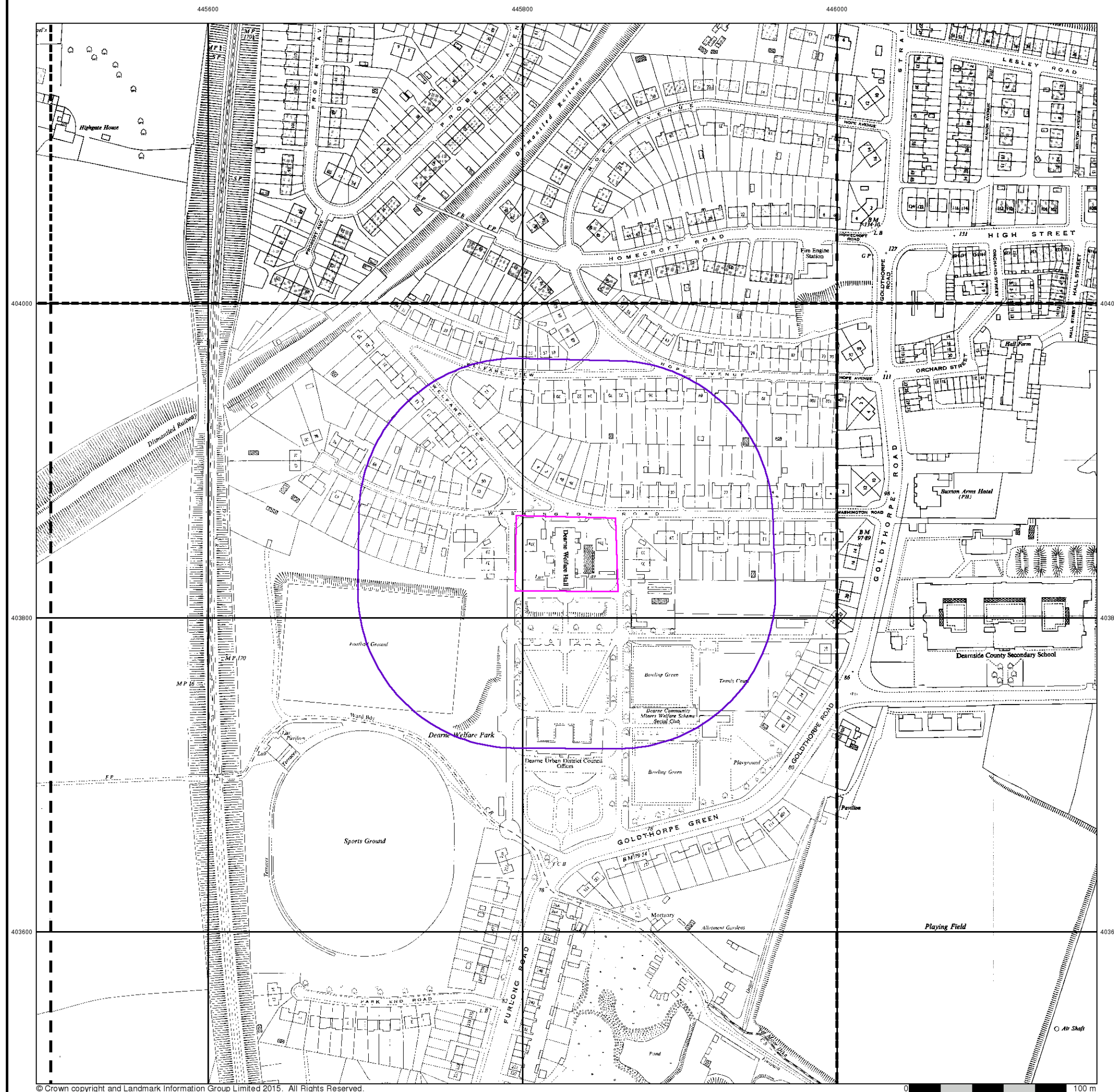


Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 100

Site Details

Site at 445810, 403850



Ordnance Survey Plan

Published 1962

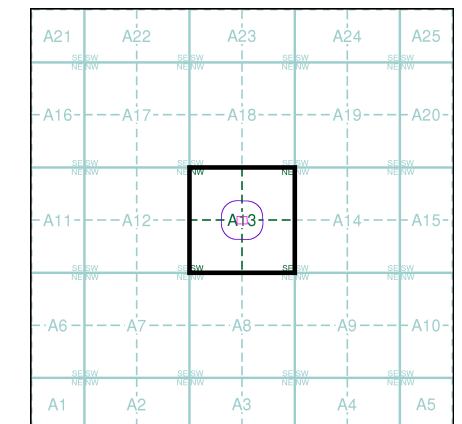
Source map scale - 1:2,500

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)

SE4504 1962 12,500	SE4604 1962 12,500
SE4503 1962 12,500	SE4603 1962 12,500

Historical Map - Segment A13

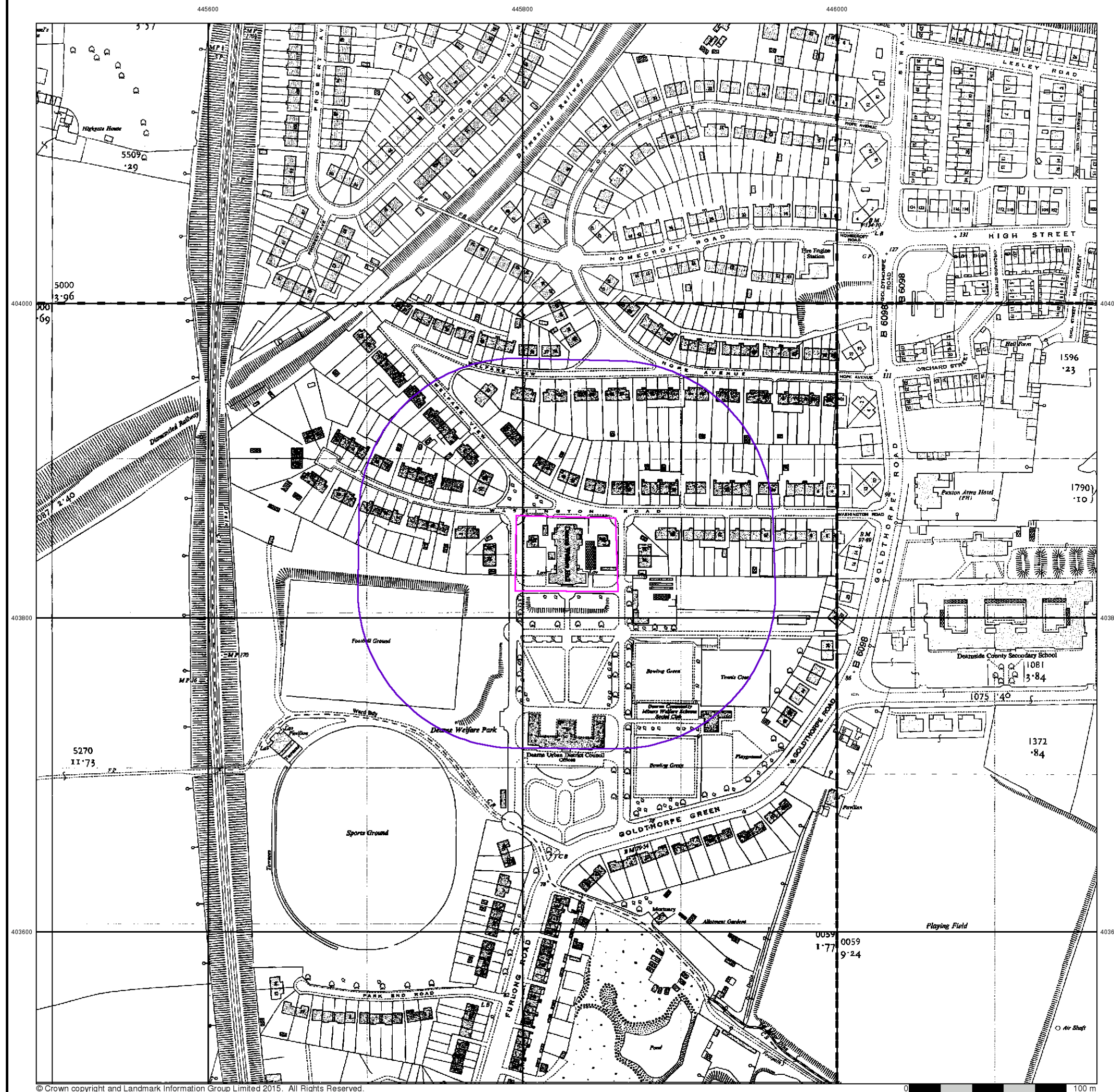


Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 100

Site Details

Site at 445810, 403850



Additional SIMs

Published 1962 - 1991

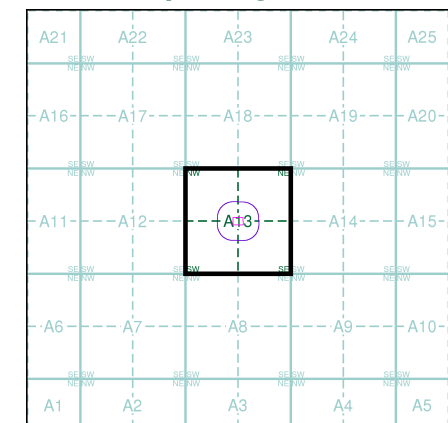
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SE4504SE 1991 1:1,250	SE4604SW 1962 1:1,250
SE4503NW 1982 1:1,250	

Historical Map - Segment A13

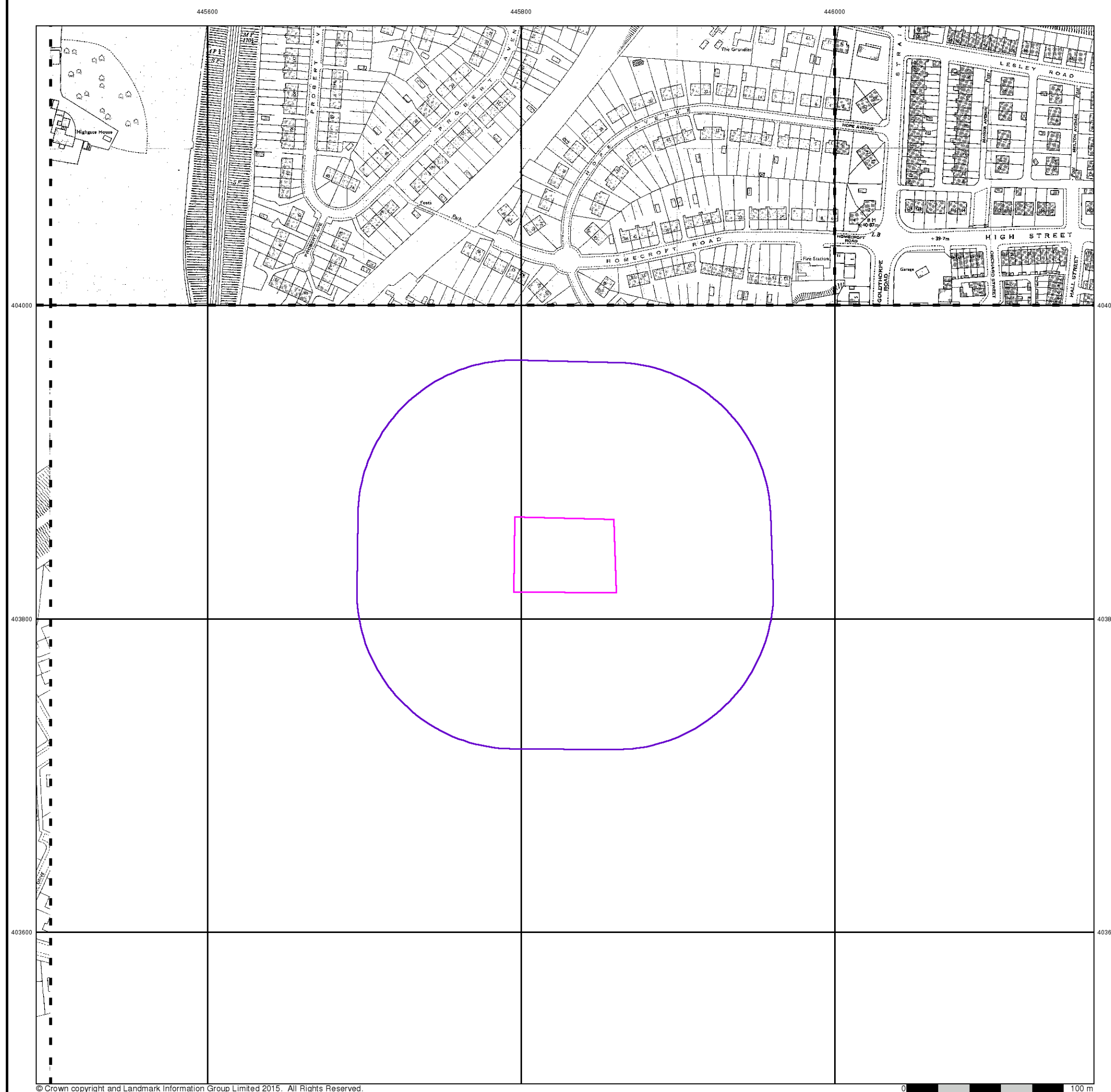


Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 100

Site Details

Site at 445810, 403850



Ordnance Survey Plan

Published 1965 - 1976

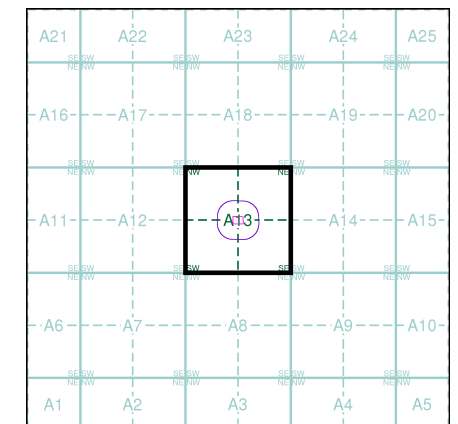
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SE4504SW 1976 1:1,250	SE4504SE 1976 1:1,250	
SE4503NW 1971 1:1,250	SE4503NE 1965 1:1,250	SE4603NW 1976 1:1,250

Historical Map - Segment A13

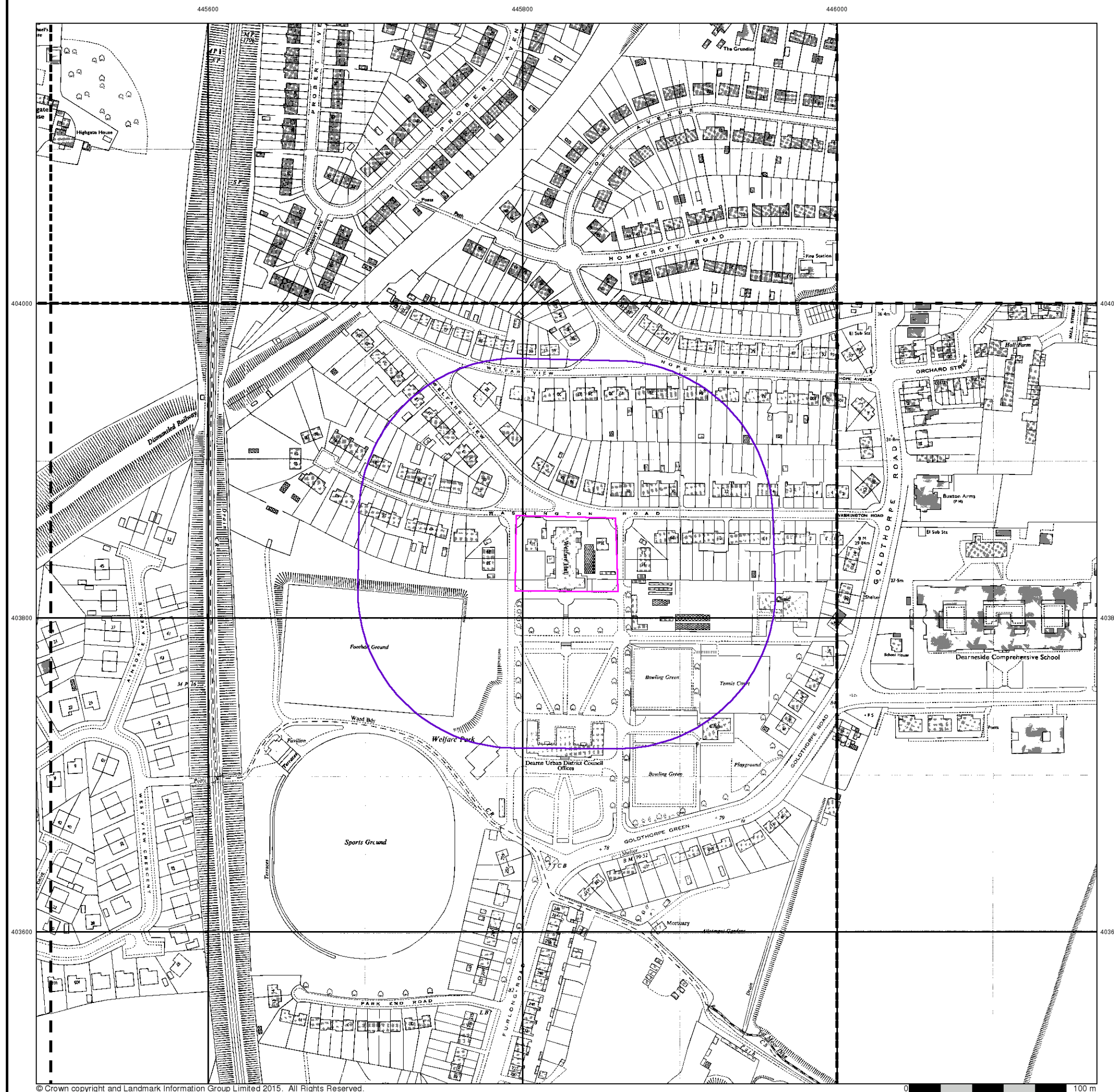


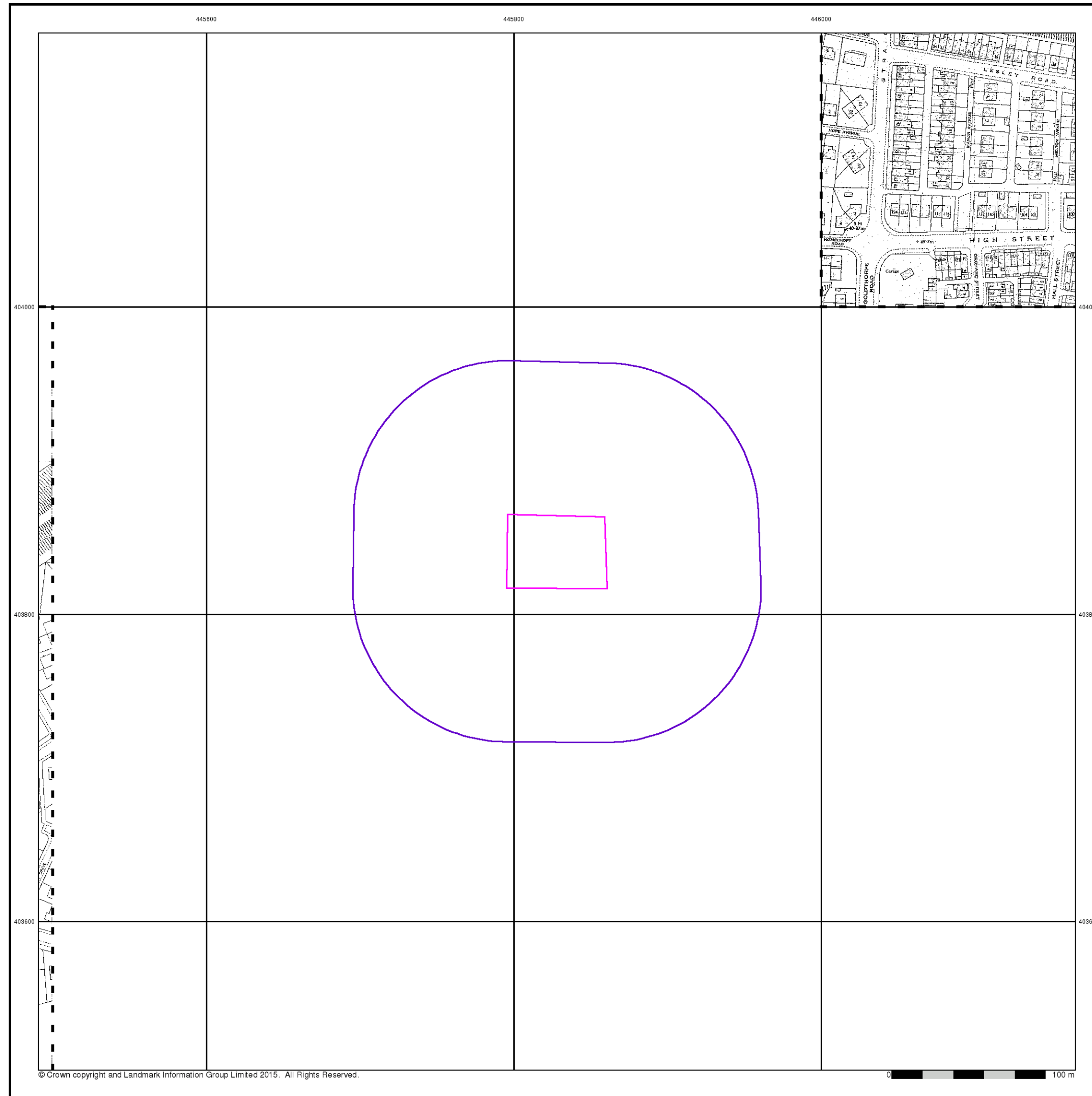
Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 100

Site Details

Site at 445810, 403850





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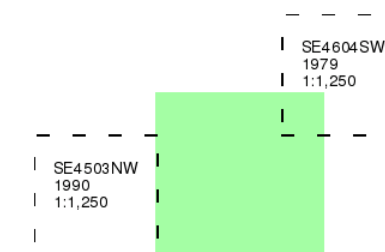
Additional SIMs

