



**REPORT C9470 Rev A
MAY 2022**

PRELIMINARY APPRAISAL (DESK STUDY)

**of land off
DODWORTH GREEN ROAD, DODWORTH, BARNSELY**

**prepared for
NEWETT HOMES LTD**



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SITE NAME: Land off Dodworth Green Road, Dodworth, Barnsley

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APPENDICES**APPENDIX A DRAWINGS**

Drawing No.	Title	Scale
C9470/01	Site Location Plan	1:25,000 @ A4
C9470/02 Rev A	Site Features Plan	Not to Scale (A3)
C9470/03 Rev A	Preliminary Conceptual Site Model	Not to Scale (A3)
Z087.002 (Newett Homes)	Planning Layout	1:500 @ A2
BM2005/01 (Benchmark Land Surveys)	Topographical Survey	1:500 @ A1

APPENDIX B ENVIROCHECK REPORT**APPENDIX C COAL AUTHORITY CONSULTANTS COAL MINING REPORT****APPENDIX D QUALITATIVE RISK ASSESSMENT METHODOLOGY**

EXECUTIVE SUMMARY

Introduction	Sirius Geotechnical Ltd was commissioned by Newett Homes Ltd to undertake a preliminary appraisal report (desktop study) of land off Dodworth Green Road, Dodworth, Barnsley (the 'site'). It is understood that development of the site for a low-rise residential end use is proposed, comprising construction of 50 No. new houses and associated infrastructure. In addition, an existing house to the north of the site is to be retained.
NGR	431430, 404980.
Site Description	<p>A small watercourse runs through the centre of the site from north-west to south-east, within a steep-sided ravine.</p> <p>The majority of land north of the watercourse comprises a largely featureless lawn to the house adjoining the site to the north-east, with dense vegetation and mature trees adjacent to the watercourse, and in the west.</p> <p>The majority of the southern part of the site comprises long grass, with significant areas of dense, high brambles and nettles. Disturbed ground, revealing colliery spoil type material (clay, shale and coal fragments) was observed in this area; this has resulted from previous site investigation works to locate a recorded mine shaft (see below).</p> <p>The southernmost part of the site comprises a wooded slope down to the southern end of the site, which comprises a wet, marshy area adjacent to a second small watercourse.</p>
Site History	Review of historical maps indicates that the site has remained largely undeveloped. An Old Coal Pit (i.e., mine shaft) and a Well are shown on the earliest map. The existing house to the north of the site appears to have been built in the 1960s.
Anticipated Ground Conditions	<p>Based on published geological mapping for the area, shallow ground conditions are considered likely to mainly comprise residual soils originating from weathering of the underlying Coal Measures strata (both granular and cohesive soils may be present), overlying sandstone, siltstone and mudstone.</p> <p>Made ground is likely to be present locally on the site, e.g., colliery spoil has been identified in proximity to a recorded mine shaft (see below).</p>
Mining & Quarrying	<p>The stability of the site is at risk from recorded and unrecorded shallow mine workings in the Flockton Thick coal seam, as well as from potential unrecorded shallow mine workings in the Flockton Thin coal, Joan Coal, and Tankersley Ironstone seams.</p> <p>There are two mine entries recorded by the Coal Authority within the site; a mine adit, which has been located by a previous site investigation, and a mine shaft, which was not located by the previous site investigation, although this was constrained by site access restrictions.</p> <p>It is possible that there are also further, unrecorded mine entries on the site.</p> <p>There is no indication that the site has been affected by quarrying. However, the possibility of small historical unrecorded quarries being present cannot be ruled out at this stage.</p>
Foundations	<p>The nature and depth of foundations for new houses will be dependent on site-specific conditions, including:</p> <ul style="list-style-type: none"> • Location, thickness and geotechnical properties of made ground. • Bearing capacity of the natural strata. • Presence of shallow mine workings and mine entries. • Groundwater levels. • Proximity to trees and shrubs, where potentially shrinkable soils are present.

	It is recommended that intrusive site investigation is carried out in order to provide ground profile and geotechnical information, and to determine suitable foundation solutions for the site.
Potential Contamination	The preliminary conceptual site model indicates that pollutant linkages are possible to a variety of receptors, primarily human health. Potential heavy metals, organic contaminants and asbestos fibres in made ground and shallow soils may pose a potential risk to the human health via ingestion, inhalation and dermal pathways. Risks related to these potential linkages are currently given a qualitative assessment of 'moderate'. The nature of the risks should be investigated further through site investigation, sampling, analysis and generic quantitative risk assessment.
Ground Gas Risk	There is potential for hazardous ground gas generation and accumulation to occur as a result of the presence of shallow coal and ironstone workings below the site, with migration pathways such as mine entries and fractured / jointed rock. In addition, areas of deep made ground on the site could act as a source of hazardous ground gases. Accordingly, a ground gas risk assessment should be undertaken prior to development. Basic radon protective measures are required for the site.
Recommended Further Works	The following ground investigation works should be undertaken to confirm ground conditions and determination of geotechnical and contamination constraints: <ul style="list-style-type: none"> • Trial pits and window sampling to investigate near-surface soil and groundwater conditions and to allow recovery of soil samples for testing. • Rotary openhole probe drilling to determine the depth and thickness of coal / ironstone seams and any mine workings at shallow depth below the site. A search of the CA Mine Abandonment Plan Catalogue should be undertaken to aid design of the probing. • Installation of ground gas monitoring wells in selected window sampler and rotary boreholes. • Trial trenching to expose the recorded mine shaft on the site (within accessible areas of the potential 'departure' zone), followed by rotary probe drilling to determine the depth and nature of fill within the shaft. • Trial trenching to expose the recorded historical well on the site (if accessible). • Chemical and geotechnical laboratory testing to adequately categorise shallow soils and groundwater. • A programme of ground gas monitoring, within boreholes and within the existing house that is to be retained. • Obtain BGS Radon Report for the existing house that is to be retained. Depending on the findings, this may necessitate passive radon monitoring. • Reporting. <p>Subject to the findings of the rotary probing, trial pitting and window sampling, consideration should be given to a soil strip to determine whether bell pits are present.</p> <p>Intrusive ground investigation works should be undertaken by a suitably qualified geoenvironmental consultant.</p> <p>An asbestos survey of existing buildings should be undertaken prior to any refurbishment / demolition works being undertaken on them.</p>

The executive summary is an overview of the key findings and conclusions of the report. There may be other information contained in the body of the report which puts into context the findings of the executive summary. No reliance should be placed on the executive summary in isolation, particularly when deriving design detail / abnormal costs.

1. INTRODUCTION

Sirius Geotechnical Ltd (Sirius) was commissioned by Newett Homes Ltd to undertake a preliminary appraisal report (desktop study) of land off Dodworth Green Road, Dodworth, Barnsley (the 'site').

It is understood consideration is being given to development of the site for a residential use, comprising construction of 50 No. new houses, and retention of an existing house in the north of the site, as shown on Newett Homes Drawing No. Z087.002 Rev C, dated 12.05.22, a copy of which is included in Appendix A.

No proposed development levels have been received at the time of writing; however, proposed retaining walls are noted in the south of the site on the proposed site layout plan, and given the existing topography, it is envisaged that some earthworks will be required in order to provide suitable development platforms. It is also understood that a ravine crossing the site will be partially filled in, with provision of a new culvert, to facilitate construction of the proposed road through the site.

The objectives of the preliminary appraisal were to:

- Establish the historical development of the site and immediate surrounding area from a review of historical Ordnance Survey (OS) plans;
- Establish the environmental setting of the site;
- Evaluate whether past mining or other extractive industries could have an influence on the site;
- Determine whether historical or current activities could give rise to significant ground contamination;
- Determine the potential risk to the development from hazardous ground gas sources, including radon;
- Make, if possible, provisional recommendations for foundations and measures to deal with potential contamination; and,

- Provide recommendations for intrusive works required to confirm the ground conditions below the site and the contamination status of the shallow soils, and, from this, foundation solutions and measures to deal with any contamination.

This desk study includes an assessment of information provided by Landmark Information Group (Envirocheck report), the Coal Authority (CA), British Geological Survey (BGS) and others. A site inspection (walkover survey) was undertaken by a Sirius geoenvironmental engineer on 18th May 2022.

This report presents and interprets the factual information reviewed during this investigation and presents a preliminary conceptual site model (PCSM) from which ground-related hazards and risks have been assessed.

It has been assumed in the production of this report that the site is to be developed for a low rise 'residential with gardens' end use, broadly as shown on the above-referenced proposed site layout plan, and that some earthworks will be required to achieve finished development levels, although the extent of this is currently unknown. Should these assumptions prove not to be the case, the conclusions and recommendations of this report may require revision.

Where the report refers to the potential presence of invasive plants (such as Japanese knotweed) or asbestos-containing materials, such observations are for information only and should be verified by a suitably qualified expert.

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2. SITE DETAILS AND DESCRIPTION

Table 2.1 Current Site Overview

Location	The site is located in the village of Dodworth, c. 3.5 km south-west of Barnsley town centre and is accessed from Dodworth Green Road. A site location plan is included as Drawing No. C9470/01, within Appendix A.
National Grid Reference	431430, 404980.
Topography	<p>For a detailed appreciation of the site topography, refer to Benchmark Land Surveys drawing ref. BM2005/01, dated 22/11/05 (a copy of which is included in Appendix A), although it should be noted that the extent of vegetation and internal fence lines on the site have changed since this drawing was produced.</p> <p>Overall, levels fall on the site from north to south, with a high point of c. 133m above Ordnance Datum (AOD) at the north-western corner, and a low point of c. 112m AOD in the south-eastern corner.</p> <p>A small watercourse runs through the centre of the site from north-west to south-east, within a steep-sided ravine. The northernmost part of the site slopes down at a gradient of c. 1 in 15, with a break in slope to a steeper gradient down to the watercourse, of up to c. 1 in 4.</p> <p>The majority of the land to the south of the ravine falls to the south at a gradient of c. 1 in 7. However, there is a steeper break in slope, c. 3m high and at a gradient of c. 1 in 3, at the southern end of the site, with an almost level area in the southernmost part of the site, adjacent to a second small watercourse.</p>
Site Features	<p>Refer to the Site Features Plan, Drawing No. C9470/02 Rev A, in Appendix A.</p> <p>The existing house in the north of the site that is to be retained is of brick construction and two storeys in height, accessed via an asphalt-surfaced driveway leading from Dodworth Green Road. There is a wooden shed and pre-cast concrete panel double garage to the east of the house. Within the curtilage of this house, there is a maintained lawn to the south, and an area of mature trees to the west.</p> <p>The majority of the other land north of the watercourse comprises a largely</p>

	<p>featureless lawn to the house adjoining the site in the north-east, with dense vegetation and mature trees adjacent to the watercourse and in the west, adjoining the Travellers Inn pub. A small depression was noted towards the southern end of this lawn area.</p> <p>The watercourse that crosses the central part of the site was noted to have steep, wooded sides, and only a small flow of water, despite there having been heavy rain the night before the walkover survey. Exposed sandstone / siltstone rock was noted within the stream bed.</p> <p>The area of the historical well noted in the central part of the site on historical OS mapping (see Table 3.1, below) was noted to be heavily overgrown.</p> <p>The land south of the watercourse is accessed via the driveway and garden to The Old Stables house, which adjoins the site to the west. Within the red-line site boundary, and to the south of the house, is a level terrace / lawn area, retained by a retaining wall of breeze block and brick construction, between c. 1m and 2.5m high. The eastern and southern faces of the retaining wall have become detached at the south-eastern corner, and the wall is leaning over severely in this area.</p> <p>The majority of the remainder of the southern part of the site comprises long grass, with significant areas of dense, high brambles, nettles and weeds. Disturbed ground, revealing colliery spoil type material (clay, shale and coal fragments) was noted between the retained terrace and the watercourse; this has resulted from previous site investigation works (see Section 4, below).</p> <p>The southernmost part of the site comprises a wooded slope down to the southern end of the site, which comprises a wet, marshy area adjacent to a small watercourse.</p>
Site Area	Approximately 1.9 hectares.
Site Boundaries	<p>The northern boundary is marked by hedgerows.</p> <p>The eastern boundary is marked by a variety of brick walls, wooden fences and hedgerows.</p> <p>The southern boundary is marked by a small watercourse, with a wooded bank beyond.</p> <p>The western boundary with Dodworth Green Road and the Travellers Inn in the</p>



	<p>north of the site comprises a stone wall, which acts as a retaining wall to Dodworth Green Road; the topographical survey suggests retained heights of up to 1.6m.</p> <p>The western boundary in the south with properties on Chantry Orchards, comprises various brick walls and wooden fences. It should be noted that the wall to the south-easternmost house on Chantry Orchards appears to form the site boundary locally.</p>
Adjacent Land Uses	<p>The site is adjoined to the north and east by residential properties, to the south by a wooded area, and to the west by residential properties in the south, and in the north by the Travellers Inn pub and Dodworth Green Road, beyond which lies Dodworth Methodist Church and residential properties.</p>

3. ENVIRONMENTAL SETTING

3.1. Introduction

Published environmental, geological and historical data relating to the site has been reviewed. A summary of relevant information is provided below and copies of the Envirocheck report and historical OS maps are enclosed in Appendix B.

3.2. Site History

Table 3.1 presents a summary of the site history, as obtained from historical OS mapping dated 1855 to 2022. It is not the intention of this report to describe in detail all of the changes that have occurred on, or adjacent to the site, only those pertinent to the proposed development.

Table 3.1 Site History as Determined from Historical OS Mapping (All Distances are Approximate)

Map Dates	On-Site Features	Off-Site Features (only features within 500m that may affect the site are listed)
1855	The site is undeveloped. There is an Old Coal Pit in the central part of the site, and a Well close to the western site boundary in the central part of the site.	There is a small, un-named watercourse running along the southern site boundary. A group of buildings named Lambert Fold, and the Travellers Inn, adjoin the site to the west. There is a Coal Pit 150m north-west of the site. There is a Tanyard 200m west of the site, located upon, and upstream of the watercourse running along the southern site boundary.
1893-4	The Old Coal Pit and Well are no longer shown. There is a small watercourse crossing the centre of the site, from	The Coal Pit to the north-west of the site is now labelled as Air Shaft.

Map Dates	On-Site Features	Off-Site Features (only features within 500m that may affect the site are listed)
	NW to SE; the source of the watercourse is c. 15m north-west of the previously shown Well.	
1906-7	The source of the watercourse crossing the centre of the site is labelled as Spring.	No significant changes.
1931-8	No significant changes.	No significant changes.
1948	No significant changes.	No significant changes.
1956	No significant changes.	No significant changes.
1962-6	A house has been built in the north of the site. The watercourse running through the site is labelled as Drain.	A house has been built adjacent to the northern site boundary. The Air Shaft to the north-west of the site is no longer shown.
1971-9	No significant changes.	Housing has been constructed adjacent to the eastern site boundary.
1983-8	The watercourse that crosses the centre of the site is labelled Sinks at the eastern site boundary.	The Tanyard to the west of the site has been replaced by housing.
1990-5	There is a small building in the north of the site.	No significant changes.
2000	No significant changes.	No significant changes.
2022	No significant changes.	No significant changes.

3.3. Published Geological Information

A summary of available published geological information is provided in Table 3.2.

Table 3.2 Geological Summary

Sources of Information	<p>BGS 1:50,000 scale geological map (Sheet 87, Barnsley, Bedrock & Superficial Deposits Edition), 2008.</p> <p>Geological Survey of Great Britain 1:10,000 scale geological map sheets SE30NW and SE30SW, 1980.</p> <p>Geological Survey of England & Wales, Six Inch to One Mile (1:10,560) Scale Map Sheet Yorkshire 274SW, 1933.</p> <p>BGS. 2007. <i>Geology of the Barnsley District; A Brief Explanation of the Geological Map Sheet 87 Barnsley.</i></p> <p>Geological Survey of Great Britain. 1947. <i>Geology of the Country around Barnsley: Explanation of Sheet 87.</i></p> <p>BGS online Geology of Britain viewer & BGS on-line borehole records.</p> <p>CA Interactive Map Viewer.</p> <p>CA Consultants Coal Mining Report (see Appendix C).</p>
Made Ground	<p>None shown to be present on geological mapping; however, due to the history and topography of the site, made ground is considered likely to be present locally.</p>
Drift Geology	<p>The 1:10,000 scale geological map shows a thin area of alluvium along the watercourse that forms the southern site boundary. No other drift deposits are shown in any other part of the site on the geological maps reviewed.</p>

Solid Geology	<p>The geological mapping shows that solid strata at the site dip to the north-east. The closest dip angle reading to the site shown on the geological maps, located c. 400m to the north-west, is 4 degrees.</p> <p>The southern margin of the site is underlain by an un-named sandstone unit of the Pennine Lower Coal Measures Formation (PLCMF). The majority of the site is shown to be underlain by undifferentiated strata of the PLCMF (mainly mudstone, siltstone, sandstone and un-named coal seams).</p> <p>The boundary of the sandstone and undifferentiated strata within the PLCMF is marked by the outcrop of the Flockton Thick Coal seam.</p> <p>The Tankersley Ironstone seam is recorded to outcrop across the central part of the site, within the PLCMF.</p> <p>The Joan Coal is shown to outcrop in the northern margin of the site.</p> <p>The Vanderberckei (Clay Cross) Marine Band is shown to closely overlie the Joan Coal, and is the boundary between the PLCMF and the overlying Pennine Middle Coal Measures Formation (PMCMF), which is shown to underlie the northern margin of the site.</p> <p>No faults are shown to affect the site.</p>
BGS Borehole Records	None are recorded within the site, or within 250m of the site.

<p>Coal and Ironstone Seam Details</p>	<p>The Flockton Thick seam is listed as being 0.84m to 2.9m thick on the 1:10,000 scale geological map. The 2007 geological memoir notes that this seam was historically worked in underground mines.</p> <p>The 1947 geological memoir notes that the Tankersley Ironstone has been much worked along its outcrop, and that the ironstone is contained in three or more courses consisting of bands or layers of nodules in shale, varying from 2ft to 8ft (0.6m – 2.4m) or more.</p> <p>The Joan Coal is listed as being 0.51m to 0.66m thick on the 1:10,000 scale geological map. The 2007 geological memoir notes that this seam was historically worked in underground and opencast mines.</p> <p>The geological maps indicate that the Flockton Thin is the next oldest coal seam beneath the Flockton Thick seam; this is recorded to be 0.31m to 1.96m thick, and lie 22m to 28m beneath the Flockton Thick seam. The 2007 geological memoir notes that this seam was historically worked in underground mines.</p>
<p>Mine Entries</p>	<p>There are two mine entries recorded within the site boundary by the CA. One is a mine shaft in the central part of the site. This is noted to be an entry into mine workings in the Flockton Thick coal seam on the 1:10,000 scale geological map.</p> <p>The second mine entry is shown to be a mine adit, in the south of the site.</p> <p>No further details are given within the Consultants Coal Mining Report, i.e., regarding treatment or conveyancing of the mine entries.</p> <p>There may be other, unrecorded, mine entries within the site and adjoining area, of which the CA have no records.</p>
<p>Recorded Shallow Mine Workings</p>	<p>There are recorded mine workings in the Flockton Thick seam beneath the site within the Consultants Coal Mining Report; these are stated to be 14m below ground level; the seam is said to have been 61cm thick and dipped 4.3 degrees to the north-east, last worked in 1885. Reference to the CA Interactive Map Viewer indicates that these recorded shallow mine workings only affect the northern margin of the site.</p> <p>The Consultants Coal Mining Report also records the presence of a spine roadway (i.e., connecting one or more areas of underground mine workings) at</p>

	shallow depth beneath the site.
Unrecorded Shallow Mine Workings	<p>There are no recorded shallow mine workings in the Tankersley Ironstone or Joan Coal within the Consultants Coal Mining Report. However, there is a note on the 1:10,000 scale geological map on the Tankersley Ironstone outcrop. c. 450m north-east of the site, stating that ironstone pits were formerly seen.</p> <p>The CA Interactive Map Viewer indicates that there are probable shallow coal mine workings beneath the site; in the south, associated with the Flockton Thick coal seam, and in the north, associated with the Joan Coal.</p> <p>It is also considered that there could be unrecorded shallow mine workings in the Tankersley Ironstone seam, which outcrops across the site.</p>
Recorded Deep Mine Workings	<p>There are recorded mine workings beneath the site in four other coal seams, at depths ranging between 52m (Top Fenton seam) and 206m (Whinmoor Coal seam). The last year of working within these seams range between 1880 and 1961.</p> <p>There are no recorded mine workings within the Flockton Thin coal seam beneath the site.</p>
Opencast Mine Workings	<p>No opencast coal mine workings are recorded to affect the site. There is an area of past opencast mine workings located c. 200m to the west of the site; reference to the 1:50,000 scale geological map indicates that these workings were in the Flockton Thick seam.</p>
Quarrying	<p>There are no BGS Recorded Mineral Sites within 250m of the site.</p> <p>Inspection of historical OS mapping does not indicate that the site has been affected by quarrying.</p>

3.4. Hydrology and Hydrogeology

A summary of available information pertaining to hydrology and hydrogeology is presented in Tables 3.3 and 3.4 below.

Table 3.3 Surface Water Features

	Presence/Location	Comments
Classified Watercourses	The closest EA classified watercourse to the site is Dodworth Dyke, located c. 450m to the north-east at its closest point.	The site is located within the 'Dodworth Dyke from Source to River Dove' water body, which was classified by the EA as having Good ecological quality and a chemical quality rating of Fail in the most recent assessment (2019) ¹ .
Unclassified Watercourses (within 500m)	Mapping within the Envirocheck report shows that the two small watercourses within the site meet, c. 240m south-east of the site.	These are un-named tributaries of Dodworth Dyke.
Surface Water Features (Canals, Ponds, Lakes, etc.) (within 250m)	There is a pond 250m south-west of the site, adjacent to Dodworth Green Road.	This is also shown on the earliest OS map.
Licensed Surface Water Abstractions (within 1000m)	None recorded.	
Flood Risk Status	The Envirocheck report indicates that the site lies within Flood Zone 1.	This is the lowest flood risk category within the EA's classification system.

¹ <https://environment.data.gov.uk/catchment-planning/WaterBody/GB104027057520>

Table 3.4 Groundwater Vulnerability, Occurrence and Abstraction

	Presence/location	Comments
Aquifer Classification (Solid Strata)	Secondary A Aquifer.	Secondary A Aquifers are defined by the EA 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.
Source Protection Zones (within 500m)	None recorded.	
Licensed Groundwater Abstractions (within 1000m)	None recorded.	
Groundwater Flooding	The large majority of the site is shown as lying in an area with limited potential for groundwater flooding to occur.	The northernmost tip of the site is shown as being outwith any area with potential for groundwater flooding to occur.
Springs (within 500m)	None shown on recent OS mapping.	A Spring is shown as the source of the small watercourse in the central part of the site on historical OS mapping. However, this area was noted to be heavily vegetated during the walkover survey, and the source of the watercourse was not visible.

3.5. Landfilling and Waste Management

Information on waste management and related activities that could impact upon the site is summarised in Table 3.5.

Table 3.5 Recorded Landfills and Waste Management Activities

	Presence / Location	Comments
Recorded Landfills (within 500m)	There is a small registered historical landfill site, 249m south-east of the site.	This is located at South Street Allotments, where waste was deposited between 1992 and 1993. The authorised wastes were inert / non-hazardous construction waste, soil and subsoil.
	There are two other registered historical landfill sites, c. 400m north of the site.	The first, named Jermyn Croft first accepted waste in 1955 (no waste input end date given); the deposited waste included commercial and household waste. The second, at Dodworth Miners Welfare Sports Ground, accepted waste until 1990 (no first date of waste input given). The authorised wastes were inert soil and subsoil.
Other Licensed Waste Management Facilities (within 250m)	None recorded.	
Evidence of Fly-Tipping on Site?	None noted.	
Ground Gas Risk Assessment Required?	Yes, due to presence of recorded and potential unrecorded coal / ironstone mine workings and mine entries.	

3.6. Radon

The Envirocheck report states that basic radon protection measures are necessary in the construction of new dwellings or extensions at the site.

3.7. Other

Other potentially contaminative activities or environmental constraints identified within the Envirocheck report are listed below. The entries relate to activities within approximately 250m of the site, except for COMAH facilities where the assessment is extended to approximately 1km from the site.

Pollution Incidents to Controlled Waters

One incident is recorded, located 152m west of the site, occurring in 1998. This is recorded as involving pollution of Dodworth Dyke with fire water / foam, and classified as a minor incident.

Contemporary Trade Directory Entries

There are five entries within 250m of the site, the closest being 92m west of the site, for car body repairs, although this is listed as inactive. The only active entry within 250m of the site is for hats and caps manufacturers, located 214m north of the site.

4. PREVIOUS SITE INVESTIGATION REPORT

4.1. Introduction

A site investigation letter report by Lithos Consulting (Lithos), titled, '*Green Road, Dodworth – Adit & Shaft Search*', ref. 005/4273/REG/AP, dated 24th February 2022, was forwarded to Sirius by the Client for review as part of this Preliminary Appraisal.

The report is summarised below; the original document should be referred to for full details.

4.2. Scope of Works

The site investigation comprised three days of excavation with a wheeled backhoe excavator to locate the mine shaft and mine adit that are recorded within the site by the CA.

4.3. Findings

Recorded Mine Adit

The recorded mine adit on the site was successfully located by trial trenching. The National Grid co-ordinates of the adit are recorded within the letter report. The exposed adit was found to be 1.4m wide and at least 1.5m high. The section of the adit exposed was backfilled with clay and tabular sandstone cobbles. The adit was cut into a coal seam, stated to be the Flockton Thick seam in the Lithos report. The coal seam was at least 0.3m thick, and was noted to outcrop directly below the topsoil.

Recorded Mine Shaft

Topsoil, and where present, and made ground, covering an area of 270m² was stripped in order to search for the recorded mine shaft. Although the shaft was not located, evidence of previous coal extraction was noted, in the form of colliery spoil made ground.

The report notes that the majority of the area in which the shaft could theoretically lie was inaccessible, due to this zone including the steep bank to the watercourse crossing the site, land on the northern side of the watercourse, and the terraced garden to the west, and that the shaft may lie within these areas.

4.4. Conclusions and Recommendations

Recorded Mine Adit

The report includes drawings with the site investigation findings superimposed on to a proposed site layout plan, that has been superseded by the proposed site layout plan referenced within this Preliminary Appraisal.

It is stated that the identified mine adit lies below a proposed pumping station; however, the proposed pumping station is no longer shown on the revised proposed site layout plan, and leads towards proposed housing. Recommendations for treatment of the mine adit to facilitate development are given. It is also recommended that any future site investigation should include work to trace the route of the adit, to determine whether precautions in building foundation construction are required.

Recorded Mine Shaft

The report notes that the CA recorded mine shaft, although not located by the site investigation, could lie below proposed houses, and that the CA may impose a no-build zone centred on the shaft's recorded location (the latest site layout plan does not show proposed housing over the recorded mine shaft location).

No specific recommendations for locating the shaft are given, although it is stated that it is expected that treatment of the shaft, if found, would comprise a cap at rockhead, or alternatively, the full depth of shaft backfill could be pressure grouted, and that any proposed treatment of mine entries should be agreed with the CA.

5. PRELIMINARY CONCEPTUAL MODEL

Based on the desk study, a preliminary conceptual site model (PCSM) has been developed for the proposed future development (residential land use with private gardens). This section summarises the understanding of surface and sub-surface features, the potential contaminant sources, transport pathways and receptors in order to assess potential pollutant linkages.

A qualitative risk assessment has also been made of each contaminant linkage, following the methodology described in Appendix D.

The preliminary CSM is presented in schematic form in Drawing No. C9470/03 Rev A, in Appendix A.

In summary, the following potential contaminant linkages have been assessed as posing a potentially unacceptable level of risk (defined as being greater than 'low' risk) in the proposed end-use:

- Inhalation of dust, ingestion and dermal contact with shallow made ground / natural soils potentially contaminated with heavy metals, PAH, localised asbestos and hydrocarbons, posing a **moderate risk** to future site users and construction workers.
- Phytotoxic effects of heavy metals (e.g., copper and zinc) within made ground on planting and landscaping within the proposed development, posing a **low to moderate risk**.
- Migration of hazardous ground gases (e.g., methane and carbon dioxide) into buildings and confined spaces from shallow coal / ironstone workings, followed by explosion, asphyxiation or toxic effects, posing a **moderate to high risk** to future site users and construction workers. Recorded and unrecorded mine entries and fractured / faulted rock could act as preferential pathways for mine gases from mine workings to the surface.

- Migration of radon gas into buildings from natural rocks and soil below the site, posing a **moderate risk** to future residents of new housing and retained existing house.
- Damage to concrete foundations by sulphates and acids within soils, made ground (including colliery spoil) and groundwater, posing a **moderate risk** to the built environment.
- Damage to foundations and buried services due to burning of combustible soils (i.e., coal-rich colliery spoil), posing a **moderate risk** to the built environment.

The above assessment does not include potential asbestos containing materials (ACMs) within the infrastructure of existing buildings on site. These are considered to pose a **low risk** to future residents and construction workers, based on the assumption that a suitable asbestos survey is carried out by a specialist prior to demolition / refurbishment commencing at the site, and that any identified ACMs are appropriately identified and removed.

6. CONCLUSIONS AND RECOMMENDATIONS

6.1. General

It is understood consideration is being given to development of the site for a residential use, comprising construction of 50 No. new houses, and retention of an existing house in the north of the site, as shown on Newett Homes Drawing No. Z087.002 Rev C, dated 12.05.22, a copy of which is included in Appendix A.

No proposed development levels have been received at the time of writing; however, proposed retaining walls are noted at the south of the site on the proposed site layout plan, and given the existing topography, it is envisaged that some earthworks will be required in order to provide suitable development platforms. It is also understood that a ravine crossing the site will be partially filled in, with provision of a new culvert, to facilitate construction of the proposed road through the site.

6.2. Flood Risk

The site is located within Flood Zone 1, i.e., the lowest flood risk category in the EA's classification system. However, as the site is greater than 1 hectare in area, it is likely that a formal Flood Risk Assessment would be required to support a planning application for development of the site.

6.3. Geotechnical

Shallow Coal and Ironstone Mine Workings

Review of information held by the CA has identified that the northern margin of the site (only) is underlain by recorded shallow coal mine workings in the Flockton Thick coal seam. However, the Flockton Thick coal seam is shown on geological mapping to outcrop in the southern part of the site (which has seemingly been proven by the Lithos site investigation), and the CA recorded mine shaft on the site is noted on geological mapping to lead into the Flockton Thick seam, and therefore, unrecorded shallow mine workings within the Flockton Thick seam (including crop working, bell pits and pillar and stall workings) could affect the majority of the site.

Review of geological mapping identifies that the Flockton Thin seam lies c. 22m to 28m below the Flockton Thick seam, and could therefore underlie the site at shallow depth (i.e., <30m bgl). Therefore, any unrecorded shallow mine workings (which may comprise pillar and stall workings, but unlikely to comprise bell pits) in the Flockton Thin seam could also potentially affect surface stability at the site.

Furthermore, geological mapping shows that the Joan Coal seam outcrops in the north of the site, and the Tankersley Ironstone outcrops across the centre of the site, and it is therefore possible that there are unrecorded shallow mine workings (crop workings, bell pits and / or pillar and stall workings) in both of these seams, which could lead to instability at the surface.

Mine Entries

There are two recorded mine entries on the site (a shaft and an adit).

The adit was previously located by Lithos, who gave recommendations for treatment to facilitate development.

The mine shaft was not located by the Lithos site investigation, although the extent of the investigation works undertaken was significantly constrained by site access restrictions. There are no records of the mine shaft having been previously stabilised, and it is therefore considered that the mine shaft could potentially affect the proposed development, including construction of the proposed road and / or houses.

The CA states that construction over, or within the influencing distance of, a mine entry, should be avoided wherever possible². Furthermore, the CA could impose a no-build zone centred on the location of the known mine entries, although there is precedent for construction over mine entries, subject to appropriate investigation of the location and condition of such features, engineer-designed mitigation, and approval of the CA.

2

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/363064/policy-for-building-over-or-within-the-influencing.pdf

Any further site investigation works undertaken prior to development works should include a soil strip within the remaining accessible parts of the potential 'departure' zone (10m search radius), shown on Drawing No. 4273/6 within the Lithos report (currently restricted to the lawn area north of the watercourse).

If the shaft is located, it should be investigated by rotary probing, to determine a suitable means of stabilisation to facilitate proposed development.

