LK CONSULT LIMITED

PART OF THE LK GROUP

LAND AT
GLEBE COURT, WESTWOOD NEW ROAD,
TANKERSLEY

PRELIMINARY
RISK ASSESSMENT

(PHASE 1 DESK STUDY)



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Document Verification

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1 INTRODUCTION

1.1 Introduction

LK Consult Ltd (LKC) has been commissioned by Lancaster Maloney Ltd (e-mail dated 16th January 2012) to carry out a Preliminary Risk Assessment (PRA) for land at Glebe Court, Westwood New Road, Tankersley. The PRA was undertaken in support of a future planning application to develop the site for residential use and a community park.

According to guidance set out in PPS23[1] and CLR11[2] a PRA with a site reconnaissance is required as a minimum to ascertain if there is a potential contamination risk. In accordance with current guidance the PRA report will include a site reconnaissance, site history, geology, hydrogeology, hydrology, and a landfill search (within 250m of the site boundary). Information gathered from the desk study and site reconnaissance will be used to develop a contamination conceptual model for the site, which will support the identification and assessment of any pollutant linkages. Based on the findings of the PRA an appropriate site investigation can be derived, if required.

1.2 Background

The site is located on Westwood New Road in the area of Tankersley at National Grid Reference 434479E 399964N (Figure 1-1). The site is bounded by Glebe Court and residential properties to the north and east, the A61 to the south and Westwood New Road to the west. It is understood that the site has most recently been used for Horse Grazing.

The site is approximately 0.68ha in size (see Figure 1-2). The site generally falls in a north-easterly direction. The highest point on the site is 153.16m AOD in the western part of the site. The lowest point on the site is 148.86m AOD in the eastern part of the site. The site proposed layout is indicated in Figure 1-3 and comprises of twenty residential dwellings with an associated community park/village green.

1.3 Disclaimer

This report has been prepared by LKC who have exercised such professional skill, care and diligence as may reasonably be expected of a properly qualified and competent consultant experienced in preparing reports of a similar scope.

However, to the extent that the report is based on or relies upon information contained in records, reports or other materials provided to LKC which have not been independently produced or verified, LKC gives no warranty, representation or assurance as to the accuracy or completeness of such information.

This report is prepared solely for the benefit of Lancaster Maloney Ltd. It may not be relied upon by, or submitted to a third party for their reliance for the purposes of valuation, mortgage, insurance and regulatory approval, until all invoices have been settled in full.

Those using this information in subsequent assessments or evaluations do so at their own risk.

[1] ODPM (2004). "Planning Policy Statement 23: Planning and Pollution Control." PPS23
[2] EA (2004). "Model Procedures for the Management of Land Contamination." R&D Publication CLR 11