Published 1979 - 1990

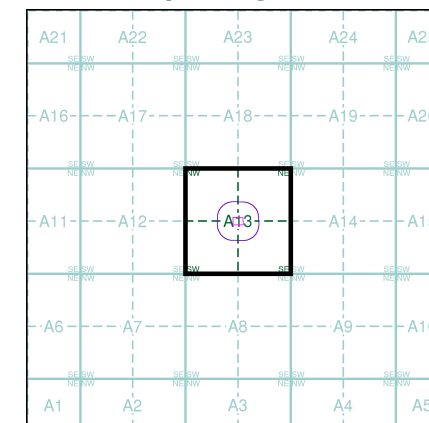
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

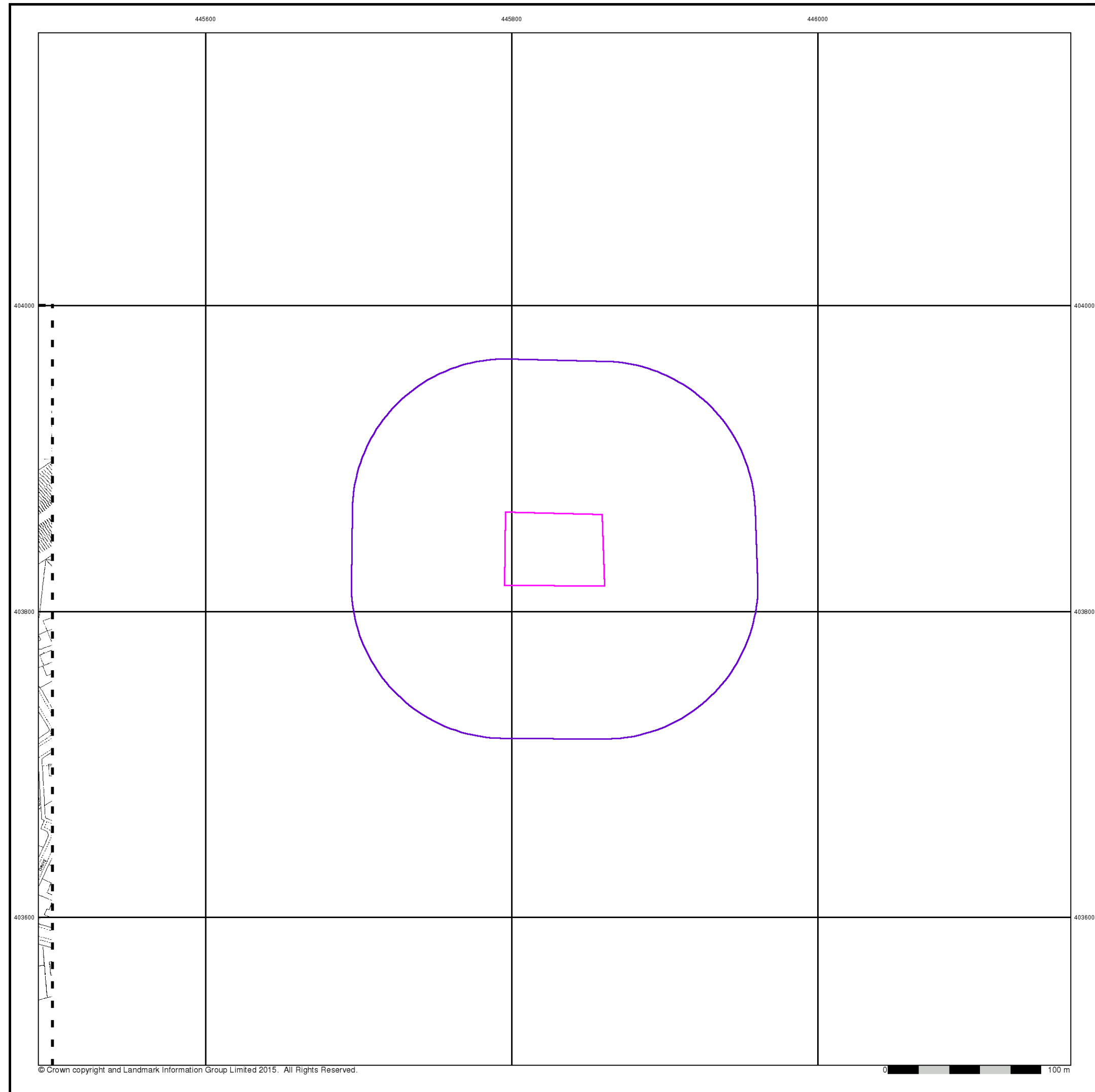
Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

Site at 445810, 403850



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





Additional SIMs

Published 1991

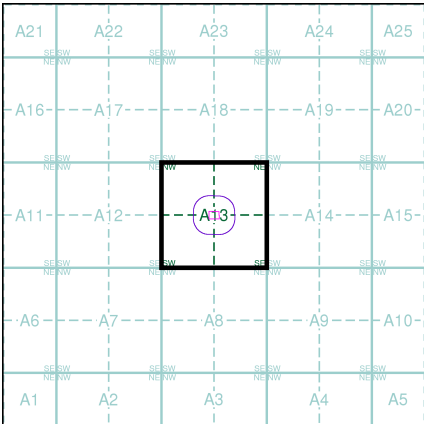
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SE4503NW
1991
1:1,250

Historical Map - Segment A13



Order Details

Order Number:	71025784_1_1
Customer Ref:	38885
National Grid Reference:	445830, 403840
Slice:	A
Site Area (Ha):	0.31
Search Buffer (m):	100

Site Details

Site at 445810, 403850



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

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Large-Scale National Grid Data

Published 1993

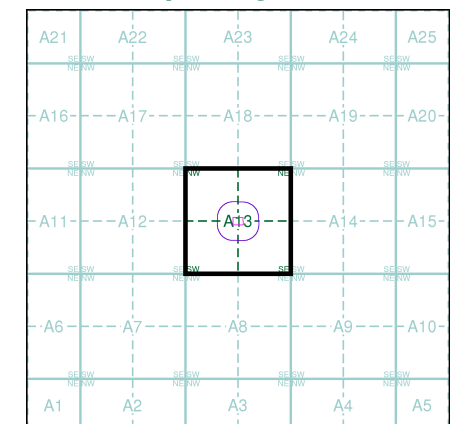
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SE4504SW 1993 1:1,250	SE4504SE 1993 1:1,250	
SE4503NW 1993 1:1,250	SE4503NE 1993 1:1,250	SE4603NW 1993 1:1,250

Historical Map - Segment A13

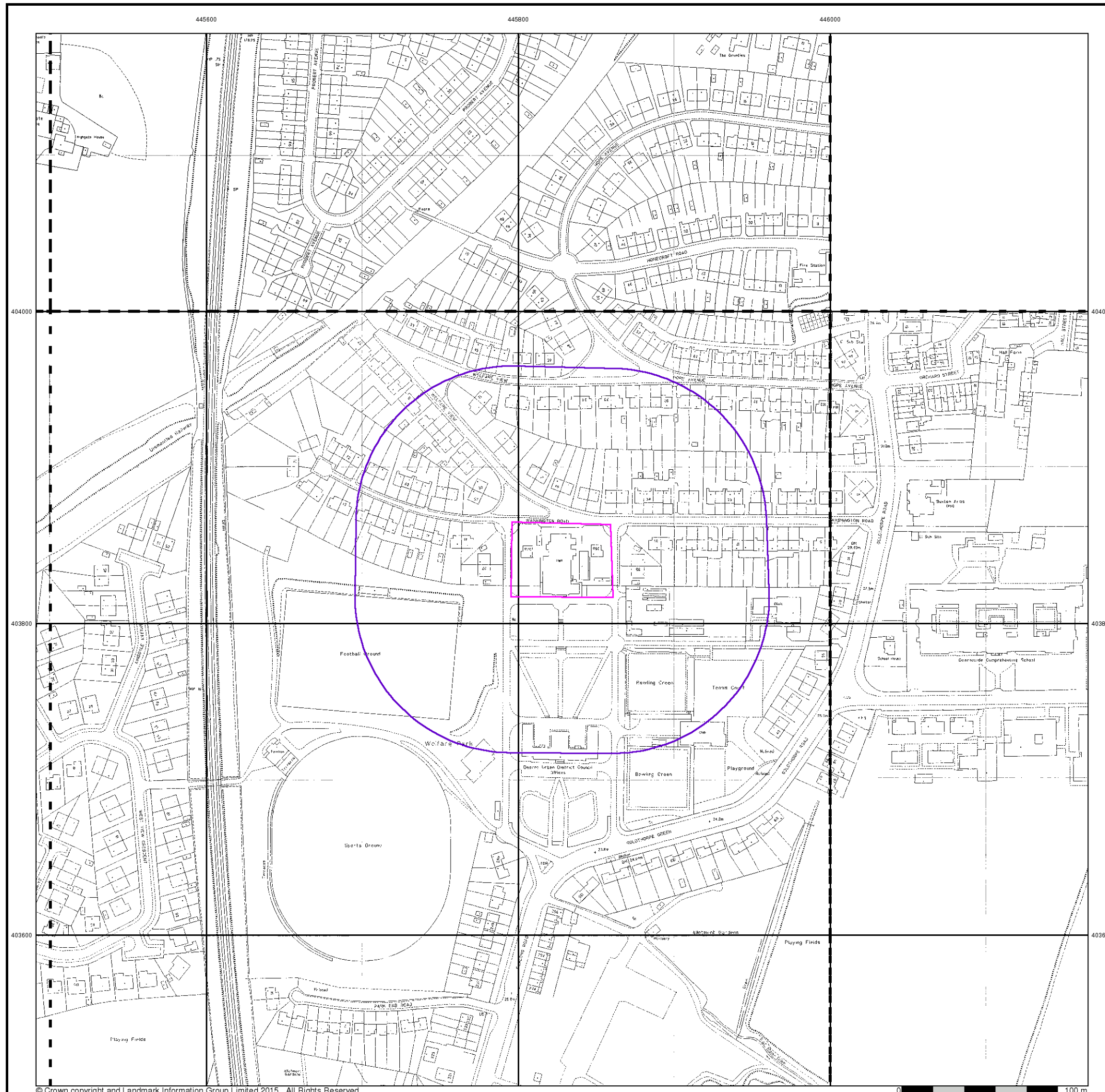


Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 100

Site Details

Site at 445810, 403850



Large-Scale National Grid Data

Published 1994 - 1995

Source map scale - 1:1,250

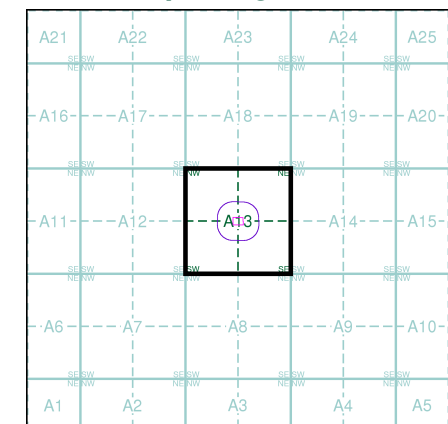
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

SE4504SW	SE4504SE	SE4604SW
1995	1994	1994
1:1,250	1:1,250	1:1,250



Historical Map - Segment A13

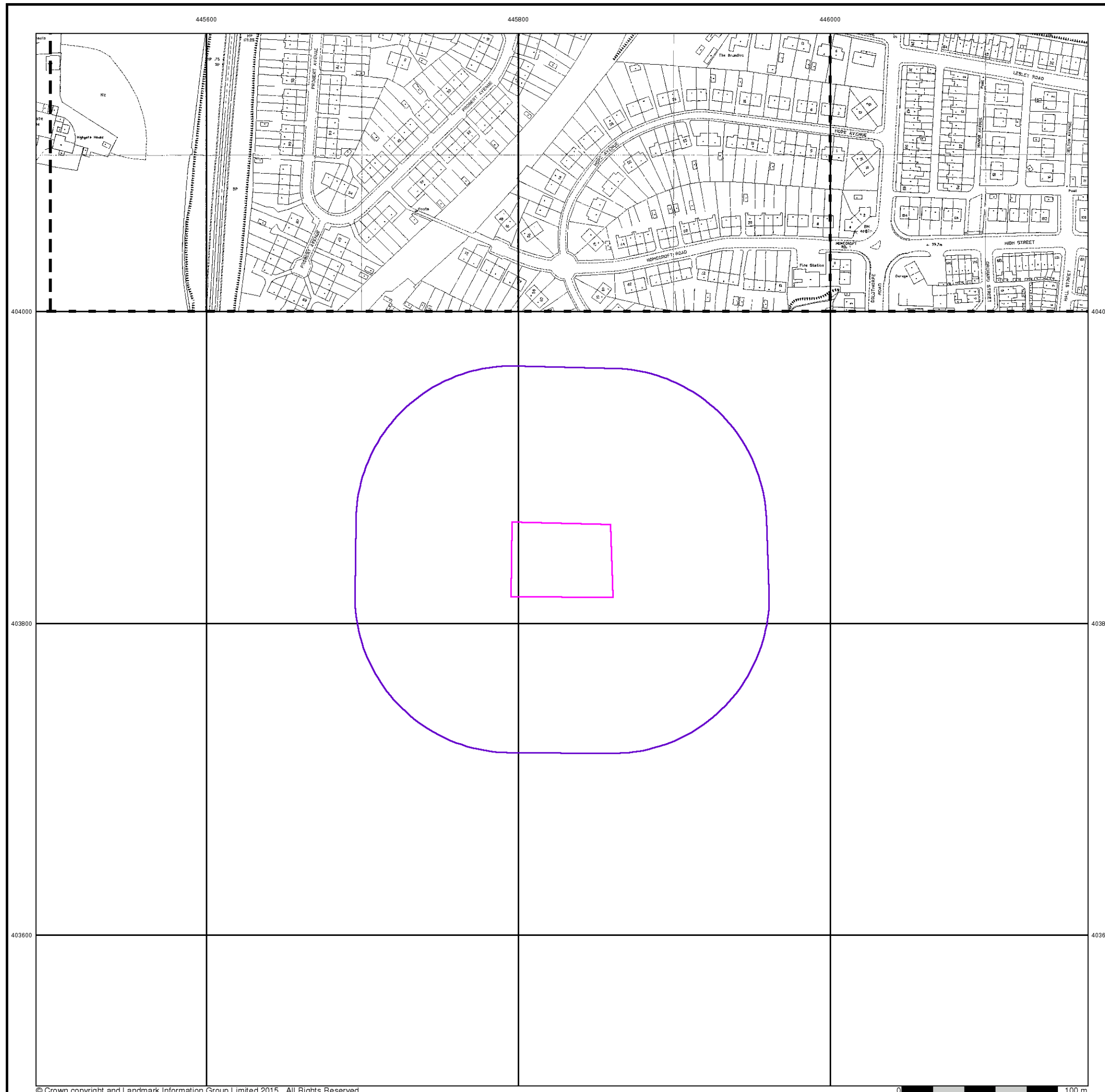


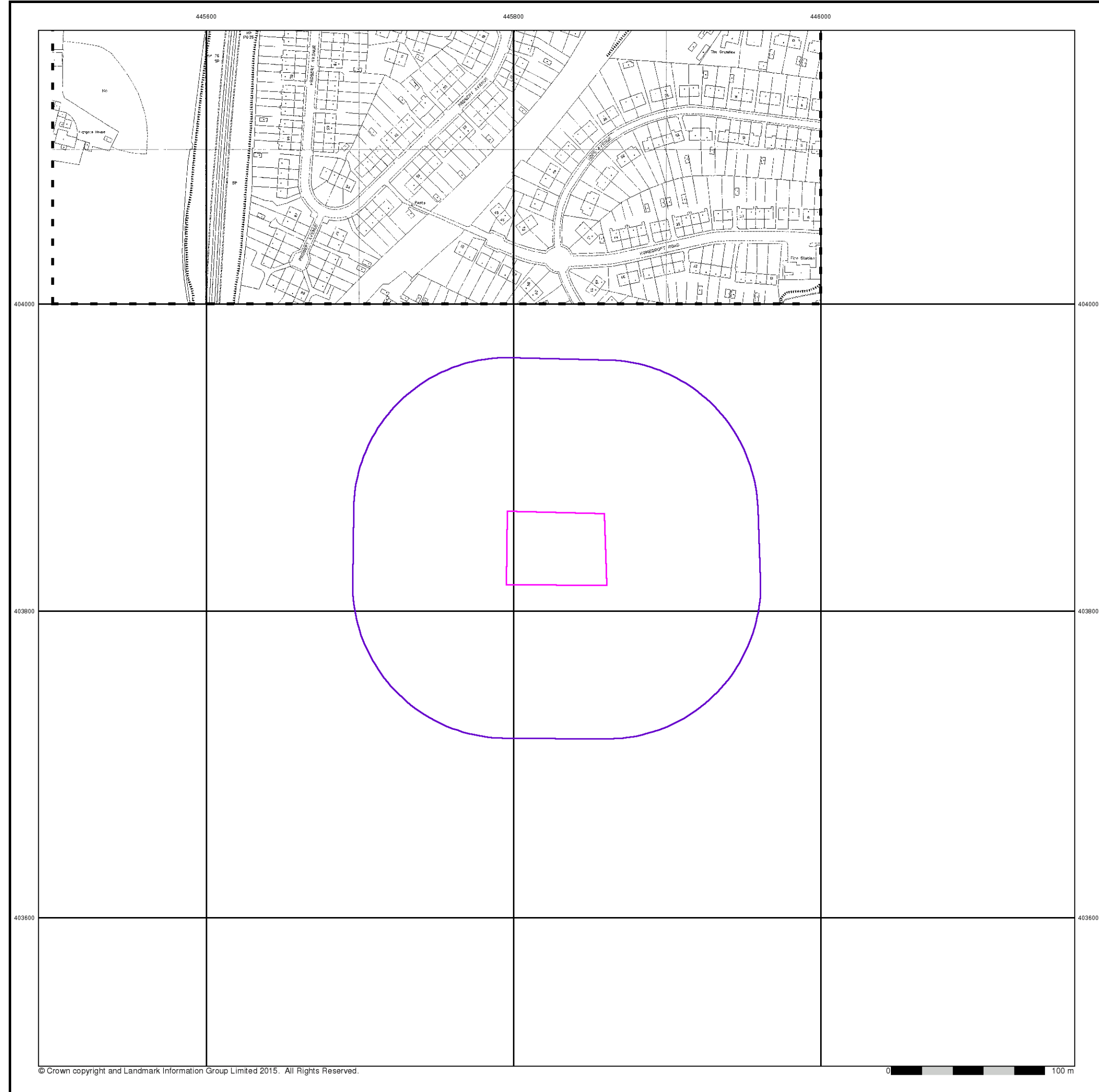
Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 100

Site Details

Site at 445810, 403850







Large-Scale National Grid Data

Published 1995

Source map scale - 1:1,250

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

Map Name(s) and Date(s)

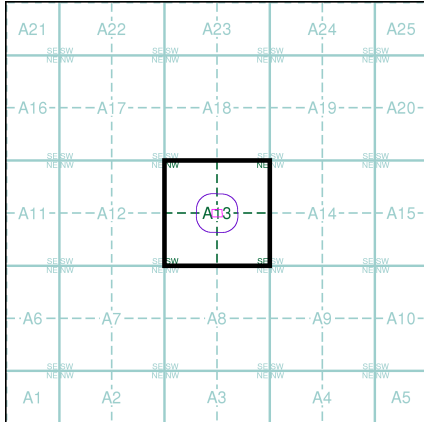
SE4504SE

1995

1:1,250



Historical Map - Segment A13



Order Details

Order Number:	71025784_1_1
Customer Ref:	38885
National Grid Reference:	445830, 403840
Slice:	A
Site Area (Ha):	0.31
Search Buffer (m):	100

Site Details

Site at 445810, 403850



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

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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

71025784_1_1

Customer Reference:

38885

National Grid Reference:

445830, 403840

Slice:

A

Site Area (Ha):

0.31

Search Buffer (m):

1000

Site Details:

Site at 445810, 403850

Client Details:

Miss K Daddo-Langlois
Eastwood & Partners Ltd
St Andrews House
23 Kingfield Road
Sheffield
S11 9AS

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	13
Hazardous Substances	-
Geological	20
Industrial Land Use	30
Sensitive Land Use	38
Data Currency	39
Data Suppliers	44
Useful Contacts	45

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 v49.0

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Agency & Hydrological					
Contaminated Land Register Entries and Notices					
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Integrated Pollution Controls	pg 3				1
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 3			5	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4		Yes		
Pollution Incidents to Controlled Waters	pg 5			1	14
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 7				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 7				1
Water Abstractions	pg 7			1	(*11)
Water Industry Act Referrals	pg 10				1
Groundwater Vulnerability	pg 10	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			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	Yes	n/a
Detailed River Network Offline Drainage	pg 12		Yes		n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 13			1	
Historical Landfill Sites	pg 13			2	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 13			1	7
Local Authority Recorded Landfill Sites	pg 15			2	1
Registered Landfill Sites	pg 16			1	1
Registered Waste Transfer Sites	pg 16				1
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Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 20	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 20	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 27			1	4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 28	Yes	n/a	n/a	n/a
Mining Instability	pg 28	Yes	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 28	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 28		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 28	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 29		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 29	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)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 30		1	18	62
Fuel Station Entries	pg 37			2	
Sensitive Land Use					
Areas of Adopted Green Belt	pg 38			1	1
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 38	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	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Pumping Station Location: Highgate Lane Ps, Highgate Lane, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: WADC218 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge: Freshwater Stream/River Environment: Receiving Water: Thurnscoe Dyke Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	401	2	445480 403570
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: West View Crescent Pumping Station Highgate Lane No:2, Goldthorpe, Rotherham, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7687 Permit Version: 1 Effective Date: 6th March 2001 Issued Date: 6th March 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Carr Dike Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	479	2	445420 403520
3	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Not Given Location: Mexbrough Road, DARTON, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/UD/53 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm /emergency overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Far Moor Dyke Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	490	2	446100 403390
3	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: Goldthorpe Furlong Road, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/UD/53 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 28th May 1963 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	494	2	446100 403385