Furthermore, given the presence of recorded shallow coal mine workings, and potential presence of unrecorded shallow coal and ironstone mine workings, it is possible that there are other, unrecorded mine entries within the site.

Quarrying

No evidence of surface quarrying at the site or surrounding area is apparent from the desk study information reviewed. However, sandstone is mapped to underlie the southern part of the site, and therefore, the potential for unrecorded, backfilled historical small quarries to be present cannot be entirely ruled out at this stage.

Wells

A historical well is recorded close to the western site boundary in the central part of the site. Comparison of the well's recorded position to the proposed site layout plan indicates that it could affect proposed Plot 8.

The historical well should be located and treated / stabilised in advance of development, although it is possible that the well is currently located within a heavily vegetated area, adjacent to the watercourse. It is possible that there are more, unrecorded wells on the site, which would also require treatment prior to development.

Foundations

The nature and depth of foundations will be dependent on site-specific conditions, including:

- Location, thickness and geotechnical properties of any made ground.

- Bearing capacity of natural strata.
- Presence of shallow mine workings and mine entries.
- Groundwater levels.
- Proximity to existing and proposed trees and shrubs, where potentially shrinkable soils are present.

It is recommended that intrusive site investigation is carried out in order to provide ground profile and geotechnical information, and to determine suitable foundation solutions for the site.

Retaining Walls

It is understood that the existing retaining wall in the centre of the site is to be removed to facilitate development.

Any existing retaining walls that are to be kept following development should be assessed by a suitably qualified structural engineer, taking into account any changes in levels, etc., which may affect them following development.

Any new proposed retaining walls should be designed based on the findings of suitable intrusive site investigation.

It should be noted that both new and existing retaining walls may be affected by shallow mine workings and mine entries, and hence require stabilisation during development works.

Slope Stability

A review of potential slope instability issues should be undertaken once proposed development levels have been confirmed. This may determine that quantitative slope stability analysis is required for existing and proposed slopes within the development.

6.4. Contamination Constraints

Risk Evaluation for the Proposed Land Use (Residential with Plant Uptake)

The preliminary conceptual site model indicates that pollutant linkages are possible to a variety of receptors, primarily human health. Potential heavy metals, organic contaminants and asbestos fibres in made ground and shallow soils may pose a potential risk to the human health via ingestion, inhalation and dermal pathways. Risks related to these potential linkages are currently given a qualitative assessment of 'moderate'. The nature of the risks should be investigated further through site investigation, sampling, analysis and generic quantitative risk assessment.

6.5. Ground Gas

Based on the ground conditions identified on published geological mapping, and the history of the site and surrounding land, it is considered that there is potential for ground gas generation and accumulation to occur as a result of the presence of recorded shallow coal mine workings and potential unrecorded shallow coal and ironstone workings below the site, with migration pathways such as recorded and unrecorded mine entries and fractured / jointed rock acting as migration pathways to the surface. In addition, any localised areas of deep made ground on the site could act as a source of hazardous ground gases. Risks related to these potential linkages are currently given a qualitative assessment of 'moderate to high'.

The nature of these risks to the proposed new buildings should be investigated further through site investigation, installation of gas monitoring wells, gas monitoring and risk assessment.

The nature of these risks to the retained house in the north of the site should be assessed by gas monitoring within the sub-floor void and / or within the house.

6.6. Radon

According to the Envirocheck report, basic protective measures are required for the site.

The newly constructed houses should be provided with basic radon protection measures, in accordance with BRE Report BR211³.

It is recommended that a property-specific Radon Report is obtained from the BGS for the existing house that is to be retained. Dependent on the findings of the report, passive radon monitoring may be required within the existing house, to determine the risk to future residents from radon, and hence whether radon risk mitigation measures should be installed.

6.7. Invasive Plants

It is recommended that the presence / absence of invasive plant species is confirmed by a qualified consultant ecologist and their advice taken on appropriate treatment. The treatment of any invasive species should take place in advance of the proposed construction works.

³ Scivyer, C. 2015. *Radon: Guidance on Protective Measures for New Buildings (Including Supplementary Advice for Extensions, Conversions and Refurbishment Projects)*. HIS BRE Press, Bracknell.

7. FURTHER INVESTIGATION

The following ground investigation works should be undertaken to confirm ground conditions and determination of geotechnical and contamination constraints:

- Trial pits and window sampling to investigate near-surface soil and groundwater conditions and to allow recovery of soil samples for testing.
- Rotary openhole probe drilling to determine the depth and thickness of coal / ironstone seams and any mine workings at shallow depth below the site. A search of the CA Mine Abandonment Plan Catalogue should be undertaken to aid design of the probing.
- Installation of ground gas monitoring wells in selected window sampler and rotary boreholes.
- Trial trenching to expose the recorded mine shaft on the site (within accessible areas of the potential 'departure' zone), followed by rotary probe drilling to determine the depth and nature of fill within the shaft.
- Trial trenching to expose the recorded historical well on the site (if accessible).
- Chemical and geotechnical laboratory testing to adequately categorise shallow soils and groundwater.
- A programme of ground gas monitoring, within boreholes, and within the existing house that is to be retained.
- Obtain BGS Radon Report for the existing house that is to be retained. Depending on the findings, this may necessitate passive radon monitoring.
- Reporting.

Subject to the findings of the rotary probing, trial pitting and window sampling, consideration should be given to a limited soil strip to determine whether bell pits are present.

Intrusive ground investigation works should be undertaken by a suitably qualified geoenvironmental consultant.

An asbestos survey of the existing buildings should be completed by an appropriately qualified consultant prior to any demolition / refurbishment works being undertaken on them.



APPENDIX A
DRAWINGS



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NOTES

 Site Location

REVISION

D	For Information
A	>>
B	>>
C	>>
D	>>

CLIENT
Newett Homes Ltd

DRAWING NO.
C9470/01

REVISION NO.
0

SITE
Land off Dodworth Green Road, Dodworth, Barnsley

DRAWN BY
MF

APPROVED BY
AMG

SIRIUS
GEOTECHNICAL LTD
4245 Park Approach
Thorpe Park
Leeds
LS5 8GB
www.thesiriusgroup.com
TEL: 0113 264 9960

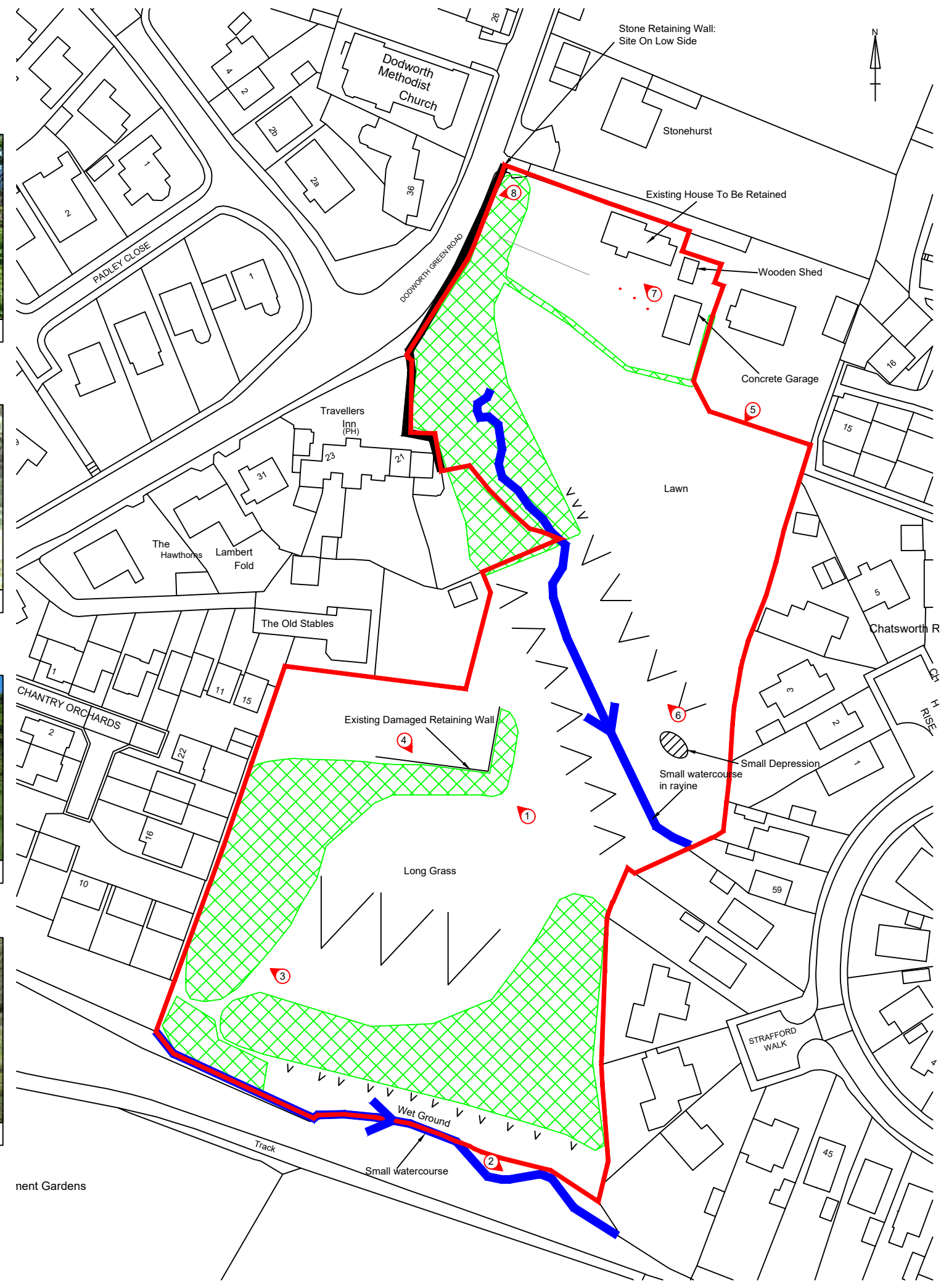


DRAWING TITLE
Site Location Plan

DATE
May 2022

SCALE
1:25,000

A4



1. Damaged Retaining Wall



2. Small Watercourse Along Southern Boundary



3. Vegetation in South of Site. Wall to Adjoining Existing House Forms Site Boundary.



4. General View of South of Site



5. Gently Sloping Lawn Area in North



6. Break in Slope Down to Watercourse



7. Existing House to be Retained



8. Stone Retaining Wall to Dodworth Green Road

- NOTES**
- Site Boundary
 - Dense Vegetation / Wooded Areas
 - Photo Location and Direction

REVISION	BY	DATE
0	For Information	MF 24/05/22
A	Site boundary and caption for retained house amended.	AMG 26/05/22
B	>>	>> >>
C	>>	>> >>
D	>>	>> >>

SIRIUS
 GEOTECHNICAL LTD
 4245 Park Approach
 Thorpe Park
 Leeds
 LS5 8GB
www.thesiriusgroup.com
 TEL: 0113 264 9960

CLIENT

Newett Homes Ltd

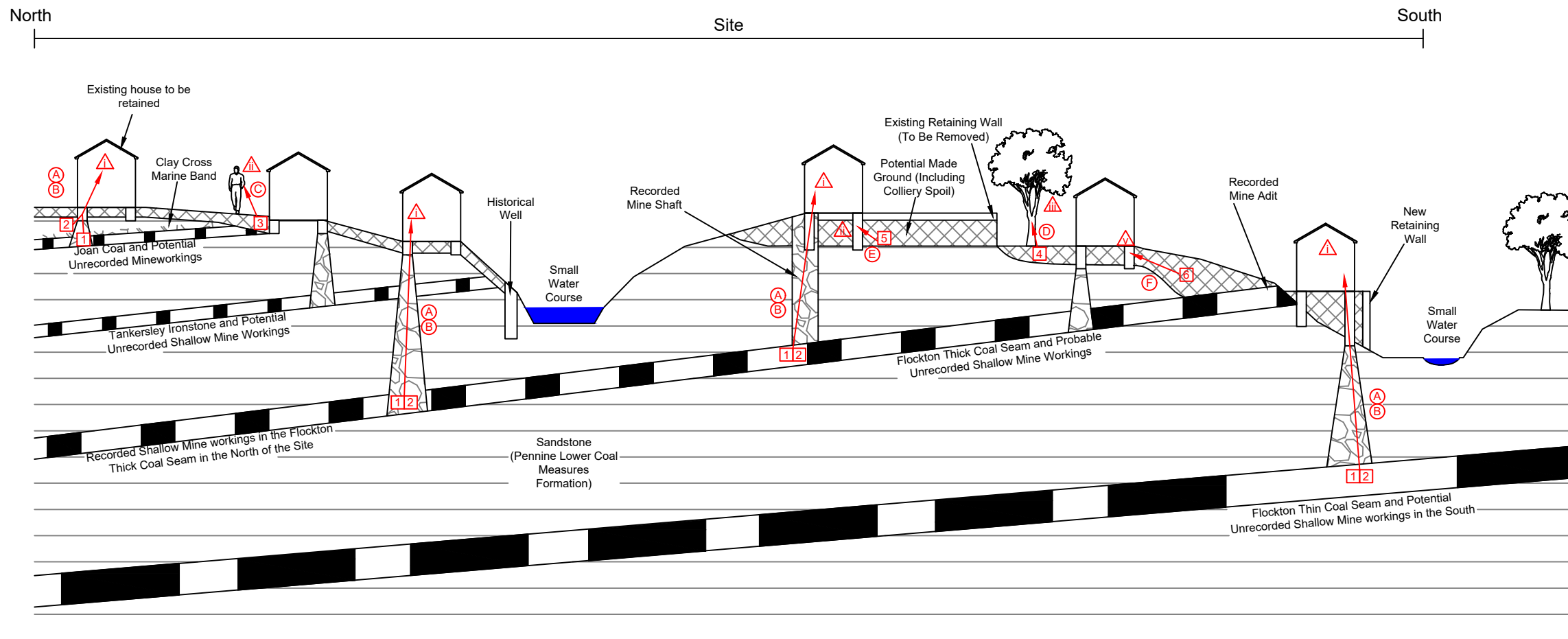
SITE

**Land off Dodworth Green Road,
 Dodworth, Barnsley**

DRAWING TITLE

Site Features Plan

DRAWING NO. C9470/02	REVISION NO. A
DRAWN BY MF	APPROVED BY AMG
DATE May 2022	SCALE NTS
	PAPER SIZE A3



NOTES

REVISION	BY	DATE
0	For Information	MF 23/05/22
A	Note on retained house amended	AMG 26/05/22
B	>>	>> >>
C	>>	>> >>
D	>>	>> >>

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 Thorpe Park,
 Leeds
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 FAX: 0113 264 9962



CLIENT

Newett Homes Ltd

SITE

**Land off Dodworth Road,
 Dodworth**

DRAWING TITLE

**Preliminary Conceptual
 Site Model**

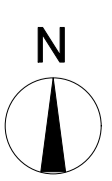
DRAWING NO. C9470/03	REVISION NO. A
DRAWN BY MF	APPROVED BY AMG
DATE May 2022	SCALE NTS
	PAPER SIZE A3

Potential Contaminant Source	Potential Migration Pathway	Potential Receptor	Risk of Significant Contaminant Linkage
1. Hazardous ground gases generated / accumulated within coal / ironstone mine workings.	A. Upward / lateral migration of gases into buildings via fractured / jointed rock, mine shafts, bell pits, crownholes and permeable soils followed by inhalation and / or methane explosion.	i) New / retained housing and occupants. Construction workers within excavations.	Moderate to high.
2. Radon generated by natural geological strata.	B. Upward / lateral migration of gas into buildings via fractured / jointed rock, mine shafts, bell pits, crownholes and permeable soils followed by inhalation.	i) New / retained housing and occupants.	Moderate.
3. Elevated concentrations of inorganic and organic contaminants, asbestos, acids and alkalis within made ground / topsoil.	C. Exposure via dermal, soil and homegrown produce ingestion, dust inhalation and ingestion pathways.	ii) Future residents and construction workers.	Moderate.
4. Phytotoxic contaminants within made ground / topsoil.	D. Root uptake.	iii) New planting within proposed garden and landscaped areas.	Low to Moderate.
5. Elevated sulphates and low pH within made ground / Coal Measures soils / groundwater.	E. Damage to concrete through sulphate / acid attack.	iv) Foundations to new buildings and structures.	Moderate.
6. Combustible made ground (including colliery spoil).	F. Damage to buried structures / services from burning of combustible material.	v) Buried structures and services.	Moderate.

ACCOMMODATION SCHEDULE

House type	Bed	Storey Height	Number	2 Bed %	
N201	2	2	4	8%	
Total			4	8%	
House type	Bed	Storey Height	Number	3 Bed %	
N302	3	2	2		
N303A	3	2	7		
N305	3	2	3		
SL03 ALT	3	3	2		
N306	3	2	4		
N308	3	2	4		
N313	3	2.5	13		
Total			37	74%	
House type	Bed	Storey Height	Number	4 Bed %	
N400	4	2.5	2		
N402	4	2	1		
N403B	4	2	1		
N404	4	2	3		
N406	4	2	1		
Total			8	16%	
House type	Bed	Arrangement	Storey Height	Number	2 Bed %
N503	5	Detached integral	2	1	2%
Total			1	2%	
Sub-total			50	100%	
GRAND TOTAL:			Number	SCPI	
			50		

- Key**
- Site Location
 - Proposed dwelling
 - Category A Tree
 - Category B Tree
 - Category C Tree
 - Root Protection Area
 - Mine Adit
 - Existing Building to be retained
 - Listed Building



Drawing Title
Planning Layout
 Site
Land off Green Road, Dodworth

Thorpe Arch Grange
 Walton Road
 Thorp Arch
 LS23 7BA

01937 543599
 www.newetthomes.co.uk



Scale @ A2	1:500	Date	12/05/22
Drawn	MC	Checked	WN
Drawing No.	Z087.002	Rev.	C



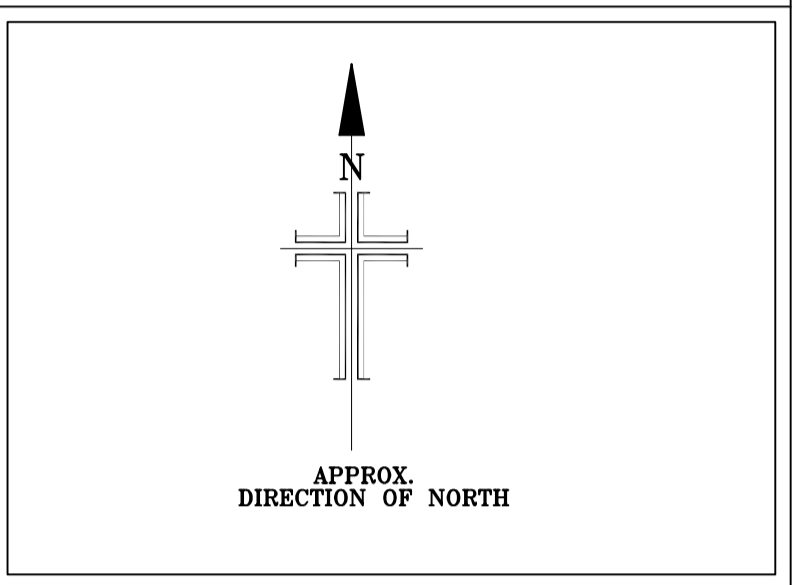
SURVEY NOTES

© This survey is copyright and must not be used/copied without written permission.

GRID Local Plane Metric
Aligned North.

LEVELS Metric Relative to Ordnance Datum, Newlyn

BENCH MARK Located on Travellers Inn, 131.68m A.O.D.



- KEY**
- BH Borehole
 - BM Bench Mark
 - EP Electricity Pole
 - FH Fire Hydrant
 - FHS Fire Hydrant Sign
 - GAS Gas Valve
 - G Gully
 - GP Gate Post
 - IC Inspection Cover
 - IL Invert Level
 - KD Kerb Outlet
 - LP Lamppost
 - MH Manhole
 - STN Survey Station
 - SV Stop Valve
 - SVP Soil and Vent Pipe
 - TP Telegraph Pole
 - W Top of Wall Level
 - WM Water Meter
- Top of Batter
 - Bottom of Batter
 - Edge (General)
 - Fenceline
 - Tree Canopy Line
 - Edge of Planting
 - Overhead Cables

PROJECT TITLE
**GREEN ROAD
DODWORTH**

DRAWING TITLE
**TOPOGRAPHICAL
SURVEY**

STATION SCHEDULE

NAME	EASTING	NORTHING	LEVEL	DESC.
S1	1000.000	2000.000	132.597	ROAD NAIL
S2	1020.261	2050.147	133.209	ROAD NAIL
S3	917.571	1945.020	132.193	ROAD NAIL

benchmark
LAND SURVEYS

7 Blenheim Terrace Leeds LS2 9HZ Tel 0113 2268 666 Fax 0113 2260 658

FILE NAME	SCALE
2005	1:500 at A1
DRAWN DATE	CHECKED DATE
DK 22/11/05	GC 22/11/05
DRAWING REVISION	DATE
BM2005/01	



APPENDIX B

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

1:10,000 Raster Mapping

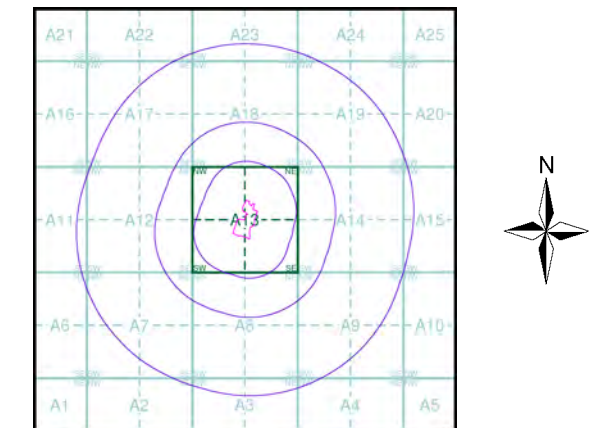
- Gravel Pit
- Rock
- Boulders
- Shingle
- Sand
- Slopes
- General detail
- Overhead detail
- Multi-track railway
- County boundary (England only)
- District, Unitary, Metropolitan, London Borough boundary
- Area of wooded vegetation
- Non-coniferous trees (scattered)
- Coniferous trees (scattered)
-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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1855	2
Yorkshire	1:10,560	1894	3
Yorkshire	1:10,560	1907	4
Yorkshire	1:10,560	1932 - 1933	5
Yorkshire	1:10,560	1938	6
Yorkshire	1:10,560	1938 - 1948	7
Yorkshire	1:10,560	1948	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1965 - 1966	10
Ordnance Survey Plan	1:10,000	1973 - 1978	11
Ordnance Survey Plan	1:10,000	1983	12
Ordnance Survey Plan	1:10,000	1993	13
10K Raster Mapping	1:10,000	2000	14
Street View	Variable		15

Historical Map - Slice A



Order Details

Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

Dodworth Green Road, Dodworth, BARNSELY, S75 3RR



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



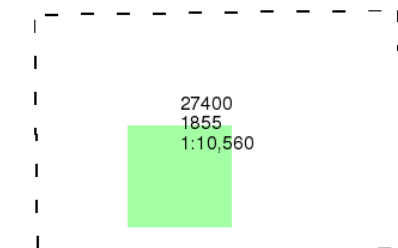
Yorkshire

Published 1855

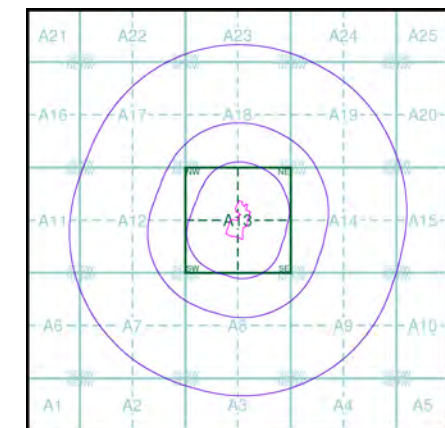
Source map scale - 1:10,560

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)



Historical Map - Slice A



Order Details

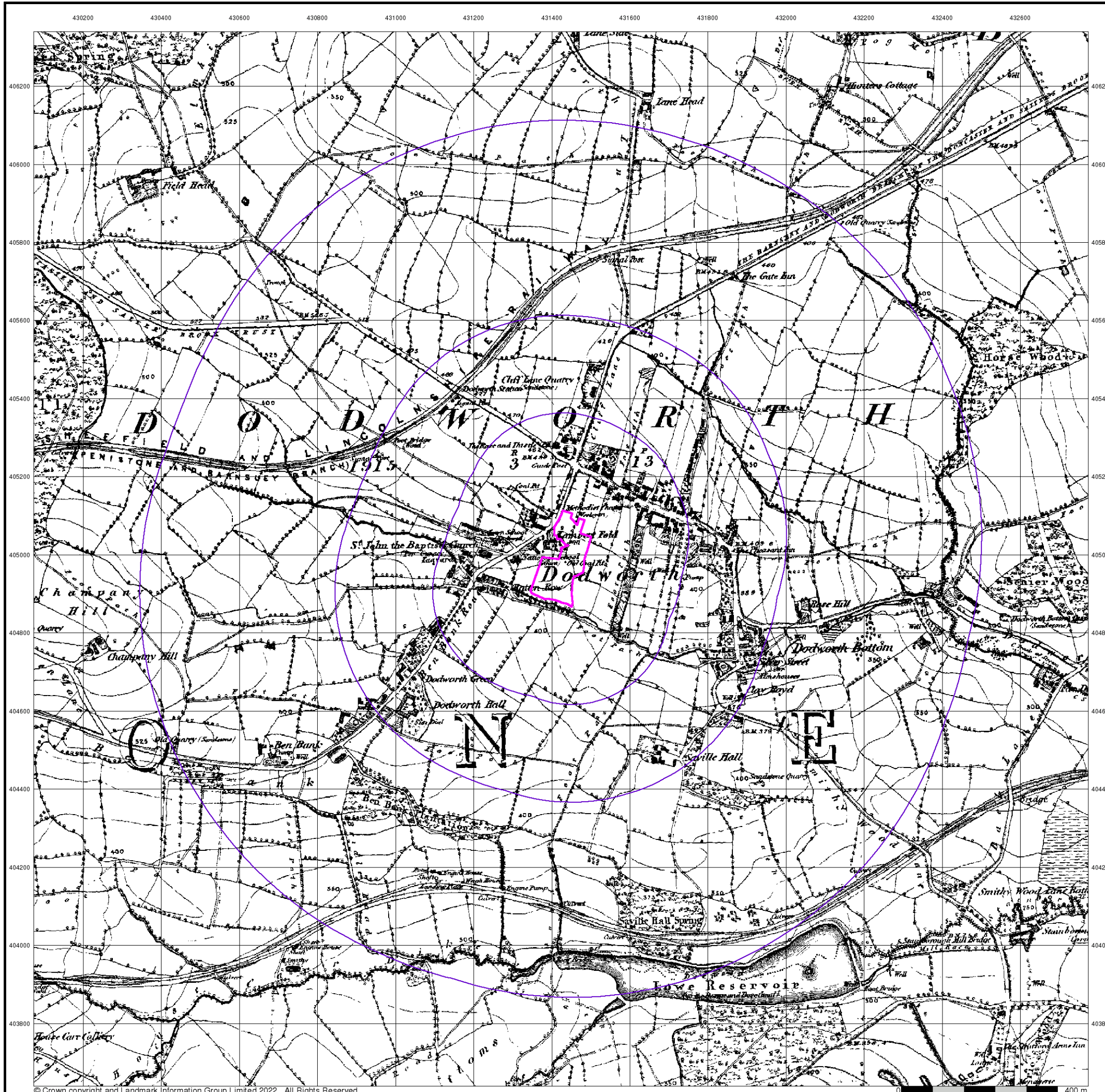
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Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
Site Area (Ha): 1.87
Search Buffer (m): 1000

Site Details

Dodworth Green Road, Dodworth, BARNSELY, S75 3RR



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





Yorkshire

Published 1894

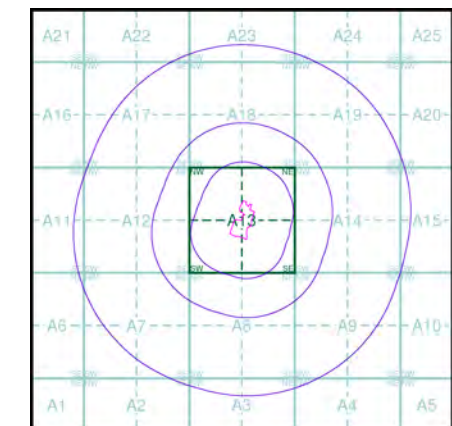
Source map scale - 1:10,560

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)

274NW 1894 1:10,560	274NE 1894 1:10,560
274SW 1894 1:10,560	274SE 1894 1:10,560

Historical Map - Slice A



Order Details

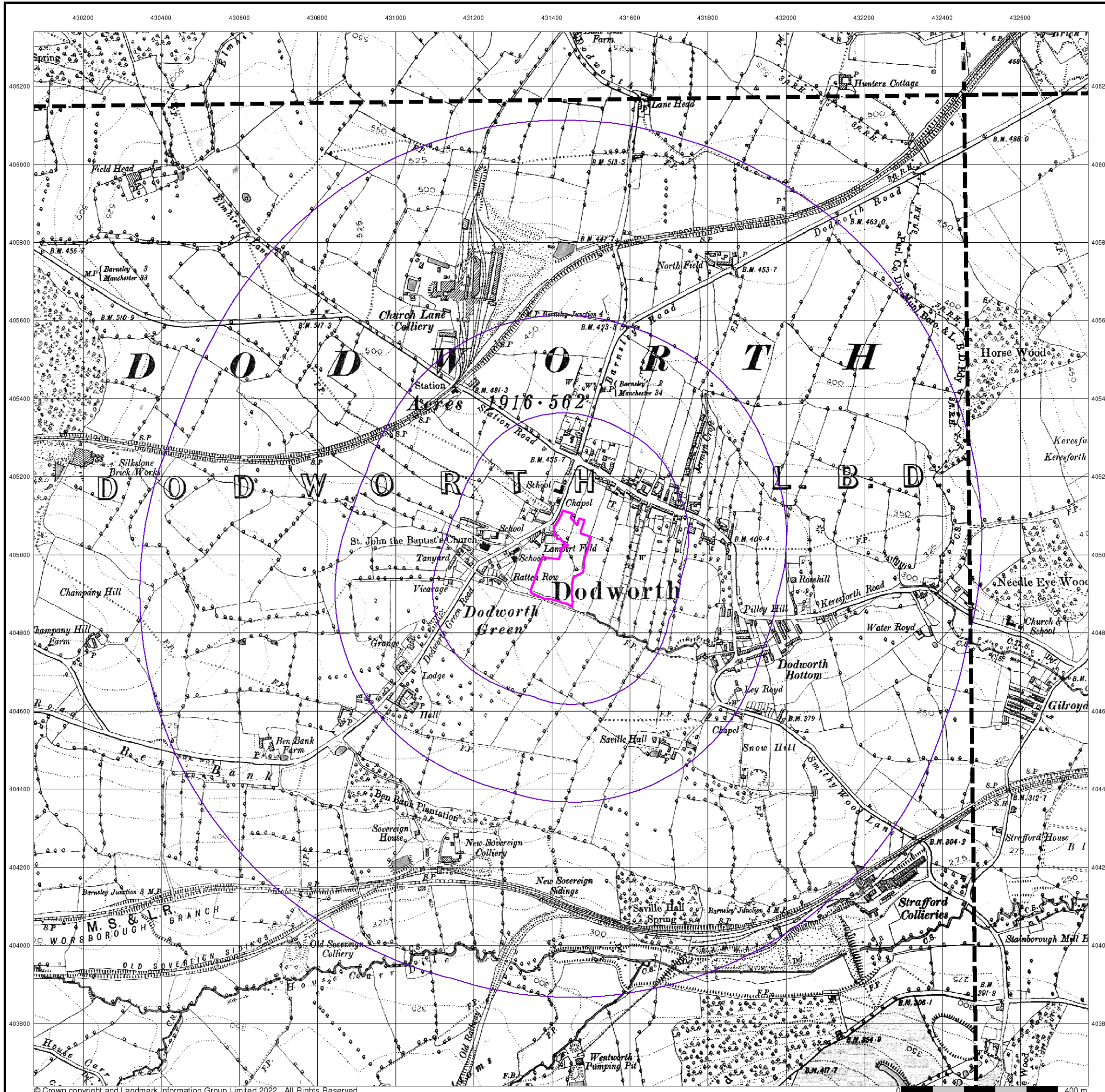
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1907