Contains Ordnance Survey data © Crown copyright and database right 2010

Figure 1-1: Location Plan, Westwood New Road, Tankersley

Drawn: January 2012 Scale: ~ 1:25,000 @ A4

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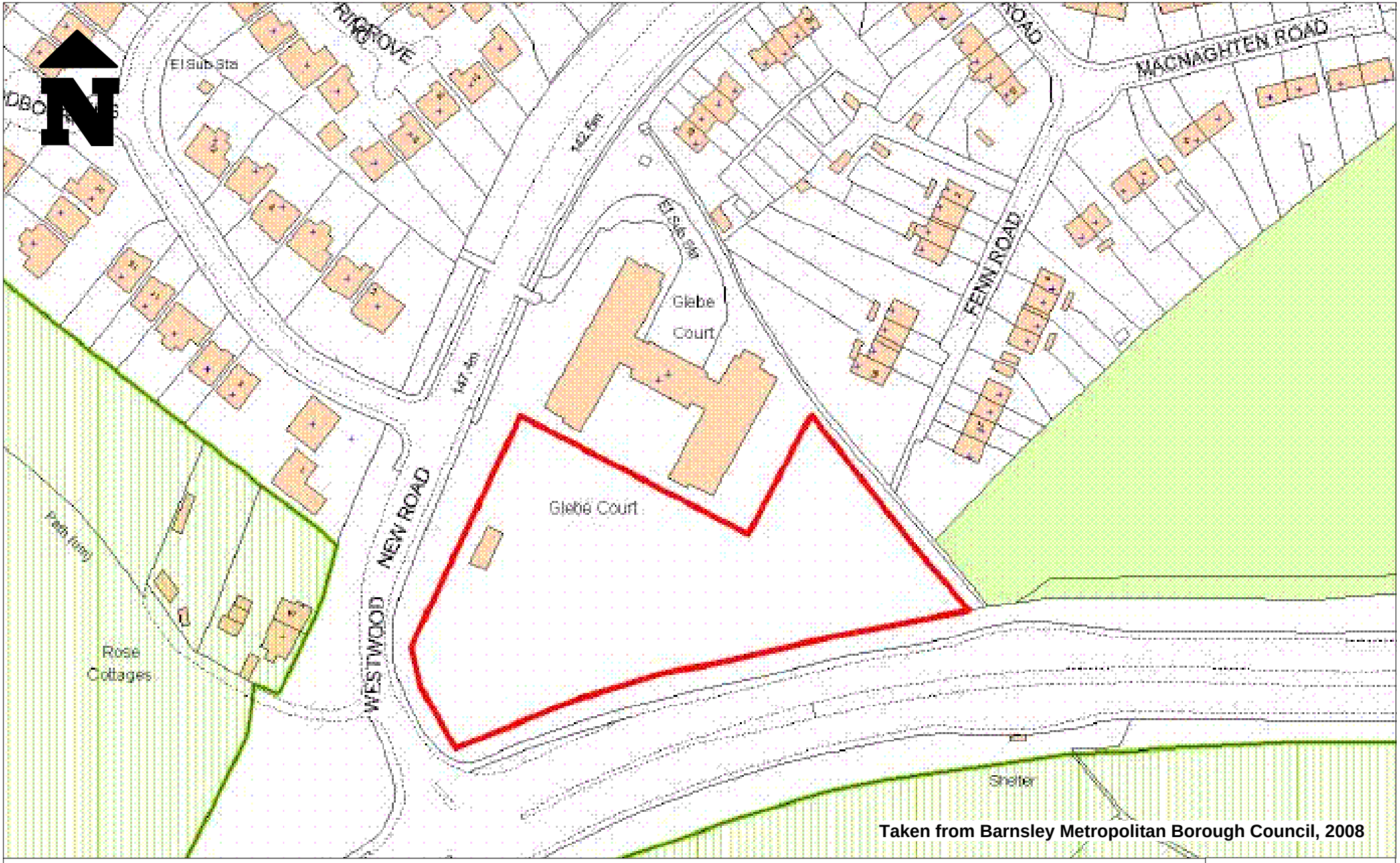


Figure 1-2: Site boundary Plan, Westwood New Road, Tankersley

Drawn: January 2012 **Scale:** NTS

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Taken from Bowker Sadler, 2011

Figure 1-3: Draft Masterplan, Westwood New Road, Tankersley
Drawn: January 2012 Scale: ~1:400 @ A4

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2 SITE HISTORY

2.1 Introduction

In compiling the site history, LKC consulted mapping and other environmental data provided by the Landmark Information Group Ltd. Copies of relevant historical plans are provided in Appendix A and are summarised below. Notable features within 100m of the site boundary have been presented (distances will be approximate). The exception to this will be features that could be infilled historically. The buffer will be 250m for these features.

Site Features	**Location**	**Map Dates Present**	**Comments**
Footpath	On eastern boundary	1893-present	-Leading from Rectory Farm to Birdwall station.
Surrounding Area Features	**Distance/ Location**	**Map Dates Present**	**Comments**
Old Quarry	250m NW	1893- 1957	
Embankment	Adjacent to Western boundary	1931-present	-Cutting between site and renamed Westwood Main Road (originally called Moor Lane). Sloping down from site to road.
Tank	Adjacent eastern boundary	1931-1948	-Tank no longer present in 1957 mapping -Residential houses east of the tank by 1931. -Use of the tank unknown.
Pond	220m NW	1957-present	
Tip	130m W	1931-1989	- Situated in Potter Holes plantation. - Evacuations commenced in 1931, shown as 'Tip (disused)' from 1970. No longer shown in 1992 mapping.
Electric Sub-station	70m NE	1993-present	
Embankment	Adjacent southern boundary	1970-present	- Present A61 south of site constructed by 1970. - Embankment slopes down from site to road.
Glebe Court	5m NE	1980-present	Residential houses 50m north of site from 2006 mapping.

3 ENVIRONMENTAL SETTING

3.1 Introduction

In compiling this Section, LKC consulted environmental information provided by the British Geological Survey (BGS), Envirocheck Report (Appendix B), Natural England, the Coal Authority (Appendix C), and the Environment Agency.