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Furlong Pond Cso Off Furlong Road, Goldthorpe, Rotherham, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3640 Permit Version: 1 Effective Date: 23rd August 1982 Issued Date: 23rd August 1982 Revocation Date: 27th March 2003 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Far Moor Dyke Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	538	2	446200 403400
5	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Furlong Pond Cso Off Furlong Road, Goldthorpe, Rotherham, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3640 Permit Version: 2 Effective Date: 28th March 2003 Issued Date: 28th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Far Moor Dyke Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	555	2	446160 403350
6	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Highgate Lane Pumping Station Goldthorpe, Barnsley, South Yorkshire, England Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5499 Permit Version: 2 Effective Date: 6th March 2001 Issued Date: 6th March 2001 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Carr Dike Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	580	2	445310 403500
6	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Highgate Lane Pumping Station Goldthorpe, Barnsley, South Yorkshire, England Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5499 Permit Version: 1 Effective Date: 14th April 1989 Issued Date: 14th April 1989 Revocation Date: 5th March 2001 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Carr Dike Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	580	2	445310 403500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Highgate Industrial Estate Sps Commercial Road, Goldthorpe Industrial Estate, Bolton Upon Dearne, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3508 Permit Version: 1 Effective Date: 31st December 1980 Issued Date: 31st December 1980 Revocation Date: 5th February 2003 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Carr Dyke Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 10m	A12SW (W)	865	2	444940 403690
7	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Highgate Industrial Estate Sps Commercial Road, Goldthorpe Industrial Estate, Bolton Upon Dearne, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3508 Permit Version: 2 Effective Date: 6th February 2003 Issued Date: 6th February 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Carr Dyke Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SW (W)	867	2	444940 403680
8	Integrated Pollution Controls Name: Idi Europe Ltd (Dissolved) Location: Unit 20, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Authority: Environment Agency, North East Region Permit Reference: AB4176 Dated: 28th February 1992 Process Type: IPC new application Description: 4.5 A (H) Inorganic Chemical processes within the Chemical Industry Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A7NW (SW)	790	2	445092 403458
9	Local Authority Pollution Prevention and Controls Name: M A Morrow Location: Central Services Garage, Furlong Road, Rotherham, South Yorkshire, S63 9PR Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A8NW (S)	433	3	445778 403385
10	Local Authority Pollution Prevention and Controls Name: Dearneside Motors Location: DEARNESIDE MOTOR CO. LIMITED, 106 Barnsley Road, Goldthorpe, ROTHERHAM, South Yorkshire, S63 9AE Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: ppc/b/88 Dated: 7th January 2002 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A18SE (N)	461	3	445887 404323

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Local Authority Pollution Prevention and Controls Name: H & A Motors Location: Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AA Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Epa111 Dated: 3rd July 2001 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorised Positional Accuracy: Automatically positioned to the address	A18SE (N)	474	3	445893 404336
11	Local Authority Pollution Prevention and Controls Name: Monks Hill Service Station Location: Barnsley Road Highgate, Goldthorpe, ROTHERHAM, South Yorkshire, S63 9AP Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/106 Dated: 24th March 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A18SW (NW)	474	3	445597 404295
12	Local Authority Pollution Prevention and Controls Name: Clean 'N' Mend Location: 47 Barnsley Road, Goldthorpe, Rotherham, S63 9LT Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/76 Dated: 22nd August 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	497	3	446065 404315
13	Local Authority Pollution Prevention and Controls Name: Launderama Location: High Street, Goldthorpe, Rotherham, S63 9HJ Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/72 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Application Refused Or Cancelled Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	543	3	446200 404286
14	Local Authority Pollution Prevention and Controls Name: Bh Motors Location: Gosling Gate Lane, Goldthorpe, Rotherham, S63 9LU Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/111 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Located by supplier to within 10m	A18SE (N)	647	3	446012 404492
15	Local Authority Pollution Prevention and Controls Name: Hoyland Fox Goldthorpe Location: Unit 2 Fieldsend Industrial Estate, Fields End Road, Goldthorpe, Rotherham, S63 9AF Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/73 Dated: 4th December 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic Status: Site Closed Positional Accuracy: Located by supplier to within 10m	A18NE (N)	728	3	445891 404590
	Nearest Surface Water Feature	A13SW (W)	180	-	445615 403831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Rd Bridge/Bolton Brdg B6098 Dearne 05 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 27th May 1992 Incident Reference: 133396 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	439	2	445900 404300
17	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Tributary Of Carr Dyke Authority: Environment Agency, North East Region Pollutant: Sewage - Wrong Connection Note: No Fish Killed Incident Date: 26th September 1997 Incident Reference: SH970517 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	588	2	445300 403500
18	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Meadowgates, Bolton On Dearne Authority: Environment Agency, North East Region Pollutant: Sewage - Wrong Connection Note: Ings/Carr/Thurnscoe Dikes; No Fish Killed Incident Date: 27th May 1998 Incident Reference: SH980238 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	608	2	445250 403550
18	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Meadowgates, Bolton On Dearne Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Ings/Carr/Thurnscoe Dikes; No Fish Killed Incident Date: 16th June 1998 Incident Reference: SH980235 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	610	2	445250 403545
18	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Carr Dyke, Meadowgates, BOLTON UPON DEARNE Authority: Environment Agency, North East Region Pollutant: Sewage - Wrong Connection Note: Watercourse :Ings/Carr/Thurnscoe Dikes; From Houghton Beck To River Dearne Incident Date: 8th February 1998 Incident Reference: SH980037 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	639	2	445230 403520
19	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Tributary Of Carr Dyke Authority: Environment Agency, North East Region Pollutant: Chemicals - Alkali Note: No Fish Killed Incident Date: 10th September 1997 Incident Reference: SH970483 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	705	2	445100 403700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Pollution Incidents to Controlled Waters Property Type: Abandoned mine Location: Thurnscoe Dyke Downstream Of, Colliery Authority: Environment Agency, North East Region Pollutant: Mining Water Note: Pollution Found; No Fish Killed Incident Date: 26th November 1996 Incident Reference: SH960488 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	742	2	445700 404600
21	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Rd Brdg/Markers Brdg B6273 Dearne 07 Authority: Environment Agency, North East Region Pollutant: Coal Solids Note: Not Supplied Incident Date: 15th October 1992 Incident Reference: 137703 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	761	2	445600 404600
22	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Stockbridge/Carleton Bridge Aire 16A Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Not Supplied Incident Date: 15th April 1993 Incident Reference: 142880 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	824	2	445001 403601
23	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Markers Bridge B6273, /Darfd A635 Dearne 08 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 17th July 1992 Incident Reference: 135113 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	841	2	445700 404700
24	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Rd Brdg/Markers Brdg B6273 Dearne 07 Authority: Environment Agency, North East Region Pollutant: Mud/Clay/Soil Note: Not Supplied Incident Date: 18th March 1992 Incident Reference: 131388 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	853	2	445600 404695
24	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Rd Brdg/Markers Brdg B6273 Dearne 07 Authority: Environment Agency, North East Region Pollutant: Cement/Mortar Note: Not Supplied Incident Date: 26th March 1992 Incident Reference: 131635 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	858	2	445600 404700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Other Location: Thurnscoe Dyke, Near Goldthorpe Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Fish Killed: No Information Incident Date: 4th January 1996 Incident Reference: SH960026 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	935	2	445700 404795
25	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Other Location: Thurnscoe Dyke Near, GOLDTHORPE Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Pollution Found; Fish Killed: No Information Incident Date: 4th January 1996 Incident Reference: SH960026 Catchment Area: Dearne Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	940	2	445700 404800
26	Pollution Incidents to Controlled Waters Property Type: Industrial Premises Location: Rd Brdg/Markers Brdg B6273 Dearne 07 Authority: Environment Agency, North East Region Pollutant: Animal Waste/Slurry Note: Not Supplied Incident Date: 27th July 1992 Incident Reference: 135293 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	956	2	445600 404800
	River Quality Name: Ings/Carr/Thurnscoe_Dikes GQA Grade: River Quality C Reach: Hickleton_Main_Colli_Houghton_Bec Estimated Distance (km): 2.6 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A17NE (NW)	897	2	445420 404679
27	Substantiated Pollution Incident Register Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 12th December 2003 Incident Reference: 206454 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants And Effects: Smoke	A8SW (S)	830	2	445787 402988
28	Water Abstractions Operator: Barnsley Metropolitan Borough Council Licence Number: 2/27/08/101 Permit Version: Not Supplied Location: Dearne Brickyard Fishing Ponds, Goldthorpe, ROTHERHAM, South Yorkshire Authority: Environment Agency, North East Region Abstraction: Pond level maintenance Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 264 Yearly Rate (m3): 86000 Details: Status: Lapsed 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	A8NE (SE)	346	2	446000 403500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thomas Black Limited Licence Number: 2/27/08/102 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 968 Yearly Rate (m3): 227300 Details: Licence 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	A15NE (E)	1460	2	447300 404095
	Water Abstractions Operator: Thomas Black Limited Licence Number: 2/27/08/095 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 968 Yearly Rate (m3): 227000 Details: Licence Lapsed 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	A15NE (E)	1461	2	447300 404100
	Water Abstractions Operator: W Nash Licence Number: 2/27/08/125 Permit Version: 2 Location: Inland Water - River Dearne Authority: Environment Agency, North East Region Abstraction: Aquaculture: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Area Of Land Near Lowfield Road, Wath Upon Dearne, Rotherham, South Yorkshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th August 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1711	2	445970 402110
	Water Abstractions Operator: W Nash Licence Number: 2/27/08/125 Permit Version: 2 Location: River Dearne-Lowfield Lane-Wath On Dearne Authority: Environment Agency, North East Region Abstraction: Aquaculture: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Area Of Land Near Lowfield Road, Wath Upon Dearne, Rotherham, South Yorkshire Authorised Start: 01 September Authorised End: 31 March Permit Start Date: 30th August 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1711	2	445970 402110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: W Nash Licence Number: 2/27/08/125 Permit Version: 1 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: Aquaculture: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 20 Yearly Rate (m3): 2500 Details: The Area Of Land Near Lowfield Road, Wath Upon Dearne, Rotherham, South Yorkshire Authorised Start: 01 September Authorised End: 31 March Permit Start Date: 20th September 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1711	2	445970 402110
	Water Abstractions Operator: Wendy Nash Licence Number: 2/27/09/175 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Pond level maintenance Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 875 Yearly Rate (m3): 6125 Details: River Dearne 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	(S)	1711	2	445970 402110
	Water Abstractions Operator: Gateways Fuels Ltd Licence Number: 2/27/08/127 Permit Version: 1 Location: Inland Water - Tributary Of River Dearne Authority: Environment Agency, North East Region Abstraction: Mineral Products: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Manvers Depot, Common Lane, Bolton Road, Wath Upon Dearne, Rotherham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd August 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1818	2	445900 402000
	Water Abstractions Operator: A Ogden & Sons Ltd Licence Number: 2/27/08/120 Permit Version: 101 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: Mineral Products: General Use(High Loss) 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: Common Lane Off Mexborough Road, Near Bolton -On -Dearne Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th March 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1822	2	446000 402000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A Ogden & Sons Ltd Licence Number: 2/27/08/120 Permit Version: 100 Location: River Dearne Authority: Environment Agency, North East Region Abstraction: Mineral Products: General Use(High Loss) 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: Common Lane Off Mexborough Road, Near Bolton -On -Dearne Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th June 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1822	2	446000 402000
	Water Abstractions Operator: A Ogden & Sons Limited Licence Number: 2/27/08/129 Permit Version: Not Supplied Location: Common Lane, Off Mexborough Road, BOLTON UPON DEARNE Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 432 Yearly Rate (m3): 129600 Details: River Stream or Lake; Pump 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	(S)	1822	2	446000 402000
	Water Abstractions Operator: British Coal Licence Number: 2/27/08/022 Permit Version: Not Supplied Location: Manvers Main Colliery, WATH-UPON-DEARNE Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 10583 Yearly Rate (m3): 3750450 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	(S)	1958	2	445400 401900
29	Water Industry Act Referrals Name: Multiscreen Glass Ltd Location: MULTISCREEN GLASS LTD, UNIT 20 COMMERCIAL ROAD, GOLDTHORPE IND EST, ROTHERHAM, SOUTH YORKSHIRE, S63 9BL Authority: Environment Agency, North East Region Permit Reference: AE1947 Dated: 18th February 1992 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application cancelled Positional Accuracy: Automatically positioned to the address	A7NW (SW)	791	2	445092 403458
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 12 Vale of York Scale: 1:100,000	A13SW (NE)	0	2	445828 403840
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (NE)	0	4	445828 403840
	Superficial Aquifer Designations No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
30	Detailed River Network Lines River Type: Tertiary River River Name: Far Hydrographic Area: D004 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:	A13SE (SE)	190	2	445984 403672
31	Detailed River Network Lines River Type: Tertiary River River Name: Far Hydrographic Area: D004 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:	A13SE (SE)	240	2	445956 403598
32	Detailed River Network Lines River Type: Secondary River River Name: Far Hydrographic Area: D004 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:	A13SE (S)	270	2	445919 403554
33	Detailed River Network Lines River Type: Secondary River River Name: Far Hydrographic Area: D004 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:	A13SE (S)	291	2	445940 403537

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Detailed River Network Lines River Type: Secondary River River Name: Moor Hydrographic Area: D004 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:	A13SE (S)	292	2	445941 403537
35	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D004 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 (SW)	476	2	445423 403521
36	Detailed River Network Offline Drainage River Type: Tertiary River Hydrographic Area: D004	A13SW (W)	180	2	445615 403831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	BGS Recorded Landfill Sites Site Name: Marsh Tip Location: Goldthorpe, ROTHERHAM, South Yorks Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Derived	A14SW (SE)	449	-	446227 403559
38	Historical Landfill Sites Licence Holder: Barnsley Metropolitan Borough Council Location: Off Highfield Avenue, Goldthorpe Name: Railway Cutting Operator Location: Amenities and Recreation Department, 50 Huddersfield Road, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHLD04442 First Input Date: 31st May 1985 Last Input Date: 17th November 1986 Specified Waste Type: Deposited Waste included Inert and Commercial Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0416 BGS Ref: Not Supplied Other Ref: 20B474(13), WD20 B474, 4400/B474	A18SE (N)	324	2	445884 404186
39	Historical Landfill Sites Licence Holder: South Yorkshire County Council Location: Goldthorpe, Rotherham, South Yorkshire Name: Marsh Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04441 First Input Date: 31st December 1970 Last Input Date: 31st December 1979 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0408 BGS Ref: 1547 Other Ref: 4400/B3, 2B3(5), WD2 B3	A14SW (SE)	449	2	446227 403559
40	Licensed Waste Management Facilities (Locations) Licence Number: 60561 Location: Hope Street, Low Valley, Barnsley, South Yorkshire, S73 0HX Operator Name: R & J M Shaw Waste Disposal Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household, Commercial And Industrial Transfer Stations Licence Status: Surrendered Issued: 13th March 1985 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 5th July 2004 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NW (E)	352	2	446200 403950
41	Licensed Waste Management Facilities (Locations) Licence Number: 60611 Location: Land At Marsh Tip, Barnburgh Lane, Goldthorpe, Barnsley, South Yorkshire, S63 9EU Operator Name: Sedgwick Mr F Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Issued Issued: 15th July 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 10m	A9NW (SE)	583	2	446350 403500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Licensed Waste Management Facilities (Locations) Licence Number: 60610 Location: Goldthorpe H W R C, Nicholas Lane, Goldthorpe, Barnsley, South Yorkshire, S63 9AS Operator Name: F C C Recycling (U K) Limited Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household Waste Amenity Sites Licence Status: Modified Issued: 14th June 1993 Last Modified: 24th September 2012 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NW (N)	713	2	445600 404550
43	Licensed Waste Management Facilities (Locations) Licence Number: 60556 Location: Land/premises At, Lowfield Road, Bolton On Dearne, Barnsley, South Yorkshire, S63 8JD Operator Name: Number 1 Autosalvage Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Issued Issued: 22nd November 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Manually corrected supplier location	A8SW (S)	868	2	445800 402950
44	Licensed Waste Management Facilities (Locations) Licence Number: 60544 Location: Lowfield Road, Bolton-on-dearne, Rotherham, South Yorkshire, S63 8JD Operator Name: Lowfield Road Dismantlers Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Transferred Issued: 9th June 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 10m	A8SW (S)	879	2	445750 402940
45	Licensed Waste Management Facilities (Locations) Licence Number: 60583 Location: Rear Of Greyhound Stadium, Nicholas Lane, Goldthorpe, Barnsley, South Yorkshire Operator Name: Jones Barry Operator Location: 52 Nicholas Lane, Athersley South, Barnsley, S Yorks, S71 3PR Authority: Environment Agency - North East Region, Ridings Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Issued Issued: 15th June 1989 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	A18NW (N)	886	2	445500 404700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	Licensed Waste Management Facilities (Locations) Licence Number: 60583 Location: Rear Of Greyhound Stadium, Nicholas Lane, Goldthorpe, Barnsley, South Yorkshire, S63 9AS Operator Name: Wallis James Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Modified Issued: 15th June 1989 Last Modified: 26th July 2005 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	886	2	445500 404700
46	Licensed Waste Management Facilities (Locations) Licence Number: 60612 Location: Lowfield Road, Side Of Railway Station, Bolton On Dearne, South Yorkshire Operator Name: Wright Sid Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Surrendered Issued: 9th September 1993 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 1st November 2000 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SW (S)	917	2	445820 402900
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	3	445828 403840
47	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 13 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A18SE (N)	318	3	445875 404181
48	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 5 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A14SW (SE)	461	3	446215 403521
49	Local Authority Recorded Landfill Sites Location: Lidget Lane, Thurnscoe Reference: 102 Authority: Doncaster Metropolitan Borough Council, Environmental Services Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A19NW (NE)	992	5	446347 404727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	Registered Landfill Sites Licence Holder: Barnsley M.B.C. Licence Reference: WD20 B 474 Site Location: Railway Cutting At Highfield Avenue, Goldthorpe, Rotherham, South Yorkshire Licence Easting: 445900 Licence Northing: 404200 Operator Location: Cleansing Div. Smithies La.Depot, Barnsley, South Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st May 1985 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: Demolition Waste Excavated Natural Materials \$ Horticultural/Landscape Industry Waste Prohibited Waste: Asbestos Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.	A18SE (N)	339	2	445900 404200
51	Registered Landfill Sites Licence Holder: Barnsley M.B.C. Licence Reference: WD 2 B 3 Site Location: Barnburgh Road, Goldthorpe, Rotherham, South Yorkshire Licence Easting: 446300 Licence Northing: 403400 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings 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 November 1976 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: Old Licence - Wastes Not To Hand	A9NW (SE)	606	2	446300 403400
52	Registered Waste Transfer Sites Licence Holder: B.D.R. Waste Disposal Ltd Licence Reference: WD20 B 976 MOD 3 Site Location: Nicholas Lane, Thurnscoe, Rotherham, South Yorkshire Operator Location: Thorncliffe Hall, Thorncliffe Park Estate, Chapeltown, SHEFFIELD, South Yorkshire, S35 2PQ Authority: Environment Agency - North East Region, Ridings Area Site Category: Civic Amenity Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st June 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Domestic/Commercial Waste Ferrous/Non-Ferrous Scrap Metal Glass Max.Waste Permitted By Licence Mineral Oils Motor Vehicle Batteries Paper/Cardboard Waste Textiles Prohibited Waste: Asbestos Waste N.O.S.	A18NW (N)	713	2	445600 404550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Registered Waste Treatment or Disposal Sites Licence Holder: F Sedgwick Licence Reference: WD20 B 992 MOD 1 Site Location: Marsh Tip, Barnburgh Lane, Goldthorpe, Rotherham, South Yorkshire Operator Location: 8 Stuart Street, Thurnscoe, BARNSELEY, South Yorkshire, S63 0EF Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard - with Transfer Station Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st July 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Cars/Light Comm'L Veh'S Max.Stor Ferrous Metal Scrap Max.Stor Non-Ferrous Metal Scrap Non-Haz. H'Hold/Com./Ind.W. Max.Stor Prohibited Waste: Liquid Wastes	A9NW (SE)	583	2	446350 403500
54	Registered Waste Treatment or Disposal Sites Licence Holder: Number 1 Autosalvage Licence Reference: WD20 B1127 MOD 2 Site Location: No 1 Autosalvage, Lowfield Road, Bolton Upon Dearne, Barnsley, South Yorkshire Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 22nd November 1996 Preceded By: WD20 B1003 Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Scrap Com.Vehs/Trailers/Cars Max.Stor Tyres Max.Stor Wet Cell Batteries Prohibited Waste: Liquid Wastes Waste N.O.S.	A8SW (S)	868	2	445800 402950
54	Registered Waste Treatment or Disposal Sites Licence Holder: M D B White & M.A.Dobson t/a 1 Autosalvage Licence Reference: WD20 B1003 Site Location: No 1 Autosalvage, Lowfield Road, Bolton Upon Dearne, Barnsley, South Yorkshire Operator Location: 15 Lewes Road, CONISBROUGH, South Yorkshire, DN12 2NN Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st September 1993 Preceded By: Not Given Licence: Superseded By: WD20 B1127 MOD 2 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Cars/Light Comm.Vehicles Max Stor. Wet Cell Batteries Max Stor. Prohibited Waste: Liquid Wastes Waste N.O.S.	A8SW (S)	868	2	445800 402950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	Registered Waste Treatment or Disposal Sites Licence Holder: Mr Leach t/a Leach Brothers Licence Reference: WD20 B1002 MOD 2 Site Location: Lowfield Road, Bolton Upon Dearne, Barnsley, South Yorkshire Operator Location: c/o 71 Calder Road, BOLTON UPON DEARNE, South Yorkshire, S63 8JH Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st March 1997 Preceded By: WD20 B1002 Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Cars Max.Stor Light Commercial Vehicles Max.Waste Permitted By Licence Prohibited Waste: Liquid Wastes Waste N.O.S.	A8SW (S)	879	2	445750 402940
55	Registered Waste Treatment or Disposal Sites Licence Holder: Mr Leach t/a Leach Brothers Licence Reference: WD20 B1002 Site Location: Lowfield Road, Bolton Upon Dearne, Barnsley, South Yorkshire Operator Location: c/o 71 Calder Road, BOLTON UPON DEARNE, South Yorkshire, S63 8JH Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Record supersededSuperseded Dated: 1st June 1993 Preceded By: Not Given Licence: Superseded By: WD20 B1002 MOD 2 Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Batteries Max.Stor Cars Max.Stor Light Commercial Vehicles Prohibited Waste: Liquid Wastes	A8SW (S)	879	2	445750 402940
56	Registered Waste Treatment or Disposal Sites Licence Holder: B Jones Licence Reference: WD20 B 679 MOD 2 Site Location: Rear Of Greyhound Stadium, Nicholas Lane, Dearne, Barnsley, South Yorkshire Operator Location: 52 Wingfield Road, South Athersley, BARNSLEY, South Yorkshire, S71 3PR Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Site closed (licence partially revoked)Site Closed Dated: 15th June 1989 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned within the geographical locality Boundary Quality: Not Supplied Authorised Waste: Electrical Scrap Ferrous Metal Scrap Max.Storage In Licence Max.Waste Permitted By Licence Non-Ferrous Metal Scrap	A17NE (NW)	904	2	445450 404700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	Registered Waste Treatment or Disposal Sites Licence Holder: S Wright - Wath Autospares Licence Reference: WD20 B 997 MOD 1 Site Location: Bolton Car Spares, Lowfield Road, Bolton Upon Dearne, Barnsley, South Yorkshire Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence known to be surrenderedSurrendered Dated: 1st September 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Ferrous Metal Scrap Max.Waste Permitted By Licence Non-Ferrous Metal Scrap Scrap Vehs/Cars/Light Comm'Ls Max Stor Wet Cell Batteries Max Stor. Prohibited Waste: Liquid Wastes Waste N.O.S.	A8SW (S)	917	2	445820 402900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Middle Coal Measures Formation And South Wales Middle Coal Measures Formation (Undifferentiated)	A13SW (NE)	0	4	445828 403840
	BGS Estimated Soil Chemistry 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:	A13SW (NE)	0	4	445828 403840
	BGS Estimated Soil Chemistry 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:	A13NW (N)	135	4	445794 404000
	BGS Estimated Soil Chemistry 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:	A13NW (N)	135	4	445828 404000
	BGS Estimated Soil Chemistry 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:	A13NW (N)	136	4	445817 404001
	BGS Estimated Soil Chemistry 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:	A13NW (N)	137	4	445773 404000
	BGS Estimated Soil Chemistry 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:	A13SE (E)	140	4	446000 403840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry 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:	A13NE (NE)	197	4	446000 404000
	BGS Estimated Soil Chemistry 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:	A13SE (S)	216	4	445868 403601
	BGS Estimated Soil Chemistry 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:	A13NE (NE)	243	4	446000 404061
	BGS Estimated Soil Chemistry 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:	A13NE (N)	247	4	445890 404108
	BGS Estimated Soil Chemistry 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:	A13SE (SE)	315	4	446000 403535
	BGS Estimated Soil Chemistry 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:	A18SE (N)	343	4	445919 404201