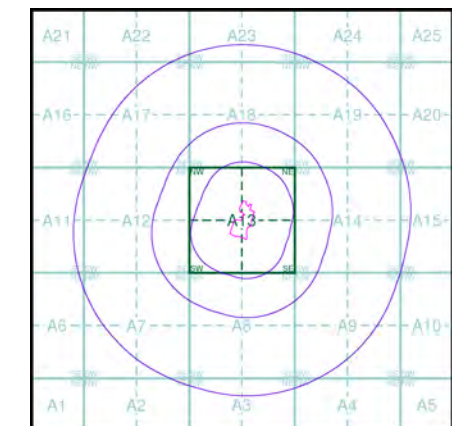
Source map scale - 1:10,560

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)

274NW 1907 1:10,560	274NE 1907 1:10,560
274SW 1907 1:10,560	274SE 1907 1:10,560

Historical Map - Slice A



Order Details

Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

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Yorkshire

Published 1932 - 1933

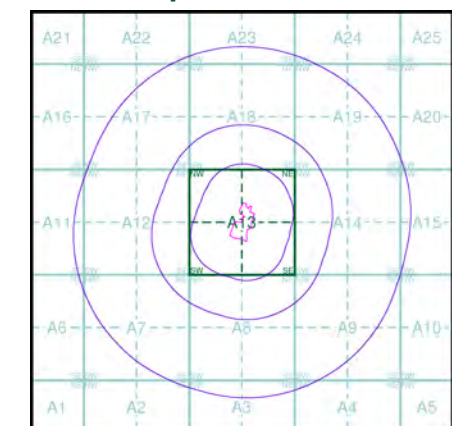
Source map scale - 1:10,560

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)

274NW 1933 1:10,560	274NE 1932 1:10,560
274SW 1933 1:10,560	274SE 1932 1:10,560

Historical Map - Slice A



Order Details

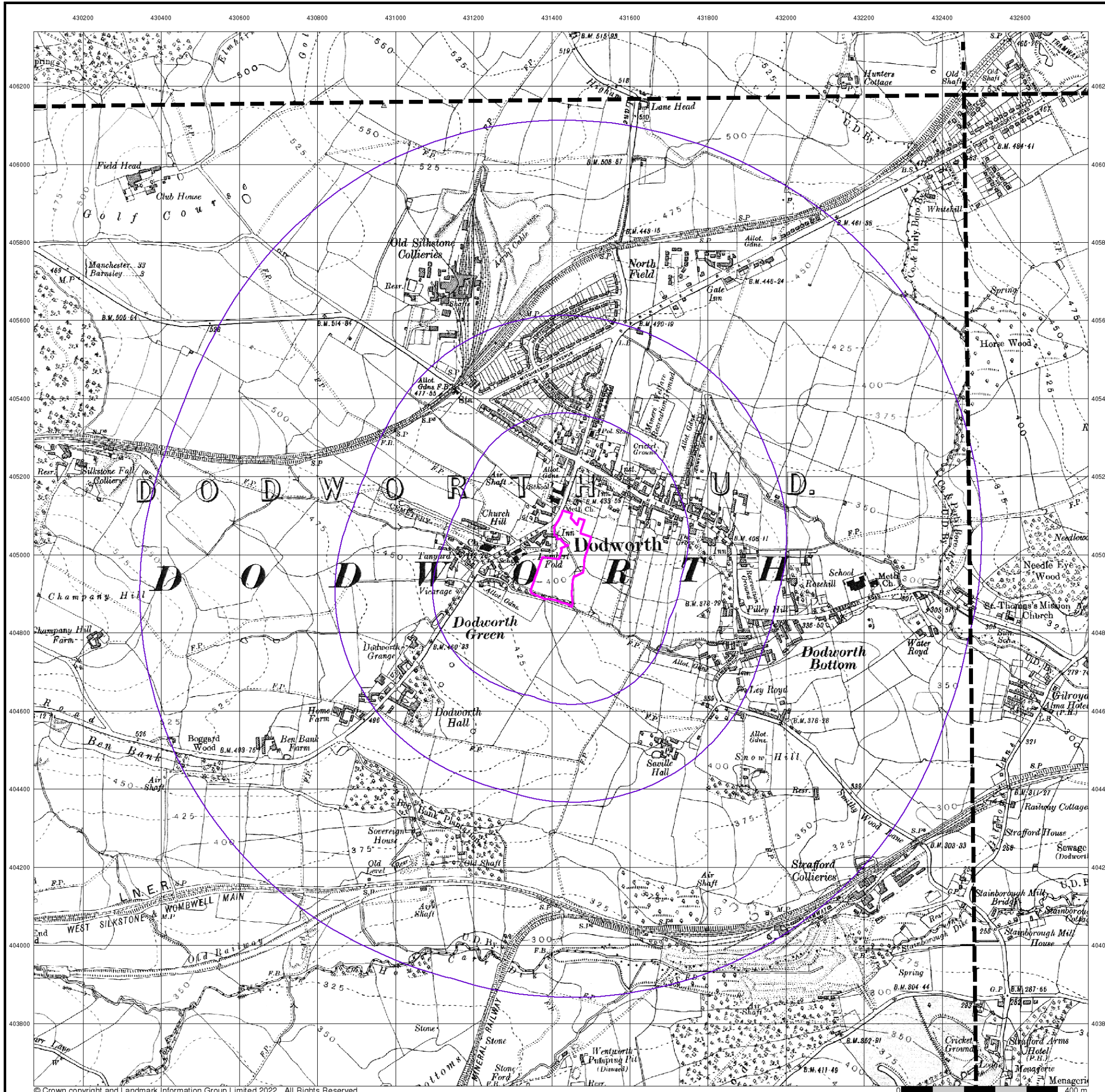
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

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Yorkshire

Published 1938

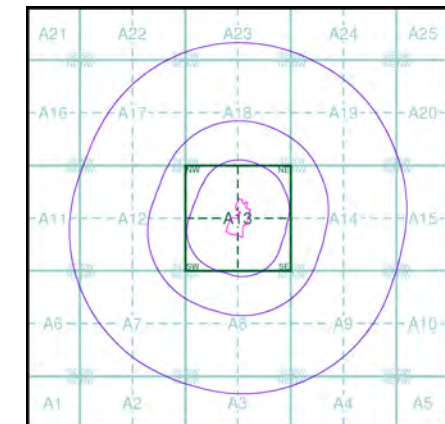
Source map scale - 1:10,560

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)

274NW 1938 1:10,560	274NE 1938 1:10,560
274SW 1938 1:10,560	274SE 1938 1:10,560

Historical Map - Slice A



Order Details

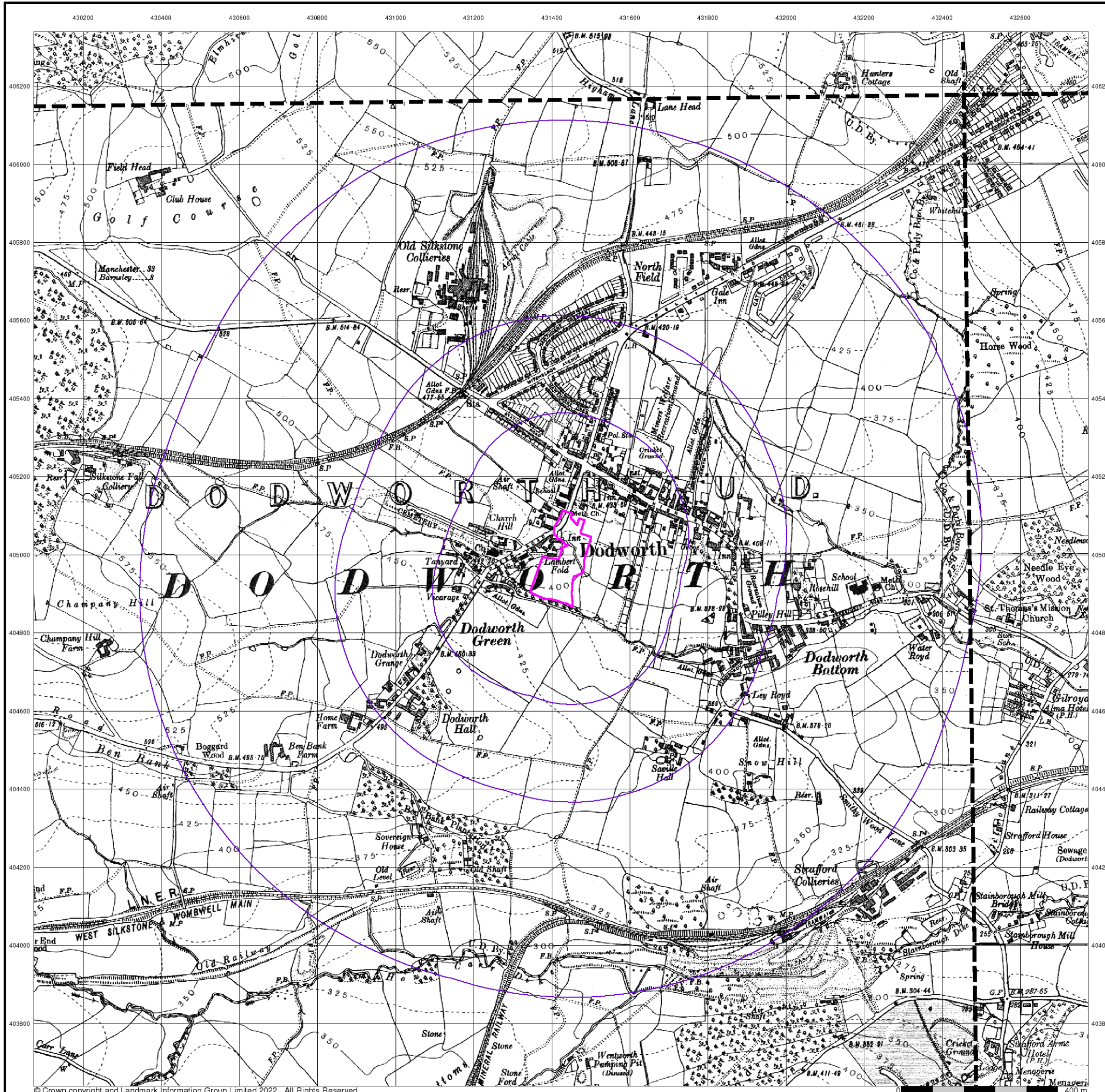
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

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Yorkshire

Published 1938 - 1948

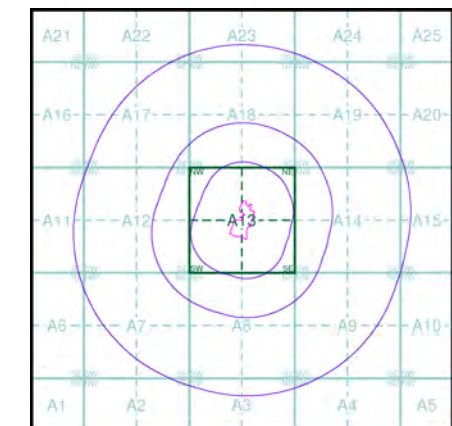
Source map scale - 1:10,560

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)

274NW 1938 1:10,560	274NE 1948 1:10,560
274SW 1938 1:10,560	274SE 1948 1:10,560

Historical Map - Slice A



Order Details

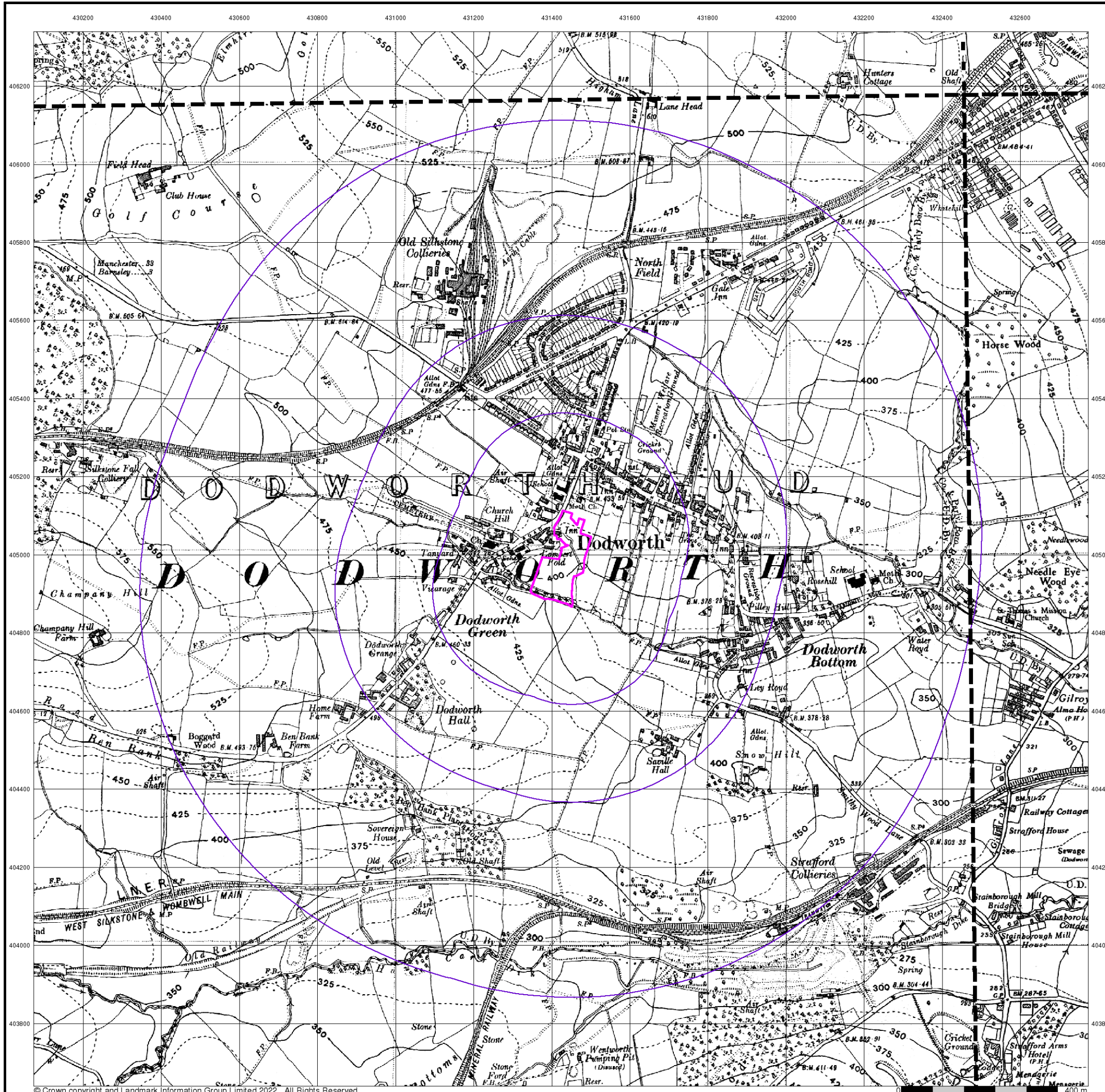
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

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Yorkshire

Published 1948

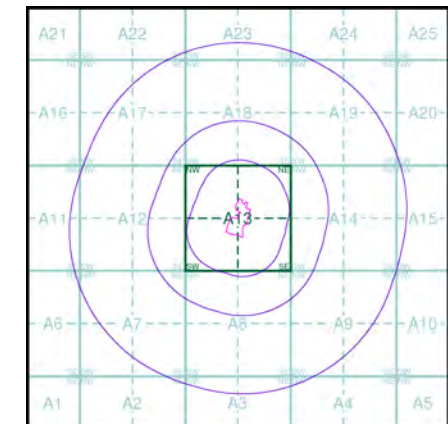
Source map scale - 1:10,560

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)

274NW	1948	1:10,560
274SW	1948	1:10,560

Historical Map - Slice A



Order Details

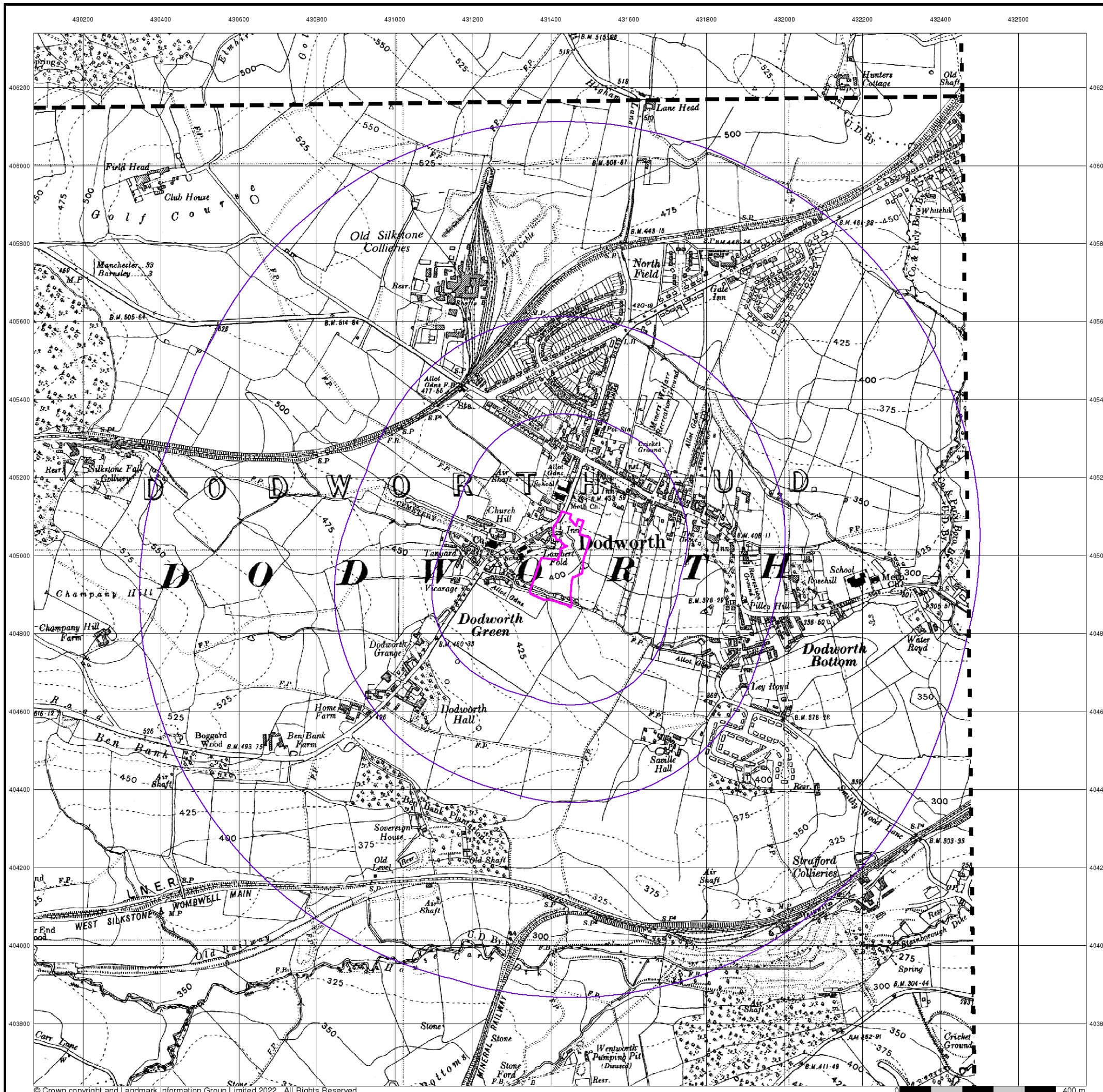
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1956

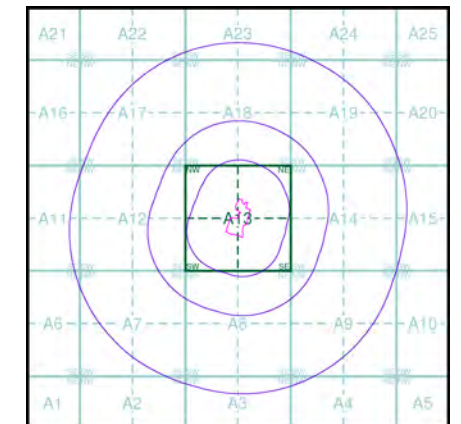
Source map scale - 1:10,000

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)

SE30NW	1956
1:10,560	
SE30SW	1956
1:10,560	

Historical Map - Slice A



Order Details

Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Published 1965 - 1966

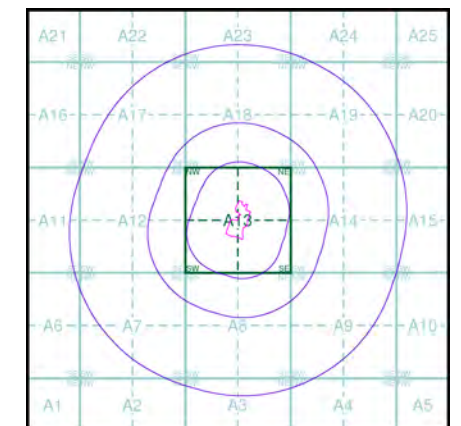
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE30NW	1966
1:10,560	
SE30SW	1965
1:10,560	

Historical Map - Slice A



Order Details

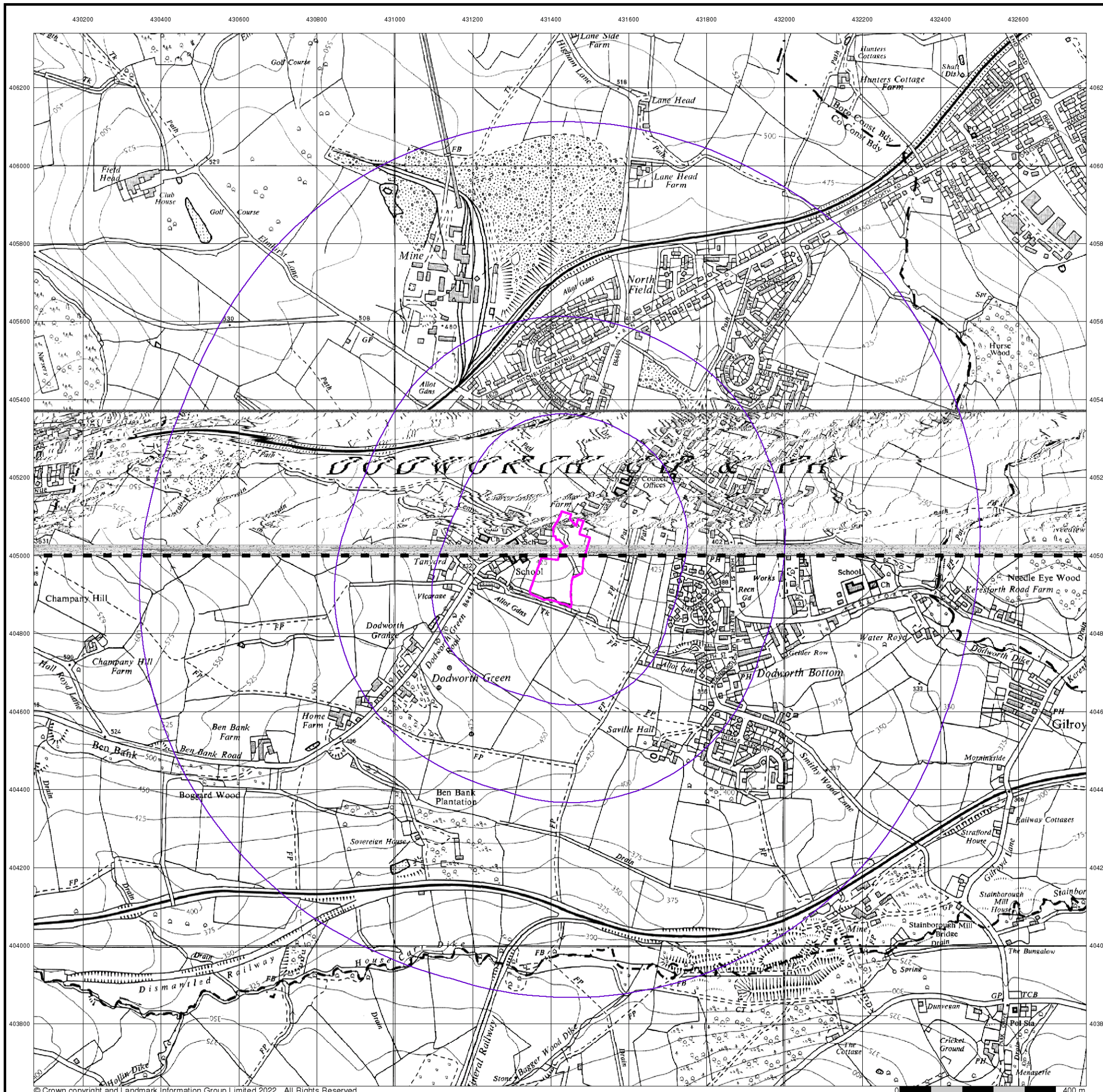
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

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Ordnance Survey Plan

Published 1973 - 1978

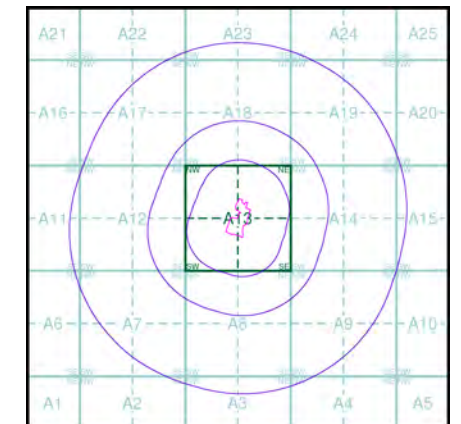
Source map scale - 1:10,000

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)

SE30NW	1973	1:10,000
SE30SW	1978	1:10,000

Historical Map - Slice A



Order Details

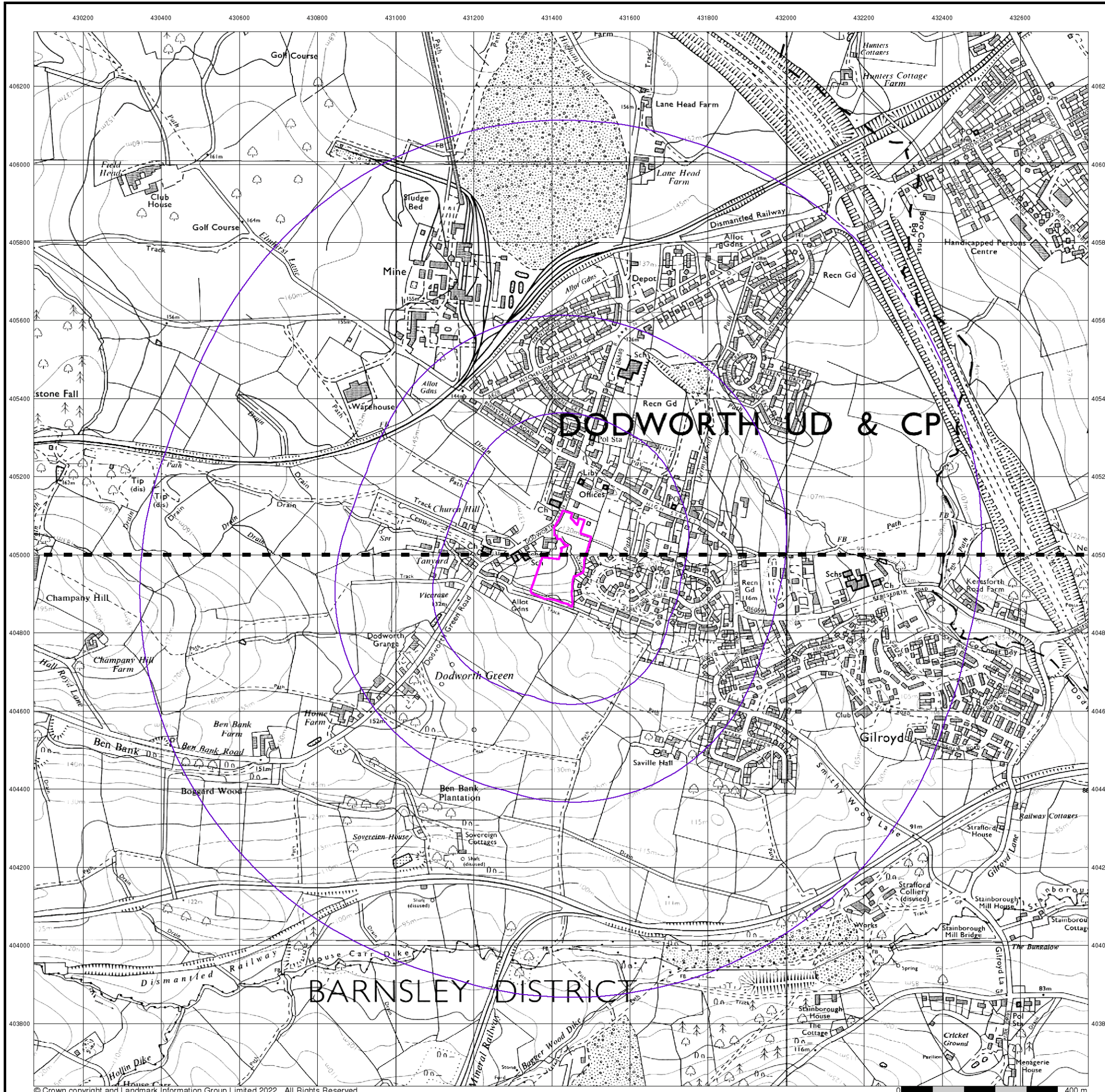
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
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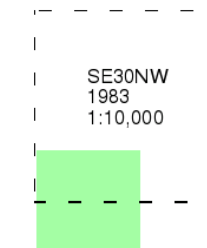
Ordnance Survey Plan

Published 1983

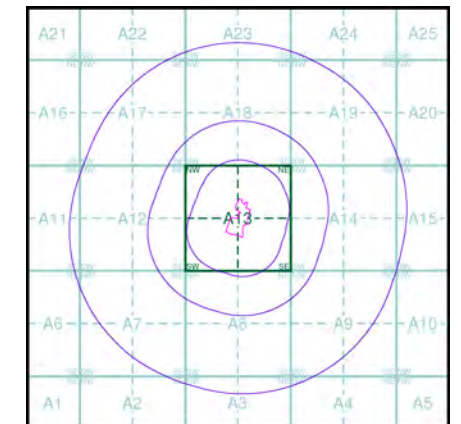
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

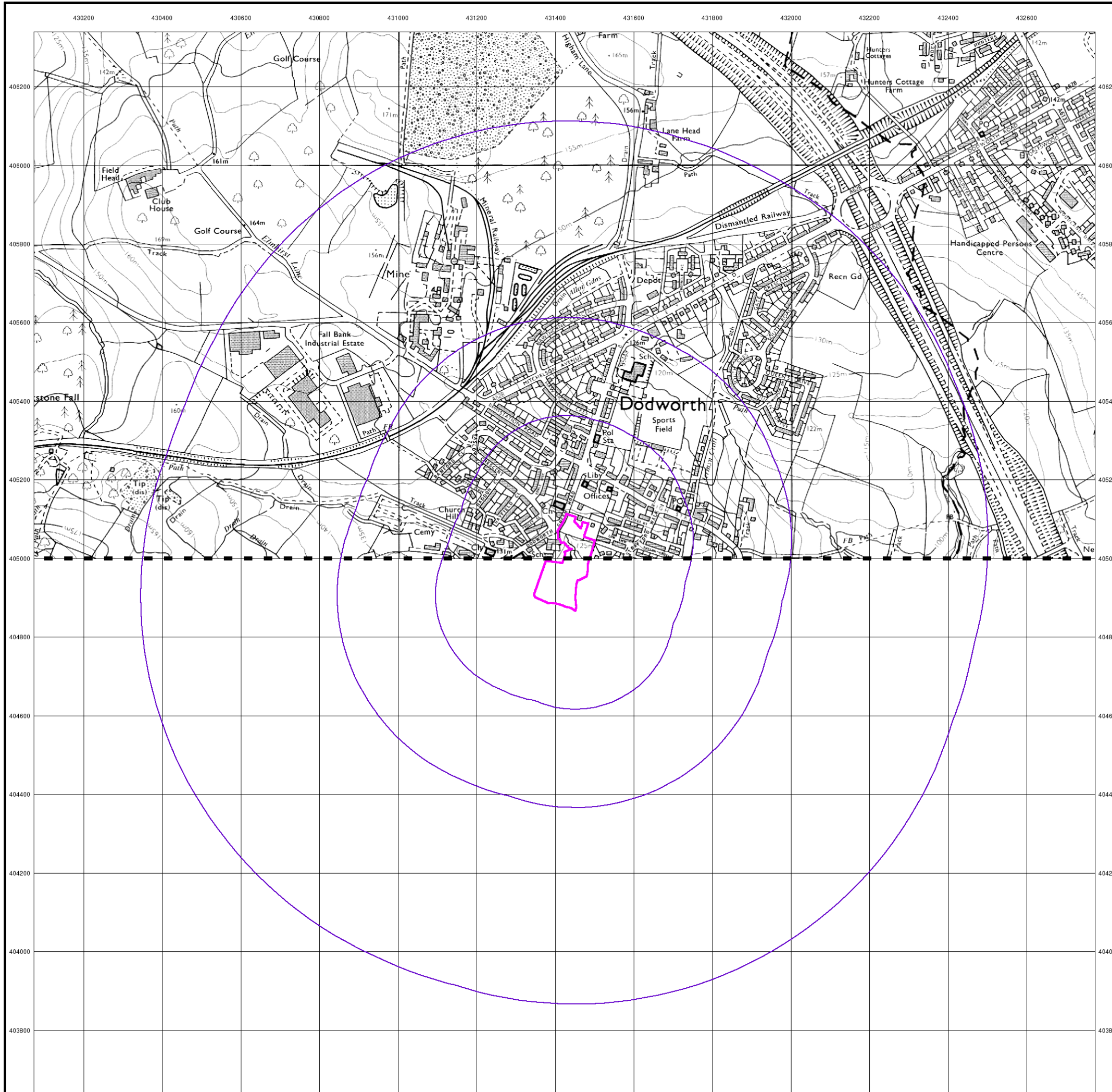
Order Number: 295530263_1_1
Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
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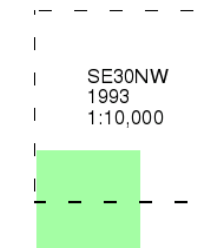
Ordnance Survey Plan