Summary of Environmental Settings			
Geology	Superficial		- Absent
	Bedrock		-Haigh Moor Rock, Middle Coal Measures. -Pennine Middle Coal Measures Formation extreme western extent of site.
	Faulting		- 1 Fault ~10m SW, striking NW – SE. - Dip direction unknown.
	BGS logs		-Nearest 250m NE: -Made ground to 3mbgl, weathered Sandstone and Mudstone encountered between 3-9.85mbgl including coal between 4.70mbgl-5.15mbgl.
Hydrogeology	Aquifer Designation	Superficial	-No data available.
		Bedrock	-Secondary A.
	Groundwater vulnerability		-Soils of High Leaching Potential (H3).
	Groundwater abstractions		-None within 500m.
Hydrology	Nearest surface water		-Pond 232m west (may be source of Birdwell Dike).
	Flooding		-No risk.
	Surface water abstractions		-None within 500m.
	Discharge consent		-Two within 500m. Nearest 308m NW – trade effluent.
	Pollution Incidents		-None within 250m.
Mining	Coal Mining Referral Area		-Standing Advice. A Referral Area is present to the north west of Westwood New Road.
	Coal Authority Report		-8 Coal seams at 30m to 310m deep, last worked 1965. Any ground movement from these coal workings should have stopped by now. -Coal believed to be at or close to the surface which may have been worked at some time in the past. -Not in the likely influence of any present underground coal workings. -No shafts present within 20m of the site.
	Mineral Abstraction		-13 mineral extractions within 1km of the site. Nearest 359m NW (opencast)
Landfill sites (within 250m)	Known/Registered		None
	Potential		-Old Quarry 250m NW of the site, potentially infilled by 1957 mapping. - Tip 130m west.
Radon			-Probability of <1% of homes above Action Level. -No further action required.
Designated Sites			-Adopted Green Belt 33m S. - Local Nature Reserve (Potter Holes Plantation) 45m W.

	- Site is in Nitrate Vulnerable zone
Contemporary Trade Directory	-None within 250m, nearest 491m NE (Gunsmiths).

4 SITE RECONNAISSANCE

A site reconnaissance of the study site area was carried out by LKC on the 16th January 2012. Photographs are provided in Appendix D.

The site was accessed off Westwood New Road via a gap in the fence way (Appendix D, Photograph 2). The site could also be accessed via the pathway that runs along the eastern boundary of the site. The area of the proposed development site is currently vacant and is overgrown with vegetation (Appendix D, Photograph 3). It is understood that the previous land activity is likely to be horse grazing. The stable has been demolished, however the concrete base for the stable still remains in place (see Appendix D, photograph 1). The tarmaced areas surrounding the demolished stable also still remain. The site is bounded to the south by the A61. An embankment was observed (a fall of 2m or more) adjacent the western boundary of the site towards Westwood New Road.

No drains were observed on site.

The site was observed to be falling in a north-easterly direction towards Glebe Court and Fenn Road.

5 PRELIMINARY CONCEPTUAL MODEL

5.1 Introduction

The aim of the conceptual model is to provide a preliminary assessment of the likelihood of a pollutant linkage for each potential combination of contaminant, pathway and receptor. A conceptual model can be used to make an informed decision on the contamination risks associated with the site and whether further site investigation work is required.

The Sections below are therefore divided into potential contaminant, potential pathway and potential receptor as described in CLR11[3]. The final Section provides an assessment of the potential pollutant linkages that may still be present on the site if redevelopment were to occur.

5.2 Potential Contaminants

The site is thought to have been recently used as a paddock for horse grazing including at least one building (possible stable). The site is currently disused and all buildings have been demolished.

Made ground may be present on site from the demolition of buildings. In addition, land raising or levelling may have occurred, particularly during the construction of the adjacent roads when the embankments are shown. Made ground may comprise ash and clinker waste from hearths and boilers, which was historically often used as level raising material. Contaminants may include heavy metals (such as arsenic and lead) and Polycyclic Aromatic Hydrocarbons ((PAHs), such as benzo(a)pyrene (B(a)P))[4]. Depending upon the sulphate content of the combusted coal, soluble sulphate may also be generated.

The immediate surrounding areas have been mainly developed for residential usage. Several potentially contaminative land-uses have been identified within 250m of the study site including an electric sub station, a tank and a tip. LKC do not consider these historical features to be a significant risk to the site with respect to soil contamination.

Hazardous gas generation can occur from made ground on the site, however this is strongly dependant upon its quantity and composition. If a significant amount of putrescible or degradable material is found on site, hazardous gas generation may be possible.

The Envirocheck Report has identified no known/licensed landfill sites within 250m of the study site. A review of the historical OS mapping by LKC has identified two potentially infilled areas within 250m of the site.