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry 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:	A18SE (NE)	347	4	446000 404180
	BGS Estimated Soil Chemistry 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:	A8NE (SE)	370	4	446000 403475
	BGS Estimated Soil Chemistry 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:	A12SE (SW)	427	4	445440 403582
	BGS Estimated Soil Chemistry 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:	A18SE (NE)	433	4	446032 404260
	BGS Estimated Soil Chemistry 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:	A18SE (N)	440	4	446000 404280
	BGS Estimated Soil Chemistry 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:	A18SE (NE)	492	4	446070 404307

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry 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:	A8NW (SW)	521	4	445503 403386
	BGS Estimated Soil Chemistry 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:	A12SE (SW)	573	4	445311 403511
	BGS Estimated Soil Chemistry 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:	A18SE (N)	573	4	446000 404418
	BGS Estimated Soil Chemistry 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:	A8NW (S)	590	4	445794 403228
	BGS Estimated Soil Chemistry 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:	A18SE (N)	668	4	446000 404516
	BGS Estimated Soil Chemistry 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 (S)	692	4	445761 403126

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry 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:	A17SE (NW)	700	4	445335 404391
	BGS Estimated Soil Chemistry 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 (W)	796	4	445000 403840
	BGS Estimated Soil Chemistry 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:	A12NW (W)	808	4	445000 404000
	BGS Estimated Soil Chemistry 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:	A12SW (W)	813	4	445000 403652
	BGS Estimated Soil Chemistry 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 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	816	4	445000 404044
	BGS Estimated Soil Chemistry 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 (S)	817	4	445828 403000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry 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:	A8SE (S)	817	4	445837 403000
	BGS Estimated Soil Chemistry 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:	A8SE (S)	818	4	445898 403000
	BGS Estimated Soil Chemistry 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 (W)	819	4	445000 403625
	BGS Estimated Soil Chemistry 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 (W)	828	4	445000 403587
	BGS Estimated Soil Chemistry 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:	A8SE (S)	829	4	446000 403000
	BGS Estimated Soil Chemistry 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:	A9NW (SE)	849	4	446458 403214

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry 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:	A18NW (N)	874	4	445594 404715
	BGS Estimated Soil Chemistry 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:	A9NE (SE)	893	4	446650 403400
	BGS Estimated Soil Chemistry 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:	A9SW (SE)	898	4	446233 403000
	BGS Estimated Soil Chemistry 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:	A8SE (S)	921	4	446000 402907
	BGS Estimated Soil Chemistry 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:	A17SW (NW)	930	4	445000 404345
	BGS Estimated Soil Chemistry 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:	A18NE (N)	944	4	446000 404796

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry 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:	A18NW (N)	946	4	445791 404810
	BGS Estimated Soil Chemistry 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:	A8SE (S)	969	4	446000 402859
	BGS Estimated Soil Chemistry 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:	A14SE (E)	971	4	446794 403552
	BGS Estimated Soil Chemistry 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:	A8SE (S)	992	4	446064 402846
58	BGS Recorded Mineral Sites Site Name: Furlong Road Brickworks Location: Furlong Road, Goldthorpe, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13103 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NE (S)	375	4	445910 403445
59	BGS Recorded Mineral Sites Site Name: Gas Works Clay Pit Location: , Bolton-Upon-Dearne, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 108122 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Alluvium Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SE (S)	751	4	445830 403066

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	BGS Recorded Mineral Sites Site Name: Highgate Colliery, No. 2 Shaft Location: , Goldthorpe, Doncaster, Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 174782 Type: Underground Status: Ceased Operator: British Coal - N Yorkshire Area Operator Location: British Coal - N Yorkshire Area, Po Box 13, Allerton Bywater, Castleford, West Yorkshire, Wf10 2al Periodic Type: Carboniferous Geology: Shafton Coal (West And South Yorkshire And Derbyshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NE (N)	907	4	445885 404770
60	BGS Recorded Mineral Sites Site Name: Highgate Colliery Location: , Goldthorpe, Doncaster, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 1459 Type: Underground Status: Ceased Operator: British Coal - N Yorkshire Area Operator Location: British Coal - N Yorkshire Area, Po Box 13, Allerton Bywater, Castleford, West Yorkshire, Wf10 2al Periodic Type: Carboniferous Geology: Shafton Coal (West And South Yorkshire And Derbyshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NE (N)	937	4	445875 404800
61	BGS Recorded Mineral Sites Site Name: Goldthorpe Brick Works Location: , Goldthorpe, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13102 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NW (W)	991	4	444820 404035
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (NE)	0	6	445828 403840
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (NE)	0	-	445828 403840
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	445828 403840
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	445828 403840
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	205	4	445830 403612
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	445828 403840
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	445828 403840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	445828 403840
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	205	4	445830 403612
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	445828 403840
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	121	4	445850 403986
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	219	4	445934 404069
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	4	445828 403840
	Radon Potential - Radon Affected Areas 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	A13SW (NE)	0	4	445828 403840

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	Contemporary Trade Directory Entries Name: F K Naylor Location: The Blacksmiths Shop, Goldthorpe Green, Goldthorpe, Rotherham, South Yorkshire, S63 9EL Classification: Blacksmiths & Forgemasters Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SE (S)	156	-	445888 403664
63	Contemporary Trade Directory Entries Name: Crystal Blinds Location: 25, Cranwell Court, Goldthorpe, Rotherham, South Yorkshire, S63 9GA Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	309	-	445490 403904
64	Contemporary Trade Directory Entries Name: Ian'S Car Sales Location: Highgate Lane, Goldthorpe, Rotherham, South Yorkshire, S63 9BJ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	377	-	445507 404107
65	Contemporary Trade Directory Entries Name: G E Gray & Son Location: High Street Garage, High Street, Goldthorpe, Rotherham, South Yorkshire, S63 9DA Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	384	-	446235 403939
66	Contemporary Trade Directory Entries Name: Dearne Valley Motors Location: High St, Goldthorpe, Rotherham, South Yorkshire, S63 9DG Classification: Car Dealers Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	419	-	446216 404082
67	Contemporary Trade Directory Entries Name: Accident Repair Centre Location: 202, Furlong Road, Goldthorpe, Rotherham, South Yorkshire, S63 9PR Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	433	-	445778 403385
68	Contemporary Trade Directory Entries Name: Scotts Classic Car Parts Location: 114, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AW Classification: Classic Car Specialists Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	439	-	445763 404302
69	Contemporary Trade Directory Entries Name: House Fairies Location: 11, Westmoor Close, Goldthorpe, Rotherham, South Yorkshire, S63 9GE Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	446	-	445423 404109
70	Contemporary Trade Directory Entries Name: Texaco Location: 106, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AE Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	461	-	445887 404323
70	Contemporary Trade Directory Entries Name: Dearnside Motor Co Ltd Location: 106, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AE Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	461	-	445887 404323
70	Contemporary Trade Directory Entries Name: South Yorkshire Car Centre Location: 98, Barnsley Road, Goldthorpe, Rotherham, S63 9AA Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	464	-	445908 404324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	Contemporary Trade Directory Entries Name: Geejay Motors Location: 98, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AA Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	464	-	445908 404324
70	Contemporary Trade Directory Entries Name: H & A Motors Location: Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	474	-	445893 404336
70	Contemporary Trade Directory Entries Name: Gee Jay Motors Location: Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AA Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	474	-	445893 404336
71	Contemporary Trade Directory Entries Name: Total Location: Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AP Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	474	-	445597 404295
71	Contemporary Trade Directory Entries Name: Monkhill Service Station Location: 136, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AW Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (NW)	474	-	445597 404295
72	Contemporary Trade Directory Entries Name: Woodland Logistics Location: Unit 1, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	493	-	445303 403804
73	Contemporary Trade Directory Entries Name: Clean'N'Mend Location: 47, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LT Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	497	-	446066 404315
73	Contemporary Trade Directory Entries Name: Ironing Team Location: 47, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LT Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	497	-	446066 404315
74	Contemporary Trade Directory Entries Name: Dearne Fabrications Location: 2, Gosling Gate Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LU Classification: Tungsten Tool Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (NE)	535	-	446045 404364
75	Contemporary Trade Directory Entries Name: Vanquish Location: 185, Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AU Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	542	-	445353 404176
75	Contemporary Trade Directory Entries Name: Mobility Assured Location: 185, Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AU Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	542	-	445353 404176

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	Contemporary Trade Directory Entries Name: Vanquish Location: 185, Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AU Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	542	-	445353 404176
75	Contemporary Trade Directory Entries Name: Vanquish Location: 185, Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AU Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	542	-	445353 404176
76	Contemporary Trade Directory Entries Name: Dearnside Sun Blinds Location: 20-22, High Street, Goldthorpe, Rotherham, South Yorkshire, S63 9LR Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	545	-	446182 404301
77	Contemporary Trade Directory Entries Name: Claremont Garments Location: Goldthorpe Indust Est, Commercial Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	548	-	445248 403866
78	Contemporary Trade Directory Entries Name: Smart Blinds Location: 9, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LS Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	562	-	446150 404343
79	Contemporary Trade Directory Entries Name: Frontier Foods Location: Unit 2, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	578	-	445217 403818
79	Contemporary Trade Directory Entries Name: Helesi Location: Unit 2, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	578	-	445217 403818
79	Contemporary Trade Directory Entries Name: Emerald Pallets Location: Unit 9c, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, ROTHERHAM, South Yorkshire, S63 9BL Classification: Pallets, Crates & Packing Cases Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	601	-	445195 403831
79	Contemporary Trade Directory Entries Name: Home Choose Blinds Location: Unit 11a, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	605	-	445191 403801
79	Contemporary Trade Directory Entries Name: Home Choose Blinds Location: Unit 11A, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	605	-	445191 403801

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	Contemporary Trade Directory Entries Name: Darfield Motor Controls Ltd Location: Unit 11c, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Control Panels Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	607	-	445190 403783
80	Contemporary Trade Directory Entries Name: Building Product Solutions Location: Unit 13, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	611	-	445195 403703
81	Contemporary Trade Directory Entries Name: True Food International Location: Fieldsend Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9EU Classification: Refrigeration Equipment - Commercial Status: Active Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	612	-	446259 404326
82	Contemporary Trade Directory Entries Name: K T Fabrications Location: 39, Kelly Street, Goldthorpe, Rotherham, South Yorkshire, S63 9NB Classification: Gate Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	628	-	446063 404457
82	Contemporary Trade Directory Entries Name: King Street Garage Location: King Street, Goldthorpe, Rotherham, South Yorkshire, S63 9LY Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	671	-	446087 404494
83	Contemporary Trade Directory Entries Name: Interlock Ltd Location: Unit 10E, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Adhesive & Sealant Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	643	-	445153 403850
83	Contemporary Trade Directory Entries Name: Pyxis Animal Health Location: Unit 10a, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Veterinary Pharmacies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	643	-	445152 403818
83	Contemporary Trade Directory Entries Name: Mike Satur Ltd Location: Unit 3d-3e, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	690	-	445106 403836
83	Contemporary Trade Directory Entries Name: Howcroft Industrial Supplies Location: Unit 3f, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Engineers - General Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	690	-	445106 403854
84	Contemporary Trade Directory Entries Name: B H Motors Location: Gosling Gate Road, Goldthorpe, Rotherham, South Yorkshire, S63 9LU Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	664	-	446013 404509
85	Contemporary Trade Directory Entries Name: Wilson Location: Unit 3C, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Refrigerators & Freezers - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	693	-	445103 403806

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	Contemporary Trade Directory Entries Name: Morebrooke Ltd Location: Unit 2, Goldthorpe Ind Est, Commercial Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	733	-	445063 403830
86	Contemporary Trade Directory Entries Name: Speed P V C Ltd Location: Unit 13, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	694	-	445131 403619
87	Contemporary Trade Directory Entries Name: Tint Mania Location: Unit 11e, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Window Tinting Status: Active Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	697	-	445112 403682
87	Contemporary Trade Directory Entries Name: P J O Industrial Ltd Location: Unit 5, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	697	-	445112 403682
87	Contemporary Trade Directory Entries Name: Inditherm Location: Unit 5, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Insulation Materials Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	697	-	445112 403682
87	Contemporary Trade Directory Entries Name: Workshop Recycling Location: Goldthorpe Ind Est, Commercial Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	697	-	445112 403682
88	Contemporary Trade Directory Entries Name: Tony Casagrande Location: 10a, Market Street, Goldthorpe, Rotherham, South Yorkshire, S63 9HA Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	703	-	446340 404376
89	Contemporary Trade Directory Entries Name: P & J Motor Services Location: 13, Elizabeth Street, Goldthorpe, Rotherham, South Yorkshire, S63 9NA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	704	-	446244 404452
90	Contemporary Trade Directory Entries Name: Elite Restorations Location: 28, Cherry Grove, Goldthorpe, Rotherham, South Yorkshire, S63 9LE Classification: Leather Goods - Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	752	-	445312 404441
90	Contemporary Trade Directory Entries Name: North East Truck & Van Ltd Location: 21, Cherry Grove, Goldthorpe, Rotherham, South Yorkshire, S63 9LE Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	763	-	445290 404435
91	Contemporary Trade Directory Entries Name: Tsunami Initiative Ltd Location: Unit 8, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Screen Process Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	757	-	445045 403721

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	Contemporary Trade Directory Entries Name: Nettlefolds Location: Unit 15, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Nuts, Bolts & Fixings Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (SW)	764	-	445092 403518
93	Contemporary Trade Directory Entries Name: Promar International Location: Unit 20, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Laboratories Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	790	-	445092 403458
93	Contemporary Trade Directory Entries Name: Hatfields Windows Location: Cambertown House, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Window Frame Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	819	-	445084 403412
94	Contemporary Trade Directory Entries Name: Admech Engineering Co Ltd Location: Unit 2, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SW (W)	791	-	445052 403548
94	Contemporary Trade Directory Entries Name: V C Electronics Ltd Location: Unit 14, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Electronic Equipment - Manufacturers & Assemblers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SW (W)	791	-	445052 403548
94	Contemporary Trade Directory Entries Name: Resitex Coatings Location: Unit 3F, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Paint Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SW (W)	791	-	445052 403548
94	Contemporary Trade Directory Entries Name: W G F (Uk) Ltd Location: Unit 30, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SW (W)	791	-	445052 403548
94	Contemporary Trade Directory Entries Name: Samantha Products Location: Unit 11F, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SW (W)	791	-	445052 403548
94	Contemporary Trade Directory Entries Name: Duve Components (Uk) Ltd Location: Unit 28, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Car Component Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SW (W)	791	-	445052 403548
95	Contemporary Trade Directory Entries Name: Wallis Metals Location: Nicholas Lane, Goldthorpe, Rotherham, South Yorkshire, S63 9AT Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	802	-	445546 404627

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	Contemporary Trade Directory Entries Name: Tansley Haulage Location: 21, Victoria Street, Goldthorpe, Rotherham, South Yorkshire, S63 9HS Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	808	-	446488 404371
96	Contemporary Trade Directory Entries Name: Arla Foods Location: Beever St, Goldthorpe, Rotherham, South Yorkshire, S63 9HT Classification: Dairies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	850	-	446524 404392
96	Contemporary Trade Directory Entries Name: Performance Engineering Services Location: Beever St, Goldthorpe, Rotherham, South Yorkshire, S63 9HT Classification: Motor Cycle & Component Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	858	-	446547 404375
97	Contemporary Trade Directory Entries Name: Pressure Design Hydraulics Ltd Location: Unit 26, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	822	-	444979 403724
97	Contemporary Trade Directory Entries Name: Beta Engineering Services Ltd Location: Unit 3A, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	848	-	444955 403710
98	Contemporary Trade Directory Entries Name: David Middleton Location: Beever St, Goldthorpe, Rotherham, South Yorkshire, S63 9HT Classification: Do It Yourself Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	825	-	446581 404262
99	Contemporary Trade Directory Entries Name: Yorkshire Crystal Location: 6, West Street, Goldthorpe, Rotherham, South Yorkshire, S63 9JU Classification: Glass Engravers & Decorators Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	833	-	446368 404522
100	Contemporary Trade Directory Entries Name: Laundarama Location: 71, Doncaster Road, Goldthorpe, Rotherham, South Yorkshire, S63 9HJ Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	835	-	446444 404458
101	Contemporary Trade Directory Entries Name: Kostal (Uk) Ltd Location: Unit 16, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	839	-	445014 403511
102	Contemporary Trade Directory Entries Name: Workshop Recycling Location: Unit 23b, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Reclaiming - Waste Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	851	-	445073 403367
102	Contemporary Trade Directory Entries Name: Workshop Recycling Location: Unit 23b, Goldthorpe Industrial Estate, Commercial Road, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Recycling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	851	-	445073 403367

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	Contemporary Trade Directory Entries Name: Lenzkes Clamping Tools (Gb) Ltd Location: Unit 22 Goldthorpe Indust Est, Commercial Rd, Goldthorpe, Rotherham, South Yorkshire, S63 9BL Classification: Tool Design, Manufacturers & Makers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	870	-	445041 403384
103	Contemporary Trade Directory Entries Name: Solarframe Ltd Location: Fields End Business Park, Thurnscoe, Rotherham, South Yorkshire, S63 0JF Classification: Window Frame Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	856	-	445875 404719
104	Contemporary Trade Directory Entries Name: Nissan Mobile Location: 52, Doncaster Road, Goldthorpe, Rotherham, South Yorkshire, S63 9HU Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	874	-	446512 404444
105	Contemporary Trade Directory Entries Name: Motor Spares Uk Location: Lowfield Road, Bolton-upon-Deane, Rotherham, South Yorkshire, S63 8JD Classification: Car Breakers & Dismantlers Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	886	-	445771 402932
106	Contemporary Trade Directory Entries Name: South Yorkshire Foiling Location: 5, Fields End Business Park, Thurnscoe, Rotherham, South Yorkshire, S63 0JF Classification: Lamination & Encapsulation Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	969	-	445927 404830
107	Contemporary Trade Directory Entries Name: Tonge & Associates Location: 4, Chapel Street, Bolton-upon-Deane, Rotherham, South Yorkshire, S63 8HY Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	990	-	445499 402873
108	Fuel Station Entries Name: Dearnside Motor Company Location: 106, Barnsley Road, Goldthorpe, Rotherham, South Yorkshire, S63 9AE Brand: Texaco Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A18SE (N)	461	-	445887 404323
109	Fuel Station Entries Name: Monkshill Service Station Location: Barnsley Road Highgate, Goldthorpe, Rotherham, South Yorkshire, S63 9AP Brand: Bp Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	474	-	445597 404295

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	Areas of Adopted Green Belt Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Barnsley Unitary Development Plan Status: Adopted Plan Date: 31st December 2000	A14SW (SE)	462	7	446216 403522
111	Areas of Adopted Green Belt Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Barnsley Unitary Development Plan Status: Adopted Plan Date: 31st December 2000	A18NW (N)	745	7	445531 404561
112	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SW (NE)	0	10	445828 403840

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Doncaster Metropolitan Borough Council - Environmental Services Rotherham Metropolitan Borough Council - Environmental Health Department Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	April 2014 April 2014 July 2013 March 2015	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	April 2015	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - North East Region	April 2015	Quarterly
Local Authority Integrated Pollution Prevention And Control Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health Rotherham Metropolitan Borough Council - Planning Department	April 2014 June 2014 June 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health Rotherham Metropolitan Borough Council - Planning Department	April 2014 June 2014 June 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health Rotherham Metropolitan Borough Council - Planning Department	April 2014 June 2014 June 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North East Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	March 2013	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2015 April 2015	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	April 2015	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	April 2015	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable

Agency & Hydrological	Version	Update Cycle
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	January 2015	As notified
Source Protection Zones Environment Agency - Head Office	April 2015	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2015	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2015	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2015	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2015	Quarterly
Flood Defences Environment Agency - Head Office	May 2015	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	May 2015 May 2015	Quarterly Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	August 2014 August 2014	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2015 April 2015	Quarterly Quarterly
Local Authority Landfill Coverage Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Rotherham Metropolitan Borough Council - Environmental Health Department Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Rotherham Metropolitan Borough Council - Environmental Health Department Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	June 2015	Bi-Annually
Explosive Sites Health and Safety Executive	June 2015	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Doncaster Metropolitan Borough Council Rotherham Metropolitan Borough Council Barnsley Metropolitan Borough Council - Planning Department Wakefield City Metropolitan District Council	August 2015 March 2015 October 2013 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Doncaster Metropolitan Borough Council Rotherham Metropolitan Borough Council Barnsley Metropolitan Borough Council - Planning Department Wakefield City Metropolitan District Council	December 2014 March 2015 October 2013 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2015	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	July 2014	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	May 2015	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2015	Quarterly

Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council Rotherham Metropolitan Borough Council Wakefield City Metropolitan District Council	May 2015 May 2015 May 2015 May 2015	As notified As notified As notified As notified
Areas of Unadopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council Rotherham Metropolitan Borough Council Wakefield City Metropolitan District Council	May 2015 May 2015 May 2015 May 2015	As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	February 2015	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2014	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2015	Bi-Annually
Marine Nature Reserves Natural England	July 2013	Bi-Annually
National Nature Reserves Natural England	March 2015	Bi-Annually
National Parks Natural England	August 2015	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	July 2014	Annually
Ramsar Sites Natural England	March 2014	Bi-Annually
Sites of Special Scientific Interest Natural England	April 2015	Bi-Annually
Special Areas of Conservation Natural England	March 2014	Bi-Annually
Special Protection Areas Natural England	April 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	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
3	Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
4	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
5	Doncaster Metropolitan Borough Council - Environmental Services Floor 3, Council House, College Road, Doncaster, South Yorkshire, DN1 1RN	Telephone: 01302 734444 Fax: 01302 734949 Website: www.doncaster.gov.uk
6	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
7	Barnsley Metropolitan Borough Council - Planning Department Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
8	Doncaster Metropolitan Borough Council Danum House, St Sepulchre Gate, Doncaster, South Yorkshire, DN1 1UB	Telephone: 01302 734854 Fax: 01302 734949 Website: www.doncaster.gov.uk
9	Rotherham Metropolitan Borough Council Bailey House, Rawmarsh Road, Rotherham, South Yorkshire, S60 1QT	Telephone: 01709 382121 Fax: 01709 823810 Website: www.rotherham.gov.uk
10	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
11	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

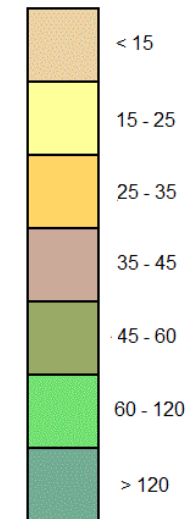


General

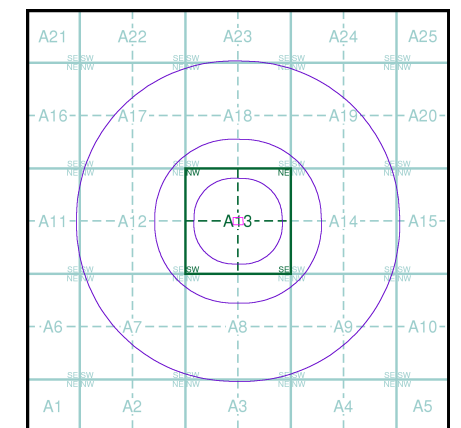
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Site at 445810, 403850



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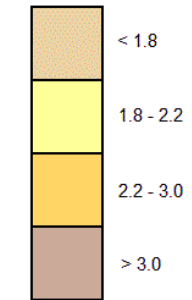


General

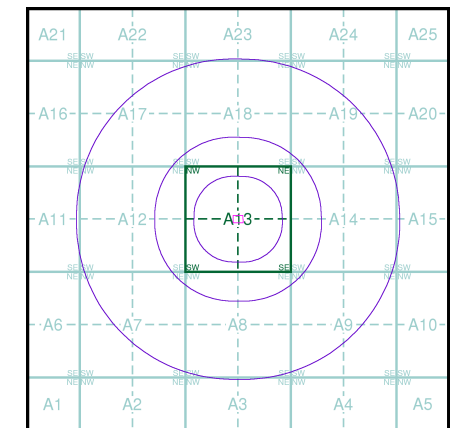
Specified Site Specified Buffer(s) Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Site at 445810, 403850



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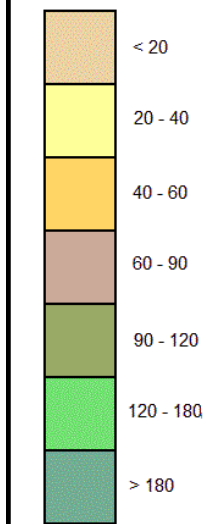


General

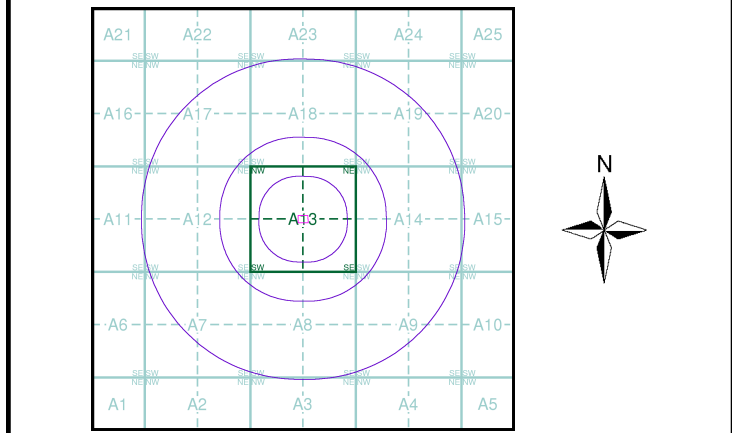
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A



Order Details

Order Details: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Site at 445810, 403850



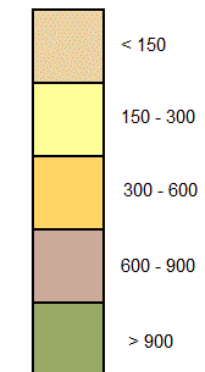
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

General

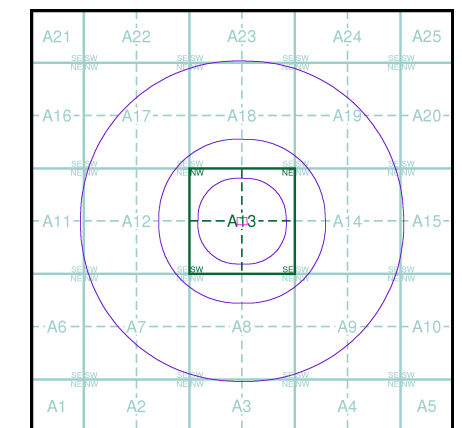
 Specified Site  Specified Buffer(s)  Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Site at 445810, 403850



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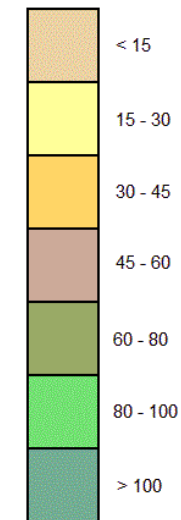


General

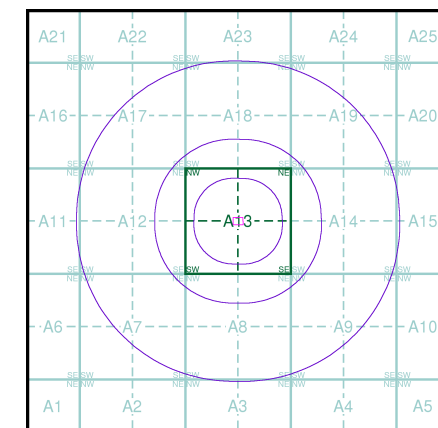
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

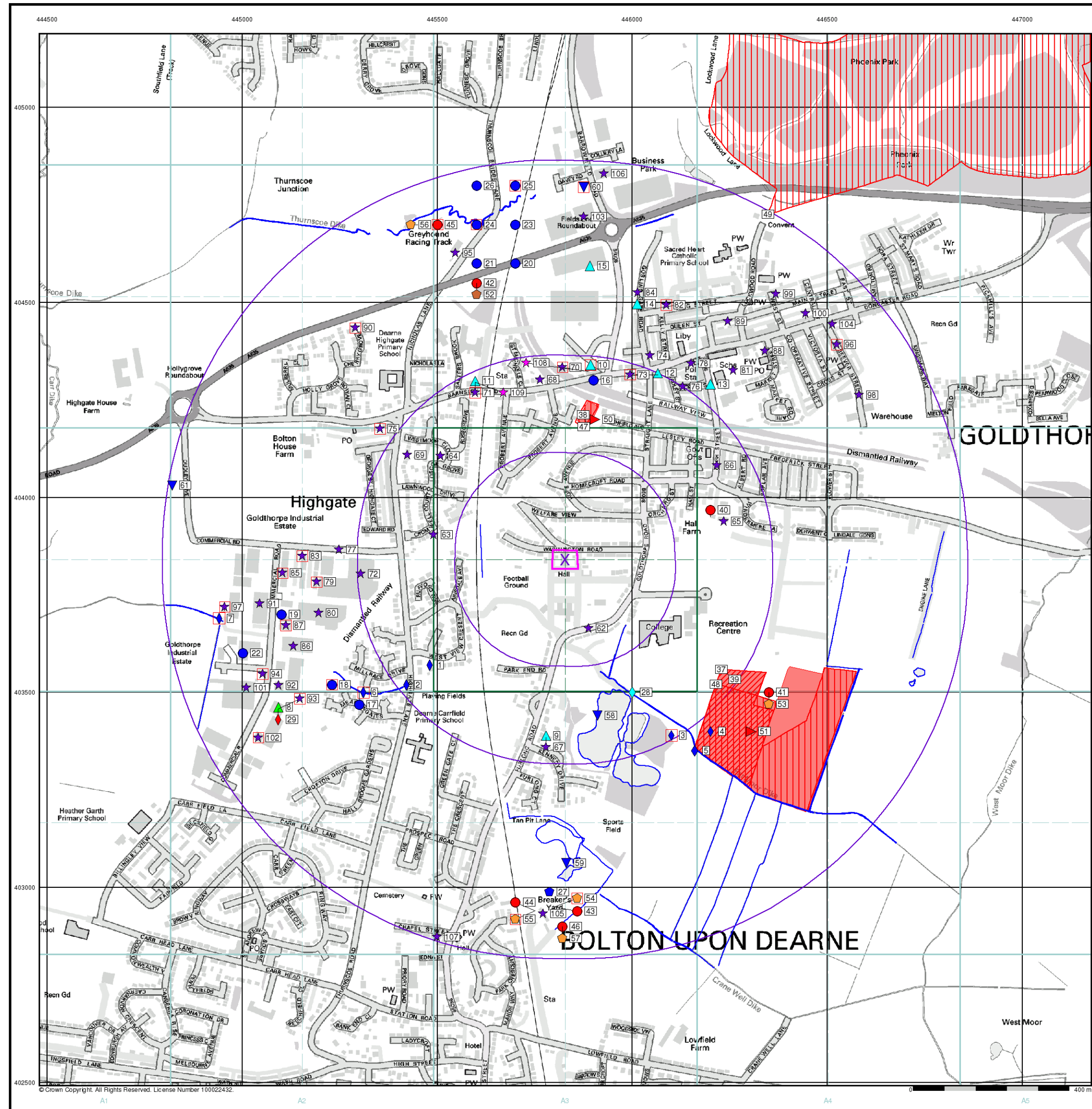
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Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

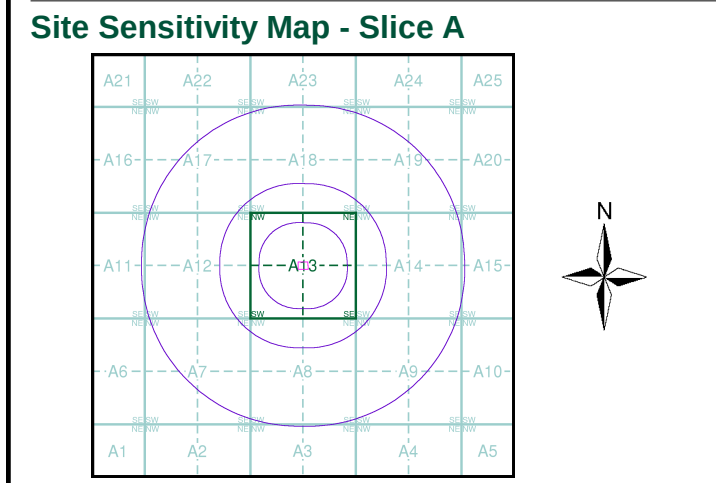
Site at 445810, 403850



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



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



Order Details

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Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Site at 445810, 403850

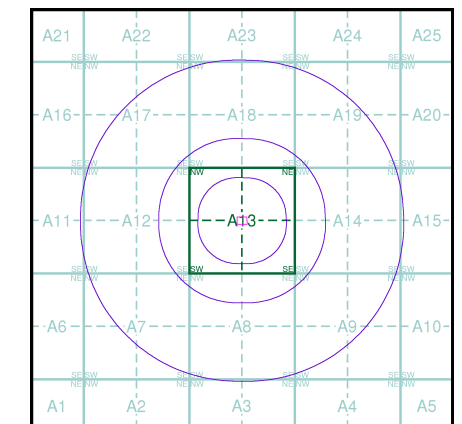
General

- 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

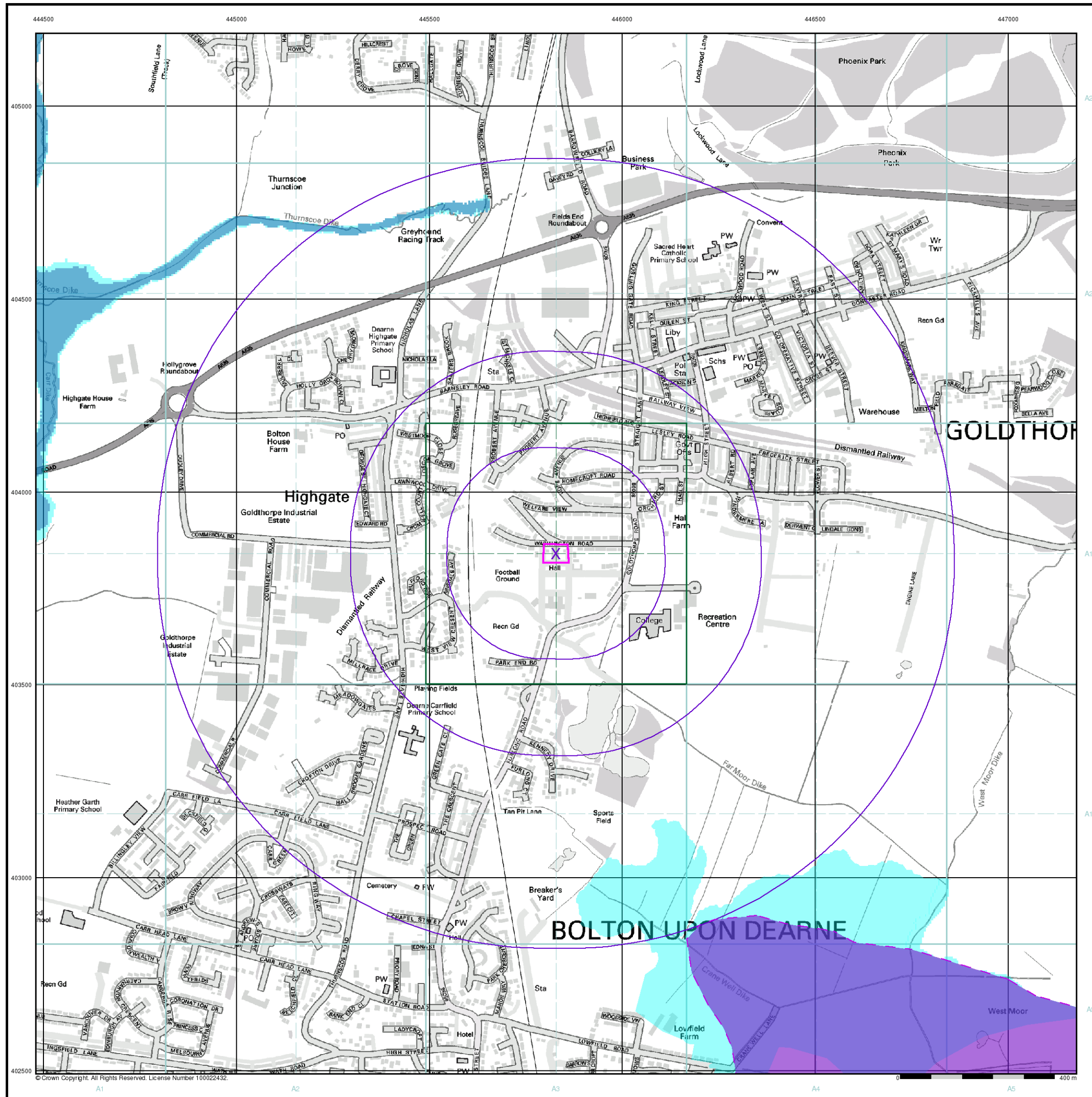


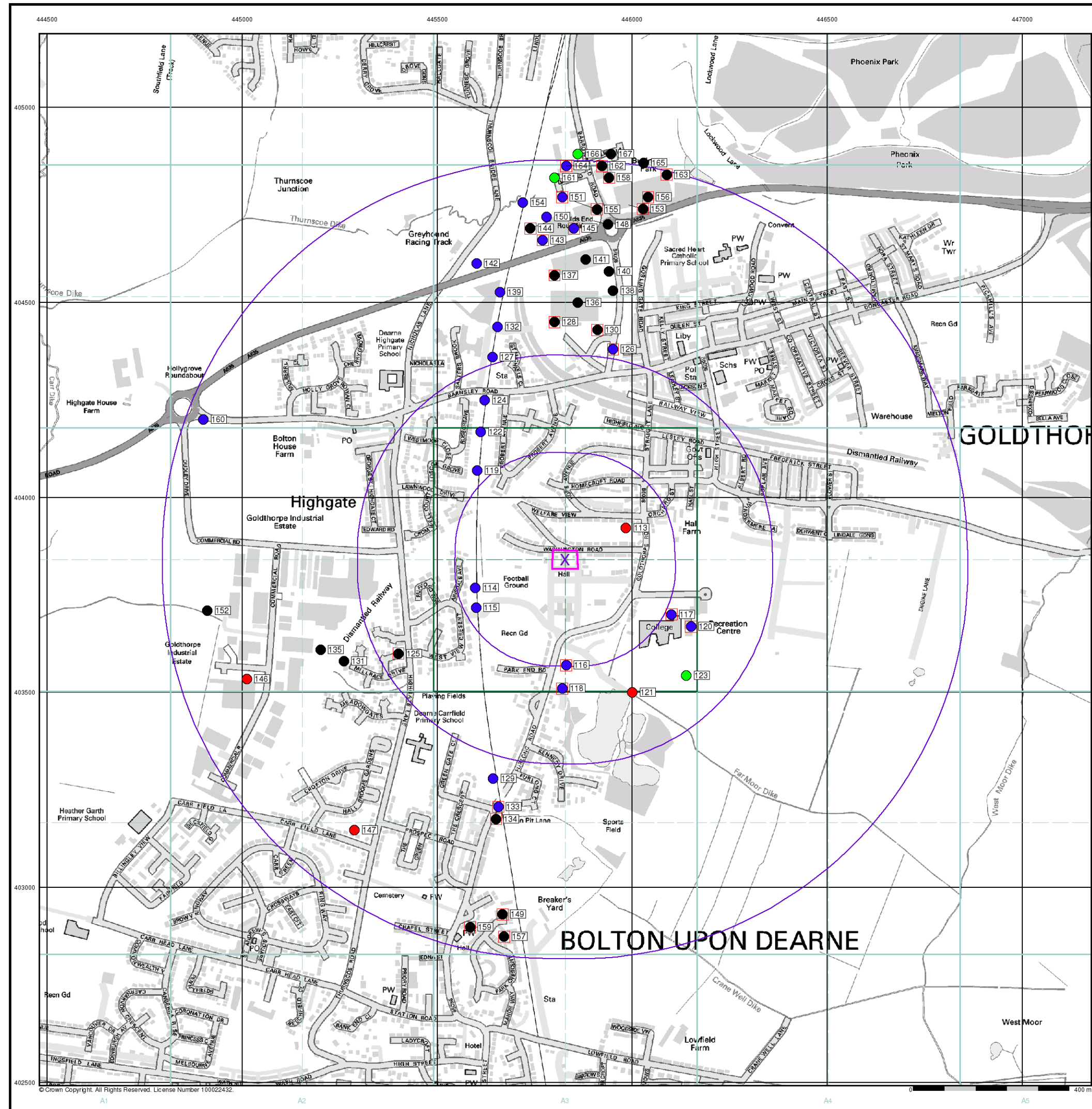
Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Site at 445810, 403850





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General

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

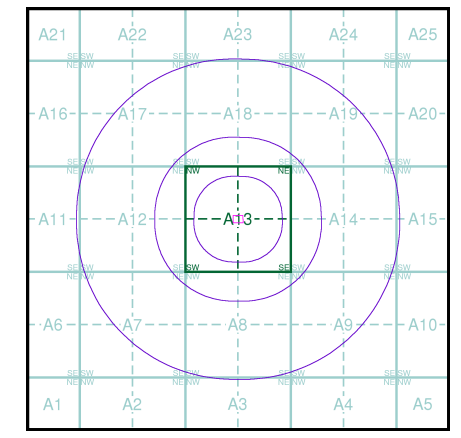
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Site at 445810, 403850