Published 1993

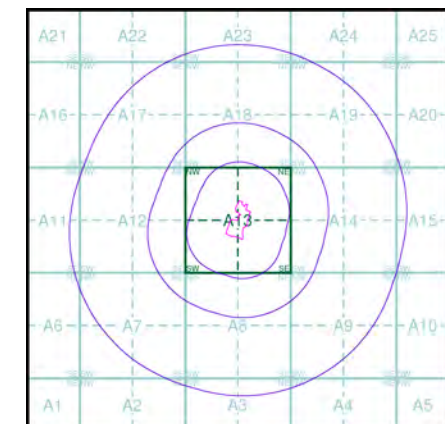
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

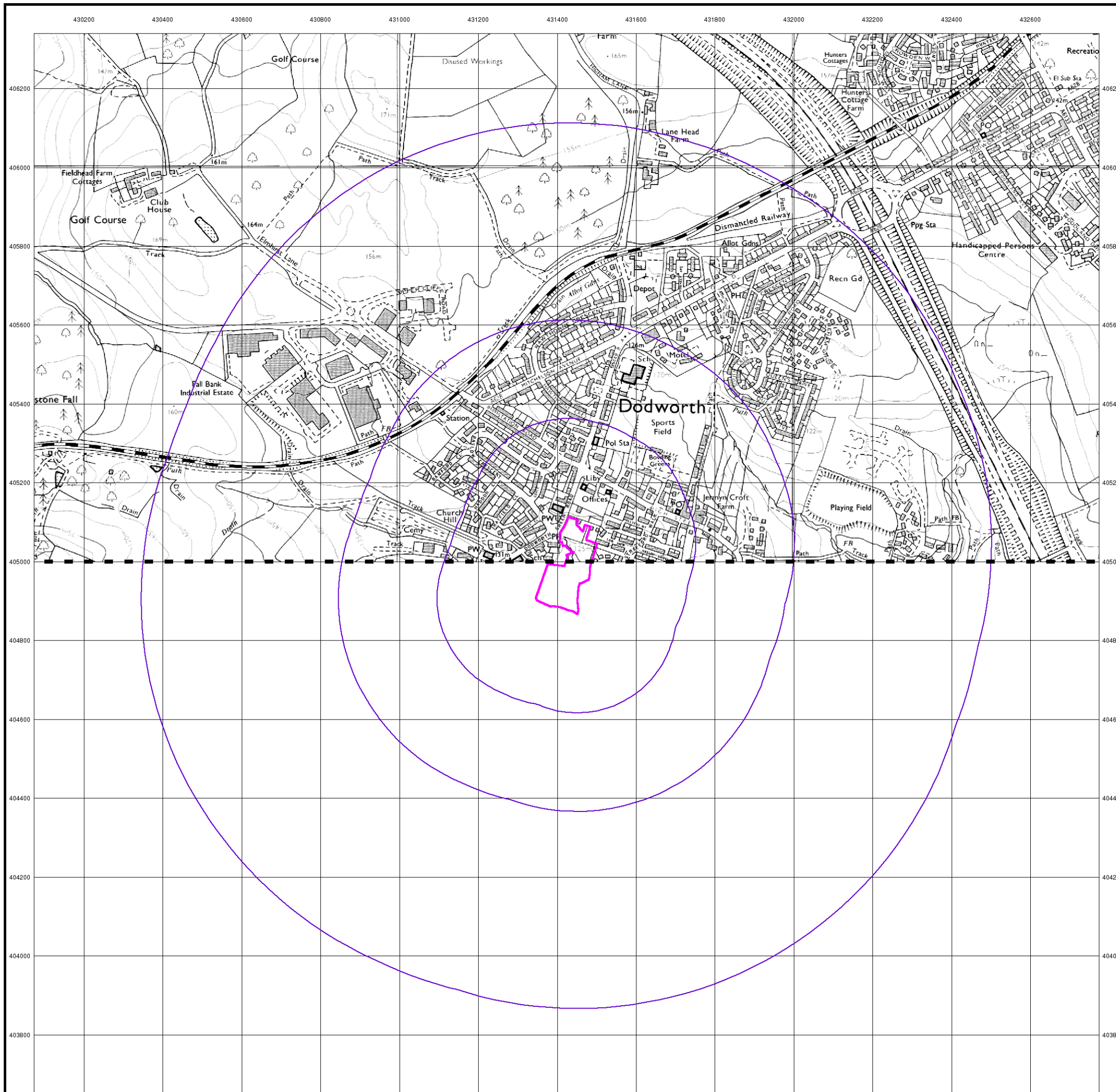
Order Number: 295530263_1_1
Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
Site Area (Ha): 1.87
Search Buffer (m): 1000

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10k Raster Mapping

Published 2000

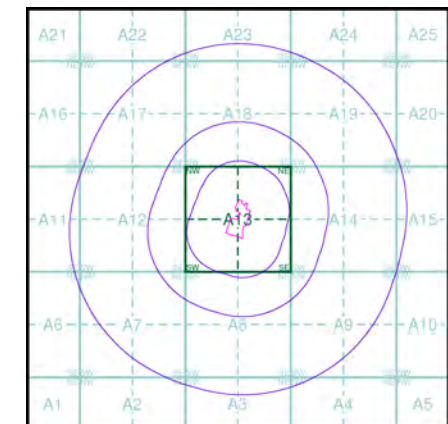
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE30NW	2000
1:10,000	
SE30SW	2000
1:10,000	

Historical Map - Slice A



Order Details

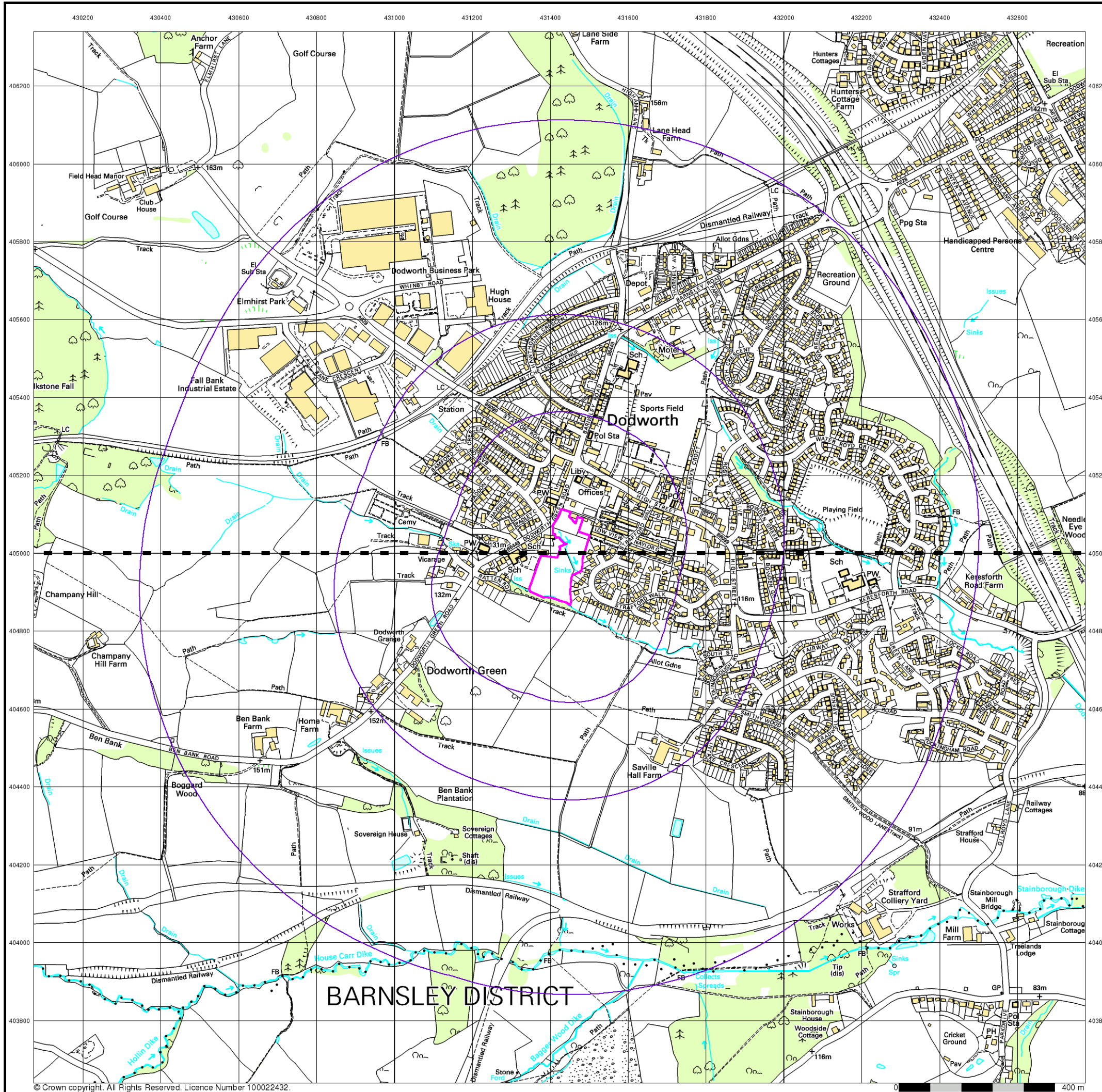
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

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Street View

Published 2022

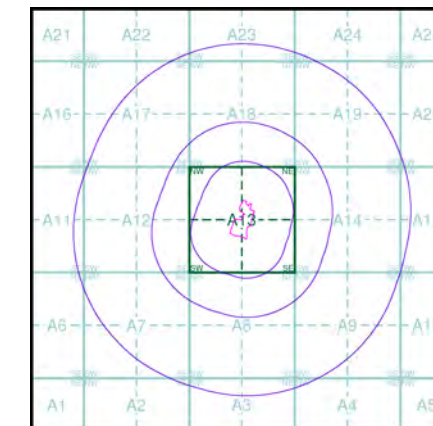
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

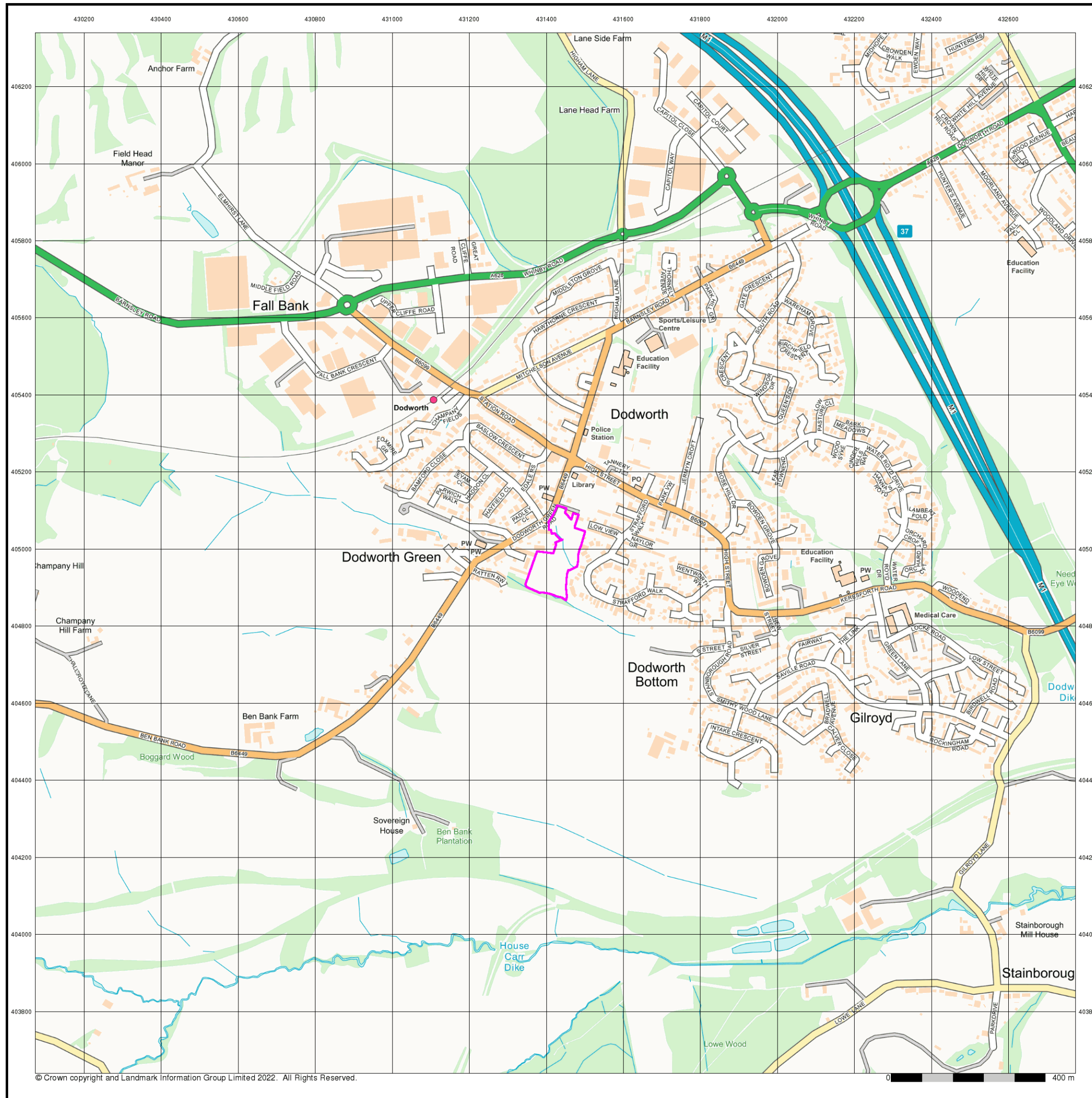
Order Number:	295530263_1_1
Customer Ref:	C9470
National Grid Reference:	431430, 404980
Slice:	A
Site Area (Ha):	1.87
Search Buffer (m):	1000

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Historical Mapping Legends

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

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

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

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

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

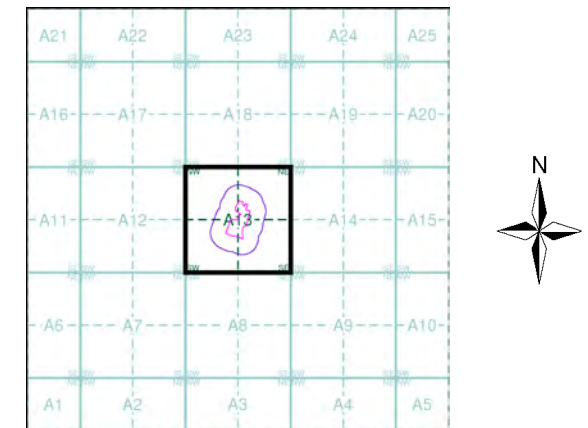
Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds**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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1893	2
Yorkshire	1:2,500	1906	3
Yorkshire	1:2,500	1931	4
Ordnance Survey Plan	1:2,500	1962	5
Ordnance Survey Plan	1:2,500	1971	6
Ordnance Survey Plan	1:1,250	1979	7
Additional SIMs	1:2,500	1985	8
Additional SIMs	1:2,500	1988	9
Additional SIMs	1:1,250	1990 - 1991	10
Additional SIMs	1:1,250	1991	11
Large-Scale National Grid Data	1:1,250	1993 - 1995	12
Large-Scale National Grid Data	1:1,250	1993	13
Large-Scale National Grid Data	1:1,250	1994	14
Large-Scale National Grid Data	1:1,250	1996	15

Historical Map - Segment A13



Order Details

Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 100

Site Details

Dodworth Green Road, Dodworth, BARNSELY, S75 3RR



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



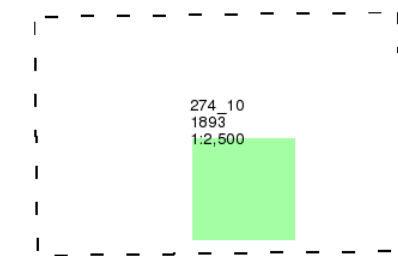
Yorkshire

Published 1893

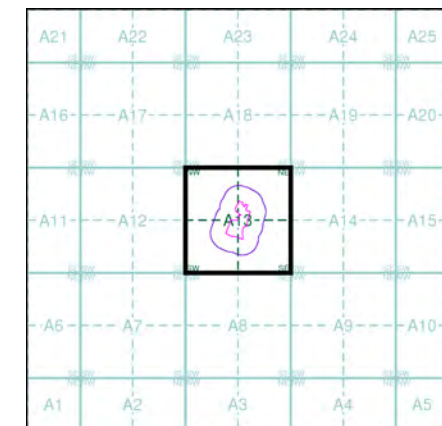
Source map scale - 1:2,500

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

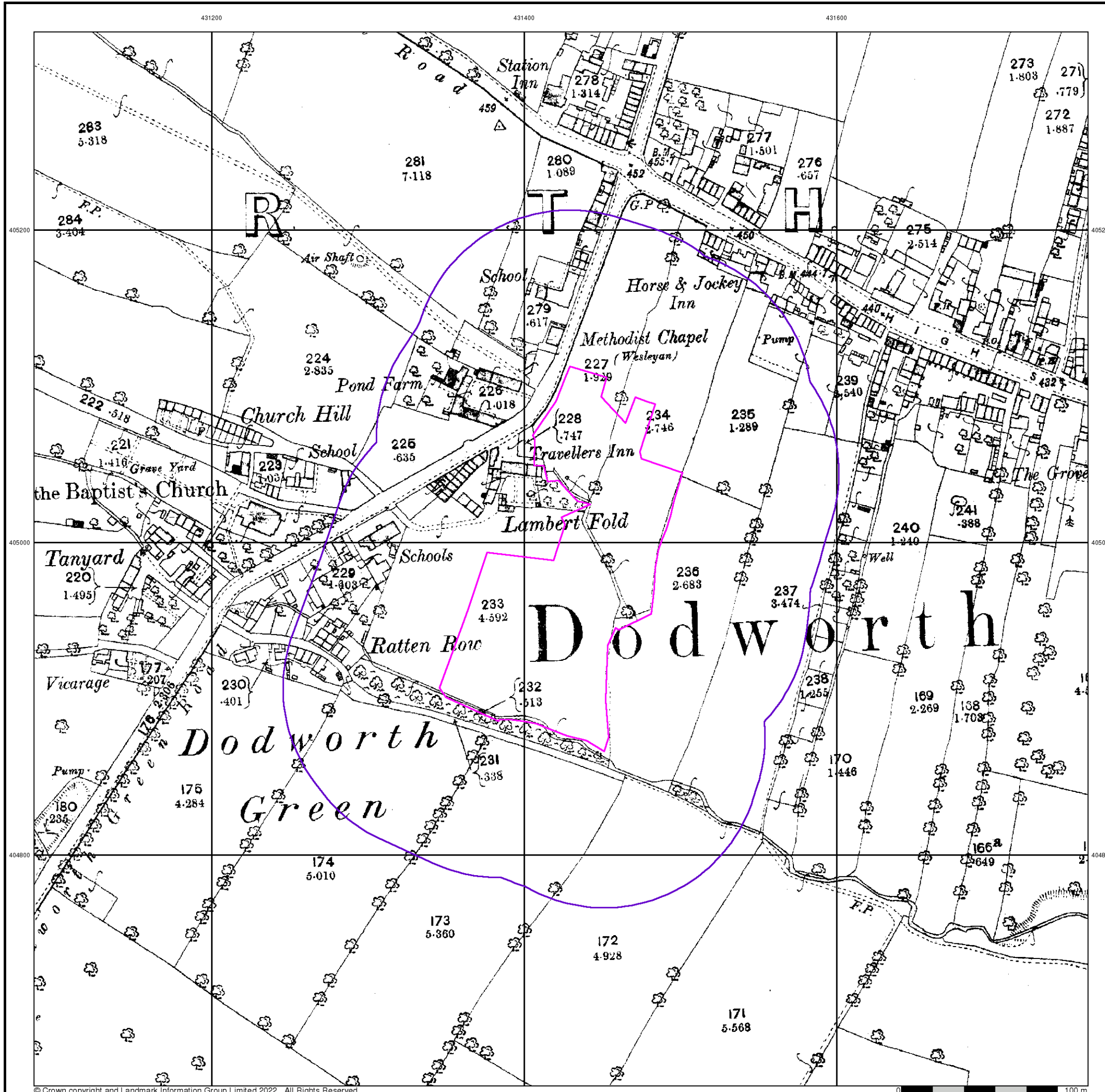
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Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
Site Area (Ha): 1.87
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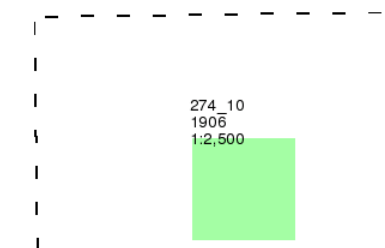
Yorkshire

Published 1906

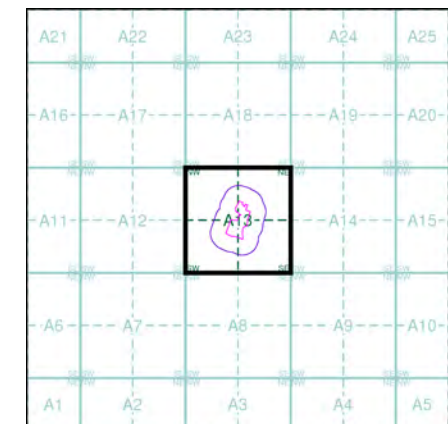
Source map scale - 1:2,500

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

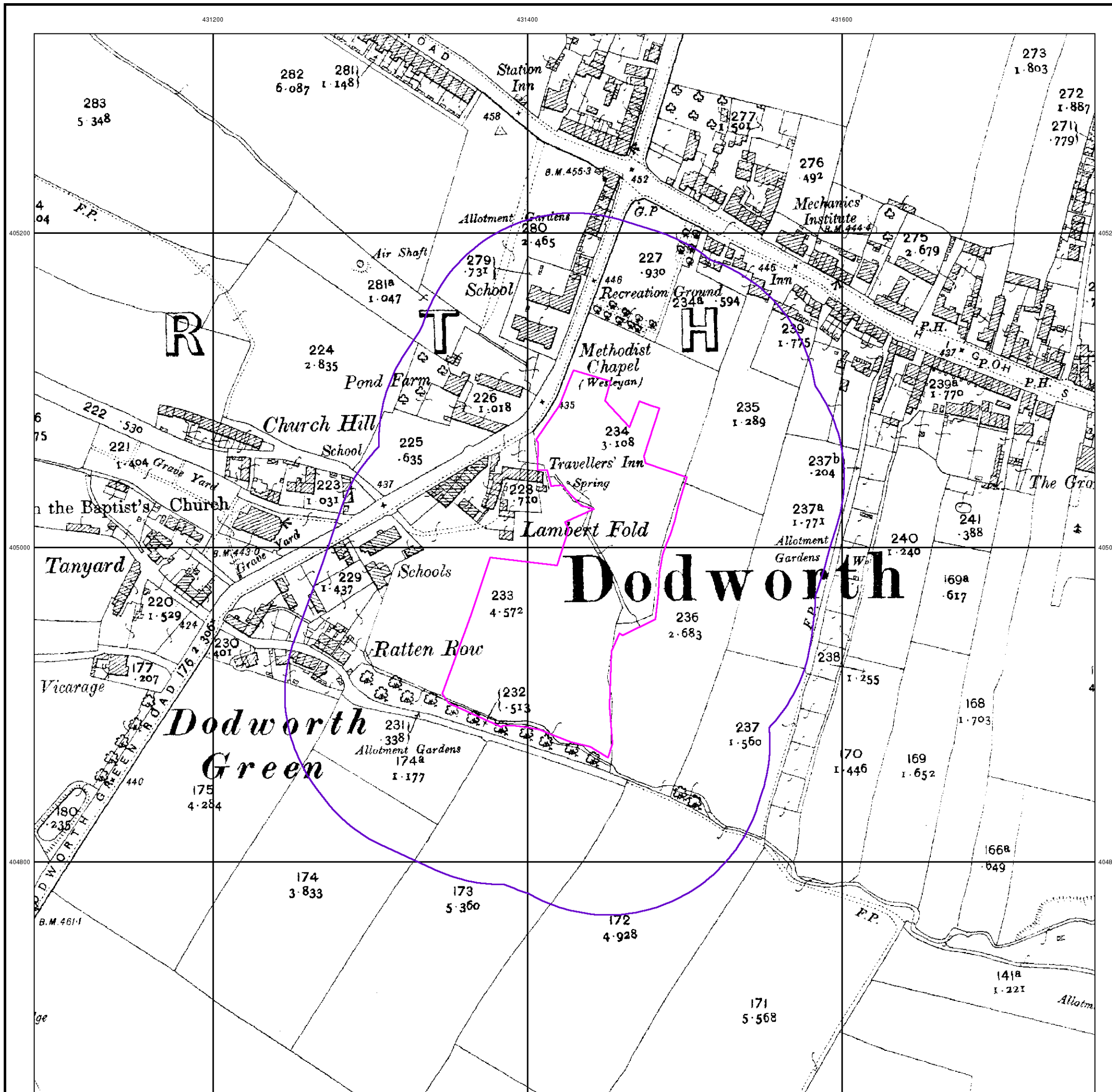
Order Number: 295530263_1_1
Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
Site Area (Ha): 1.87
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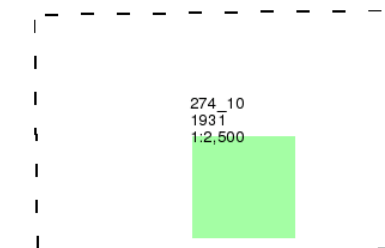
Yorkshire

Published 1931

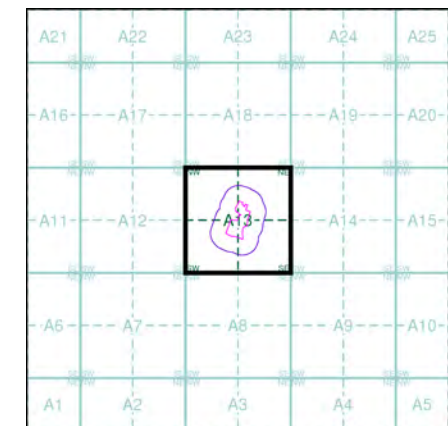
Source map scale - 1:2,500

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

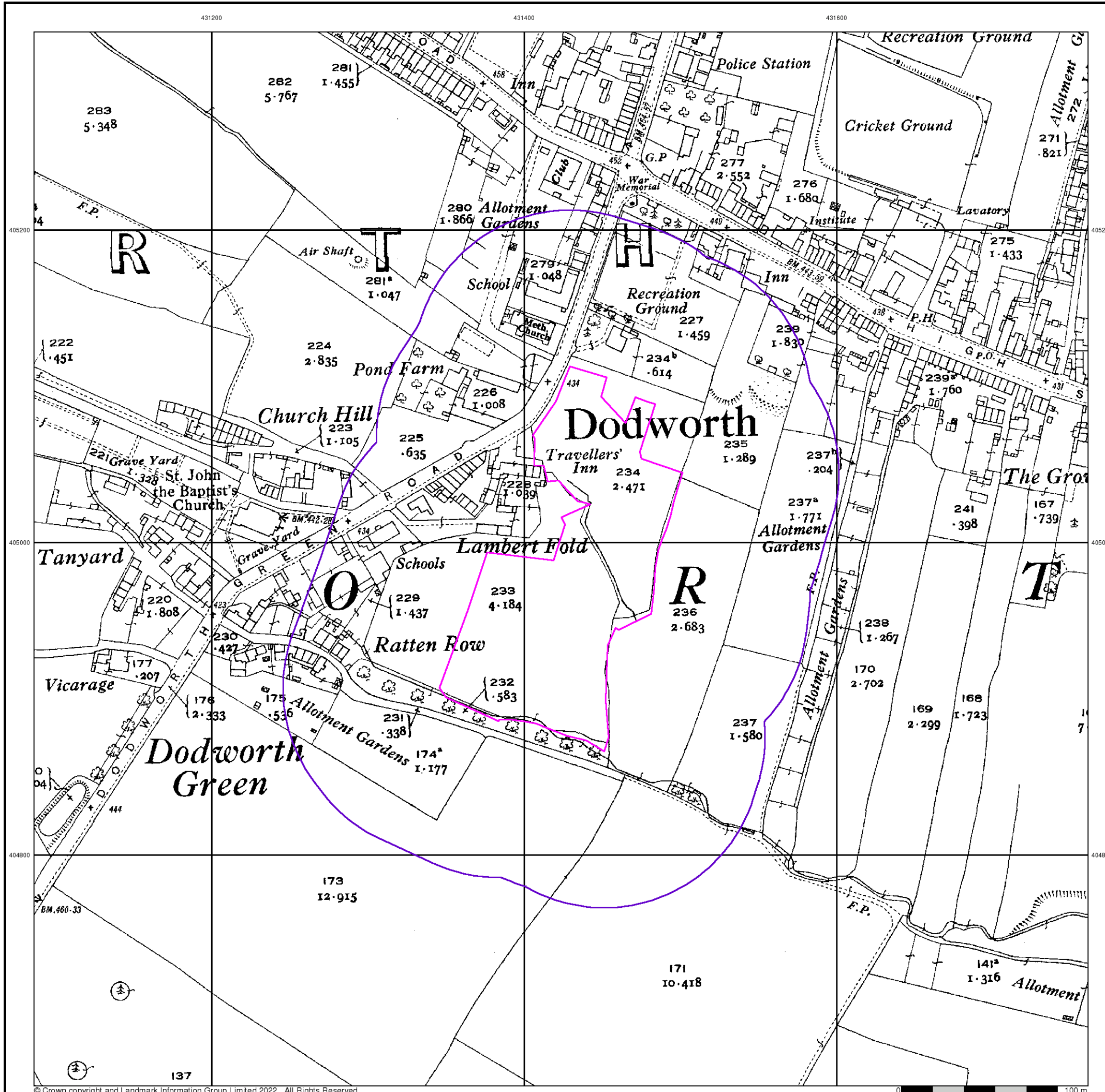
Order Number: 295530263_1_1
Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
Site Area (Ha): 1.87
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1962

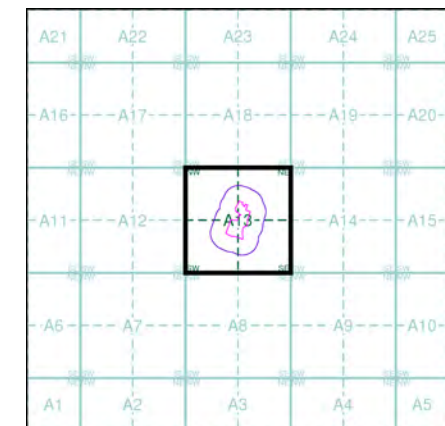
Source map scale - 1:2,500

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)