The site is underlain by the Middle Coal Measures, which includes eight seams of coal between 30m and. Ground gas (primarily carbon dioxide and methane) is possible if the underlying coal seams have been worked.

[3] Defra (2004). "Model Procedures for the Management of Land Contamination." R&D Publication CLR 11

5.3 Potential Pathways

Principal potential pathways associated with human health from soil contamination are ingestion, dermal and inhalation. The current UK technical report document[4] recognises ten such pathways comprising four ingestion, two dermal and four inhalation. These are listed as follows:

- Ingestion of soil
- Ingestion of soil-derived indoor dust
- Ingestion of contaminated vegetables
- Ingestion of soil attached to vegetables
- Dermal contact with soil
- Dermal contact with soil-derived indoor dust
- Inhalation of soil-derived outdoor dust
- Inhalation of soil-derived indoor dust
- Inhalation of vapours outside
- Inhalation of vapours inside

The proposed end-use follows a standard conceptual model of residential land use. For this land use scenario all of the pathways will need to be considered.

Surface water and groundwater are principal mechanisms for the migration of contaminants, with rainwater infiltrating through contaminated material and contamination possibly going into solution. Contaminated water may then find preferential pathways to surface waters and underlying aquifer.

Culverts, ditches, drains, service drains may provide preferential pathways off site. The site reconnaissance identified filter drains by Westwood New Road and by the A61.

Bedrock and superficial geology has the potential to impede or provide preferential pathways for contaminants onto or off site. No superficial deposits are mapped, therefore potential contamination may migrate to the bedrock.

A large extent of the site is situated on Haigh Moor Rock (Sandstone bedrock), depending on the pore space and bedding orientation, this may act as a pathway for contaminants onto or off-site. Permeability may also be increased by fracturing, workings (open voids) and faults.

There is one geological fault within 10m of the site.

5.4 Potential Receptors

Potential receptors site include:

- Human health pathways: future site residents, site users.
- Controlled Waters: Underlying Secondary A Aquifers
- Surface Water: Unnamed Pond, Birdwell Dike.
- Buildings and Services could be at risk from landfill/ground gas and organic/corrosive/toxic contaminants that could affect integrity of building materials and service pipes.
- Flora within future gardens.
- Local Nature Reserve (Potter Holes Plantation).

It should be noted that there may be risk from short term exposure from contaminated soil to site workers. The Preliminary Contamination Conceptual Model deals with long term exposure to key receptors. Acute risks can be easily mitigated by good environmental management of the site during site works. Standard health and safety precautions (as per

[4] EA (2008). "Updated Technical Background to the CLEA Model." Science Report – SC050021/SR3.

HSE guidance[5]) should be adopted by all workers involved with site enabling and construction works. Therefore, this receptor is not considered in the contamination conceptual model.

5.5 Preliminary Contamination Conceptual Model

The preliminary contamination conceptual model for Glebe Court, Westwood New Road, Tankersley is illustrated in Table 5-1 below and has identified seven generic potential pollutant linkages five of which are considered possible at this stage. Each linkage is discussed below along with an assessment of the likelihood of each linkage considering the available data and the nature of the development. This conceptual model is based upon contaminant-pathway-receptor pollutant linkages, on the premise that if there is no pollutant linkage then there will be no risk to the receptor[6].

Pollutant Linkage No.	Contaminant					Pathway	Receptor
	ACM	Gases		Contaminants			
		Hazardous	Ground	Organic	Inorganic		
PL1	x	x	x	?	?	-Dermal contact. -Ingestion of soils and vegetables. -Inhalation of contaminated soil, dust.	-Future site residents -Future site users.
PL2	x	x	x	x	x	-Inhalation of vapours. -Vapour migration through permeable strata.	-Future site residents. -Future site users.
PL3	x	x	?	x	x	-Inhalation of hazardous / ground gas. -Migration through permeable strata. -Migration through nearby fault.	-Future site residents. -Future site users. -Offsite receptors (if gas is generated on site).
PL4	x	x	x	x	x	-Groundwater migration through permeable strata (inc fractures, workings, faults). -Perched waters migration on site.	- Secondary A Aquifer - Pond - Birdwell Dike
PL5	x	x	?	x	?	-Contact with potential hazards	-Site buildings
PL6	x	x	x	?	?	-Ingestion of tainted water supply. -Corrosion of metal pipework.	-Future site residents. -Future site users. -Pipework.
PL7	x	x	x	x	?	-Root uptake of phytotoxic contaminants	-Flora in future landscaping.