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Web: www.envirocheck.co.uk

General

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

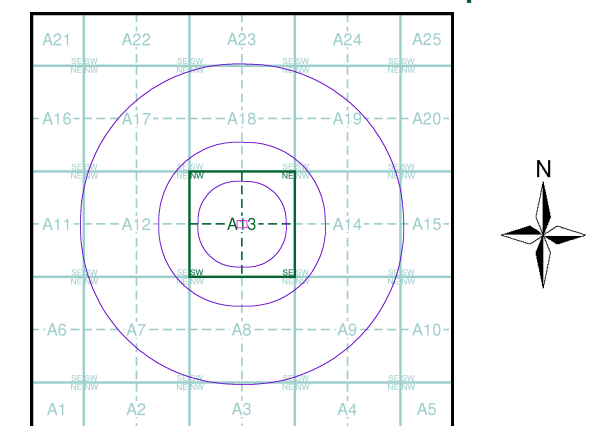
Detailed River Network Data

- | | |
|--|---|
|  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 | |

Contours (height in metres)

- Standard Contour  105  MLW Mean Low Water
- Master Contour  100  MHW Mean High Water
- Spot Height  167.3

EAN/RW Detailed River Network Map - Slice A

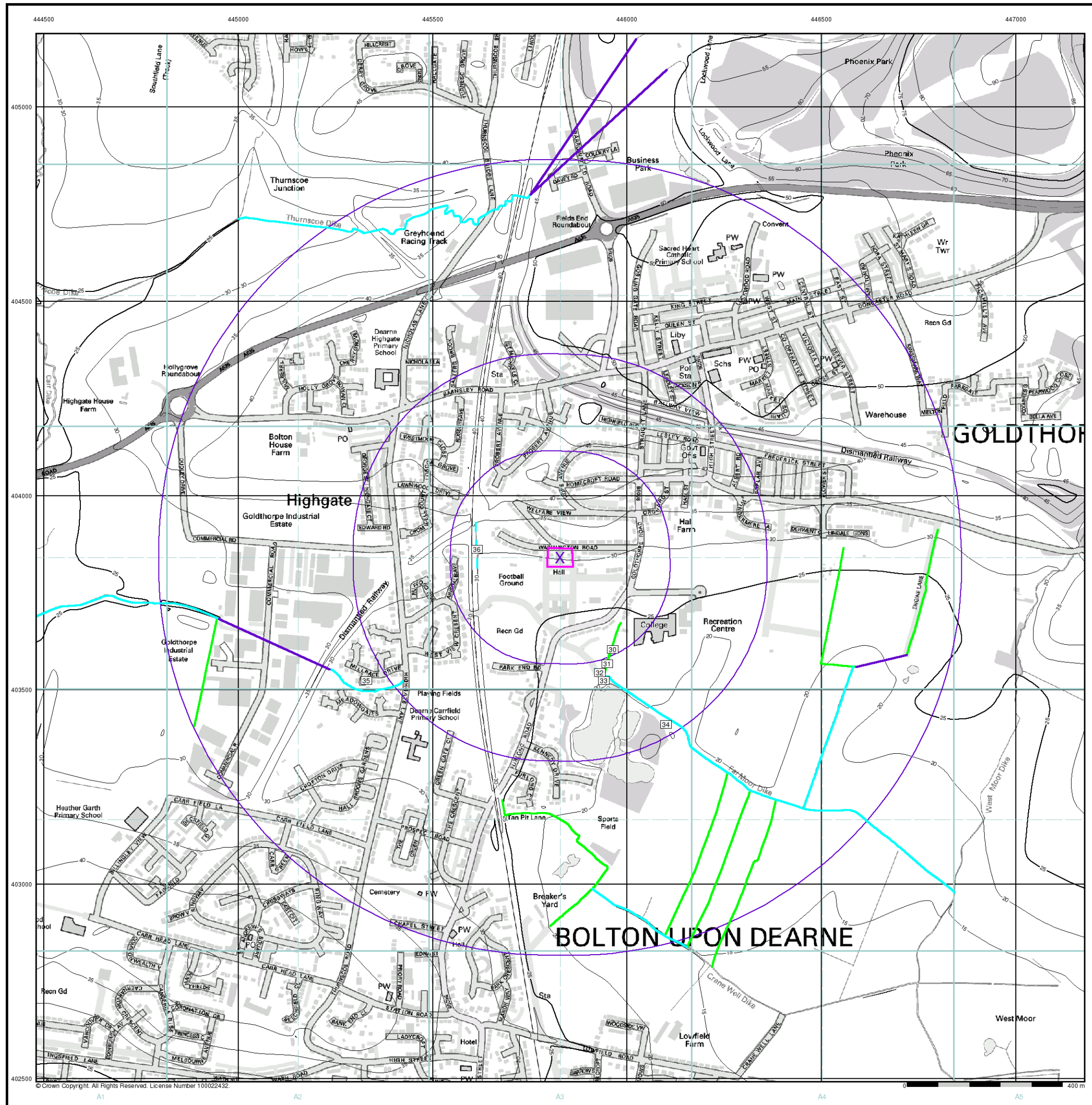


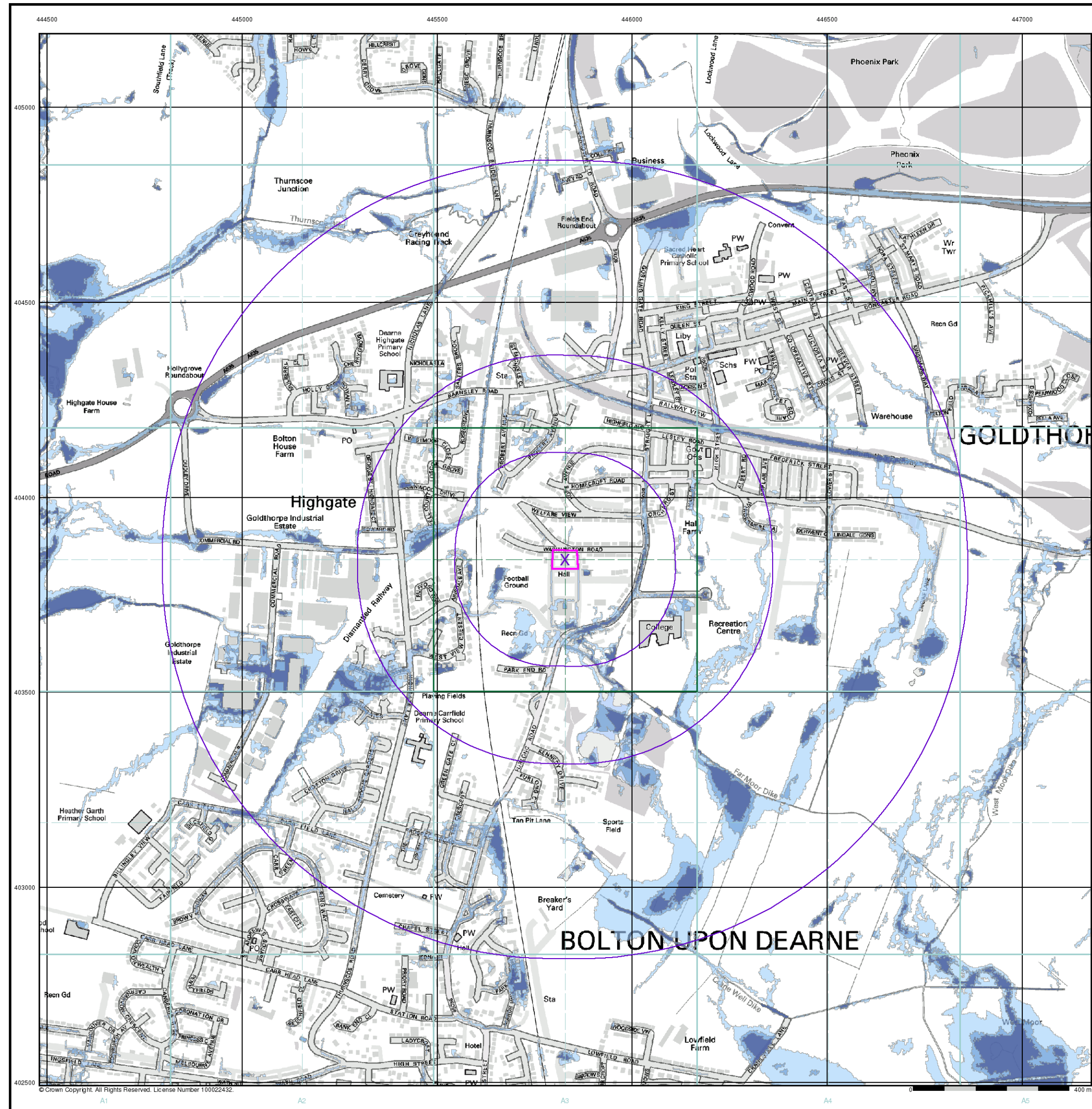
Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Site at 445810, 403850





General

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

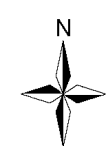
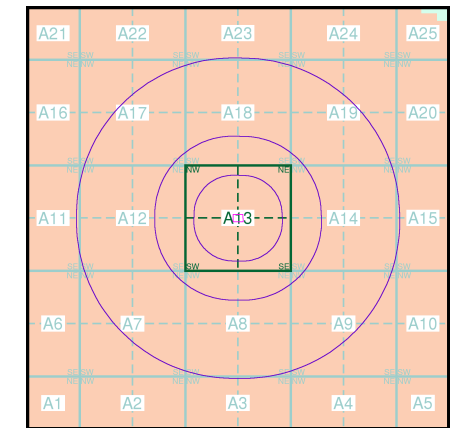
Risk of Flooding from Surface Water

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

Suitability

- See the suitability map below
- National to county
 - County to town
 - Town to street
 - Street to parcels of land
 - Property

EAN/RW Suitability Map - Slice A



Order Details

Order Number: 71025784_1_1
Customer Ref: 38885
National Grid Reference: 445830, 403840
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

Site at 445810, 403850

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

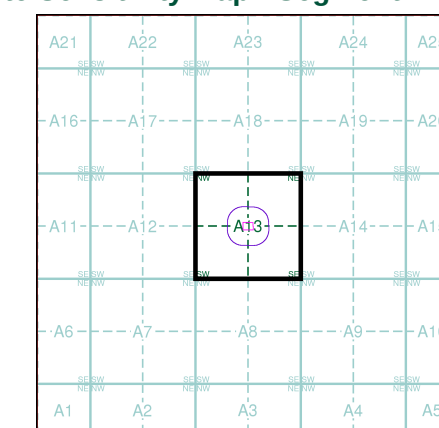
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Segment A13

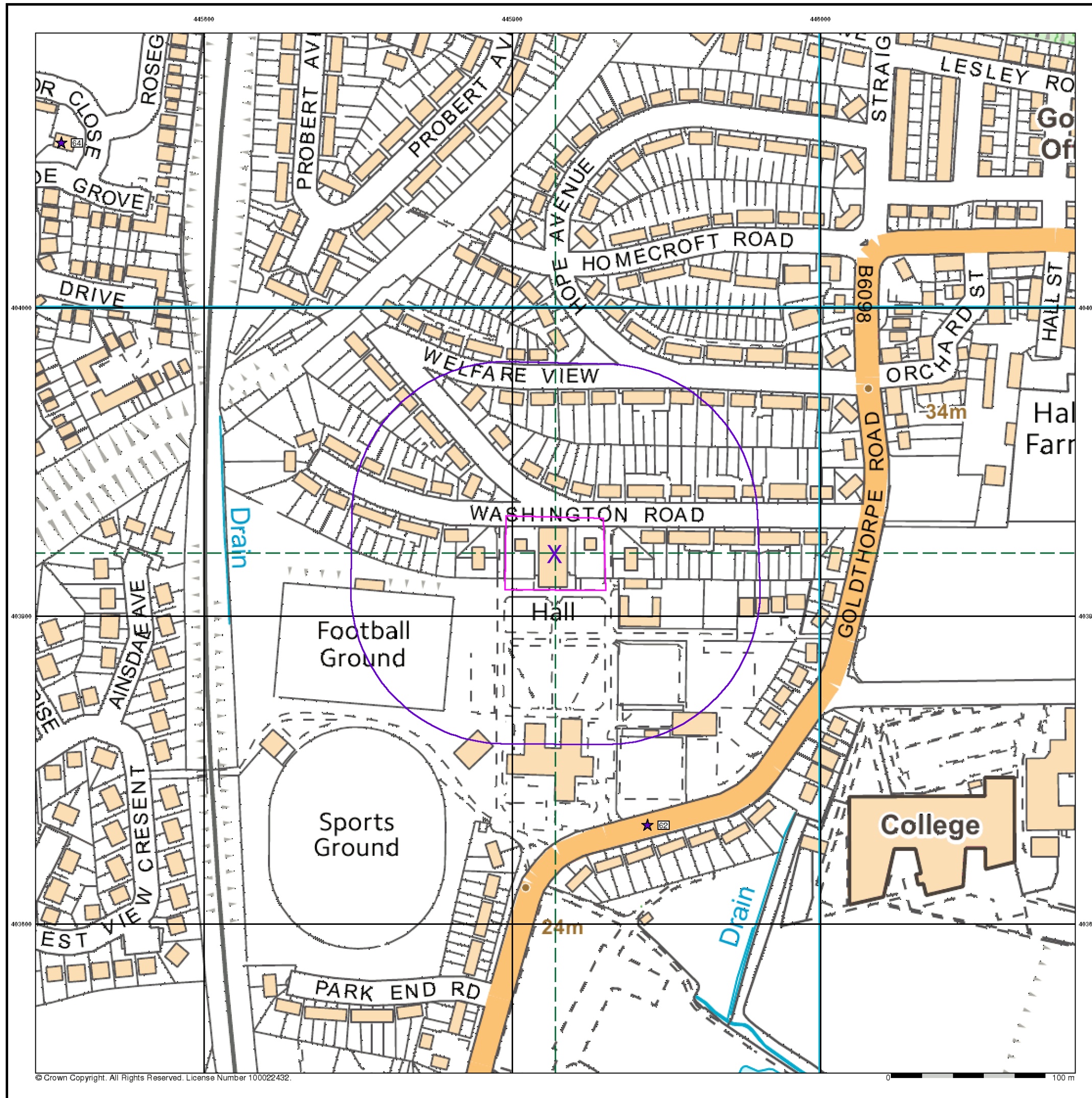


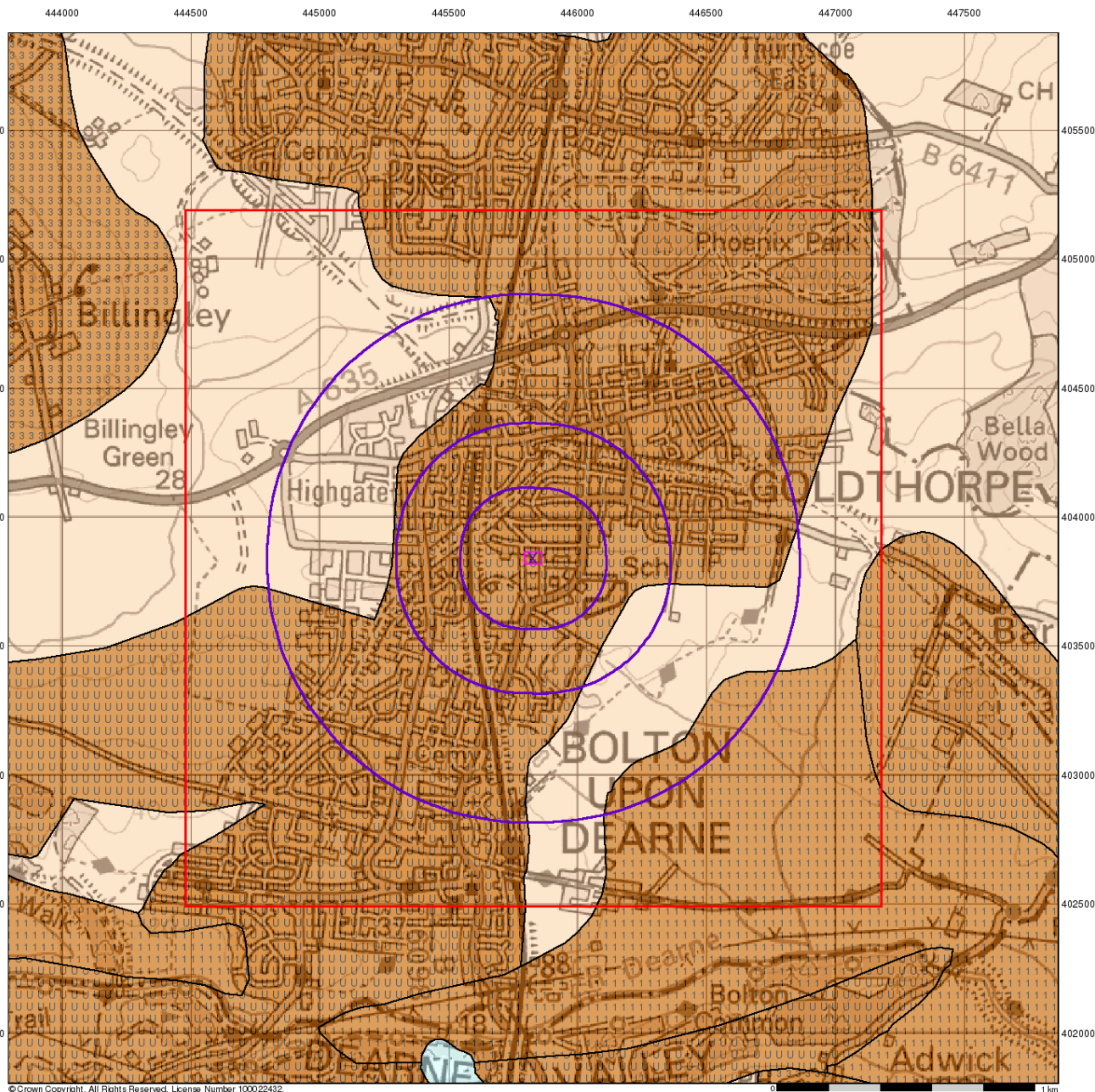
Order Details

Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31

Site Details

Site at 445810, 403850





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Groundwater Vulnerability

General

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

Agency and Hydrological

Geological Classes

Major Aquifer (Highly Permeable)

Minor Aquifer (Variably Permeable)

Non Aquifer (Negligibly Permeable)

Water or Sea

Drift Deposit

Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

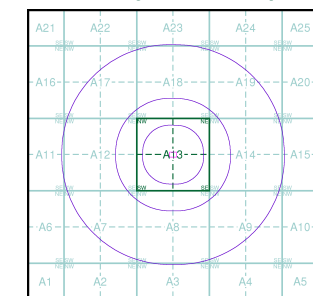
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Site Sensitivity Context Map - Slice A



Order Details

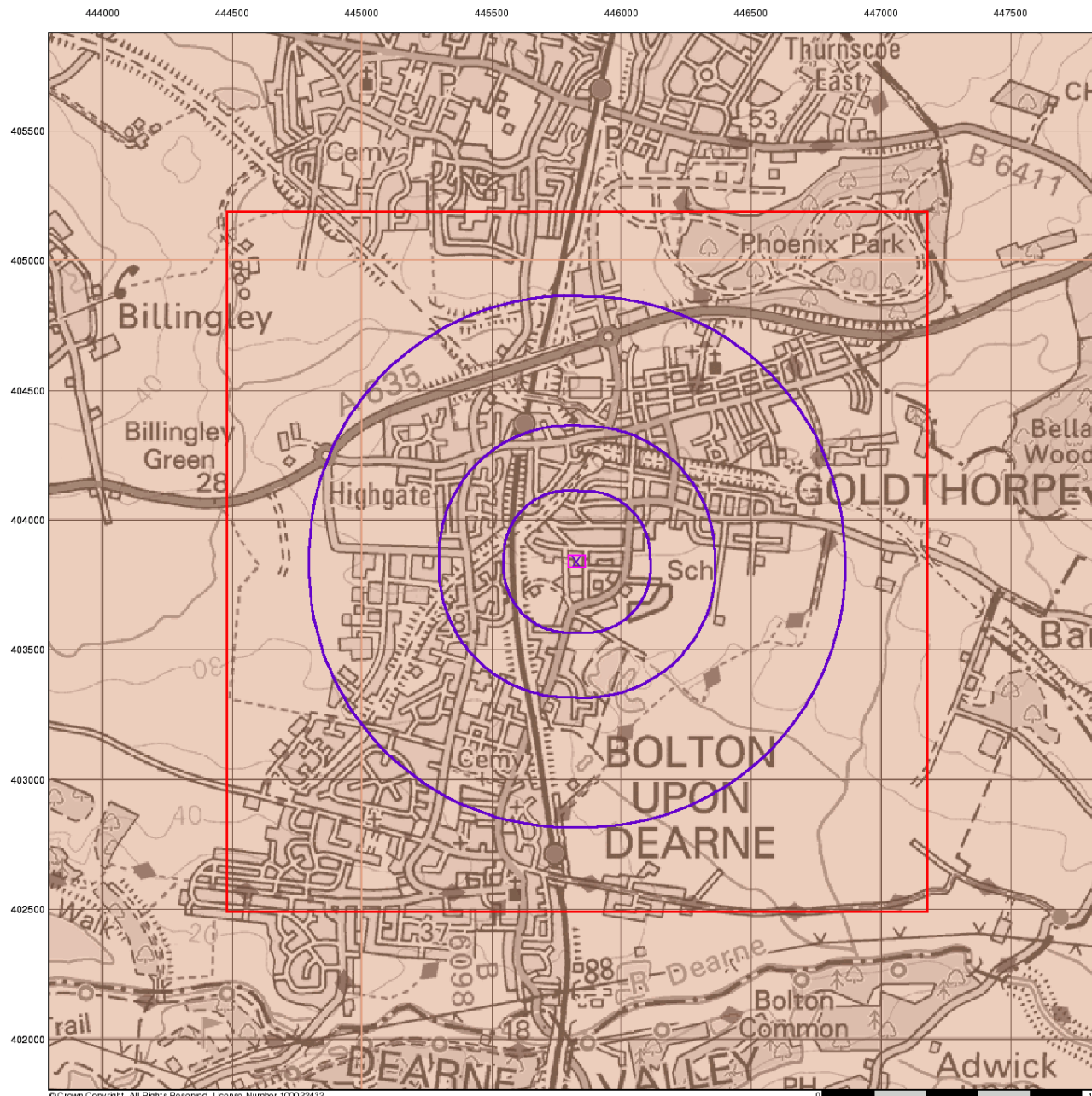
Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Site at 445810, 403850



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 Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