SE3105
1962
1:2,500
SE3104
1962
1:2,500

Historical Map - Segment A13



Order Details

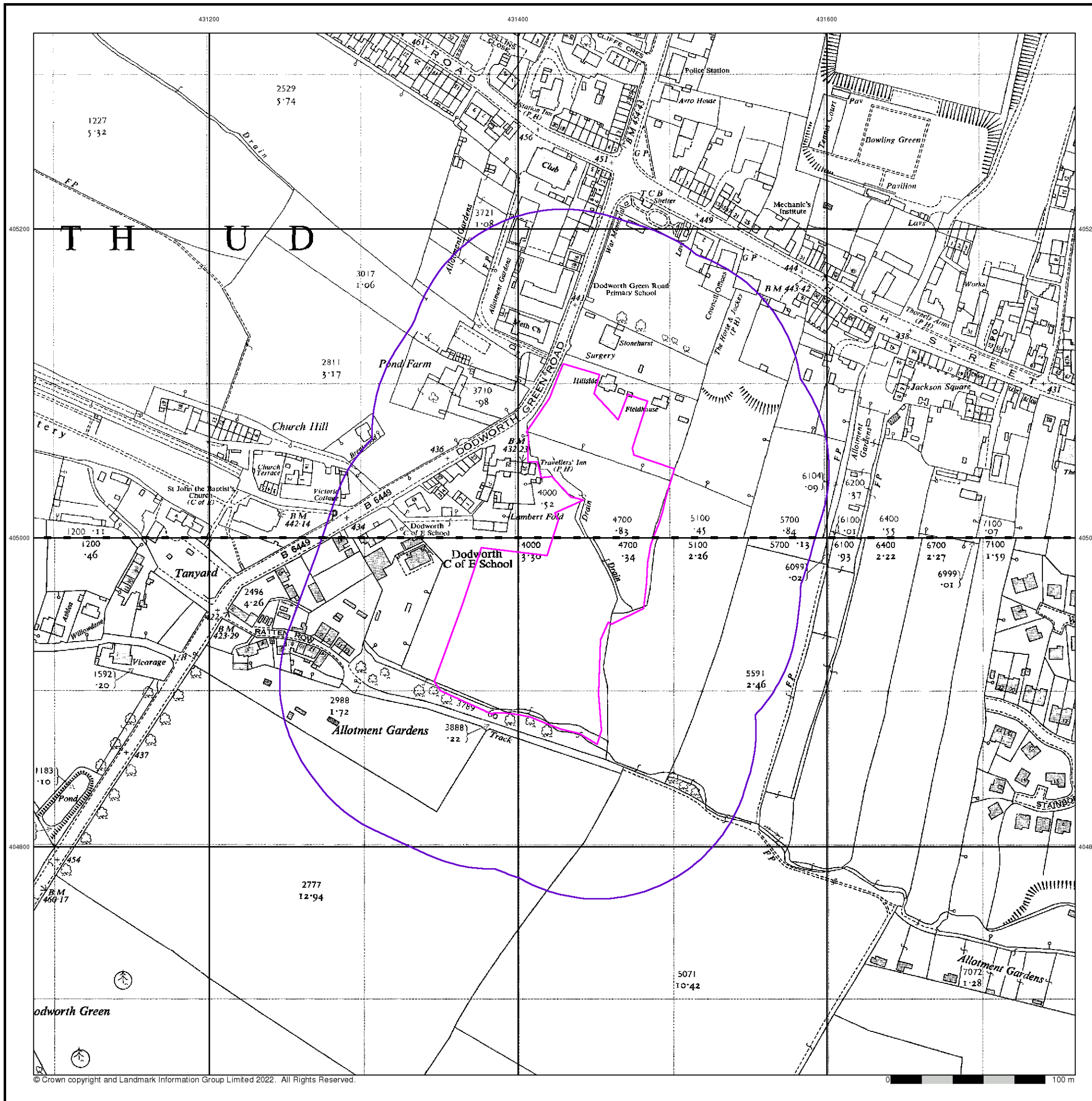
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 100

Site Details

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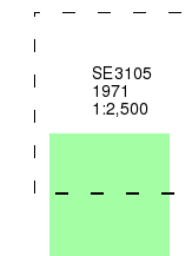
Ordnance Survey Plan

Published 1971

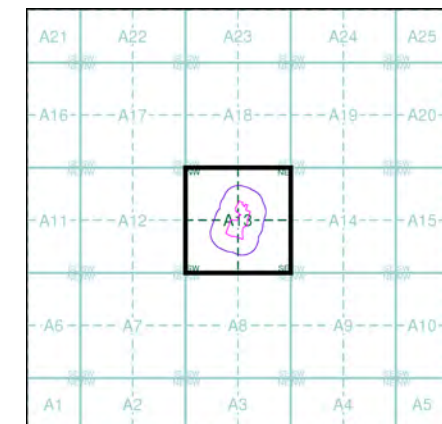
Source map scale - 1:2,500

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: 295530263_1_1
Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
Site Area (Ha): 1.87
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1979

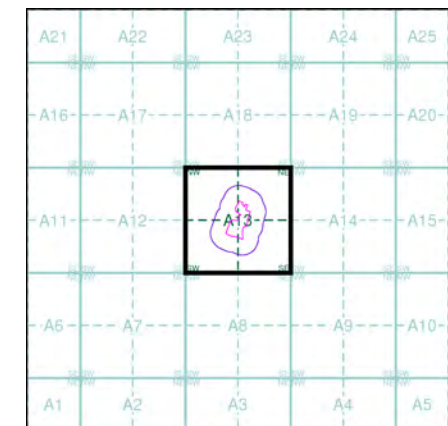
Source map scale - 1:1,250

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)

SE3105SW	SE3105SE
1979	1979
1:1,250	1:1,250
	SE3104NE
	1979
	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 100

Site Details

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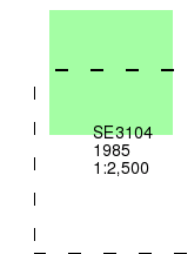
Additional SIMs

Published 1985

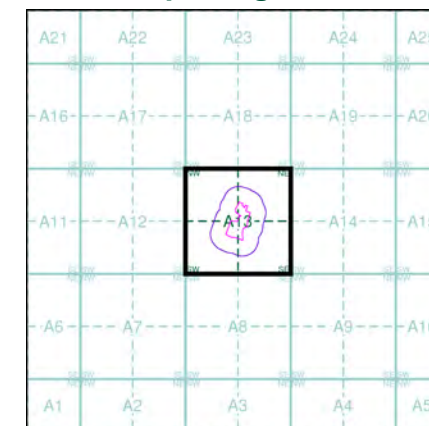
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

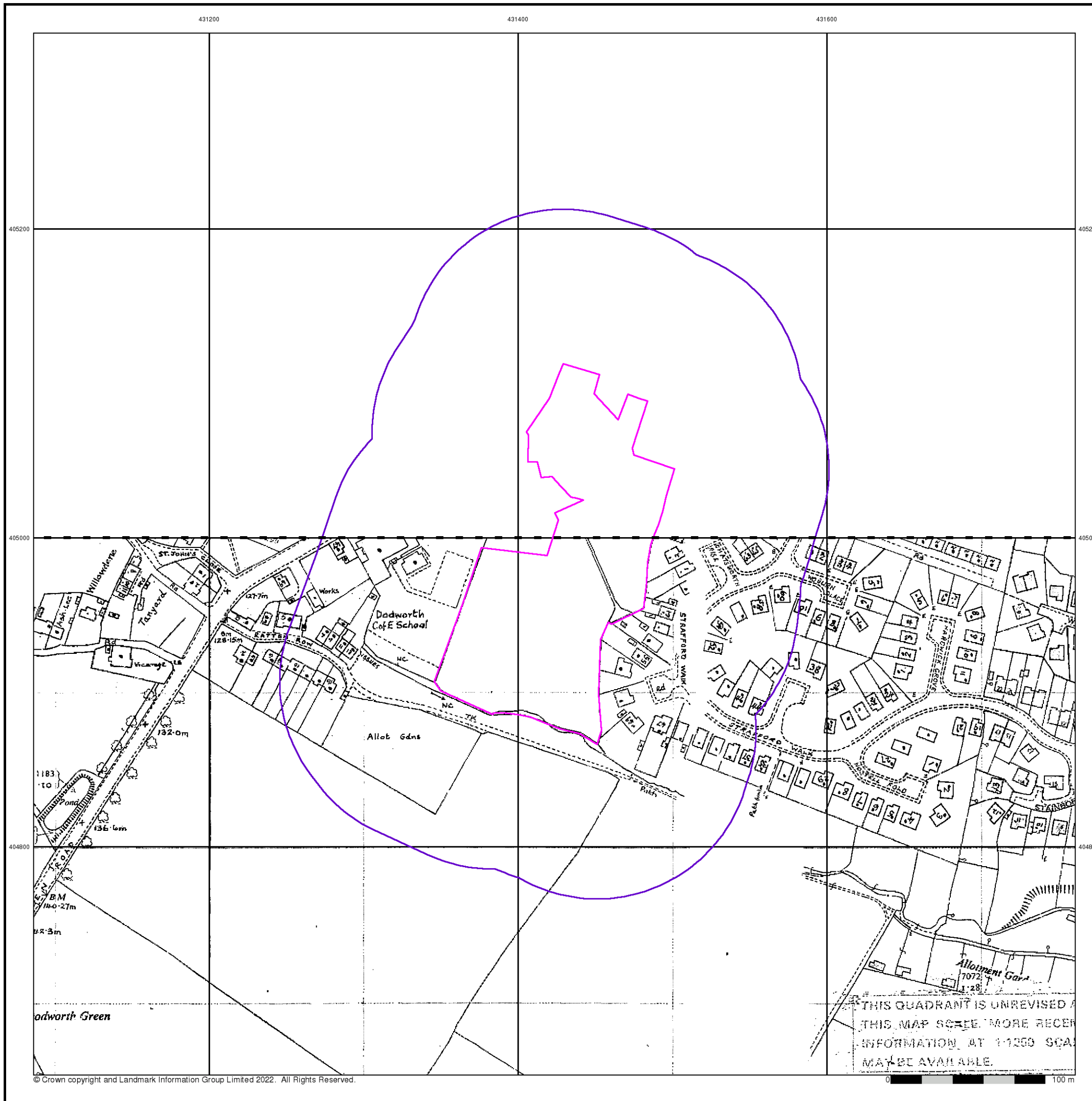
Order Number: 295530263_1_1
Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
Site Area (Ha): 1.87
Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1990 - 1991

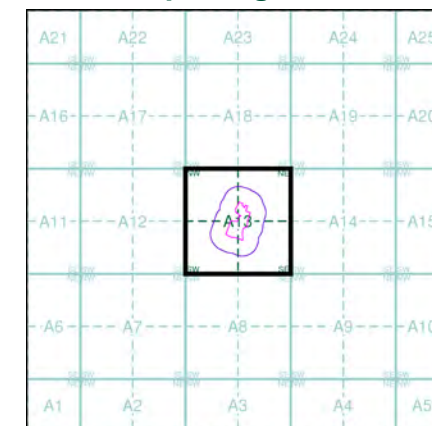
Source map scale - 1:1,250

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)

SE3105SW	SE3105SE
1991	1990
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 100

Site Details

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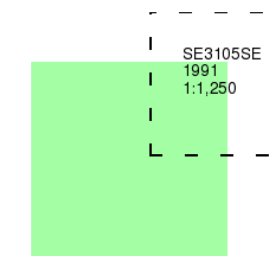
Additional SIMs

Published 1991

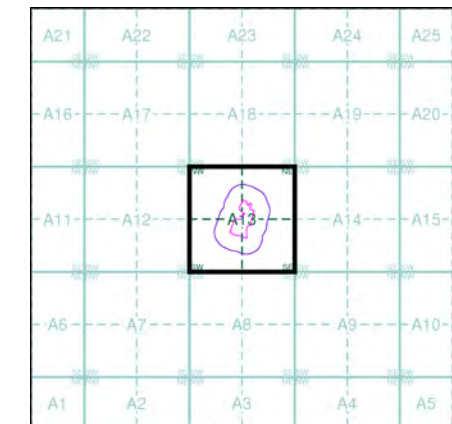
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

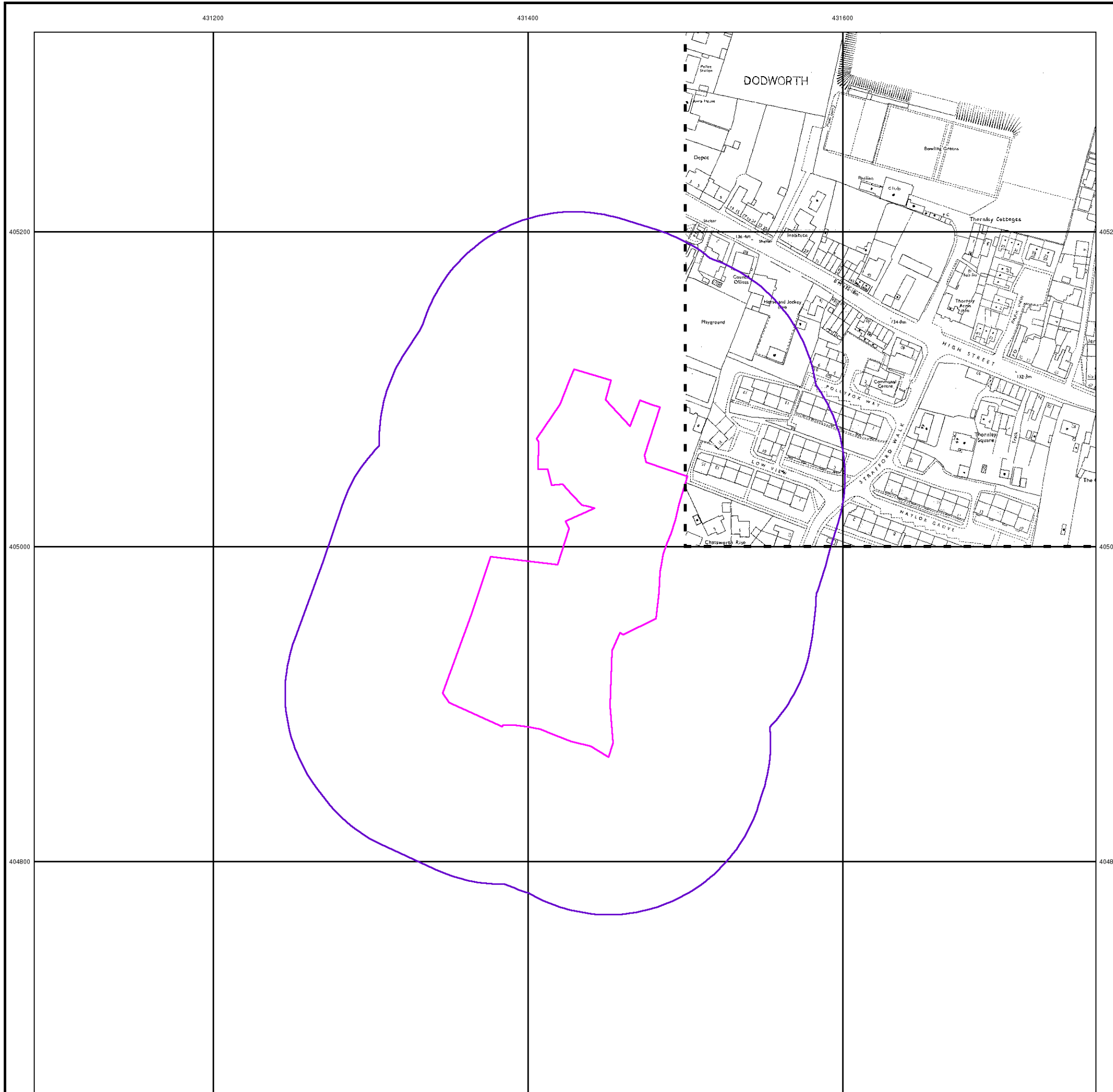
Order Number: 295530263_1_1
Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
Site Area (Ha): 1.87
Search Buffer (m): 100

Site Details

Dodworth Green Road, Dodworth, BARNSELY, S75 3RR



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Large-Scale National Grid Data

Published 1993 - 1995

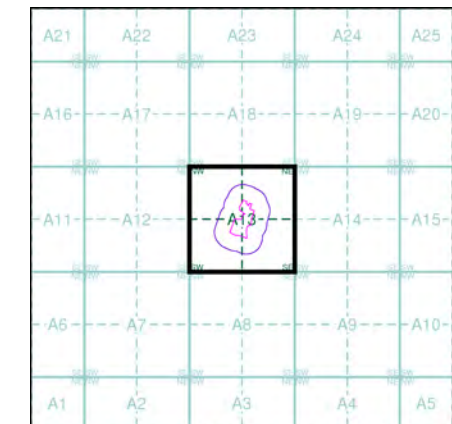
Source map scale - 1:1,250

'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)

SE3105SW	SE3105SE
1995	1993
1:1,250	1:1,250
SE3104NW	SE3104NE
1993	1993
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

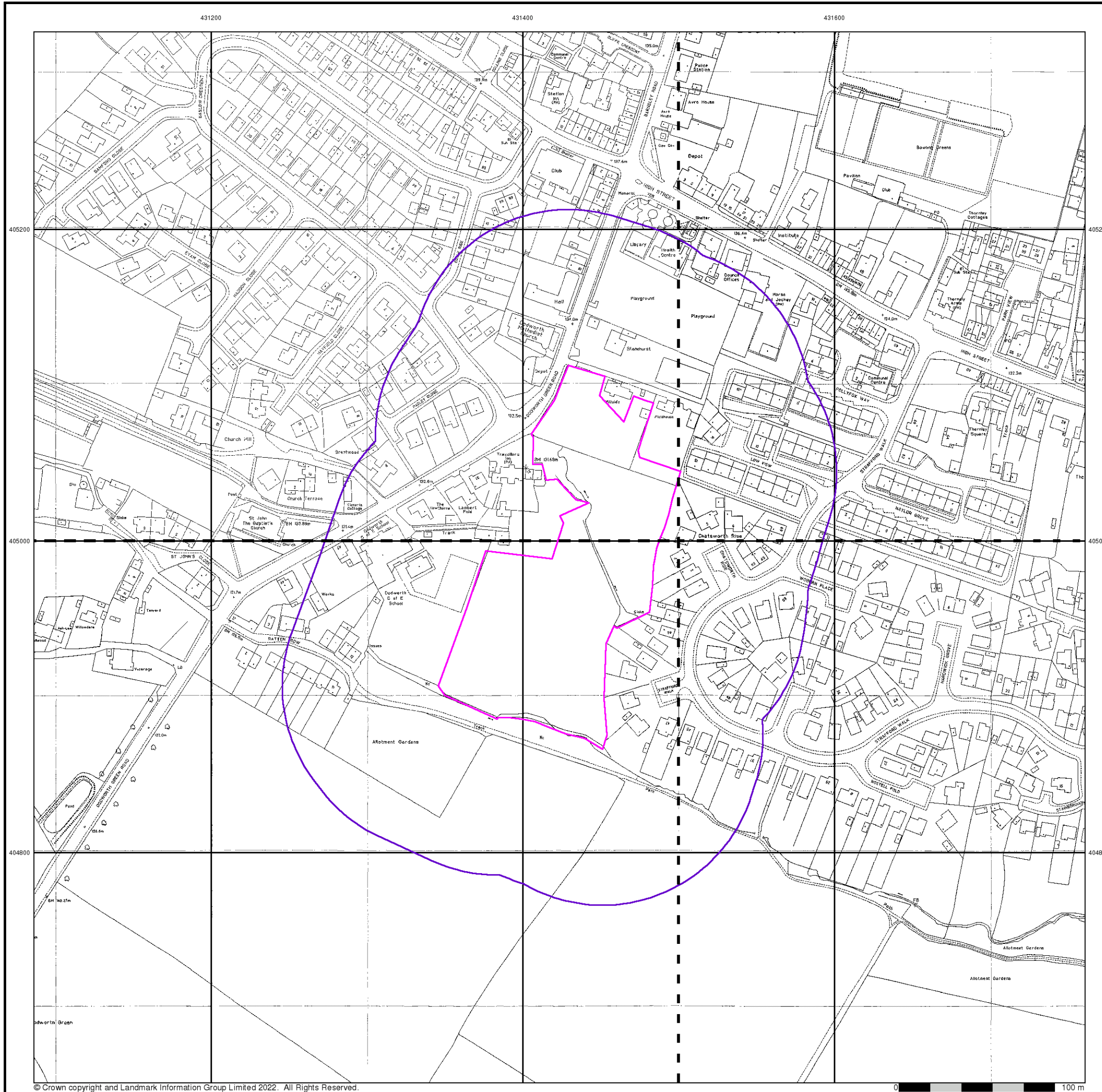
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 100

Site Details

Dodworth Green Road, Dodworth, BARNSELY, S75 3RR



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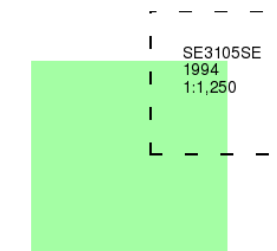
Large-Scale National Grid Data

Published 1994

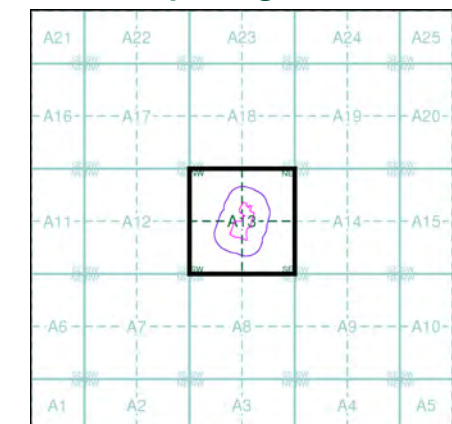
Source map scale - 1:1,250

'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)



Historical Map - Segment A13



Order Details

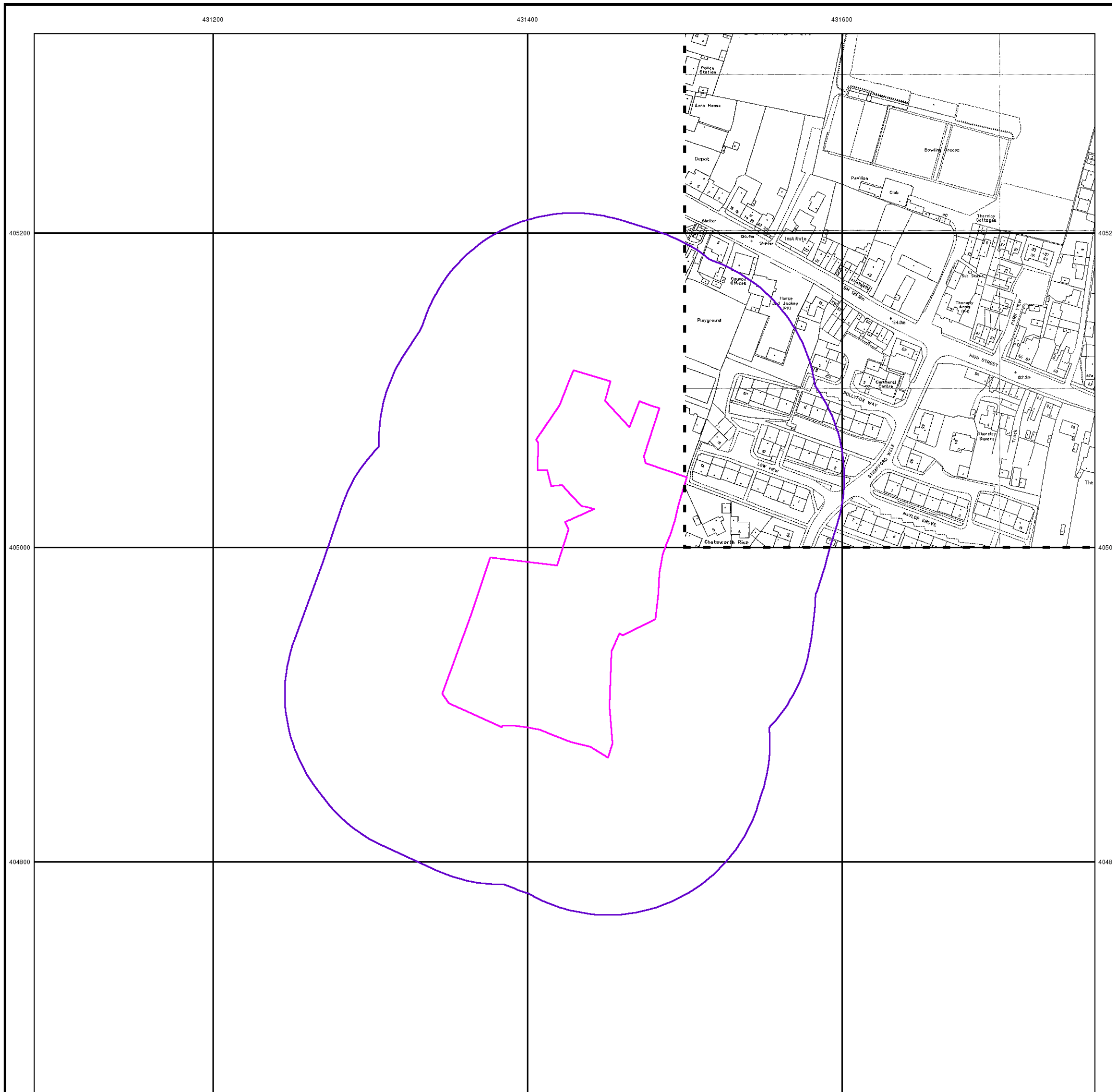
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Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
Site Area (Ha): 1.87
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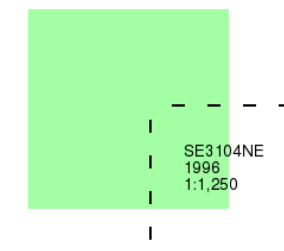
Large-Scale National Grid Data

Published 1996

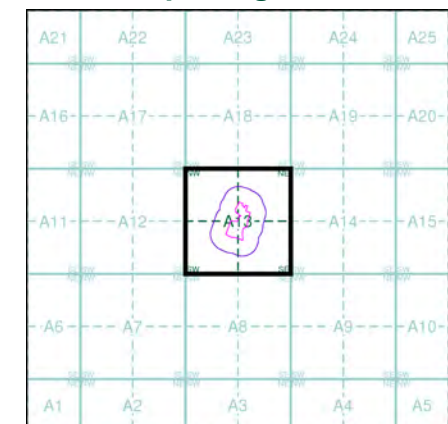
Source map scale - 1:1,250

'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)



Historical Map - Segment A13



Order Details

Order Number: 295530263_1_1
Customer Ref: C9470
National Grid Reference: 431430, 404980
Slice: A
Site Area (Ha): 1.87
Search Buffer (m): 100

Site Details

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General

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

Agency and Hydrological

- 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

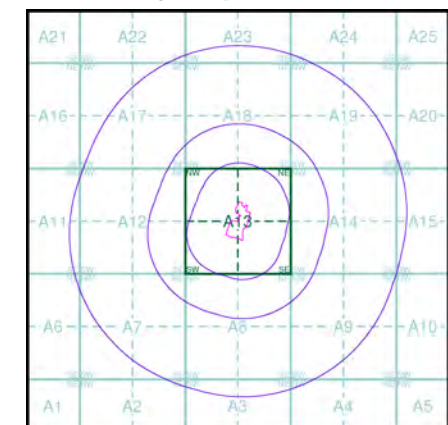
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



Order Details

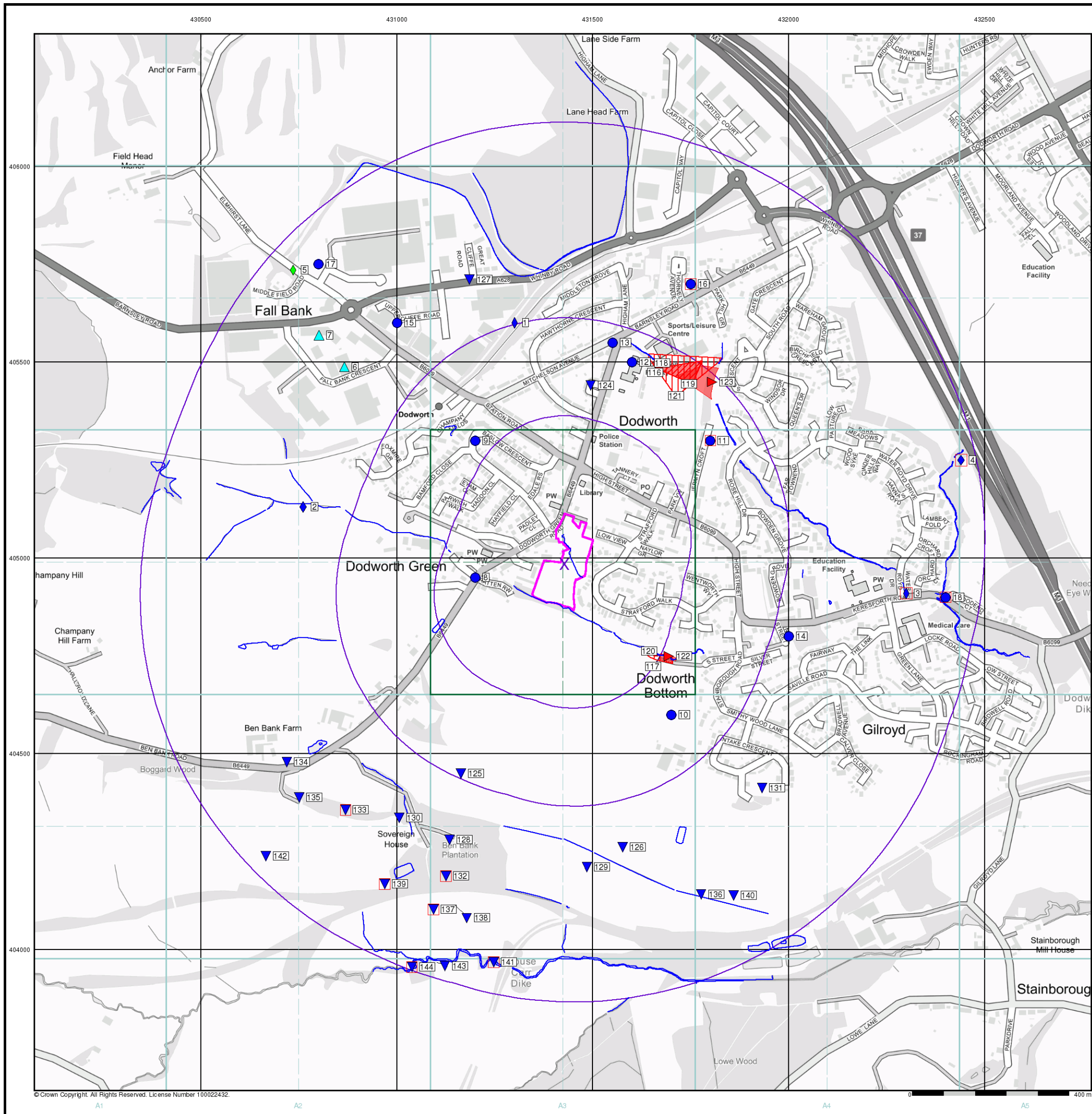
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

Dodworth Green Road, Dodworth, BARNSELY, S75 3RR



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Industrial Land Use Map

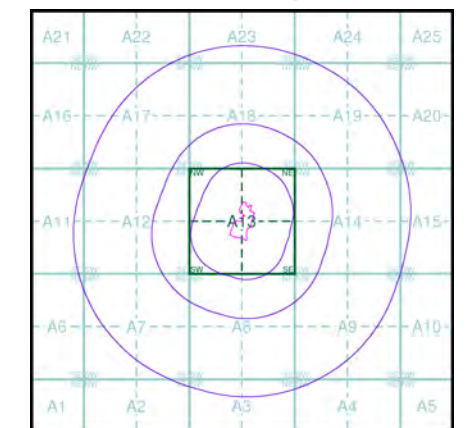
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