Table 5-1 Contamination Conceptual Model for the Glebe Court, Westwood New Road, Tankersley.
(Key: ? – pollutant linkage possible; x – pollutant linkage unlikely)

5.5.1 Pollutant Linkage 1

Pollutant linkage 1 refers to the potential heavy metals and organic contaminants (such as PAHs) coming into direct contact with future site residents. This is considered possible in the garden of the future site users who may come into contact with the soils.

5.5.2 Pollutant Linkage 2

Potential pollutant linkage 2 refers to possible inhalation of vapours affecting the future site residents from potential volatile contaminants. This pollutant linkage is considered unlikely on the site based on the historical assessment.

[5] HSE (1991). "Protection of workers and the general public during development of contaminated land" London HMSO.
[6] EA (2004). "Model Procedures for the Management of Land Contamination." R&D Publication CLR 11

5.5.3 Pollutant Linkage 3

Potential pollutant linkage 3 refers to possible ground gas (from the Middle Coal measures) underlying the site affecting the future site residents and possible migration of hazardous gas from infilled areas on the site and offsite.

Migration of ground gas is considered possible to and from the site.

The possibility of hazardous gas from infilled areas on site is considered small as it is unlikely that significant quantities of putrescible material are present on site. The migration of hazardous gas from infilled areas offsite is considered unlikely due distance, size of features and date since infilling.

5.5.4 Pollutant Linkage 4

The history of the site does not suggest that significant concentrations of mobile contaminants are considered likely at the site. The secondary A Aquifer is unlikely to be a significant source of groundwater and no groundwater abstractions have been identified within influencing distance of the site. The Birdwell Dike is over 250m from the site, therefore is unlikely to be affected by the site. Taking all the above into account, LKC consider pollutant linkage 4 to be unlikely.

5.5.5 Pollutant Linkage 5

Potential pollutant linkage 5 refers to the possible deleterious effects that sulphate may have on building materials such as concrete, water pipes and building structures. In addition, methane may potentially build up within confined spaces and cause an explosion. Given that the site underlies the Middle Coal Measures, this pollutant linkage is considered possible.

5.5.6 Pollutant Linkage 6

Potential pollutant linkage 6 refers to the possible contaminants permeating potable water pipes and consumption by the future residents of the tainted water supply. Given that there may be made ground on site, this linkage is considered possible.

5.5.7 Pollutant Linkage 7

Potential pollutant linkage 7 refers to the possible phytotoxic contaminants affecting plant growth. Given that there may be made ground onsite, contaminant, this linkage is also considered possible.

6 CONCLUSIONS AND RECOMMENDATIONS

6.1 Conclusions

The historical review identified no features on site, however the site reconnaissance suggested that the site has recently been used as a horses paddock with a building (possible stable) recently demolished. Made ground may be present on site from demolition work and also associated with land raising/levelling. Possible contamination within the made ground could include heavy metals and PAHs. These contaminants may pose a risk to site users, building structures/materials, potable water pipes and flora with landscaping. Given the distance to the surface water, no abstractions have been identified, dilution processes and limited mobile contaminants expected, therefore is not considered a risk to controlled waters.

No known/registered landfill sites were identifed within 250m of the study site boundary and only limited potentially infilled features were noted. These are no considered to pose a risk to the site. There may be potential ground gas migrating from the underlying coal measures. Carbon dioxide and methane are therefore both considered as potential contaminant for this site.

Radon was not identified from the desk study and therefore no special precautions are required.

The Coal Authority indicated that coal may exist at shallow depths below the surface, however the site is not shown to be within the Coal Mining Development Referral Area.

The preliminary contamination conceptual model for Glebe Court, as illustrated in Table 5-1 has identified seven generic potential pollutant linkages, five of which are considered possible at this stage.

6.2 Recommendations

In accordance with PPS23, LKC consider that sufficient information on the potential contaminative status of the site is available in this Preliminary Risk Assessment report to allow the validation of any future planning application by the Local Planning Authority and for conditional planning approval to be granted. Such conditional approval will likely include standard prescriptive conditions requiring a site investigation, risk assessment and, if appropriate, a remedial strategy to be completed to the satisfaction of the Local Planning Authority prior to the commencement of any development.

LKC would recommend that once conditional planning approval is granted, a Phase II intrusive survey should be carried out across the site to investigate the five identified potential pollutant linkages further. The scope of this Phase II survey should be prior agreed with the Local Authority and should include the following.