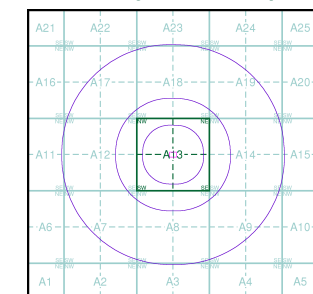
- X Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

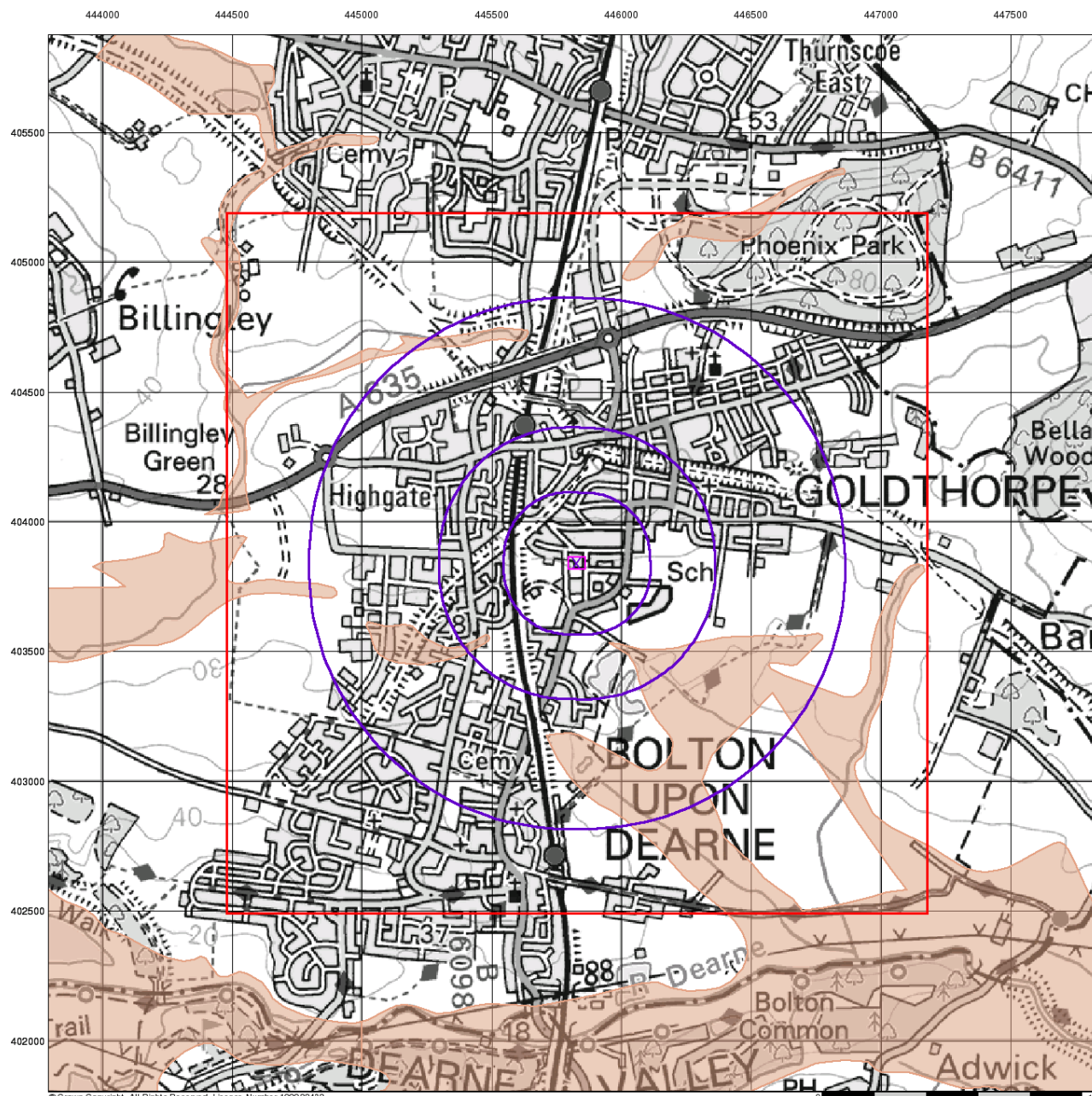
Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

Site at 445810, 403850



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Superficial Aquifer Designation

General

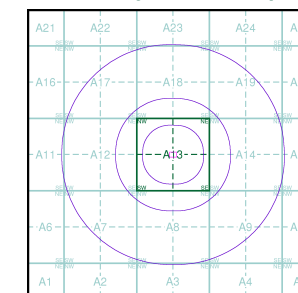
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Map ID

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

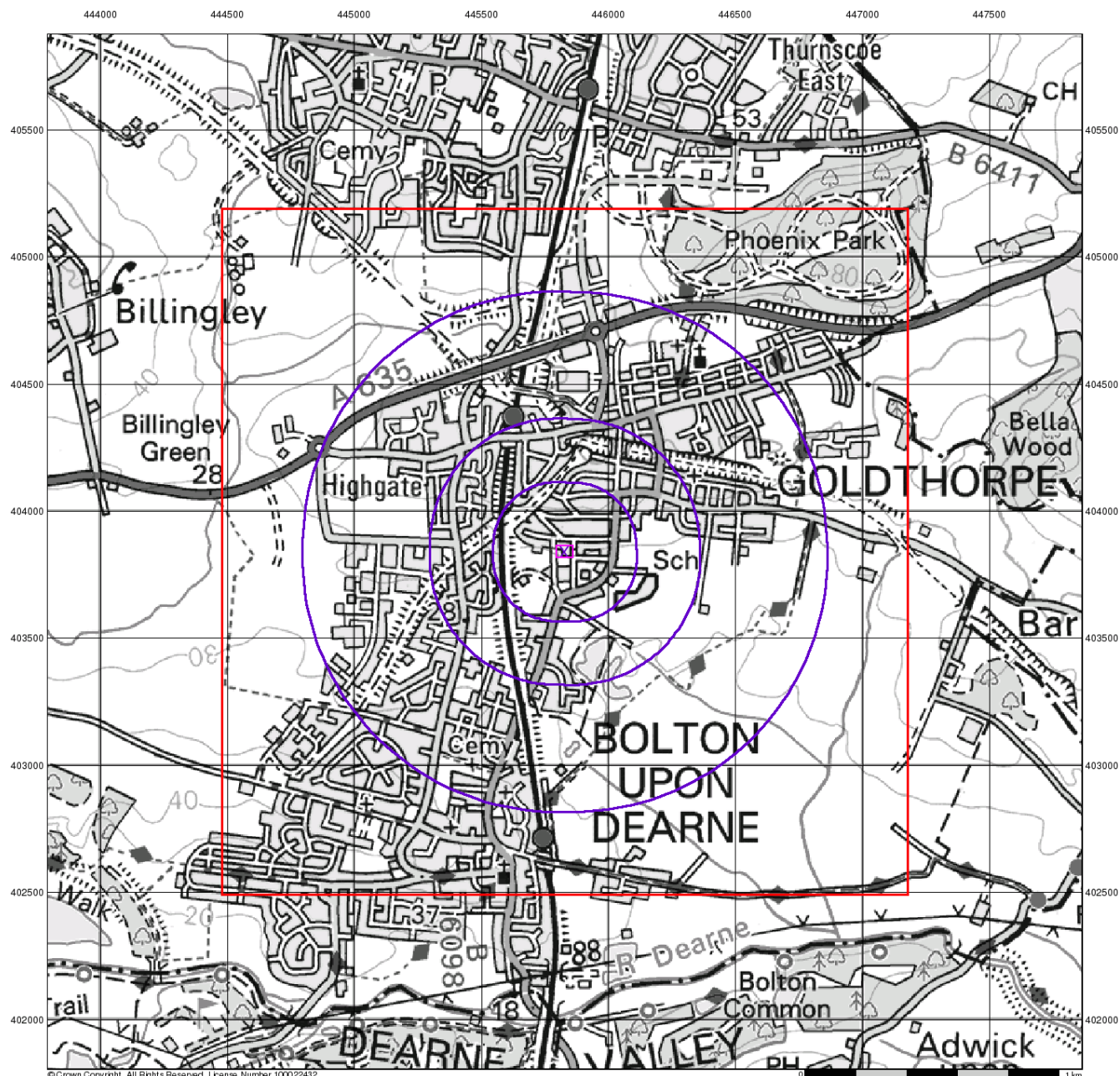
Order Number: 71025784_1_1
 Customer Ref: 38885
 National Grid Reference: 445830, 403840
 Slice: A
 Site Area (Ha): 0.31
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Site Details

Site at 445810, 403850



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Source Protection Zones

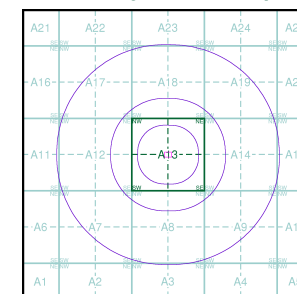
General

- ◻ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- ◻ Slice
- B 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

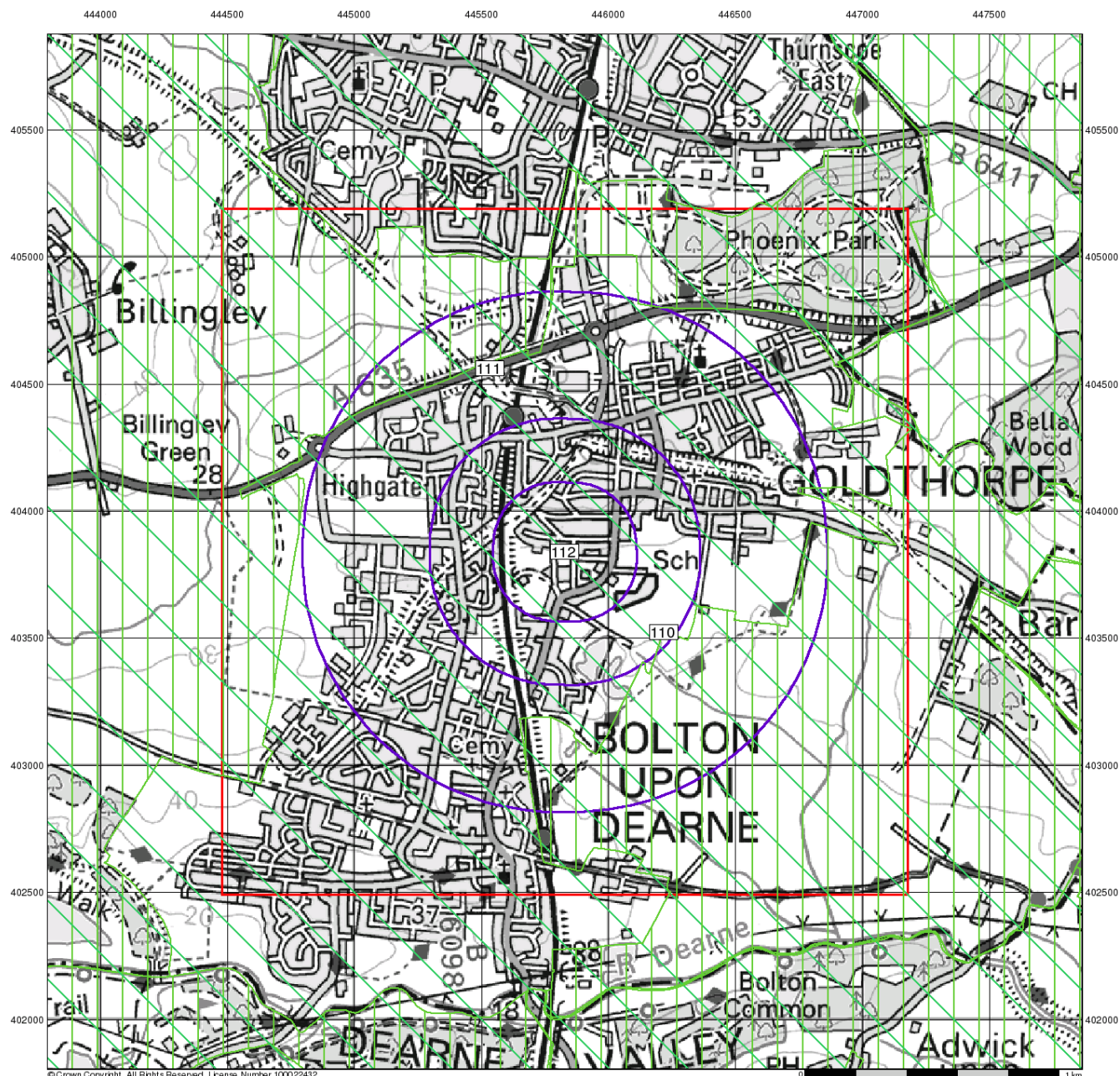
Order Number: 71025784_1_1
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Sensitive Land Uses

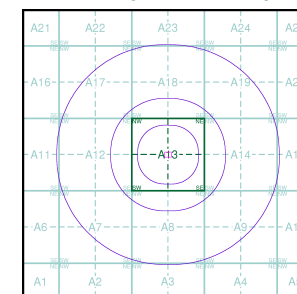
General

- 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

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The Coal Authority

Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0345 762 6848 DX 716176 MANSFIELD 5

**LANDMARK INFORMATION GROUP
LIMITED
SOWTON INDUSTRIAL ESTATE
ABBAY COURT
UNIT 5/7 EAGLE WAY
EXETER
DEVON
EX2 7HY**

Our reference: **51000968561001**
Your reference: **71025784_2|**
Date of your enquiry: **07 August 2015**
Date we received your enquiry: **07 August 2015**
Date of issue: **07 August 2015**

This report is for the property described in the address below and the attached plan.

Non-Residential Coal Authority Mining Report

SITE AT 445810, 403850, SOUTH YORKSHIRE,

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	See comments below
Brine Compensation District	No

Information from the Coal Authority

Underground coal mining

Past

The property is in the likely zone of influence from workings in 4 seams of coal at 240m to 640m depth, and last worked in 1978.

Any ground movement from these coal workings should have stopped by now.

In addition the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered prior to any site works or future development activity. Your attention is drawn to the Comments on Coal Authority Information section of the report.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

Records may be incomplete. Consequently, there may exist in the local area mine entries of which the Coal Authority has no knowledge.

Coal mining geology

The Authority is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been affected by coal mining.

Opencast coal mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31st October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

Withdrawal of support

The property is in an area for which a notice of entitlement to withdraw support was published in 1983.

The property is not in an area for which a notice has been given under section 41 of the Coal Industry Act 1994, revoking the entitlement to withdraw support.

Working facilities orders

The property is not in an area for which an Order has been made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

Payments to owners of former copyhold land

The property is not in an area for which a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Comments on Coal Authority information

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional Remarks

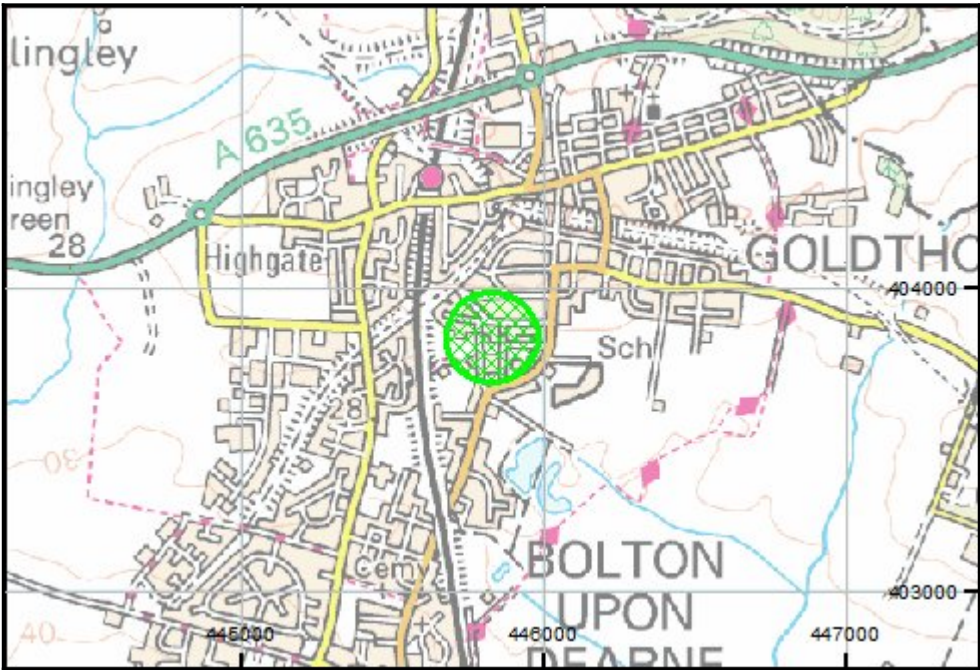
Information provided by the Coal Authority in this report is compiled in response to the Law Society's Con29M Coal Mining and Brine Subsidence Claim enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. Please note that Brine Subsidence Claim enquiries are only relevant for England and Wales. This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions applicable at the time the report was produced.

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Location map



Approximate position
of property

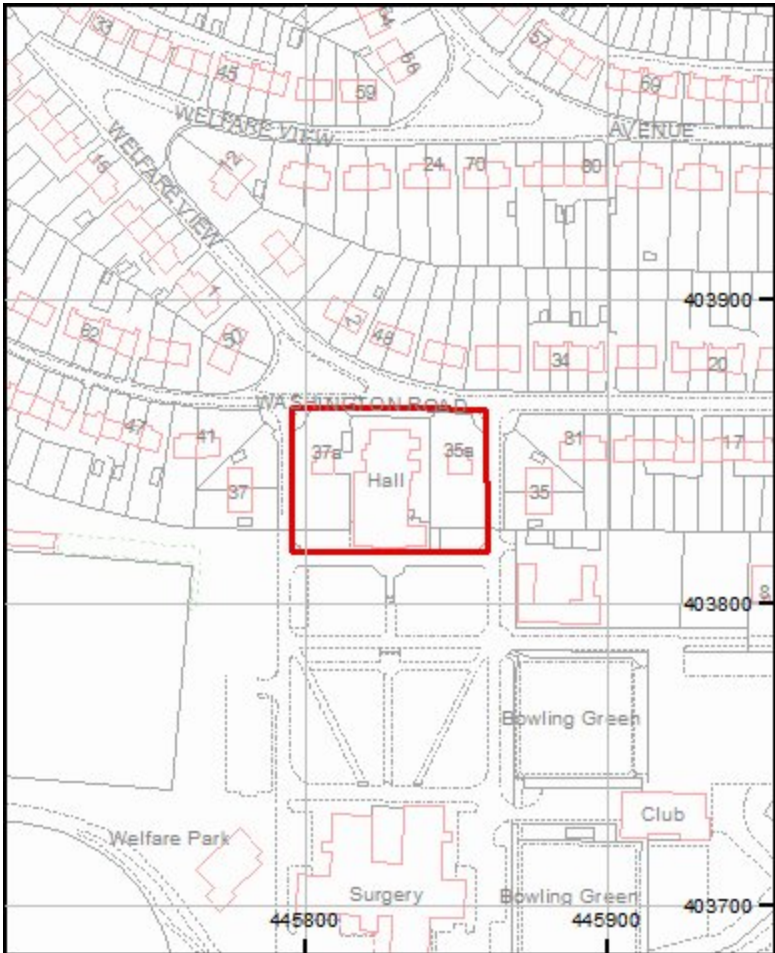


Enquiry boundary

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Key

Approximate position of enquiry
boundary shown



Appendix 3

Trial Pit Logs, TP1 to TP6

Project Name
 Washington Road

Project No.
 38885

Co-ords: -
 Level: -

Date
 20/08/2015

Location: Goldthorpe

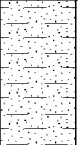
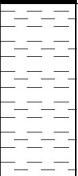
Dimensions: -

Scale
 1:25

Client: The Coalfields Regeneration Trust

Depth
 2.20m

Logged By
 ECM

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
Depth (m)	Type	Results					
0.20	D					TOPSOIL: Grass over brown slightly gravelly sand. Gravel is fine, sub-rounded to sub-angular of various lithologies. Many rootlets noted. Some evidence of a bonfire at the surface due to presence of ash in topsoil at end nearest the theatre.	
0.50	D		0.40			Brown gravelly SAND. Gravel is fine to coarse, sub-rounded to sub-angular of sandstone.	
			0.70			Black friable very clayey SAND.	1
			1.20			COAL.	
			1.30			Stiff brown mottled orange and grey CLAY.	
1.50	IPP 1	150					
1.50	IPP 2	150					
1.50	IPP 3	125					
1.50	IPP 4	175					
1.50	IPP 5	125					
1.50	D		1.90			Very weak MUDSTONE recovered as clayey sandy gravel with ironstone nodules.	2
2.10	D		2.20				
Trialpit Complete at 2.20 m							
							3
							4

Remarks: IPP - Pocket penetrometer results which represent unconfined compressive strength in kN/m2.

Groundwater: None encountered.



Project Name
 Washington Road

Project No.
 38885

Co-ords: -
 Level: -

Date
 20/08/2015

Location: Goldthorpe

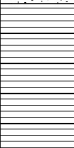
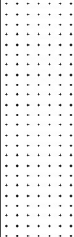
Dimensions: -

Scale
 1:25

Client: The Coalfields Regeneration Trust

Depth
 2.30m

Logged By
 ECM

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
Depth (m)	Type	Results					
0.30	D		0.40			TOPSOIL: Grass over brown clayey gravelly SAND with rootlets.	
0.70	D					Orange-brown friable very clayey SAND.	
1.40	D		1.00			Very weak MUDSTONE recovered as clayey gravel. Gravel is fine to medium, sub-angular to angular.	1
			1.50			Strong SANDSTONE recovered as sandy gravel and cobbles. Gravel and cobbles are fine to coarse, angular to sub-angular.	2
			2.30			Trialpit Complete at 2.30 m	3
							4

Remarks: Terminated due to strong rock.

Groundwater: None encountered.



Project Name
 Washington Road

Project No.
 38885

Co-ords: -
 Level: -

Date
 20/08/2015

Location: Goldthorpe

Dimensions: -

Scale
 1:25

Client: The Coalfields Regeneration Trust

Depth
 1.75m

Logged By
 ECM

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
Depth (m)	Type	Results					
0.10	D					TOPSOIL: Grass over brown clayey gravelly SAND with rootlets.	
			0.40			Brown clayey SAND with lumps of friable clay.	
0.80	D					Very stiff brown mottled orange-grey sandy CLAY.	1
1.50 1.50	IPP D	400	1.70 1.75			Strong SANDSTONE recovered as sandy gravel and cobbles present at base of trial pit.	
						Trialpit Complete at 1.75 m	2
							3
							4

Remarks: IPP - Pocket penetrometer results which represent unconfined compressive strength in kN/m2.
 Terminated due to strong rock.