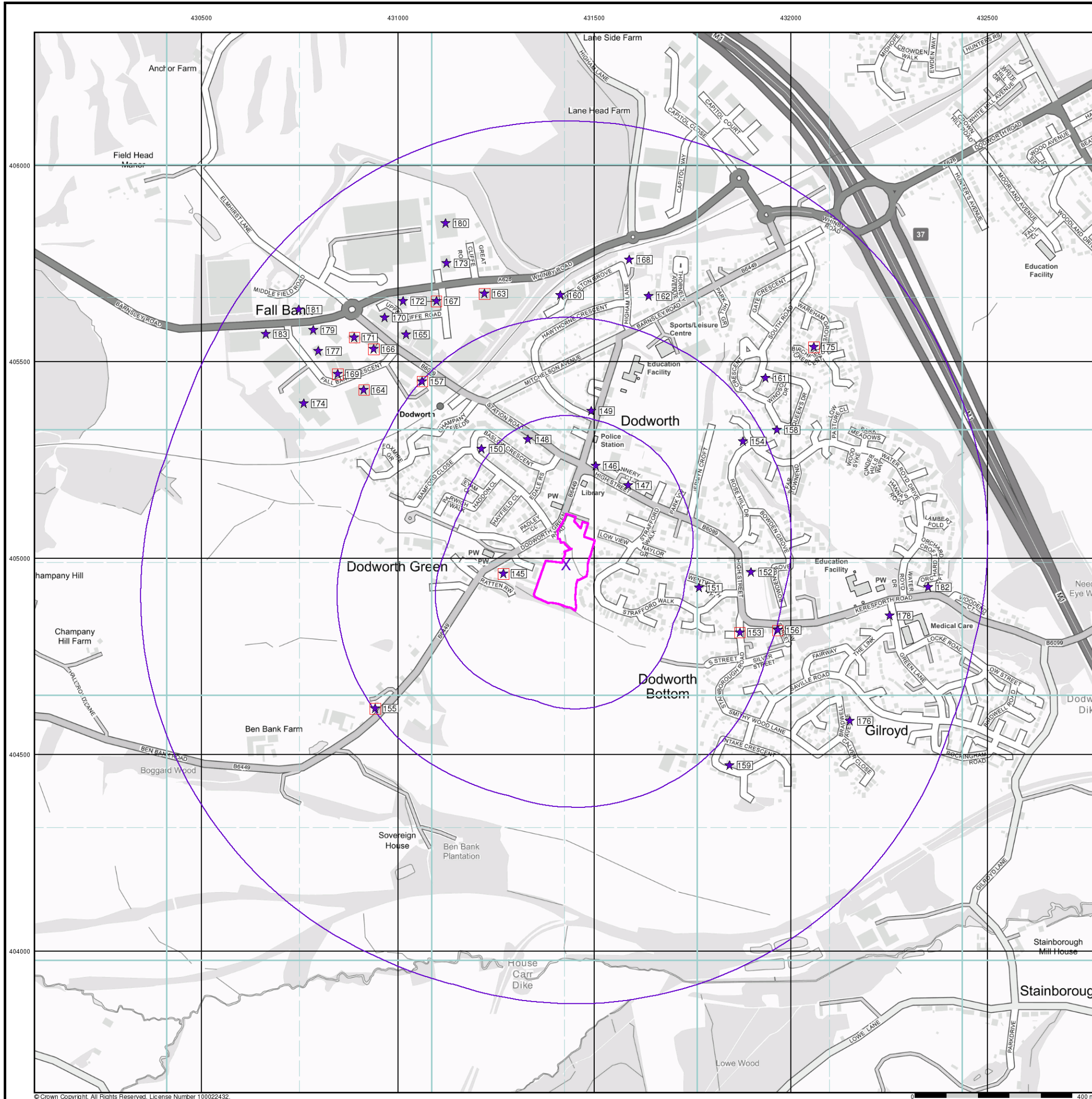
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
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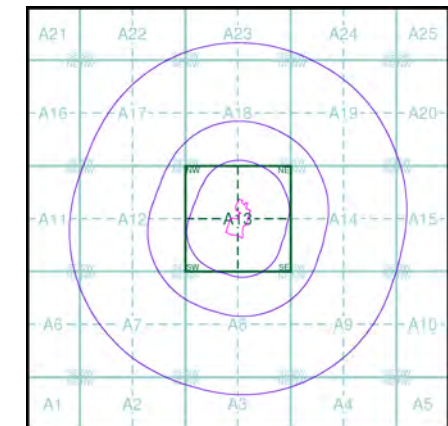
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

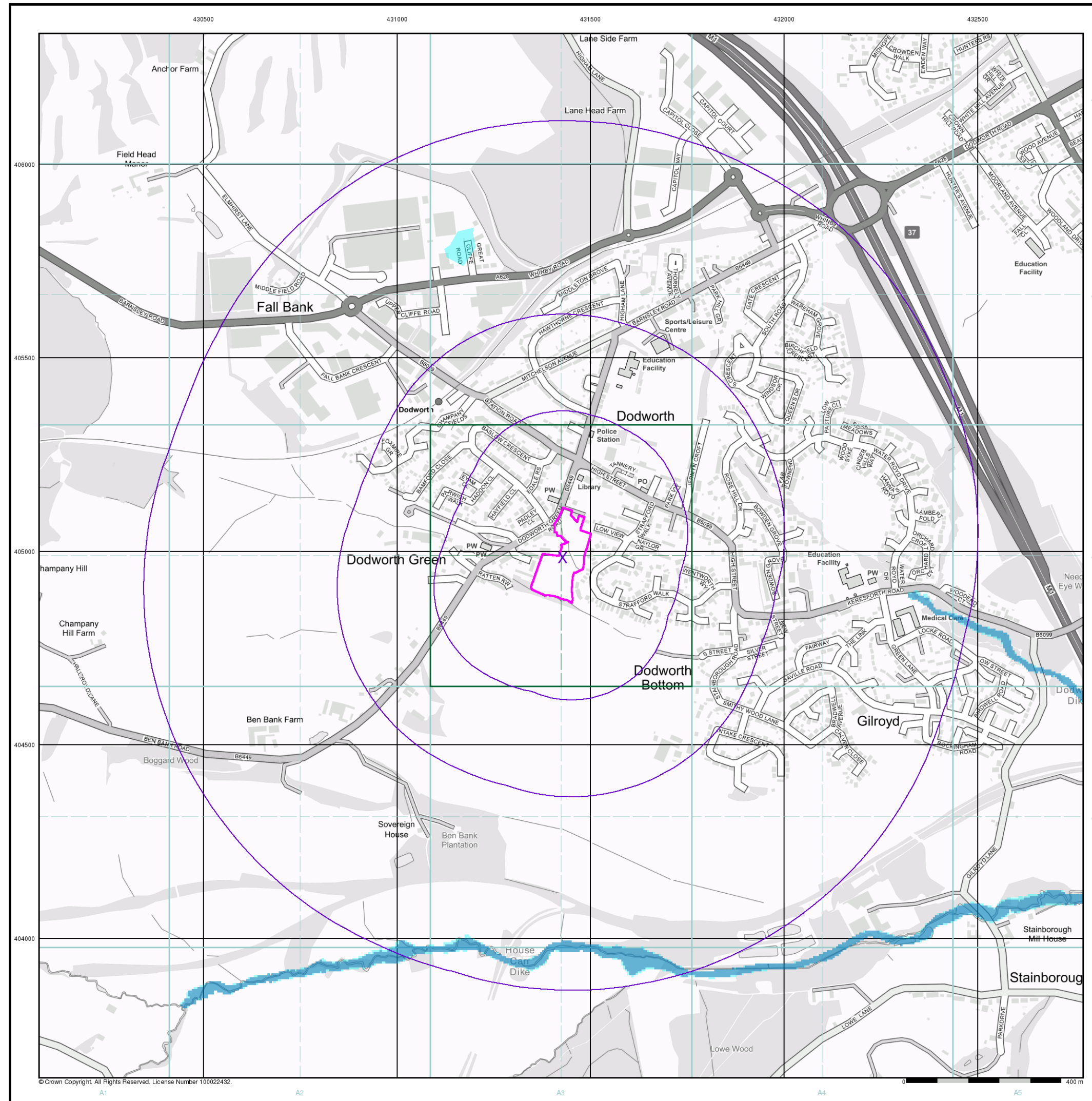
Order Number: 295530263_1_1
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General

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

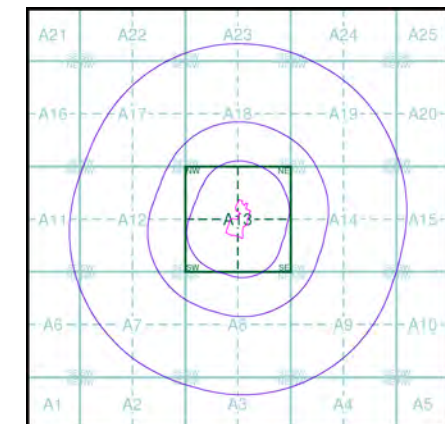
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

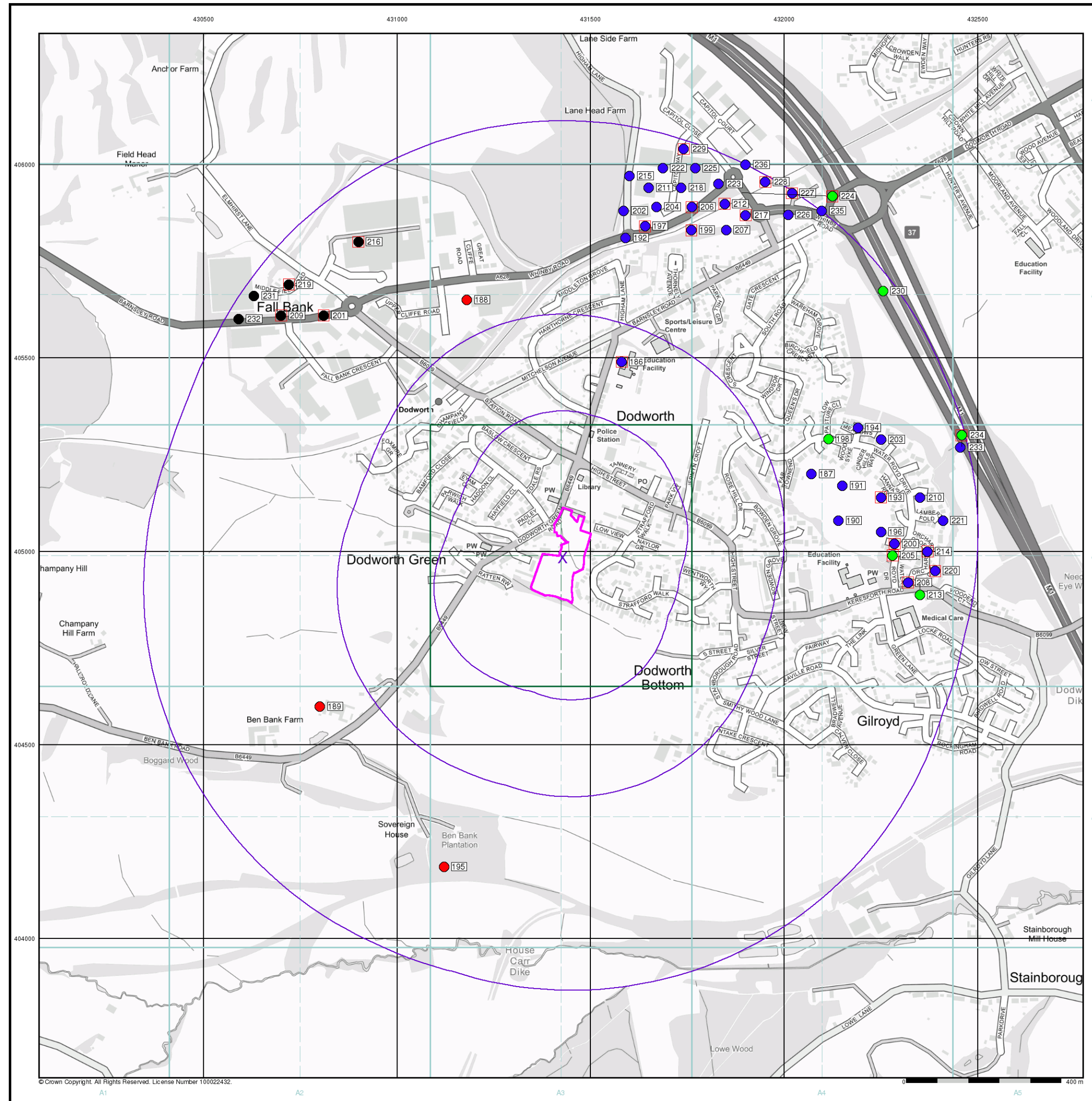
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

Dodworth Green Road, Dodworth, BARNSELY, S75 3RR



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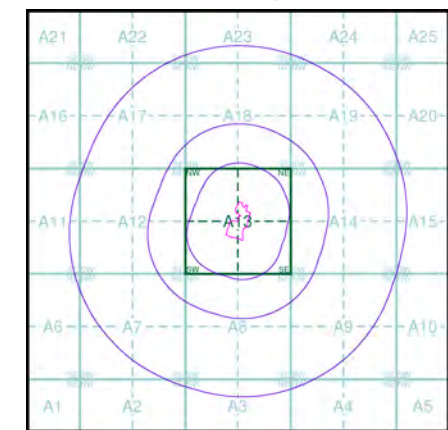
General

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

OS Water Network Data

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

OS Water Network Map - Slice A



Order Details

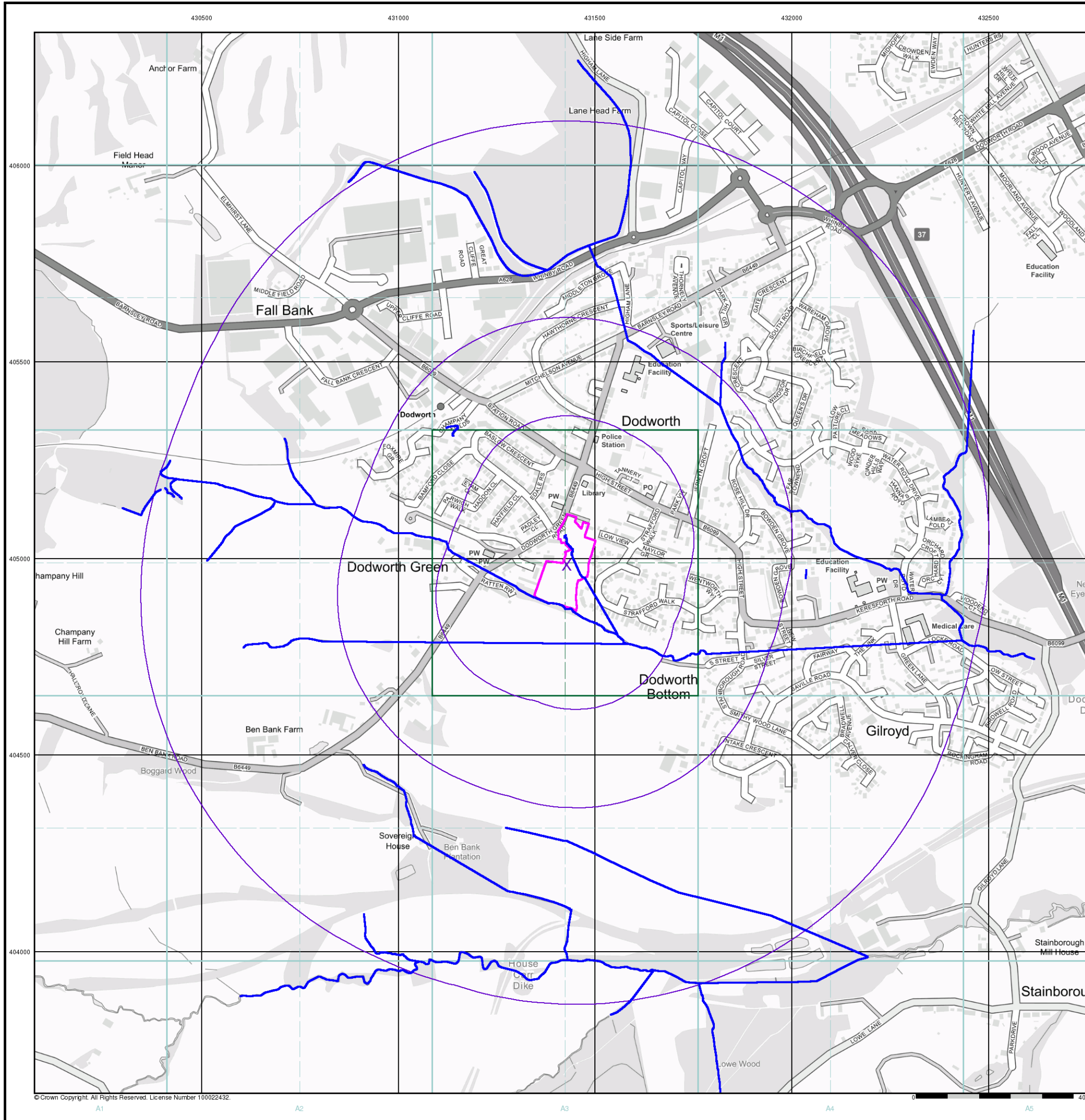
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

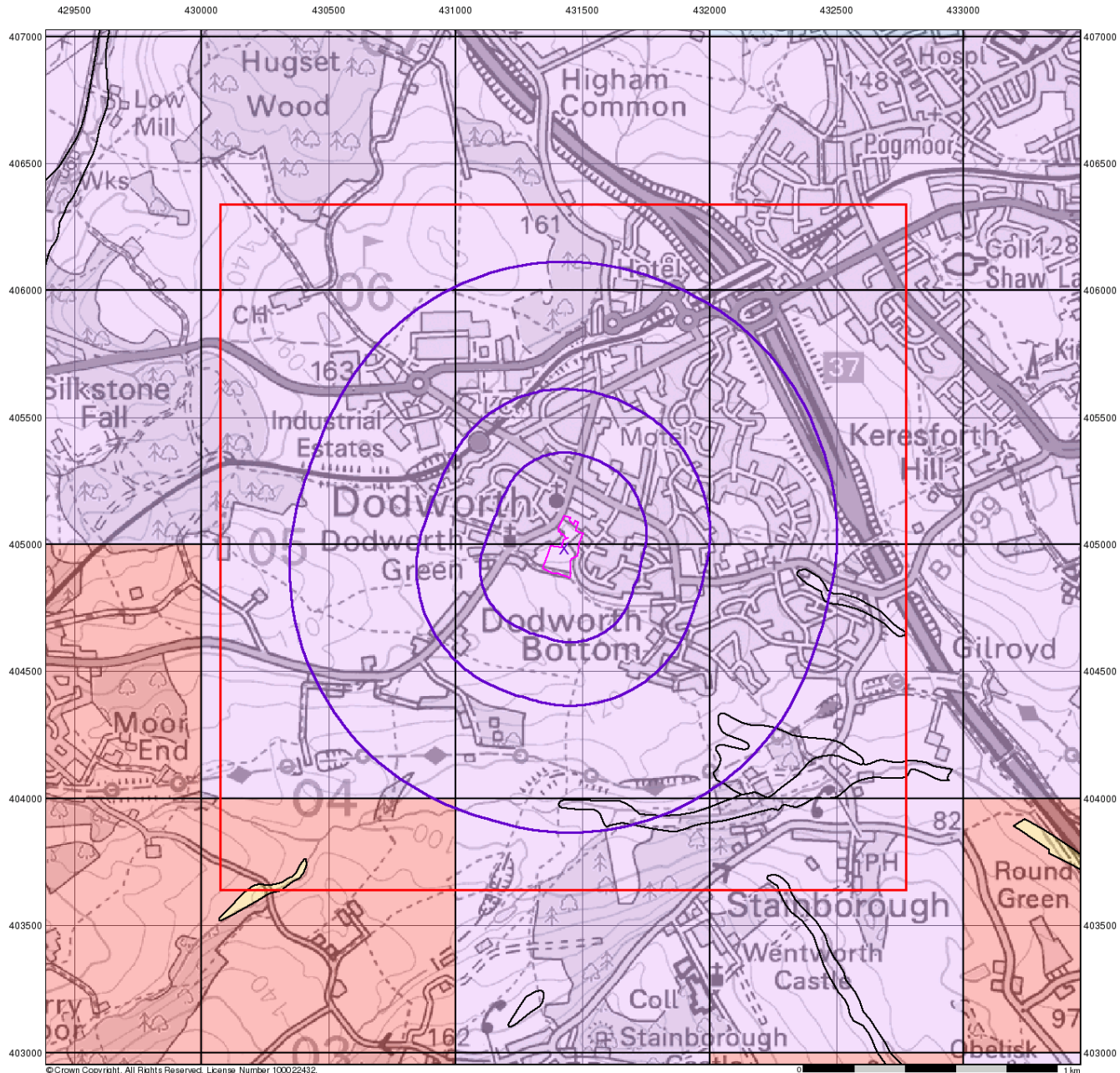
Dodworth Green Road, Dodworth, BARNSELY, S75 3RR



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Groundwater Vulnerability

General

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

Agency and Hydrological

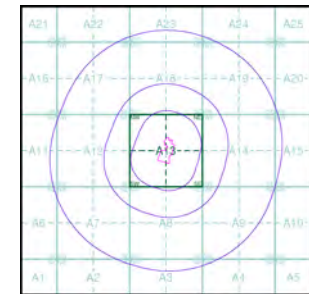
Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Site Sensitivity Context Map - Slice A



Order Details

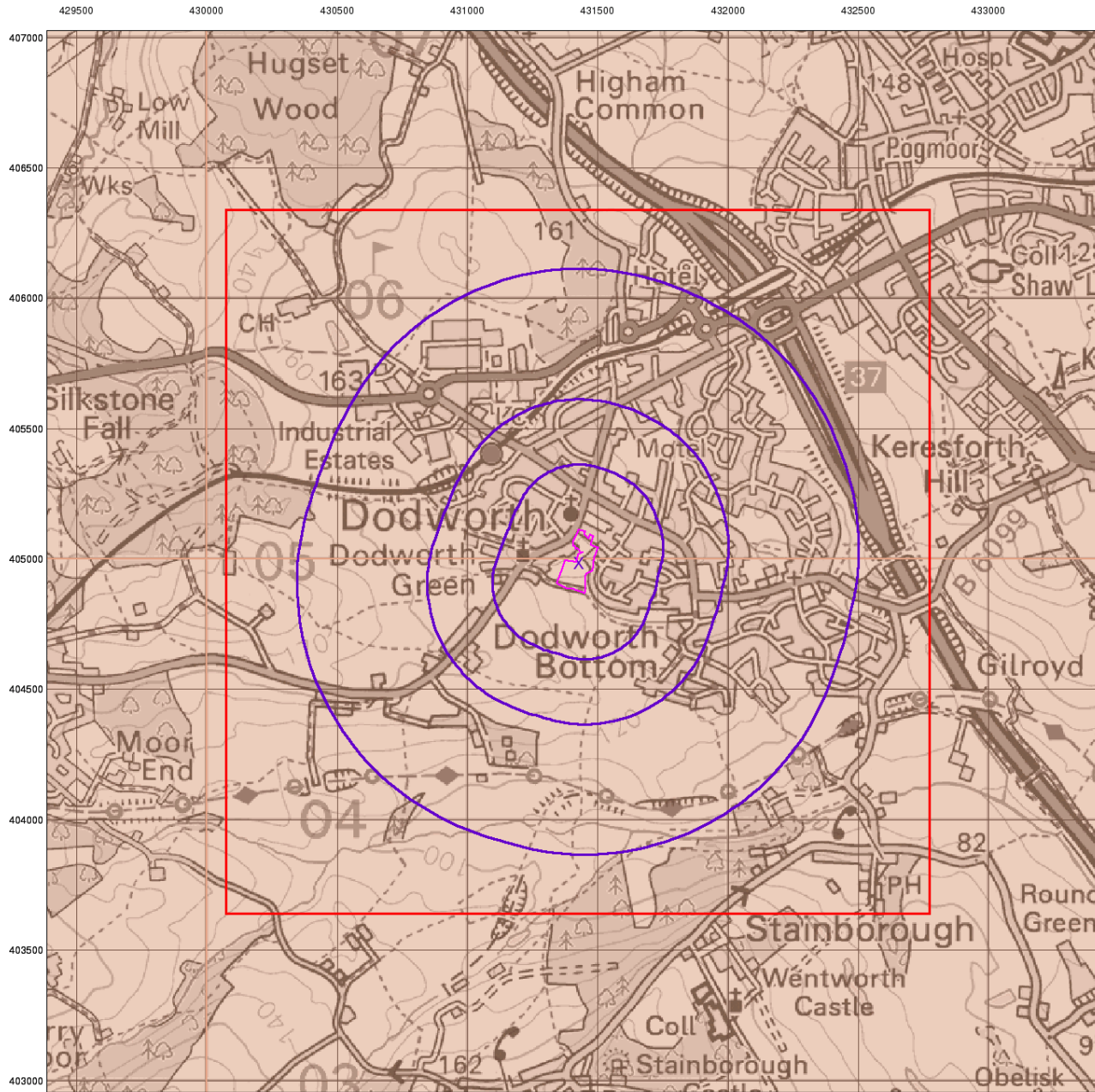
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

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0 1 km



Bedrock Aquifer Designation

General

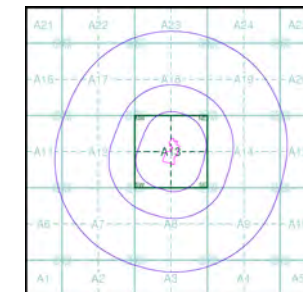
- ◊ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

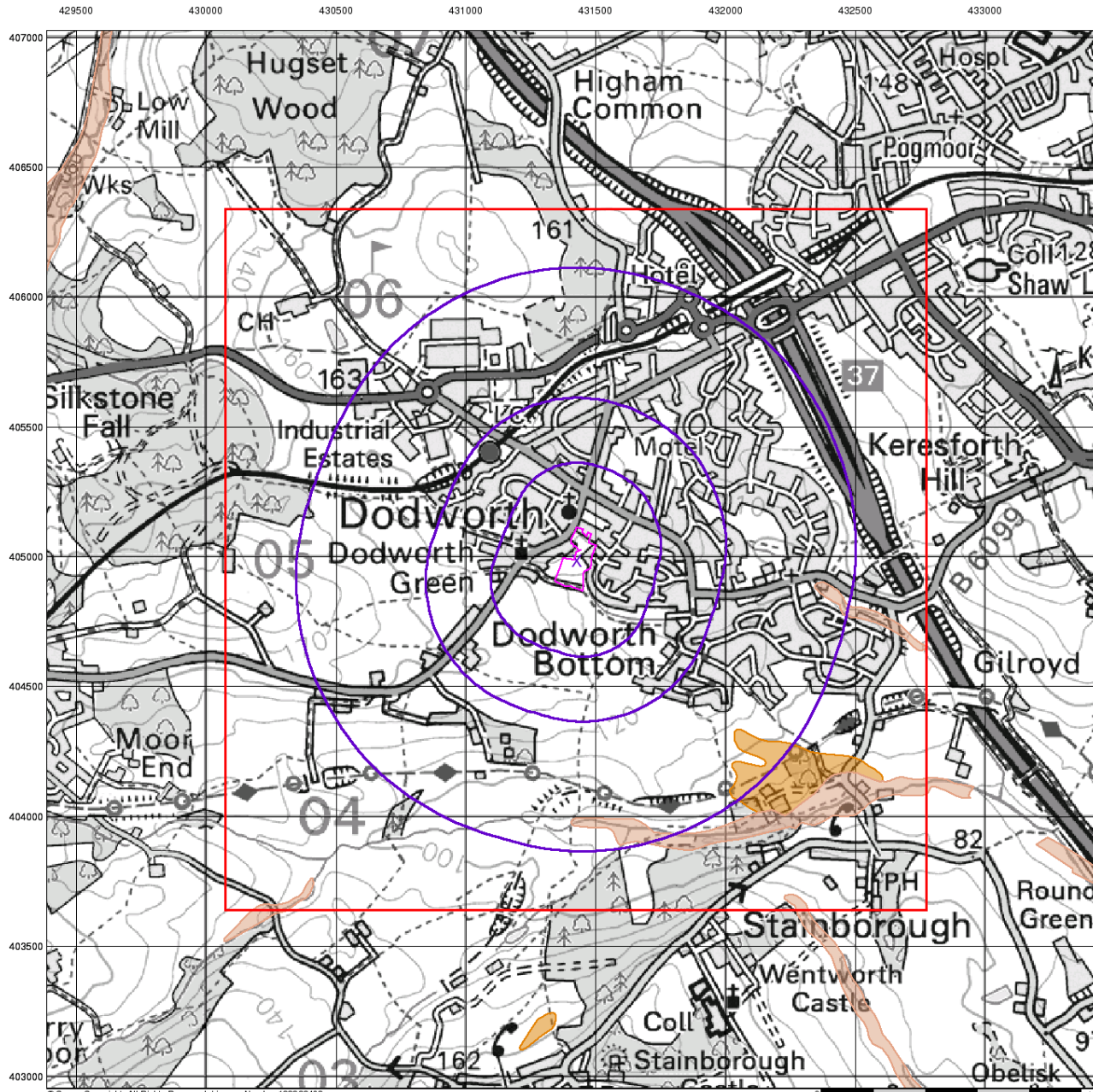
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

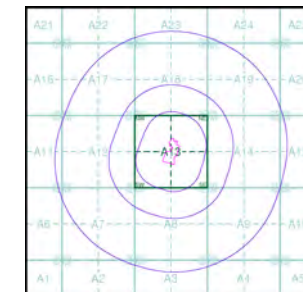
- ◆ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point
- Slice
- 06 Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

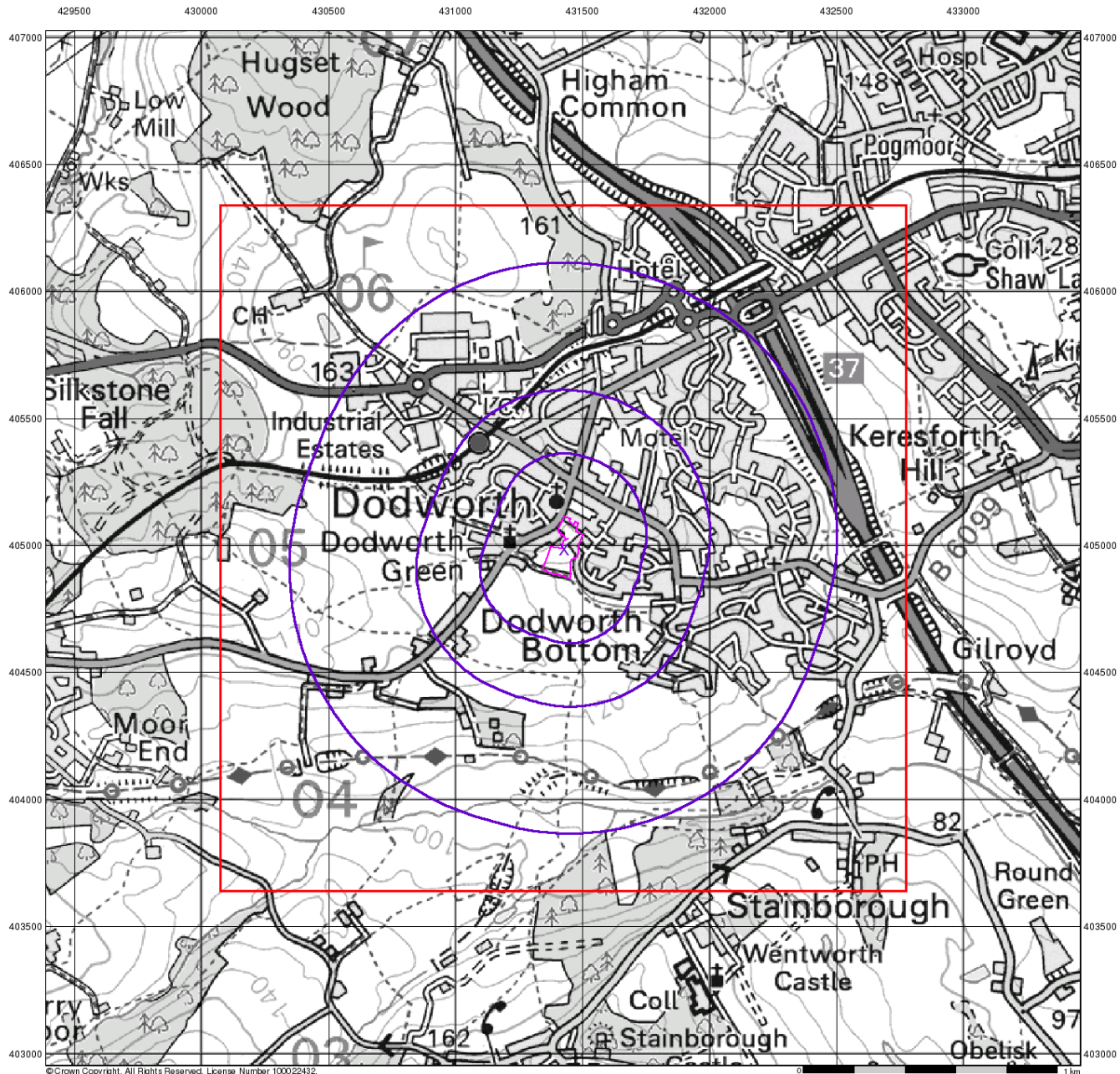
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