In order to address potential pollutant linkages 1, 5, 6 and 7 soil samples should be collected from trial pits and/or boreholes undertaken across the site and subjected to appropriate chemical analyses based upon a broad range of contaminants, including those identified in Section 5.2. The investigation will follow guidance set out in BS10175[7] and

[7] British Standard (2011). "Investigation of Potentially Contaminated Sites – Code of Practice." BS10175:2011

BS5930[8]. Some sampling locations will target historical features such as the former buildings. If impacted soils are identified groundwater sampling may be required. Full details of the proposed site investigation should be forwarded to the Local Authority for approval.

Pollutant linkages 3 and 5 are associated with potentially migrating ground gas into future buildings. The gas hazards for these linkages have been assumed due to the underlying Middle Coal Measures. These areas may be generating methane and carbon dioxide and any boreholes drilled on the site should be converted to monitoring wells and investigated over a suitable period recommended in CIRIA C665[9]. As a minimum gas monitoring would likely be over a three month period with at least six gas monitoring visits under worst case temporal conditions. The monitoring timescales will need to be agreed beforehand with the Local Authority.

This investigation, in conjunction with appropriate geotechnical testing, will delineate any existing areas of potential contamination and identify and characterise any contaminants encountered. Information from this investigation can then be used to provide a more detailed assessment of the identified pollutant linkages, provide appropriate foundation solutions and, if necessary, identify appropriate remedial measures to ensure that the site is made suitable for its proposed end use.

A copy of this report should be sent as part of the planning application.

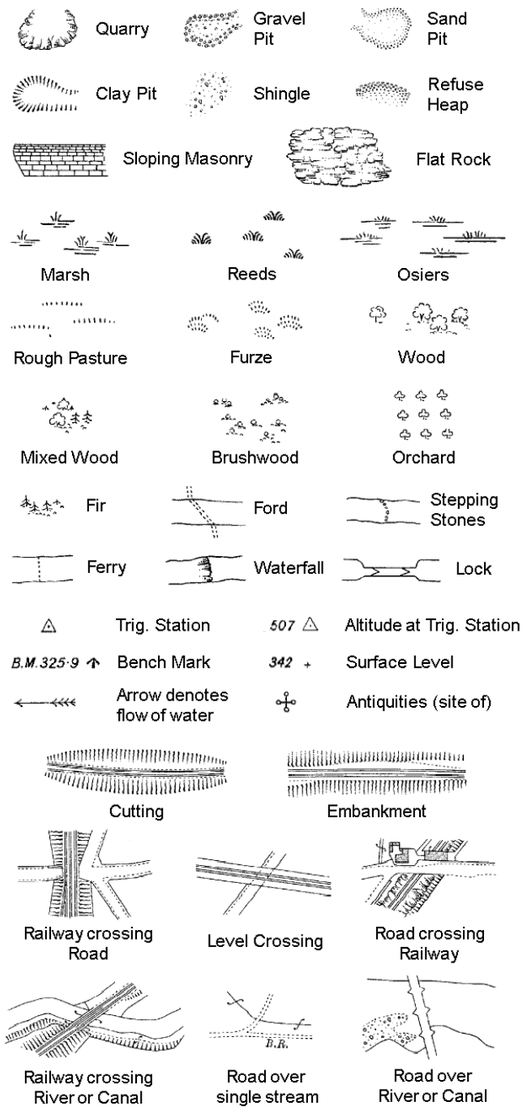
[8] British Standard (1999). "Code of Practice for Site Investigations. " BS5930:1999
[9] CIRIA (2007). "Assessing Risks Posed by Hazardous Ground Gases to Buildings." CIRIA C665