Groundwater: None encountered.



Project Name
 Washington Road

Project No.
 38885

Co-ords: -
 Level: -

Date
 20/08/2015

Location: Goldthorpe

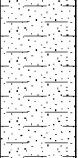
Dimensions: -

Scale
 1:25

Client: The Coalfields Regeneration Trust

Depth
 2.80m

Logged By
 ECM

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
Depth (m)	Type	Results					
0.20	D		0.45			TOPSOIL: Grass over dark brown very clayey sand with occasional gravel and rootlets. Gravel is fine to medium, sub-rounded to sub-angular of various lithologies.	
			1.00			Orange brown clayey SAND	
			2.10			COAL. Water seeping into pit through layer.	1
2.20	D		2.80			Very weak MUDSTONE recovered as fine to medium, sub-angular to angular gravel in a clayey sandy matrix. Some red staining noted. Mudstone got harder with depth and gravel became coarse to cobbles with possible ironstone nodules noted towards the base.	2
						Trialpit Complete at 2.80 m	3
							4

Remarks:

Groundwater: Water seepage at 2.1m bgl.



Project Name
 Washington Road

Project No.
 38885

Co-ords: -
 Level: -

Date
 20/08/2015

Location: Goldthorpe

Dimensions: -

Scale
 1:25

Client: The Coalfields Regeneration Trust

Depth
 2.20m

Logged By
 ECM

Samples & In Situ Testing			Depth (m)	Level (m AOD)	Legend	Stratum Description	
Depth (m)	Type	Results					
0.15	D		0.30			TOPSOIL: Grass over brown clayey gravelly SAND with rootlets.	
0.60	D		0.70			Brown-orange very clayey SAND.	
1.30	D		2.10			Very stiff orange-grey CLAY becoming mudstone with depth.	1
			2.20			Strong SANDSTONE recovered as slightly clayey sandy gravel and cobbles. Gravel is fine to coarse, angular to sub-angular and tabular.	2
Trialpit Complete at 2.20 m							3
							4

Remarks: Terminated due to strong rock.

Groundwater: Water noted at base of pit.



Date
20/08/2015

Scale
1:25

Logged By
ECM

Trialpit Complete at 2.00 m



Appendix 4

Test Results, Chemtech Report 56592

Table of Assessment Values

Lead Corrected Mean Calculation



2531



ANALYTICAL TEST REPORT

Contract no: 56592

Contract name: Washington Road, Goldthorpe

Client reference: 38885/20.08.15

Clients name: Eastwood and Partners

Clients address: St Andrews House
23 Kingfield Road
Sheffield
S11 9AS

Samples received: 24 August 2015

Analysis started: 24 August 2015

Analysis completed 01 September 2015

Report issued: 01 September 2015

Notes: Opinions and interpretations expressed herein are outside the UKAS accreditation scope.
Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.
Methods, procedures and performance data are available on request.
Results reported herein relate only to the material supplied to the laboratory.
This report shall not be reproduced except in full, without prior written approval.
Samples will be disposed of 6 weeks from initial receipt unless otherwise instructed.

Key: U UKAS accredited test
M MCERTS & UKAS accredited test
\$ Test carried out by an approved subcontractor
I/S Insufficient sample to carry out test
N/S Sample not suitable for testing

Approved by:

Karan Campbell
Director

John Campbell
Director

Dave Bowerbank
Customer Services Co-ordinator

Chemtech Environmental Limited

SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

All results are reported on a dry basis. Samples dried at no more than 30°C in a drying cabinet.

Analytical results are inclusive of stones.

Lab ref	Sample id	Depth (m)	Sample description	Material removed	% Removed	% Moisture
56592-1	TP1	0.50	Sandy Loam	-	-	12.3
56592-3	TP2	0.30	Loam with Roots	-	-	14.4
56592-4	TP2	0.70	Sandy Clay	-	-	12.2
56592-5	TP3	0.10	Sandy Loam with Roots	-	-	9.0
56592-7	TP4	0.20	Sandy Loam with Roots	-	-	22.5
56592-8	TP5	0.60	Clay	-	-	15.7
56592-10	TP6	0.40	Loam with Roots	-	-	26.5
56592-11	TP6	0.70	Sandy Clay	-	-	12.2

Chemtech Environmental Limited

SOILS

Lab number Sample id Depth (m) Date sampled			56592-1 TP1 0.50 20/08/2015	56592-3 TP2 0.30 20/08/2015	56592-4 TP2 0.70 20/08/2015	56592-5 TP3 0.10 20/08/2015	56592-7 TP4 0.20 20/08/2015	56592-8 TP5 0.60 20/08/2015
Test	Method	Units						
Arsenic (total)	CE127 ^M	mg/kg As	22	20	9.7	15	21	13
Cadmium (total)	CE127 ^M	mg/kg Cd	<0.2	0.2	0.3	0.5	<0.2	0.4
Chromium (total)	CE127 ^M	mg/kg Cr	64	70	47	86	70	58
Chromium (VI)	CE050	mg/kg CrVI	<1	<1	<1	<1	<1	<1
Copper (total)	CE127 ^M	mg/kg Cu	22	55	90	20	91	26
Lead (total)	CE127 ^M	mg/kg Pb	30	114	15	55	257	33
Mercury (total)	CE127 ^M	mg/kg Hg	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Nickel (total)	CE127 ^M	mg/kg Ni	23	25	22	25	26	26
Selenium (total)	CE127 ^M	mg/kg Se	2.2	1.2	1.7	0.9	1.4	1.2
Zinc (total)	CE127 ^M	mg/kg Zn	67	180	67	84	160	95
pH	CE004 ^M	units	7.6	7.6	7.8	6.8	6.6	7.7
Sulphate (2:1 water soluble)	CE061 ^M	mg/l SO ₄	109	-	25	-	-	16
Sulphate (total)	CE062 ^M	mg/kg SO ₄	462	-	209	-	-	401
Sulphur (total)	CE127	% w/w S	0.02	-	<0.01	-	-	0.02
PAH								
Naphthalene	CE087 ^M	mg/kg	<0.01	0.11	<0.01	0.11	0.14	<0.01
Acenaphthylene	CE087 ^M	mg/kg	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Acenaphthene	CE087 ^M	mg/kg	<0.01	0.03	<0.01	0.02	0.06	<0.01
Fluorene	CE087 ^U	mg/kg	<0.01	0.03	<0.01	0.02	0.04	<0.01
Phenanthrene	CE087 ^M	mg/kg	0.07	0.63	0.03	0.50	1.09	0.03
Anthracene	CE087 ^U	mg/kg	<0.02	0.18	0.04	0.15	0.17	<0.02
Fluoranthene	CE087 ^M	mg/kg	0.07	1.61	<0.02	1.56	3.46	0.08
Pyrene	CE087 ^M	mg/kg	0.08	1.48	<0.02	1.38	3.01	0.09
Benzo(a)anthracene	CE087 ^U	mg/kg	0.03	0.76	<0.02	0.57	1.20	0.03
Chrysene	CE087 ^M	mg/kg	0.03	0.84	<0.01	0.69	1.58	<0.01
Benzo(b)fluoranthene	CE087 ^M	mg/kg	<0.02	0.98	<0.02	0.91	1.85	<0.02
Benzo(k)fluoranthene	CE087 ^M	mg/kg	<0.02	0.47	<0.02	0.37	0.91	<0.02
Benzo(a)pyrene	CE087 ^U	mg/kg	<0.02	0.81	<0.02	0.72	1.63	<0.02
Indeno(123cd)pyrene	CE087 ^M	mg/kg	<0.02	0.66	<0.02	0.64	1.21	<0.02
Dibenz(ah)anthracene	CE087 ^M	mg/kg	<0.02	0.09	<0.02	0.11	0.23	<0.02
Benzo(ghi)perylene	CE087 ^M	mg/kg	<0.02	0.46	<0.02	0.47	0.96	<0.02
PAH (total of USEPA 16)	CE087	mg/kg	0.27	9.14	<0.27	8.21	17.5	<0.27

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SOILS

Lab number			56592-10	56592-11
Sample id			TP6	TP6
Depth (m)			0.40	0.70
Date sampled			20/08/2015	20/08/2015
Test	Method	Units		
Arsenic (total)	CE127 ^M	mg/kg As	21	22
Cadmium (total)	CE127 ^M	mg/kg Cd	0.6	0.3
Chromium (total)	CE127 ^M	mg/kg Cr	73	52
Chromium (VI)	CE050	mg/kg CrVI	<1	<1
Copper (total)	CE127 ^M	mg/kg Cu	27	25
Lead (total)	CE127 ^M	mg/kg Pb	115	26
Mercury (total)	CE127 ^M	mg/kg Hg	<0.5	<0.5
Nickel (total)	CE127 ^M	mg/kg Ni	21	23
Selenium (total)	CE127 ^M	mg/kg Se	1.2	1.4
Zinc (total)	CE127 ^M	mg/kg Zn	129	64
pH	CE004 ^M	units	6.5	7.8
Sulphate (2:1 water soluble)	CE061 ^M	mg/l SO ₄	-	12
Sulphate (total)	CE062 ^M	mg/kg SO ₄	-	164
Sulphur (total)	CE127	% w/w S	-	<0.01
PAH				
Naphthalene	CE087 ^M	mg/kg	0.11	<0.01
Acenaphthylene	CE087 ^M	mg/kg	<0.01	<0.01
Acenaphthene	CE087 ^M	mg/kg	0.05	<0.01
Fluorene	CE087 ^U	mg/kg	0.04	<0.01
Phenanthrene	CE087 ^M	mg/kg	0.74	0.05
Anthracene	CE087 ^U	mg/kg	0.18	<0.02
Fluoranthene	CE087 ^M	mg/kg	1.80	0.11
Pyrene	CE087 ^M	mg/kg	1.63	0.12
Benzo(a)anthracene	CE087 ^U	mg/kg	0.61	0.06
Chrysene	CE087 ^M	mg/kg	0.79	0.05
Benzo(b)fluoranthene	CE087 ^M	mg/kg	0.96	<0.02
Benzo(k)fluoranthene	CE087 ^M	mg/kg	0.36	<0.02
Benzo(a)pyrene	CE087 ^U	mg/kg	0.72	<0.02
Indeno(123cd)pyrene	CE087 ^M	mg/kg	0.52	<0.02
Dibenz(ah)anthracene	CE087 ^M	mg/kg	0.09	<0.02
Benzo(ghi)perylene	CE087 ^M	mg/kg	0.43	0.04
PAH (total of USEPA 16)	CE087	mg/kg	9.04	0.43

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SOILS

Lab number			56592-1	56592-2
Sample id			TP1	TP3
Depth (m)			1.50	1.50
Date sampled			20/08/2015	20/08/2015
Material Type			Light brown, orange, grey, mottled CLAY	Orange, grey, light brown, mottled, slightly sandy CLAY with occasional coals
Test	Method	Units		
Natural Moisture Content	\$	%	35.3	19.5
Liquid Limit	\$	%	56	41
Plastic Limit	\$	%	25	20
Plasticity Index	\$	%	31	21
Passing 425µm	\$	%	100	99
Soil Classification	\$	-	CH	CI

Chemtech Environmental Limited

SOILS

Lab number			56592-3
Sample id			TP5
Depth (m)			1.30
Date sampled			20/08/2015
Material Type			Orange, grey, silty CLAY
Test	Method	Units	
Natural Moisture Content	\$	%	18.1
Liquid Limit	\$	%	39
Plastic Limit	\$	%	21
Plasticity Index	\$	%	18
Passing 425µm	\$	%	95
Soil Classification	\$	-	CI

Chemtech Environmental Limited

METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE127	Arsenic (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg As
CE127	Cadmium (total)	Aqua regia digest, ICP-MS	Dry	M	0.2	mg/kg Cd
CE127	Chromium (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Cr
CE050	Chromium (VI)	Acid extraction, Colorimetry	Dry		1	mg/kg CrVI
CE127	Copper (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Cu
CE127	Lead (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Pb
CE127	Mercury (total)	Aqua regia digest, ICP-MS	Dry	M	0.5	mg/kg Hg
CE127	Nickel (total)	Aqua regia digest, ICP-MS	Dry	M	1	mg/kg Ni
CE127	Selenium (total)	Aqua regia digest, ICP-MS	Dry	M	0.3	mg/kg Se
CE127	Zinc (total)	Aqua regia digest, ICP-MS	Dry	M	5	mg/kg Zn
CE004	pH	Based on BS 1377, pH Meter	Wet	M	-	units
CE061	Sulphate (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry	M	10	mg/l SO ₄
CE062	Sulphate (total)	Acid extraction, ICP-OES	Dry	M	100	mg/kg SO ₄
CE127	Sulphur (total)	Acid extraction, ICP-MS	Dry		0.01	% w/w S
CE087	Naphthalene	Solvent extraction, GC-MS	Wet	M	0.01	mg/kg
CE087	Acenaphthylene	Solvent extraction, GC-MS	Wet	M	0.01	mg/kg
CE087	Acenaphthene	Solvent extraction, GC-MS	Wet	M	0.01	mg/kg
CE087	Fluorene	Solvent extraction, GC-MS	Wet	U	0.01	mg/kg
CE087	Phenanthrene	Solvent extraction, GC-MS	Wet	M	0.02	mg/kg
CE087	Anthracene	Solvent extraction, GC-MS	Wet	U	0.02	mg/kg
CE087	Fluoranthene	Solvent extraction, GC-MS	Wet	M	0.02	mg/kg
CE087	Pyrene	Solvent extraction, GC-MS	Wet	M	0.02	mg/kg
CE087	Benzo(a)anthracene	Solvent extraction, GC-MS	Wet	U	0.02	mg/kg
CE087	Chrysene	Solvent extraction, GC-MS	Wet	M	0.01	mg/kg
CE087	Benzo(b)fluoranthene	Solvent extraction, GC-MS	Wet	M	0.02	mg/kg
CE087	Benzo(k)fluoranthene	Solvent extraction, GC-MS	Wet	M	0.02	mg/kg
CE087	Benzo(a)pyrene	Solvent extraction, GC-MS	Wet	U	0.02	mg/kg
CE087	Indeno(123cd)pyrene	Solvent extraction, GC-MS	Wet	M	0.02	mg/kg
CE087	Dibenz(ah)anthracene	Solvent extraction, GC-MS	Wet	M	0.02	mg/kg
CE087	Benzo(ghi)perylene	Solvent extraction, GC-MS	Wet	M	0.02	mg/kg
CE087	PAH (total of USEPA 16)	Solvent extraction, GC-MS	Wet		0.27	mg/kg
\$	Material Type	BS1377: Part 2	Wet		-	-
\$	Natural Moisture Content	BS1377: Part 2: Clause 3.2	Wet	U	0.1	%
\$	Liquid Limit	BS1377: Part 2: Clause 4.4	Wet	U	1	%
\$	Plastic Limit	BS1377: Part 2: Clause 5.3	Wet	U	1	%
\$	Plasticity Index	BS1377: Part 2: Clause 5.4	Wet	U	1	%
\$	Passing 425µm	BS1377: Part 2	Wet	U	1	%
\$	Soil Classification	BS1377: Part 2	Wet	U	-	-

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DEVIATING SAMPLE INFORMATION

Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

- N No (not deviating sample)
- Y Yes (deviating sample)
- A Sampling date not provided
- B Sampling time not provided (waters only)
- C Sample exceeded holding time(s)
- D Sample not received in appropriate containers
- E Headspace present in sample container
- F Sample not chemically fixed (where appropriate)
- G Sample not cooled
- H Other (specify)

Lab ref	Sample id	Depth (m)	Deviating	Tests (Reason for deviation)
56592-1	TP1	0.50	N	
56592-2	TP1	1.50	N	
56592-3	TP2	0.30	N	
56592-4	TP2	0.70	N	
56592-5	TP3	0.10	N	
56592-6	TP3	1.50	N	
56592-7	TP4	0.20	N	
56592-8	TP5	0.60	N	
56592-9	TP5	1.30	N	
56592-10	TP6	0.40	N	
56592-11	TP6	0.70	N	

Inorganic Compounds	Human Health - Residential with Homegrown Produce (mg/kg)
Arsenic	37
Cadmium	11
Chromium (III)	910
Chromium (VI)	6
Lead	200
Mercury	1.2
Nickel	180
Selenium	250
Copper	2400
Zinc	3700

Organic Compounds	Human Health - Residential with Homegrown Produce (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Naphthalene	2.3	5.6	13
Acenaphthene	210	510	1100
Acenaphthylene	170	420	920
Fluorene	170	400	860
Phenanthrene	95	220	440
Anthracene	2400	5400	11000
Fluoranthene	280	560	890
Pyrene	620	1200	2000
Benzo(a)anthracene	7.2	11	13
Chrysene	15	22	27
Benzo(b)fluoranthene	2.6	3.3	3.7
Benzo(k)fluoranthene	77	93	10
Benzo(a)pyrene	2.2	2.7	3.0
Dibenz(a,h)anthracene	0.24	0.28	0.3
Indeno(1,2,3-cd)pyrene	27	36	41
Benzo(g,h,i)perylene	320	340	350
Benzene	0.087	0.17	0.37
Toluene	130	290	660
Ethylbenzene	47	110	260
o-Xylene	60	140	330
m-Xylene	59	140	320
p-Xylene	56	130	310

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Prepared	KDL	Checked	CAT	Date	02.09.2015	Job No	38885
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Contaminant	Phytotoxicity			
	pH 5.0 to 5.5	pH 5.5 to 6.0	pH 6.0 to 6.5	pH >7.0
Arsenic	50			
Cadmium	3			
Chromium	400			
Lead	300			
Mercury	1			
Nickel	50	60	75	110
Copper	80	100	135	200
Zinc	200	200	200	300

The assessment concentration for lead is the Category 4 Screening Level produced by Contaminated Land: Applications in Real Environments (CL:AIRE) and outlined in Appendix H of their report SP1010. The others have been taken from Nathanail, C. P., McCaffrey, C., Gillett, A., Ogden, R., and Nathanail, J., 2015, *'The LQM/CIEH S4ULs for Human Health Risk Assessment'*, Land Quality Press, Nottingham. The metals/metalloids are based on a sandy loam soil and 6% soil organic matter. The assessment values are not intended to be applied to individual sample results where materials are similar, as the levels of contaminants will have a natural variability across the site. Instead, the modified mean value should be compared with the assessment concentration.

The assessment values for phytotoxicity are the levels at which plant growth is thought to be affected. They are taken from the maximum permissible and advisable concentrations in soil after application of soil sludge given in the *'The Code of Good Agricultural Practice for the Protection of Soil'*, MAFF, 1998.

The assessment of sulphate, water soluble sulphate, elemental sulphur and sulphide is to determine the aggressive nature of the ground with respect to concrete and consequently the results are compared with BRE Special Digest 1:2005 *'Concrete in Aggressive Ground'*.

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TPH Fraction	Intended Land Use Residential (mg/kg)		
	1% SOM	2.5% SOM	6% SOM
Aliphatic EC 5-6	42	78	160
Aliphatic EC >6-8	100	230	530
Aliphatic EC >8-10	27	65	150
Aliphatic EC >10-12	130 (48) ^{vap}	330 (118) ^{vap}	760 (283) ^{vap}
Aliphatic EC >12-16	1100 (24) ^{sol}	2400 (59) ^{sol}	4,300 (142) ^{sol}
Aliphatic EC >16-35	65,000 (8.48) ^{f, sol}	92,000 (21) ^{f, sol}	110,000 ^f
Aliphatic EC >35-44	65,000 (8.48) ^{f, sol}	92,000 (21) ^{f, sol}	110,000 ^f
Aromatic EC 5-7	70	140	300
Aromatic EC >7-8	130	290	660
Aromatic EC >8-10	34	83	190
Aromatic EC >10-12	74	180	380
Aromatic EC >12-16	140	330	660
Aromatic EC >16-21	260 ^f	540 ^f	930 ^f
Aromatic EC >21-35	1,100 ^f	1,500 ^f	1,700 ^f
Aromatic EC >35-44	1,100 ^f	1,500 ^f	1,700 ^f

^f oral, dermal, and inhalation exposure compared with oral HCV

^{sol} S4UL presented exceeds the solubility saturation limit, which is presented in brackets

^{vap} S4UL presented exceed the vapour saturation limit, which is presented in brackets

The assessment criteria for each of the petroleum hydrocarbon fractions have been taken from Nathanail, C. P., McCaffrey, C., Gillett, A., Ogden, R., and Nathanail, J., 2015, *'The LQM/CIEH S4ULs for Human Health Risk Assessment'*, Land Quality Press, Nottingham. These are also all based on a sandy loam soil.

Within the Environment Agency Science Report P5-080/TR3, Askari, K. & Pollard, S., 2005 *'The UK Approach for Evaluating Human Health Risks from Petroleum Hydrocarbons in Soils'* it is stated that the assessment values should not be considered individually; instead the potential additive effects should be calculated. This is achieved by calculating an individual Hazard Quotient (HQ) for each fraction. The HQ is the proportion of the assessment concentration represented by the recorded concentration. The HQs are then added together to form a Hazard Index (HI) and where this exceeds unity a potential significant risk to human health may exist.

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SITE: Washington Road, Goldthorpe	Job No. 38885	Date 30/09/2015
SUBJECT: Mean Value Test for Lead	Prepared ECM	Checked KE

The method uses the geometric mean rather than the arithmetic mean which is used for other contaminants.

Results mg/kg	Sample	Log Results
114.00	TP2 0.3m	2.057
55.00	TP3 0.1m	1.740
243.20	TP4 0.2m	2.386
115.00	TP6 0.4m	2.061

Calculations based on log results

Number of results : n = 4
Mean : $\bar{X}$ = 2.061
Standard deviation : s = 0.264
T value : t = 2.353
Corrected mean (95% confidence) =
= $\bar{X} + t * s / n^{0.5}$ = 2.371

Final results

Mean : $\bar{X}$ = 115 mg/kg

Corrected mean (95% confidence) = 235 mg/kg