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Source Protection Zones

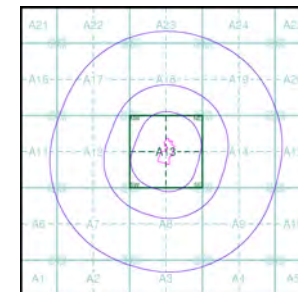
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

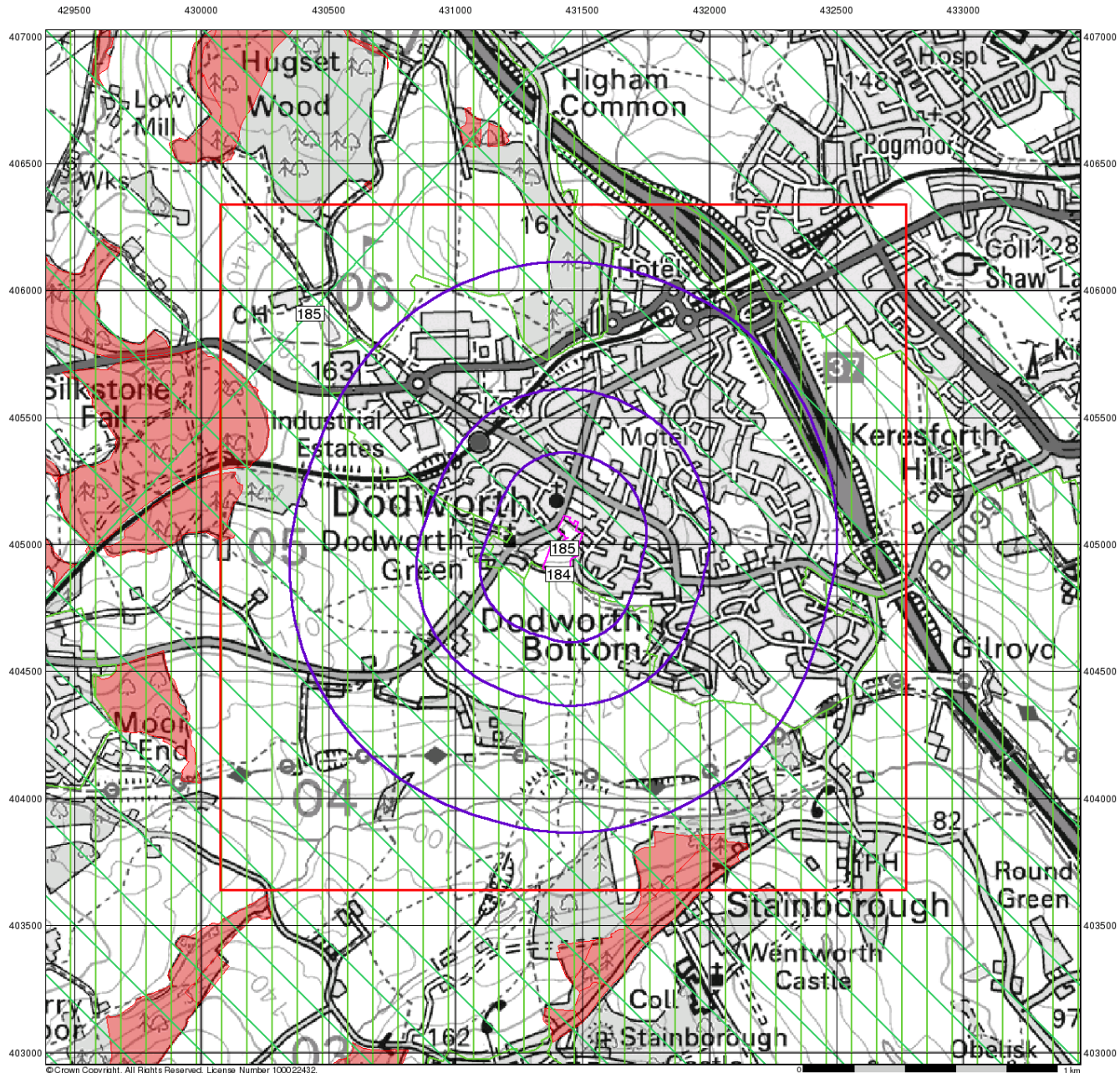
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
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Site Details

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Sensitive Land Uses

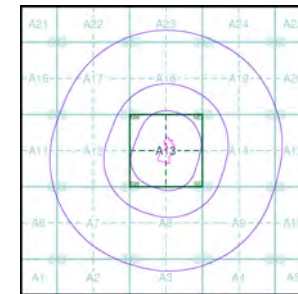
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

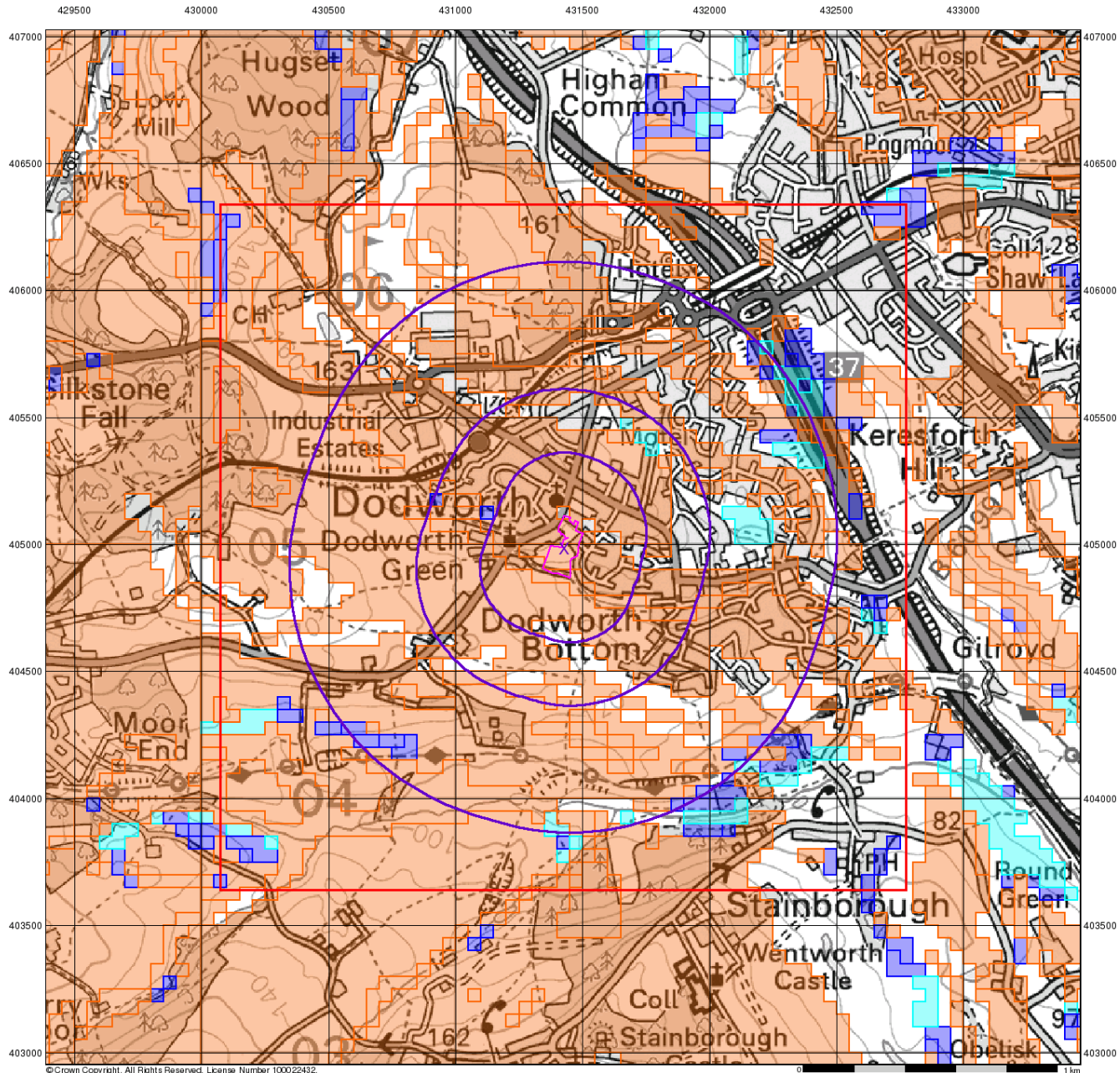
Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

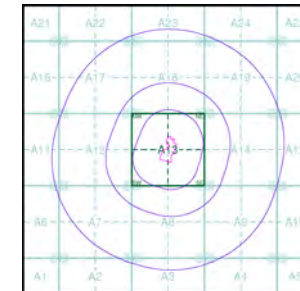
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 295530263_1_1
 Customer Ref: C9470
 National Grid Reference: 431430, 404980
 Slice: A
 Site Area (Ha): 1.87
 Search Buffer (m): 1000

Site Details

Dodworth Green Road, Dodworth, BARNSELY, S75 3RR



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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

295530263_1_1

Customer Reference:

C9470

National Grid Reference:

431430, 404980

Slice:

A

Site Area (Ha):

1.87

Search Buffer (m):

1000

Site Details:

Dodworth Green Road

Dodworth

BARNSLEY

S75 3RR

Client Details:

Ms S Howson

Sirius Geotechnical Ltd

4245 Park Approach

Thorpe Park

Leeds

LS15 8GB

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	20
Hazardous Substances	-
Geological	22
Industrial Land Use	29
Sensitive Land Use	36
Data Currency	37
Data Suppliers	41
Useful Contacts	42

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2				7
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4				2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4	Yes			
Pollution Incidents to Controlled Waters	pg 4		1	6	7
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 6			1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 7				(*3)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 7	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	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
OS Water Network Lines	pg 8	2	12	18	65



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 20			1	
Historical Landfill Sites	pg 20		1	2	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 20	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 20		1	1	
Registered Landfill Sites	pg 21			2	
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 22	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 22			2	27
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 27	Yes	n/a	n/a	n/a
Mining Instability	pg 27	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 27	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 27	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 27		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 27	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 27		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 28	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 28	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 28	Yes	n/a	n/a	n/a



Summary

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 29		5	11	56
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 36	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 36	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SW)	0	1	431428 404985
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	0	1	431428 405000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	0	1	431428 404900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	17	1	431428 404850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	120	1	431550 404800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	216	1	431150 405000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	250	1	431150 405100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	253	1	431750 404985
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	296	1	431100 405100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	317	1	431100 405150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	330	1	431600 405400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	374	1	431750 405350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	381	1	431800 405300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	397	1	431650 405450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	420	1	431400 404450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	422	1	431700 405450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	427	1	431250 405500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	427	1	431000 405200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	428	1	431200 404500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	438	1	431428 405550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	447	1	431900 405250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12NE (W)	454	1	430950 405150



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	475	1	431950 405200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	485	1	430900 405100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	494	1	431950 404800
1	Discharge Consents Operator: British Coal Corporation Property Type: MINING OF COAL + LIGNITE Location: Dodworth Colliery-Tailings Lagoon, Dodworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E544 Permit Version: 1 Effective Date: 9th September 1983 Issued Date: 9th September 1983 Revocation Date: 18th November 1988 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A18SW (N)	504	2	431300 405600
2	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY Location: Yorkshire Water Champaney Hill Serv, Ice Reservoir Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5033 Permit Version: 1 Effective Date: 25th March 1988 Issued Date: 25th March 1988 Revocation Date: 23rd March 2004 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Tib Of Silstone Beck Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A12NE (W)	627	2	430760 405130
3	Discharge Consents Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Keresforth Road Cso Keresforth Road Water Royd Hse, Dodworth, Barnsley, South Yorkshire, S75 3nu Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7254 Permit Version: 1 Effective Date: 2nd January 1997 Issued Date: 2nd January 1997 Revocation Date: 30th March 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Dodworth Dyke Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m	A14SE (E)	810	2	432300 404910



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Keresforth Road Cso Keresforth Road Water Royd Hse, Dodworth, Barnsley, South Yorkshire, S75 3nu Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7254 Permit Version: 2 Effective Date: 31st March 2004 Issued Date: 3rd February 2004 Revocation Date: 30th March 2018 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Dodworth Dyke Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	814	2	432300 404890
3	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Keresforth Road Cso Keresforth Road Water Royd Hse, Dodworth, Barnsley, South Yorkshire, S75 3nu Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7254 Permit Version: 3 Effective Date: 31st March 2018 Issued Date: 12th March 2018 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Clvrt Trib Of Dodworth Dyke Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	815	2	432302 404893
4	<p>Discharge Consents</p> <p>Operator: Keresforth House Management Company Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Keresforth House, Dark Lane, Barnsley, South Yorkshire, S70 6rz Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Eprub3496as Permit Version: 1 Effective Date: 18th October 2021 Issued Date: 18th October 2021 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Dodworth Dike Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	948	2	432424 405259
4	<p>Discharge Consents</p> <p>Operator: Yorkshire Water Services Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Dodworth Road Sps Dodworth Road, Dodworth, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7980 Permit Version: 1 Effective Date: 27th February 2003 Issued Date: 27th February 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Dodworth 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</p>	A15NW (E)	961	2	432440 405250



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<p>Prosecutions Relating to Controlled Waters</p> <p>Location: Fall Bank Industrial Estate, Dodworth, South Yorkshire, S75 3 Prosecution Text: EA News Release 02/03/2000, Causing oil to enter the Dodworth Dyke on 23rd April 1999. Prosecution Act: WRA91 s85 Hearing Date: 2nd March 2000 Verdict: Guilty Fine: 5000 Cost: 1048 Positional Accuracy: Manually positioned to the road within the address or location</p>	A17NW (NW)	933	2	430735 405735
6	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Remploy Ltd Location: Unit 15 Fall Bank Industrial Estate, Dodworth, Barnsley, S75 3ls Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/44 Dated: 25th May 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG6/2 Manufacture of timber and wood-based products Status: Permitted Positional Accuracy: Manually positioned to the address or location</p>	A17SE (NW)	675	3	430866 405484
7	<p>Local Authority Pollution Prevention and Controls</p> <p>Name: Elg Haniel Metals Ltd Location: Unit 4 Fall Bank Industrial Estate, Dodworth, Barnsley Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/126 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap Status: Application Withdrawn Positional Accuracy: Manually positioned within the geographical locality</p>	A17SE (NW)	774	3	430801 405565
	Nearest Surface Water Feature	A13SW (S)	0	-	431406 404884
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Water Company Sewage: Other Location: Dodworth Hall Farm, Green Road, Dodworth, BARNSELEY Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Fire water / Foam Note: Dodworth Dyke; Fish Killed: No Information Incident Date: 22nd December 1998 Incident Reference: SH980483 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</p>	A13SW (W)	152	2	431200 404950
9	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial: Other Location: Dodworth, BARNSELEY Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Urban Runoff Note: No Fish Killed Incident Date: 16th July 1997 Incident Reference: SH970342 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</p>	A13NW (NW)	296	2	431200 405300
10	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Farm Location: Netherwood Brdg/Aldham A633 Dove(S) 03 Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 28th May 1993 Incident Reference: 144864 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</p>	A8NE (SE)	365	2	431700 404600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Pollution Incidents to Controlled Waters Property Type: Fire Water Location: Jermyn Croft, Off Dodworth High Steet Near, BARNSELY Authority: Environment Agency, North East Region Pollutant: Oils - Gas Oil Note: No Fish Killed Incident Date: 23rd May 1997 Incident Reference: SH970255 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	A14NW (NE)	378	2	431800 405295
11	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Darfield/Source Dove(S) Afu Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 13th December 1993 Incident Reference: 148976 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	A14NW (NE)	381	2	431800 405300
12	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Dodworth Dyke At, Falls Bank Estate Adjacent To, Keresforth Hill Road Authority: Environment Agency, North East Region Pollutant: Oils - Unknown Note: Pollution Found; No Fish Killed Incident Date: 10th July 1996 Incident Reference: SH960322 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	A18SE (N)	421	2	431600 405500
13	Pollution Incidents to Controlled Waters Property Type: Textile industry Location: Dodworth Dyke At, BARNSELY Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: No Pollution Found; No Fish Killed Incident Date: 6th December 1996 Incident Reference: SH960492 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	A18SE (N)	454	2	431550 405550
14	Pollution Incidents to Controlled Waters Property Type: Highway/Car Park Location: Darfield/Source Dove(S) Afu Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 21st May 1993 Incident Reference: 144576 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	A14SW (E)	542	2	432000 404800
15	Pollution Incidents to Controlled Waters Property Type: Chemical industry Location: Dodworth, BARNSELY Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: Dodworth Dyke; No Fish Killed Incident Date: 23rd June 1998 Incident Reference: SH980251 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	A17SE (NW)	650	2	431000 405600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Pollution Incidents to Controlled Waters Property Type: Engineering Location: Dodworth Industrial Estate, DODWORTH Authority: Environment Agency, North East Region Pollutant: Oils - Other Oil Note: No Fish Killed Incident Date: 26th April 1996 Incident Reference: SH960237 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	A18NE (NE)	661	2	431750 405695
16	Pollution Incidents to Controlled Waters Property Type: Engineering Location: Dodworth Industrial Estate Authority: Environment Agency, North East Region Pollutant: Oils - Other Oil Note: Pollution Found; No Fish Killed Incident Date: 26th April 1996 Incident Reference: SH960237 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	A18NE (NE)	665	2	431750 405700
17	Pollution Incidents to Controlled Waters Property Type: Engineering Location: Elm Hirst Lane, DODWORTH Authority: Environment Agency, North East Region Pollutant: Oils - Other Oil Note: Pollution Found; No Fish Killed Incident Date: 2nd May 1996 Incident Reference: SH960303 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	A17NE (NW)	896	2	430800 405750
18	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Darfield/Source Dove(S) Afu Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 22nd April 1994 Incident Reference: 150731 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	A14SE (E)	911	2	432400 404900
18	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Darfield/Source Dove(S) Afu Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 22nd April 1994 Incident Reference: 150754 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	A14SE (E)	912	2	432400 404895
	River Quality Name: Dodworth_Dyke GQA Grade: River Quality D Reach: Dodworth_House_Carr_Dyk Estimated Distance (km): 2.7 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A18SE (NE)	307	2	431668 405334



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: House_Carr_Dyke GQA Grade: River Quality B Reach: Bagger_Wood_Dyke_Dodworth_Dyk Estimated Distance (km): 1.6 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A3NE (S)	979	2	431617 403902
	Water Abstractions Operator: The Coal Authority Licence Number: 2/27/08/145/R01 Permit Version: 1 Location: Silkstone Mineshaft-Coal Measures-Straffordcolliery-Barnsley Authority: Environment Agency, North East Region Abstraction: Environmental: Pump & Treat: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Former Strafford Colliery Site, Barnsley Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	1034	2	432200 404154
	Water Abstractions Operator: The Coal Authority Licence Number: 2/27/08/145 Permit Version: 1 Location: Silkstone Mineshaft-Coal Measures-Straffordcolliery-Barnsley Authority: Environment Agency, North East Region Abstraction: Environmental: Pump & Treat: Transfer Between Sources Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Former Strafford Colliery Site, Barnsley Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 17th December 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	1037	2	432200 404150
	Water Abstractions Operator: Trustees Of Silkstone Golf Club Licence Number: 2/27/08/138 Permit Version: 1 Location: Borehole - Coal Measures - Barnsley Authority: Environment Agency, North East Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Silkstone Golf Club, Elmhurst Lane, Silkstone, Barnsley Authorised Start: 01 April Authorised End: 30 November Permit Start Date: 5th October 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NW (NW)	1330	2	430430 405990
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13SE (SW)	0	4	431428 404985



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13NE (N)	0	4	431428 405000
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (N)	0	4	431428 405000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (SW)	0	4	431428 404985
	Superficial Aquifer Designations No Data Available				
	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				
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 276.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13SW (S)	0	5	431406 404884
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13NE (NE)	0	5	431447 404994
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13SE (SE)	1	5	431474 404951
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 182.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13SW (SW)	52	5	431299 404929



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 744.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13SE (S)	83	5	431426 404784
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13SE (SE)	101	5	431537 404814
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13SE (SE)	121	5	431556 404807
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13SE (SE)	121	5	431556 404808
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13SE (SE)	126	5	431559 404802
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13SE (SE)	163	5	431590 404783
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13SE (SE)	203	5	431631 404773
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13NW (W)	233	5	431138 405015
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13NW (W)	239	5	431133 405020



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13NW (W)	245	5	431128 405024
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 269.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	345	5	431036 405063
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 647.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SW (SE)	351	5	431784 404757
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A13NW (NW)	352	5	431140 405313
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NW (NE)	425	5	431877 405248
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NW (NE)	425	5	431878 405245
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NW (NE)	430	5	431865 405288
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A19SW (NE)	433	5	431839 405337
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A19SW (NE)	433	5	431840 405333



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NW (NE)	437	5	431899 405225
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 169.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18SE (NE)	440	5	431751 405437
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18SE (NE)	445	5	431677 405490
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A19SW (NE)	450	5	431816 405391
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A19SW (NE)	450	5	431818 405390
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A19SW (NE)	453	5	431819 405392
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 360.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NW (E)	466	5	431956 405148
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NW (E)	466	5	431956 405148
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NW (E)	468	5	431957 405152



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18SE (N)	468	5	431584 405555
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12SE (W)	515	5	430845 404789
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A19SW (NE)	531	5	431822 405497
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SW (E)	541	5	432035 404950
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 714.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A8SW (S)	576	5	431290 404311
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 244.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A7NE (SW)	593	5	430989 404431
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	604	5	430788 405139
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	604	5	430788 405139
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 180.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NE (W)	609	5	430784 405145



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18NE (N)	611	5	431543 405713
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 659.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18NW (N)	615	5	431330 405719
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18NE (N)	616	5	431539 405718
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18NW (N)	623	5	431378 405733
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18NW (N)	623	5	431379 405733
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18NW (N)	627	5	431366 405737
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 313.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18NW (N)	629	5	431363 405738
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18NE (N)	635	5	431505 405743
67	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12SW (W)	661	5	430698 404775



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12SW (W)	677	5	430682 404773
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 277.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A7SE (SW)	682	5	431039 404295
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18NE (N)	686	5	431485 405796
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 236.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NW (W)	701	5	430687 405146
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NW (W)	702	5	430687 405146
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A18NE (N)	726	5	431559 405827
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 165.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A8SW (S)	732	5	431290 404152
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SE (E)	745	5	432242 404974
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dodworth Dike Catchment Name: Don and Rother Primacy: 1	A14SE (E)	746	5	432244 404975



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12SW (W)	746	5	430611 404779
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A8SE (S)	758	5	431436 404109
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A8SE (S)	758	5	431434 404109
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dodworth Dike Catchment Name: Don and Rother Primacy: 1	A14SE (E)	766	5	432264 404974
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dodworth Dike Catchment Name: Don and Rother Primacy: 1	A14SE (E)	812	5	432301 404912
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 105.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NW (W)	853	5	430541 405190
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dodworth Dike Catchment Name: Don and Rother Primacy: 1	A14SE (E)	885	5	432375 404910
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 479.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: House Carr Dike Catchment Name: Don and Rother Primacy: 1	A8SW (S)	888	5	431422 403979
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 227.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: House Carr Dike Catchment Name: Don and Rother Primacy: 1	A8SE (S)	888	5	431430 403979



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dodworth Dike Catchment Name: Don and Rother Primacy: 1	A14SE (E)	889	5	432379 404909
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: Underground Permanent: True Watercourse Name: Dodworth Dike Catchment Name: Don and Rother Primacy: 1	A14SE (E)	892	5	432381 404898
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SE (E)	892	5	432382 404908
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dodworth Dike Catchment Name: Don and Rother Primacy: 1	A14SE (E)	893	5	432381 404898
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 290.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NE (E)	895	5	432403 404994
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SE (E)	902	5	432401 404989
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SE (E)	905	5	432400 404948
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A23SE (N)	910	5	431590 406008
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 131.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A7SE (SW)	917	5	430913 404096



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 264.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A9SW (SE)	920	5	431947 404092
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NW (W)	930	5	430449 405153
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bagger Wood Dike Catchment Name: Don and Rother Primacy: 1	A3NE (S)	934	5	431650 403954
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: House Carr Dike Catchment Name: Don and Rother Primacy: 1	A3NE (S)	934	5	431650 403954
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NE (E)	941	5	432420 405245
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NE (E)	947	5	432424 405257
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14NE (E)	949	5	432425 405260
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A12NW (W)	950	5	430430 405157
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 2	A12NW (W)	957	5	430436 405202



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A14SE (E)	964	5	432431 404792
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 200.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Dodworth Dike Catchment Name: Don and Rother Primacy: 1	A14SE (E)	966	5	432434 404792
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A15NW (E)	967	5	432441 405269
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 91.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A7SE (SW)	967	5	431012 403994
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 557.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: House Carr Dike Catchment Name: Don and Rother Primacy: 1	A2NE (S)	969	5	431055 403974
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 304.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A15NW (E)	972	5	432445 405275
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A7SE (SW)	979	5	430972 403998
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 226.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A23SE (N)	983	5	431586 406083
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 133.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A11NE (W)	988	5	430396 405175



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 287.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Don and Rother Primacy: 1	A4NW (S)	997	5	431764 403920
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 444.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: House Carr Dike Catchment Name: Don and Rother Primacy: 1	A4NW (S)	997	5	431764 403920
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Bagger Wood Dike Catchment Name: Don and Rother Primacy: 1	A3NE (S)	1000	5	431592 403877

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	BGS Recorded Landfill Sites Site Name: Jermyn Croft Location: Dodworth, BARNSELEY, 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: Moderate	A18SE (NE)	432	-	431659 405485
117	Historical Landfill Sites Licence Holder: Malcom Dawson Secretary Location: South Street, Dodworth, Barnsley Name: South Street Allotments Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04320 First Input Date: 1st December 1992 Last Input Date: 31st January 1993 Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: WD20 920	A13SE (SE)	249	2	431671 404749
118	Historical Landfill Sites Licence Holder: Not Supplied Location: Dodworth, Barnsley Name: Jermyn Croft Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31759 First Input Date: 31st December 1955 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Commercial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 2880 Other Ref: Not Supplied	A18SE (NE)	433	2	431660 405486
119	Historical Landfill Sites Licence Holder: A Monk, Civil Engineering Limited Location: Sports Ground, Dodworth, Barnsley Name: Dodworth Miners Welfare Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04321 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4400/0515 BGS Ref: Not Supplied Other Ref: WD20 B789, 20B789(113), 4400/B789	A18SE (NE)	442	2	431746 405445
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	3	431428 404985
120	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 114 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	A13SE (SE)	220	3	431644 404762

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	<p>Local Authority Recorded Landfill Sites</p> <p>Location: Not Supplied Reference: 113 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards</p> <p>Last Reported Status: Unknown</p> <p>Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate</p>	A18SE (NE)	399	3	431714 405414
122	<p>Registered Landfill Sites</p> <p>Licence Holder: M Dawson (Secretary) Licence Reference: WD20 B 920 Site Location: South Street Allotments, Dodworth, Barnsley, South Yorkshire Licence Easting: 431690 Licence Northing: 404750 Operator Location: 24 Intake Crescent, Dodworth, BARNSLEY, South Yorkshire, S75 3NW 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)</p> <p>Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st December 1992 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: Inert/Non-Haz. Demol./Constr'N Waste Inert/Non-Haz. Soil/Subsoil Prohibited Waste: Asbestos (All Forms) Liquid/Slurry In Drum/Cont'R > 4 L Cap Paper/Cardboard Plasterboard Plastic Waste Of Domestic/Com. Origin Wood</p>	A13SE (SE)	266	2	431690 404750
123	<p>Registered Landfill Sites</p> <p>Licence Holder: A Monk - Civil Engineering Ltd Licence Reference: WD20 B 789 Site Location: Dodworth Miners Welfare, Sports Ground, Dodworth, Barnsley, South Yorkshire Licence Easting: 431800 Licence Northing: 405450 Operator Location: 42 High Street, Boston Spa, WETHERBY, West Yorkshire, LS23 6EA Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st August 1990 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: Inert Soil & Subsoil Prohibited Waste: All Forms Of Asbestos Hazardous Wastes Liquid/Slurry In Drums/Cont'Rs > 4 L Paper/Cardboard Plasterboard Plastic Wood</p>	A19SW (NE)	481	2	431800 405450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13SE (SW)	0	1	431428 404985
124	BGS Recorded Mineral Sites Site Name: Cliff Lane Quarry Location: Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37876 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18SE (N)	339	1	431494 405445
125	BGS Recorded Mineral Sites Site Name: Saville Hall Occs Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205110 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Joan Coal (West And South Yorkshire, And Nottingham) Commodity: Coal - Opencast Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	485	1	431163 404454
126	BGS Recorded Mineral Sites Site Name: Saville Hall Occs Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205111 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Joan Coal (West And South Yorkshire, And Nottingham) Commodity: Coal - Opencast Positional Accuracy: Located by supplier to within 10m	A8SE (S)	614	1	431576 404266
127	BGS Recorded Mineral Sites Site Name: Old Silkstone Collieries Location: Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13330 Type: Underground Status: Ceased Operator: British Coal - South Yorkshire Area Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NW (N)	650	1	431185 405715
128	BGS Recorded Mineral Sites Site Name: New Sovereign Colliery Level Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205086 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Flockton Thick Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8SW (SW)	651	1	431134 404285

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Saville Occs Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205108 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Flockton Thick Coal (West And South Yorkshire) Commodity: Coal - Opencast Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	653	1	431485 404215
130	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Sovereign House Level Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205098 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Flockton Thick Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	658	1	431006 404341
131	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Snow Hill Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37903 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A9NW (SE)	659	1	431932 404417
132	<p>BGS Recorded Mineral Sites</p> <p>Site Name: New Sovereign Colliery Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205079 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Silkstone Coal (West And South Yorkshire And Derbyshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	708	1	431167 404212
132	<p>BGS Recorded Mineral Sites</p> <p>Site Name: New Sovereign Colliery Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205080 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Silkstone Coal (West And South Yorkshire And Derbyshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	719	1	431112 404220
132	<p>BGS Recorded Mineral Sites</p> <p>Site Name: New Sovereign Colliery Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 37898 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	741	1	431125 404192

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	<p>BGS Recorded Mineral Sites</p> <p>Site Name: New Sovereign Colliery Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205082 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fenton Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	763	1	431113 404173
133	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Saville Occs Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205109 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Flockton Thick Coal (West And South Yorkshire) Commodity: Coal - Opencast Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	713	1	430848 404395
133	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Ben Bank Coal Workings Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205100 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Flockton Thick Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	724	1	430869 404361
134	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Ben Bank Farm Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205114 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m</p>	A7NW (SW)	757	1	430719 404483
135	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Ben Bank Level Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205099 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Flockton Thick Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	787	1	430750 404393
136	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Strafford Collieries Air Shaft Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205065 Type: Underground Status: Ceased Operator: Individual'S Name Withheld Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Flockton Thick Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A9SW (S)	792	1	431776 404145

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	<p>BGS Recorded Mineral Sites</p> <p>Site Name: New Sovereign Colliery Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205083 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fenton Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	799	1	431116 404133
137	<p>BGS Recorded Mineral Sites</p> <p>Site Name: New Sovereign Colliery Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205081 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Silkstone Coal (West And South Yorkshire And Derbyshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	832	1	431093 404107
138	<p>BGS Recorded Mineral Sites</p> <p>Site Name: New Sovereign Colliery Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205087 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Flockton Thick Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A8SW (S)	808	1	431149 404113
139	<p>BGS Recorded Mineral Sites</p> <p>Site Name: California Colliery Level Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205084 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fenton Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	823	1	430969 404172
139	<p>BGS Recorded Mineral Sites</p> <p>Site Name: California Colliery Air Shaft Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205085 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fenton Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	853	1	430923 404163
140	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Saville Hall Occs Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205112 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Joan Coal (West And South Yorkshire, And Nottingham) Commodity: Coal - Opencast Positional Accuracy: Located by supplier to within 10m</p>	A9SW (SE)	823	1	431849 404147