APPENDIX A

HISTORICAL MAPS

Historical Mapping Legends

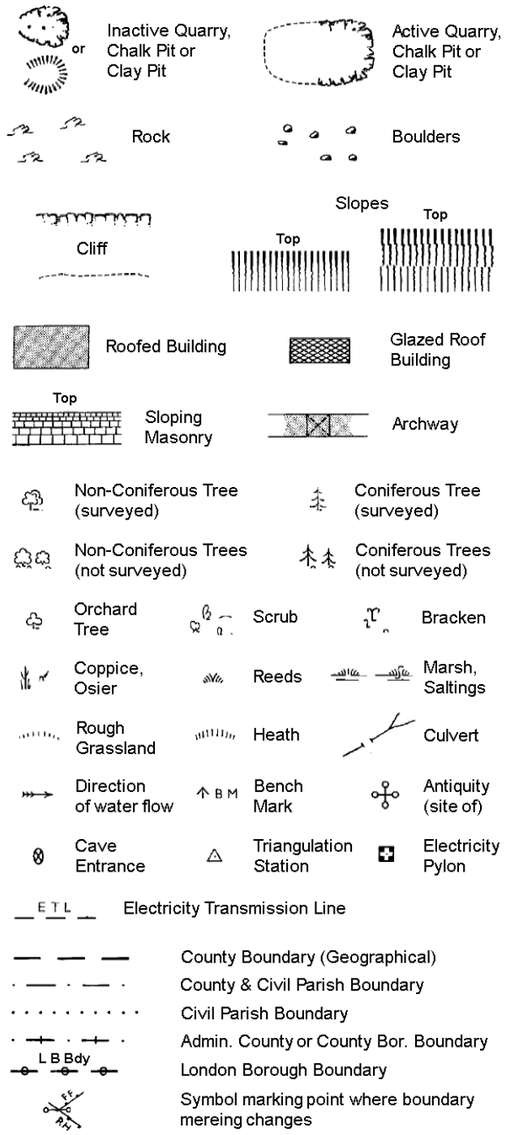
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy.
County Borough Boundary (England)
Co. Burgh Bdy.
County Burgh Boundary (Scotland)

B P B S	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	St.	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

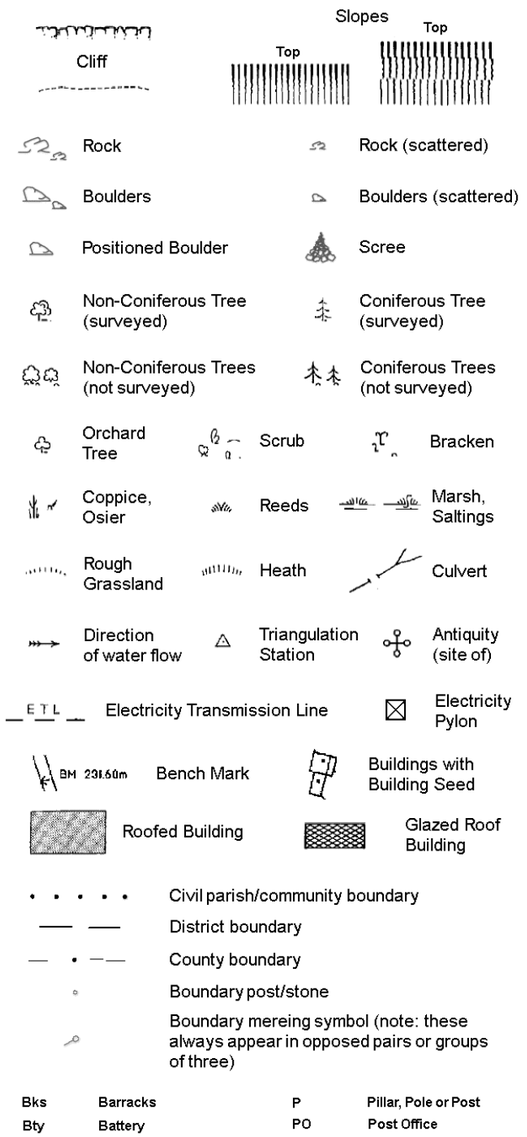
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy
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
El 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



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)

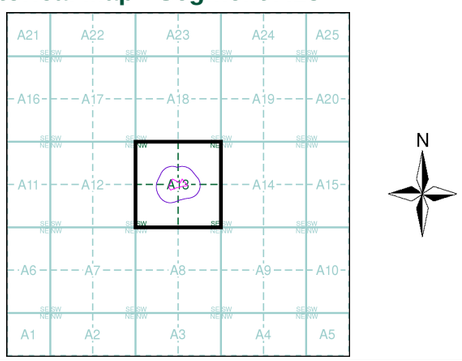
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El 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 Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1893	1
Yorkshire	1:2,500	1905	1
Yorkshire	1:2,500	1931	1
Ordnance Survey Plan	1:2,500	1957	1
Ordnance Survey Plan	1:2,500	1970 - 1974	1
Large-Scale National Grid Data	1:2,500	1993	1
Large-Scale National Grid Data	1:2,500	1993 - 1996	1
Large-Scale National Grid Data	1:2,500	1998	1
Additional SIMs	1:2,500	1989 - 1991	1