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Falthwaite Bottoms Drift Location: Hood Green, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205077 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fenton Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A3NW (S)	917	1	431247 403973
141	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Falthwaite Bottoms Drift Location: Hood Green, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205078 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fenton Coal (West And South Yorkshire) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A3NW (S)	926	1	431264 403960
142	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Boggard Wood Occs Location: Dodworth Bottom, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205107 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Fenton Coal (West And South Yorkshire) Commodity: Coal - Opencast Positional Accuracy: Located by supplier to within 10m</p>	A7SW (SW)	950	1	430665 404243
143	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Falthwaite Bottoms Drift Location: Hood Green, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205076 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Parkgate Coal (West And South Yorkshire And Nottingham) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A3NW (S)	961	1	431102 403967
144	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Falthwaite Bottoms Bell Pits Location: Hood Green, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205075 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Parkgate Coal (West And South Yorkshire And Nottingham) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A2NE (S)	966	1	431071 403972
144	<p>BGS Recorded Mineral Sites</p> <p>Site Name: Falthwaite Bottoms Bell Pits Location: Hood Green, Dodworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 205074 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Parkgate Coal (West And South Yorkshire And Nottingham) Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m</p>	A2NE (S)	989	1	431038 403960

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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.	A13SE (SW)	0	6	431428 404985
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (SW)	0	-	431428 404985
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	431489 405084
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	431428 405000
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	431428 404985
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	150	1	431644 405000
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	193	1	431369 404686
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	431428 404985
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	431428 405000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	431428 404985
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	431428 405000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	228	1	431188 405135
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	431428 405000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	431428 404985
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	431428 405000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	431428 404985
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	431425 404949
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	194	1	431551 404701
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	200	1	431181 405039
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	431428 404985

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	A13NE (N)	0	1	431428 405000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	228	1	431188 405135
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	431395 404902
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	431428 404985
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	431428 405000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	11	1	431491 405096
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	178	1	431364 404702
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	192	1	431688 405000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	195	1	431172 405000
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (SW)	0	1	431428 404985
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	431428 405001
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	431450 405001
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	431475 405076
	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	A13SE (SW)	0	1	431428 404985
	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	A13NE (N)	0	1	431428 405001
	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	A13NE (NE)	0	1	431450 405001
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	431475 405076



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	<p>Contemporary Trade Directory Entries</p> <p>Name: Dodworth Motor Bodies Location: Green Road, Dodworth, Barnsley, South Yorkshire, S75 3RS Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SW (W)	92	-	431268 404961
145	<p>Contemporary Trade Directory Entries</p> <p>Name: Dodworth Motor Bodies Location: Green Road, Dodworth, Barnsley, South Yorkshire, S75 3RS Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13SW (W)	92	-	431268 404961
146	<p>Contemporary Trade Directory Entries</p> <p>Name: Paragon Auto Care Location: 1, High Street, Dodworth, Barnsley, South Yorkshire, S75 3RF Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (N)	138	-	431503 405234
147	<p>Contemporary Trade Directory Entries</p> <p>Name: Dodworth Domestic Location: 31, High Street, Dodworth, Barnsley, South Yorkshire, S75 3RF Classification: Refrigerators & Freezers - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	141	-	431587 405185
148	<p>Contemporary Trade Directory Entries</p> <p>Name: Funkycap.Com Location: 23-25, Station Road, Dodworth, Barnsley, South Yorkshire, S75 3JE Classification: Hats & Caps - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A13NW (N)	214	-	431330 405302
149	<p>Contemporary Trade Directory Entries</p> <p>Name: Clothes Quarters Location: 43, Barnsley Road, Dodworth, Barnsley, South Yorkshire, S75 3JW Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18SE (N)	269	-	431491 405375
150	<p>Contemporary Trade Directory Entries</p> <p>Name: Ryan Batty Location: 34, Baslow Crescent, Dodworth, Barnsley, South Yorkshire, S75 3SG Classification: Farriers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A13NW (NW)	272	-	431213 405277
151	<p>Contemporary Trade Directory Entries</p> <p>Name: Eco Heat Location: 3, Wentworth Way, Dodworth, Barnsley, South Yorkshire, S75 3RA Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	287	-	431766 404925
152	<p>Contemporary Trade Directory Entries</p> <p>Name: Gearbox World Location: 117, High Street, Dodworth, Barnsley, South Yorkshire, S75 3RQ Classification: Gearboxes Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	406	-	431899 404964
153	<p>Contemporary Trade Directory Entries</p> <p>Name: Gareth Jackson European Transport Location: 24, Stainborough Road, Dodworth, Barnsley, S75 3NA Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A14SW (SE)	409	-	431854 404787
153	<p>Contemporary Trade Directory Entries</p> <p>Name: Buckley Farm Dairy Location: Stainborough Rd, Dodworth, Barnsley, South Yorkshire, S75 3NA Classification: Dairies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location</p>	A14SW (E)	415	-	431870 404811
154	<p>Contemporary Trade Directory Entries</p> <p>Name: M A Midgley Location: 61, Rose Hill Drive, Dodworth, Barnsley, South Yorkshire, S75 3LY Classification: Refrigerators & Freezers - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (NE)	447	-	431879 405297

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
155	<p>Contemporary Trade Directory Entries</p> <p>Name: The Handmade Furniture Co Location: 72, Green Road, Dodworth, Barnsley, South Yorkshire, S75 3RT Classification: Cabinet Makers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	497	-	430942 404618
155	<p>Contemporary Trade Directory Entries</p> <p>Name: White Rose Designs Location: 68, Green Road, Dodworth, Barnsley, South Yorkshire, S75 3RT Classification: Knitwear Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A7NE (SW)	506	-	430927 404623
156	<p>Contemporary Trade Directory Entries</p> <p>Name: Pro-Tip Location: New St, Dodworth, Barnsley, South Yorkshire, S75 3NR Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A14SW (E)	498	-	431949 404786
156	<p>Contemporary Trade Directory Entries</p> <p>Name: Pro Tip Location: 2, New Street, Dodworth, Barnsley, South Yorkshire, S75 3NR Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SW (E)	505	-	431967 404816
157	<p>Contemporary Trade Directory Entries</p> <p>Name: Crown Decorating Centres Location: Unit 3, Wortley Court, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Painting & Decorating Supplies Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	499	-	431062 405450
157	<p>Contemporary Trade Directory Entries</p> <p>Name: Ham Baker Location: Norec House, Fall Bank Industrial Estate, Dodworth, Barnsley, S75 3LS Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	500	-	431039 405425
158	<p>Contemporary Trade Directory Entries</p> <p>Name: Mr Shift-It Location: 24, Queens Drive, Dodworth, Barnsley, South Yorkshire, S75 3LW Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14NW (NE)	536	-	431964 405326
159	<p>Contemporary Trade Directory Entries</p> <p>Name: Kellpest Environmental Bird & Pest Control Location: 93, Intake Crescent, Dodworth, BARNLSLEY, South Yorkshire, S75 3NW Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	556	-	431844 404473
160	<p>Contemporary Trade Directory Entries</p> <p>Name: J C Wall & Son Recoveries Location: 38, Middleton Grove, Dodworth, BARNLSLEY, South Yorkshire, S75 3FD Classification: Car Breakdown & Recovery Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	557	-	431413 405669
161	<p>Contemporary Trade Directory Entries</p> <p>Name: R G Plumbing & Heating Location: 73, South Road, Dodworth, Barnsley, South Yorkshire, S75 3LQ Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	584	-	431936 405458
162	<p>Contemporary Trade Directory Entries</p> <p>Name: B & B Tractors Location: Higham Lane, Dodworth, BARNLSLEY, South Yorkshire, S75 3LA Classification: Agricultural Vehicles Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	592	-	431639 405667

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
163	<p>Contemporary Trade Directory Entries</p> <p>Name: Babyway International Location: Hugh House, Dodworth Business Park, Dodworth, Barnsley, S75 3SP Classification: Children & Babywear - Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	598	-	431220 405673
163	<p>Contemporary Trade Directory Entries</p> <p>Name: Nield On Demand Location: Hugh House, Dodworth Business Park, Dodworth, Barnsley, S75 3SP Classification: Perfume Suppliers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	598	-	431220 405673
163	<p>Contemporary Trade Directory Entries</p> <p>Name: Icon Distillers Location: Hugh House, Dodworth Business Park, Dodworth, Barnsley, South Yorkshire, S75 3SP Classification: Distilleries Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A18NW (N)	598	-	431220 405673
164	<p>Contemporary Trade Directory Entries</p> <p>Name: John Walker (Barnsley) Ltd Location: Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	605	-	430913 405428
164	<p>Contemporary Trade Directory Entries</p> <p>Name: John Truswell & Sons Ltd Location: Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	605	-	430913 405428
164	<p>Contemporary Trade Directory Entries</p> <p>Name: Albion Valves UK Ltd Location: 9a, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Valve Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	605	-	430913 405428
165	<p>Contemporary Trade Directory Entries</p> <p>Name: Siroflex Location: Unit 4, Dodworth Business Park, Dodworth, Barnsley, South Yorkshire, S75 3SP Classification: Silicones Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	612	-	431021 405568
166	<p>Contemporary Trade Directory Entries</p> <p>Name: Eroda House Ltd Location: Fall Bank Indust Est, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A17SE (NW)	640	-	430925 405506
166	<p>Contemporary Trade Directory Entries</p> <p>Name: Brairim Location: Fall Bank Ind Est, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A17SE (NW)	646	-	430927 405518
166	<p>Contemporary Trade Directory Entries</p> <p>Name: Haywood Engineering Services Location: 2, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	649	-	430948 405548
167	<p>Contemporary Trade Directory Entries</p> <p>Name: Amity Ltd Location: Friendship House Unit 1, Dodworth Business Park, Dodworth, Barnsley, South Yorkshire, S75 3SP Classification: Chemicals - Distributors & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	647	-	431075 405654



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	<p>Contemporary Trade Directory Entries</p> <p>Name: Koyo Bearings (Europe) Ltd Location: Friendship House Unit 1, Dodworth Business Park, Dodworth, Barnsley, South Yorkshire, S75 3SP Classification: Bearing Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	647	-	431075 405654
168	<p>Contemporary Trade Directory Entries</p> <p>Name: S D F Haulage Location: 26, Higham Lane, Dodworth, Barnsley, South Yorkshire, S75 3LA Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	667	-	431589 405760
169	<p>Contemporary Trade Directory Entries</p> <p>Name: Remploy Furniture Group Ltd Location: 15-16, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	672	-	430865 405479
169	<p>Contemporary Trade Directory Entries</p> <p>Name: Excel Furniture Remploy Ltd Location: 15-16, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	672	-	430865 405479
169	<p>Contemporary Trade Directory Entries</p> <p>Name: Evolve Supply Ltd Location: Unit 5 Fall Bank Ind Est, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality</p>	A17SE (NW)	673	-	430865 405479
169	<p>Contemporary Trade Directory Entries</p> <p>Name: Road Solutions Ltd Location: 14, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Road Marking & Surfacing Equipment & Material Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	683	-	430846 405468
169	<p>Contemporary Trade Directory Entries</p> <p>Name: Osbourne Technologies Ltd Location: 14, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Computer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	683	-	430846 405468
169	<p>Contemporary Trade Directory Entries</p> <p>Name: Road Solutions Location: 14, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	683	-	430846 405468
169	<p>Contemporary Trade Directory Entries</p> <p>Name: Sandtek Door Services Ltd Location: 13, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Door Manufacturers - Industrial Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	692	-	430843 405479
169	<p>Contemporary Trade Directory Entries</p> <p>Name: D K Polythene Ltd Location: Unit 16A, Fall Bank Ind Est, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A17SE (NW)	697	-	430853 405504
169	<p>Contemporary Trade Directory Entries</p> <p>Name: R C International Ltd Location: Unit 9, Fall Bank Ind Est, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A17SE (NW)	710	-	430834 405500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	<p>Contemporary Trade Directory Entries</p> <p>Name: Magna Colours Location: Unit 3, Dodworth Business Park, Dodworth, Barnsley, S75 3SP Classification: Paint Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	680	-	430967 405612
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Dodworth M O T Centre Location: 5, Fall Bank Industrial Estate, Dodworth, Barnsley, S75 3LS Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	681	-	430916 405560
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Fibre Optic Carpets Location: 5 Fall Bank Ind Est, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Fibre Optics Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A17SE (NW)	681	-	430921 405566
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Nemesis Lighting Location: 5, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Lighting Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A17SE (NW)	681	-	430922 405566
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Dmb Dodworth Motor Bodies Location: Unit 5 Fall Bank Ind Est, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A17SE (NW)	681	-	430921 405565
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Lyon Panelcraft Location: 5, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	681	-	430922 405566
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Plant Glazing Services Location: Unit 6 Fall Bank Ind Est, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location</p>	A17SE (NW)	702	-	430889 405561
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Logic Window Systems Location: 6-7, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Window Frame Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	703	-	430889 405562
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Ramset Fasteners Ltd Location: 6, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Fasteners & Fixing Devices Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	703	-	430889 405562
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Plant Glazing Services Location: 6, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	703	-	430889 405562
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Planet Glazing Services Location: 6, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	703	-	430889 405562

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Hometyre Yorkshire Location: 7, Fall Bank Industrial Estate, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Tyre Repairs & Retreading Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	703	-	430889 405562
171	<p>Contemporary Trade Directory Entries</p> <p>Name: Logic Conservatories & Windows Location: 6-7, Fall Bank Industrial Estate, Dodworth, Barnsley, S75 3LS Classification: PVC-U Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	707	-	430884 405563
171	<p>Contemporary Trade Directory Entries</p> <p>Name: K D A Wholesale Location: 8, Fall Bank Industrial Estate, Dodworth, Barnsley, S75 3LS Classification: Do It Yourself Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	739	-	430845 405565
172	<p>Contemporary Trade Directory Entries</p> <p>Name: A B I Electronics Ltd Location: Unit 2, Dodworth Business Park, Dodworth, Barnsley, South Yorkshire, S75 3SP Classification: Electronic Equipment - Manufacturers & Assemblers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	683	-	431014 405654
173	<p>Contemporary Trade Directory Entries</p> <p>Name: Goldcrest Chemicals Ltd Location: Dodworth Business Park, Dodworth, Barnsley, S75 3SP Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	707	-	431124 405750
174	<p>Contemporary Trade Directory Entries</p> <p>Name: John Truswell & Sons Garage Ltd Location: Fall Bank Industrial Estate, Dodworth, Barnsley, S75 3LS Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	723	-	430761 405393
175	<p>Contemporary Trade Directory Entries</p> <p>Name: Ultrakil Pest Control Location: 2, Birchfield Crescent, Dodworth, Barnsley, S75 3NZ Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	730	-	432059 405537
175	<p>Contemporary Trade Directory Entries</p> <p>Name: Birchfield Pest Management Location: 2, Birchfield Crescent, Dodworth, Barnsley, South Yorkshire, S75 3NZ Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	730	-	432059 405537
176	<p>Contemporary Trade Directory Entries</p> <p>Name: Scott Green Roofing & Joinery Location: 41, Bradwell Avenue, Dodworth, Barnsley, South Yorkshire, S75 3QU Classification: Cladding Suppliers & Installers Status: Active Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	754	-	432150 404585
177	<p>Contemporary Trade Directory Entries</p> <p>Name: Xtraflex Location: 10, Fall Bank Industrial Estate, Dodworth, Barnsley, S75 3LS Classification: Hose, Tubing & Fittings Status: Active Positional Accuracy: Automatically positioned to the address</p>	A17SE (NW)	756	-	430797 405526
178	<p>Contemporary Trade Directory Entries</p> <p>Name: Foiled Again Location: 1, The Link, Dodworth, Barnsley, South Yorkshire, S75 3QG Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address</p>	A14SE (E)	775	-	432252 404854



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
179	Contemporary Trade Directory Entries Name: E-Freight Location: 9 Fall Bank Ind Est, Dodworth, Barnsley, South Yorkshire, S75 3LS Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	797	-	430784 405580
180	Contemporary Trade Directory Entries Name: Langdon Industries Ltd Location: Dodworth Business Park, Dodworth, Barnsley, S75 3SP Classification: Distribution Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	801	-	431121 405852
181	Contemporary Trade Directory Entries Name: Jdf Transport & Warehousing Ltd Location: Middle Field Road, Silkstone, Barnsley, South Yorkshire, S75 4LS Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	857	-	430748 405632
182	Contemporary Trade Directory Entries Name: Birchfield Supplies Location: 20, Orchard Croft, Dodworth, Barnsley, South Yorkshire, S75 3QY Classification: Insulation Materials Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	857	-	432349 404927
183	Contemporary Trade Directory Entries Name: A Davies Transport Ltd Location: Fall Bank Industrial Estate, Dodworth, Barnsley, S75 3LS Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	892	-	430664 405570



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	Areas of Adopted Green Belt Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Proposal Map Status: Adopted Plan Date: 3rd January 2019	A13SW (S)	0	8	431410 404884
185	Nitrate Vulnerable Zones Name: River Dearne Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SE (SW)	0	4	431428 404985

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Environment Agency - Head Office Wakefield City Metropolitan District Council - Environmental Health	January 2020 June 2020 October 2017	Annual Rolling Update Annually Annual Rolling Update
Discharge Consents Environment Agency - North East Region	January 2022	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	March 2013	
Integrated Pollution Controls Environment Agency - North East Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North East Region	January 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	April 2014 June 2014	Variable Variable
Local Authority Pollution Prevention and Controls Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	April 2014 June 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	April 2014 June 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	February 2022	
Pollution Incidents to Controlled Waters Environment Agency - North East Region	December 1998	
Prosecutions Relating to Authorised Processes Environment Agency - North East Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	March 2013	
Registered Radioactive Substances Environment Agency - North East Region	June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	January 2022 January 2022	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	January 2022	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2022	Quarterly
Flood Defences Environment Agency - Head Office	February 2022	Quarterly
OS Water Network Lines Ordnance Survey	January 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	January 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	January 2022 January 2022	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	January 2022 January 2022	Quarterly Quarterly
Local Authority Landfill Coverage Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health	October 2018 October 2018	
Registered Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Wakefield City Metropolitan District Council Barnsley Metropolitan Borough Council - Planning Department	February 2016 January 2016	Variable Variable
Planning Hazardous Substance Consents Wakefield City Metropolitan District Council Barnsley Metropolitan Borough Council - Planning Department	February 2016 January 2016	Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2021	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Wakefield City Metropolitan District Council	October 2020 October 2020	Quarterly Quarterly
Areas of Unadopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Wakefield City Metropolitan District Council	October 2020 October 2020	Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	January 2021	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology <small>NATURAL ENVIRONMENT RESEARCH COUNCIL</small>
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	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	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	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
-	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.









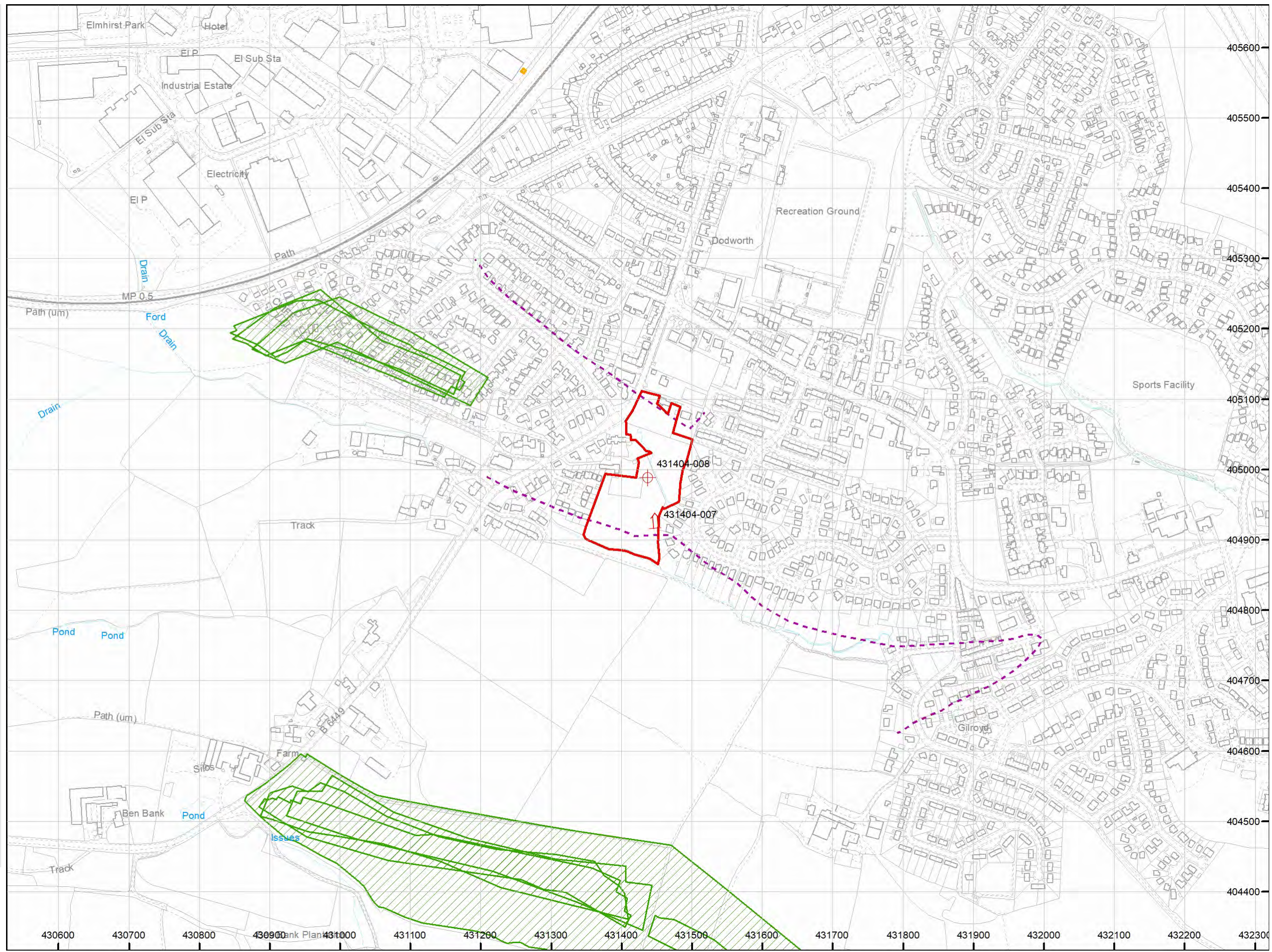
APPENDIX C

COAL AUTHORITY CONSULTANTS COAL MINING REPORT

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

- Approximate position of the enquiry boundary shown 
- Disused mine shaft 
- Disused adit 
- Outcrop (Conjectured) 
- Unlicensed opencast site 
- Mine gas remedial works 



How to contact us
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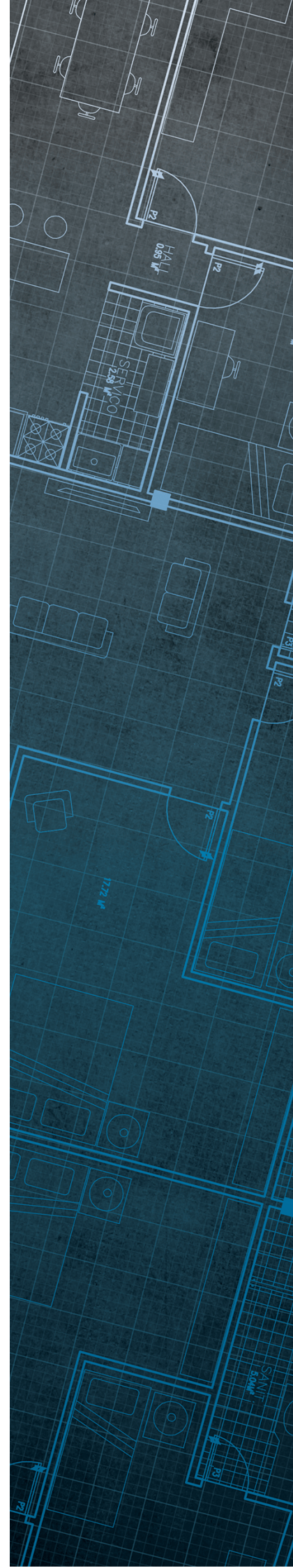
The Coal
Authority

Consultants Coal Mining Report

Dodworth Green Road
Dodworth
Barnsley
South Yorkshire
S75 3RR

Date of enquiry: 16 May 2022
Date enquiry received: 16 May 2022
Issue date: 16 May 2022

Our reference: 51003134703001
Your reference: 295530263_2



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

NLIS Hub

Enquiry address

Dodworth Green Road
Dodworth
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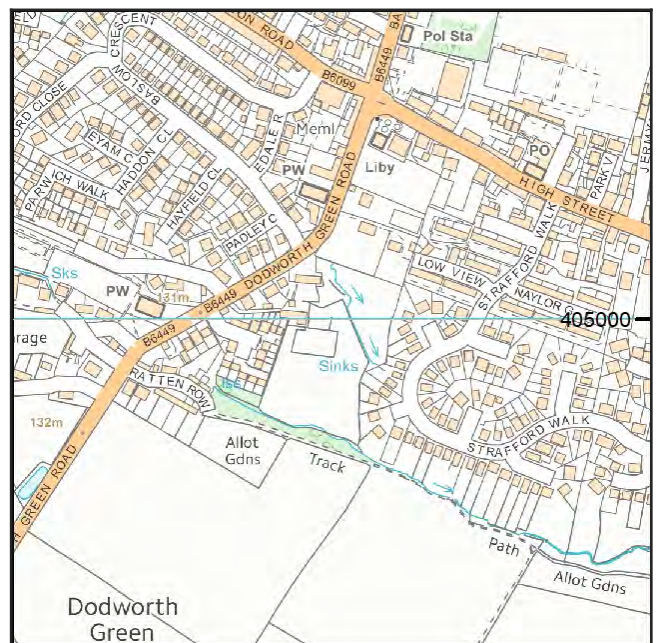
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 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
unnamed	FLOCKTON THICK	Coal	6I4M	14	Beneath Property	4.3	North-East	61	1885
DODWORTH	TOP FENTON	Coal	6I4R	52	Beneath Property	7.1	North-East	71	1915
DODWORTH	TOP FENTON	Coal	6I4X	58	Beneath Property	3.5	North-East	71	1911
unnamed	PARKGATE	Coal	6I4G	76	Beneath Property	2.6	East	155	1912
DODWORTH	PARKGATE	Coal	6I4X	79	Beneath Property	3.6	North-East	151	1911
unnamed	SILKSTONE	Coal	6I43	155	Beneath Property	3.5	East	147	1893
unnamed	SILKSTONE	Coal	6I53	155	Beneath Property	3.7	North-East	147	1880
unnamed	WHINMOOR	Coal	6I3X	203	Beneath Property	3.9	North-East	138	1961
unnamed	WHINMOOR	Coal	6I55	206	North-West	3.6	North-East	116	1960

Probable unrecorded shallow workings

Yes.

Spine roadways at shallow depth

Distance to spine roadway (m)	Direction to spine roadway
Within	N/A

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Adit	431404-007	431448 404918		Coal	
Shaft	431404-008	431438 404988		Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

M197	NE565	3919
NE469	NE584	M200
SY96	SY35	NE1034

Our records show we have more plans than those shown above which could affect the enquiry boundary.

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
FLOCKTON THICK	Coal	Yes	Within	N/A	92
JOAN	Coal	Yes	Within	N/A	123

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

Please refer to the "Summary of findings" map (on separate sheet) for details of any opencast areas within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

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

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

The Coal 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

Distance to gas incident/remediation (m)	Direction
481.8	North

See Section 4 for further information.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices

The property is not in an area where a notice to withdraw support has been given.

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

Payments to owners of former copyhold land

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

Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

Mine gas remedial works

The site is within an area of previous interest. It is close to where the Coal Authority has investigated and subsequently remediated the effects of mine or ground gas emissions following specific reported hazards.

The site requires further investigation and may influence your risk assessment. We recommend that you order the **Coal Authority Mine Gas Emission Report**, which will include more information about the hazard.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.



APPENDIX D

QUALITATIVE RISK ASSESSMENT METHODOLOGY



Qualitative Risk Assessment Methodology

The approach adopted by Sirius for the qualitative assessment of risk is based upon that given in Annex 4 of NHBC-Environment Agency-CIEH “Guidance for the Safe Development of Housing on Land Affected by Contamination” (2008) and is consistent with other current guidance.

The risk posed by viable contaminant linkages is based upon the consideration of both:

- a) the magnitude of the potential consequence (i.e. its severity); and,
- b) the probability (likelihood) of that consequence being realised.

The classifications used in this report for consequence and probability are given in Tables 1 and 2, respectively. The derived risk classifications are defined in Table 3.

Where there is no viable contaminant linkage there is no potential risk.

Table 1. Classification of Consequence

Classification	Definition
Severe	<p>Contaminant concentrations at the receptor that are likely to result in “significant harm” to human health (as defined in Part 2A of the Environmental Protection Act 1990).</p> <p>Major pollution of controlled waters that could have persistent and/or extensive effects on water quality, for example fish kills, closure of an abstraction, or substantial deterioration in quality of the receiving water body.</p> <p>Major impact on receptor amenity value or major damage to agriculture or commerce.</p> <p>Major damage to an ecosystem that is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long-term maintenance of the population.</p> <p>Catastrophic damage to crops, buildings or property.</p>
Medium	<p>Elevated concentrations at the receptor that might result in “significant harm” to human health (as defined in Part 2A of the Environmental Protection Act 1990).</p> <p>A pollution incident that has significant effect on water quality or abstraction potential.</p> <p>An incident that has a marked effect on receptor amenity value, agriculture or commerce.</p> <p>Damage to an ecosystem that may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population.</p> <p>Significant damage to crops, buildings or property.</p>



Classification	Definition
Mild	<p>Potential human health impact at the receptor point but unlikely to be classified as “significant harm” (as defined in Part 2A of the Environmental Protection Act 1990).</p> <p>Pollution of water that will have a small or short-lived effect on water quality and marginal effects on its amenity or resource value or its use in agriculture or commerce.</p> <p>Minor or short-lived damage to ecosystems, which is unlikely to result in a substantial adverse change</p> <p>Minor damage to crops, buildings or property</p>
Minor	<p>No potential measurable detrimental human health impacts at the receptor point.</p> <p>Impact on water that will have no or minimal effect on water quality or use.</p> <p>No or minor and easily repairable effects on buildings, structures and services.</p>

Table 2. Classification of Probability

Classification	Definition
High	An impact is already occurring or is very likely in the short-term and almost inevitable over the long-term.
Medium	It is probable that an event would occur. This is not inevitable but possible in the short-term and likely over the long-term.
Low	Circumstances are possible under which an event could occur. However, it is by no means certain that an event will take place, even over the long-term.
Unlikely	Circumstances are such that it is improbable that an event would occur even over the very long-term.

Table 3. Risk Classification

Probability	Consequence			
	<i>Severe</i>	<i>Medium</i>	<i>Mild</i>	<i>Minor</i>
<i>High</i>	Very High	High	Moderate	Low
<i>Medium</i>	High	Moderate	Low to Moderate	Low
<i>Low</i>	Moderate	Low to Moderate	Low	Very Low
<i>Unlikely</i>	Low to Moderate	Low	Very Low	Negligible



Table 4 provides a context for interpretation of the risk classification categories. The definitions provided are based on those given in CIRIA (2001) "Contaminated Land Risk Assessment. A Guide to Good Practice", Report C552.

Table 4. Interpretation of Risk Classification Categories

Risk Classification	Definition
Very High	There is a high probability that severe harm to one or more identified receptors could occur or there is evidence that this is already happening. This risk is likely to result in a substantial liability. Urgent investigation and remediation are likely to be required.
High	Harm is likely to be caused to one or more identified receptors. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required and remedial works may be necessary in the short-term and are likely over the longer term.
Moderate	It is possible that harm could be caused to one or more identified receptors. However, it is relatively unlikely that such harm would be severe. Investigation is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
Low	It is possible that harm could be caused to one or more identified receptors but it is likely that this harm, if realised, would normally be mild. No further investigation is considered necessary to assess risk or environmental liability but investigations could be undertaken if desired to confirm 'baseline' conditions for the purposes of liability management. Remedial works are unlikely to be required.
Very Low	There is a low probability that harm could be caused to one or more identified receptors. In the event of such harm being realised, it is likely to be mild, at worst. No further investigation is considered necessary to assess risk or environmental liability but investigations could be undertaken if desired to confirm 'baseline' conditions for the purposes of liability management. Remedial works are very unlikely to be required.
Negligible	It is unlikely that harm could be caused to one or more identified receptors. In the event of harm being realised, it is likely to be minor. No further investigation is considered necessary to assess risk or environmental liability. Remedial works are not expected.

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