Historical Map - Segment A13



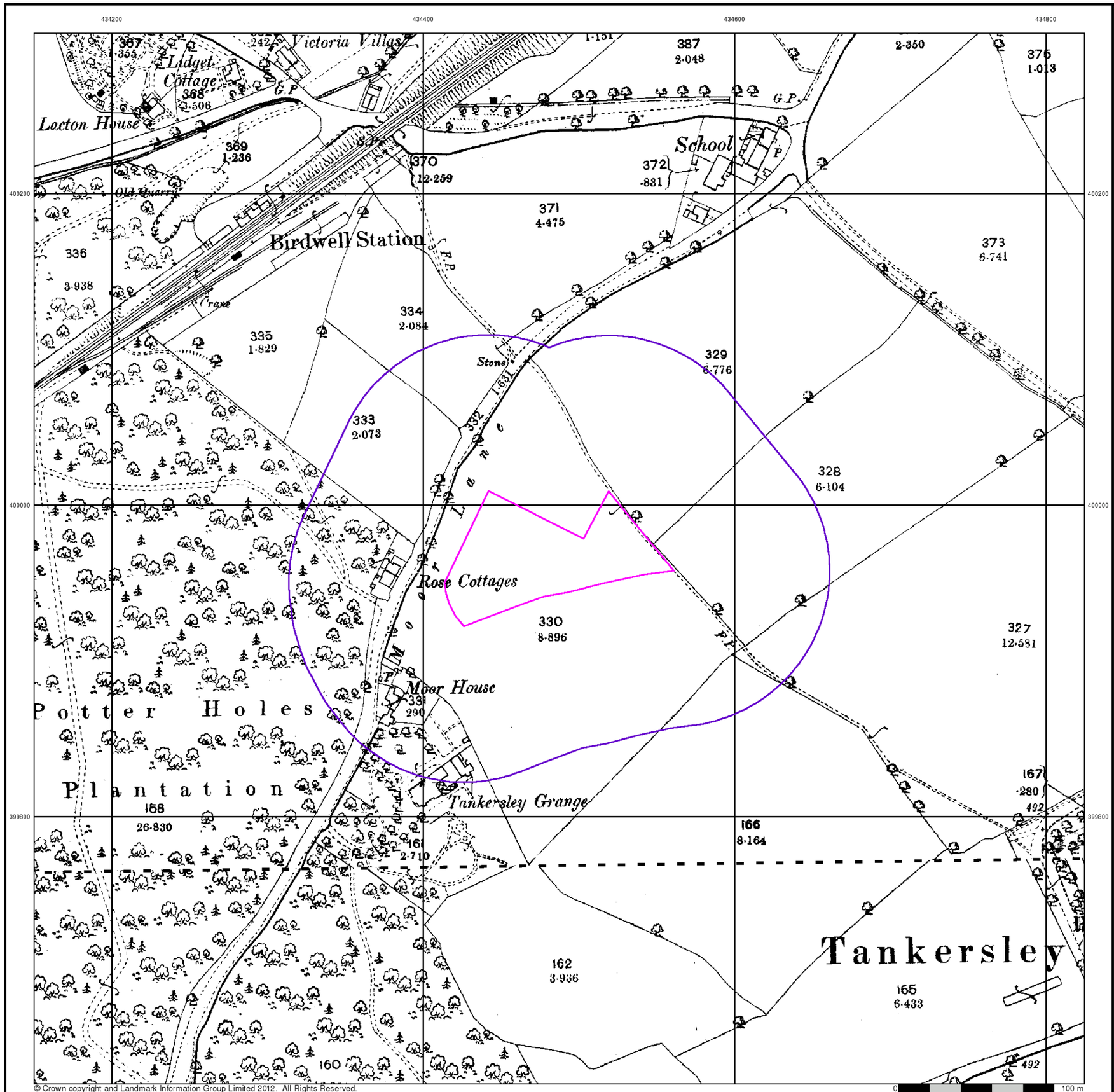
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	100

Site Details

Site at 434490, 399990

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



CONSULT LIMITED

Yorkshire

Published 1893

Source map scale - 1:2,500

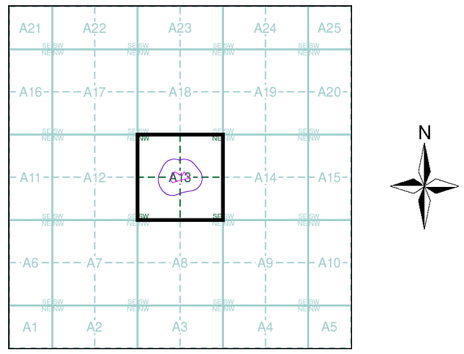
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

282_07
1893
1:2,500

282_11
1893
1:2,500

Historical Map - Segment A13



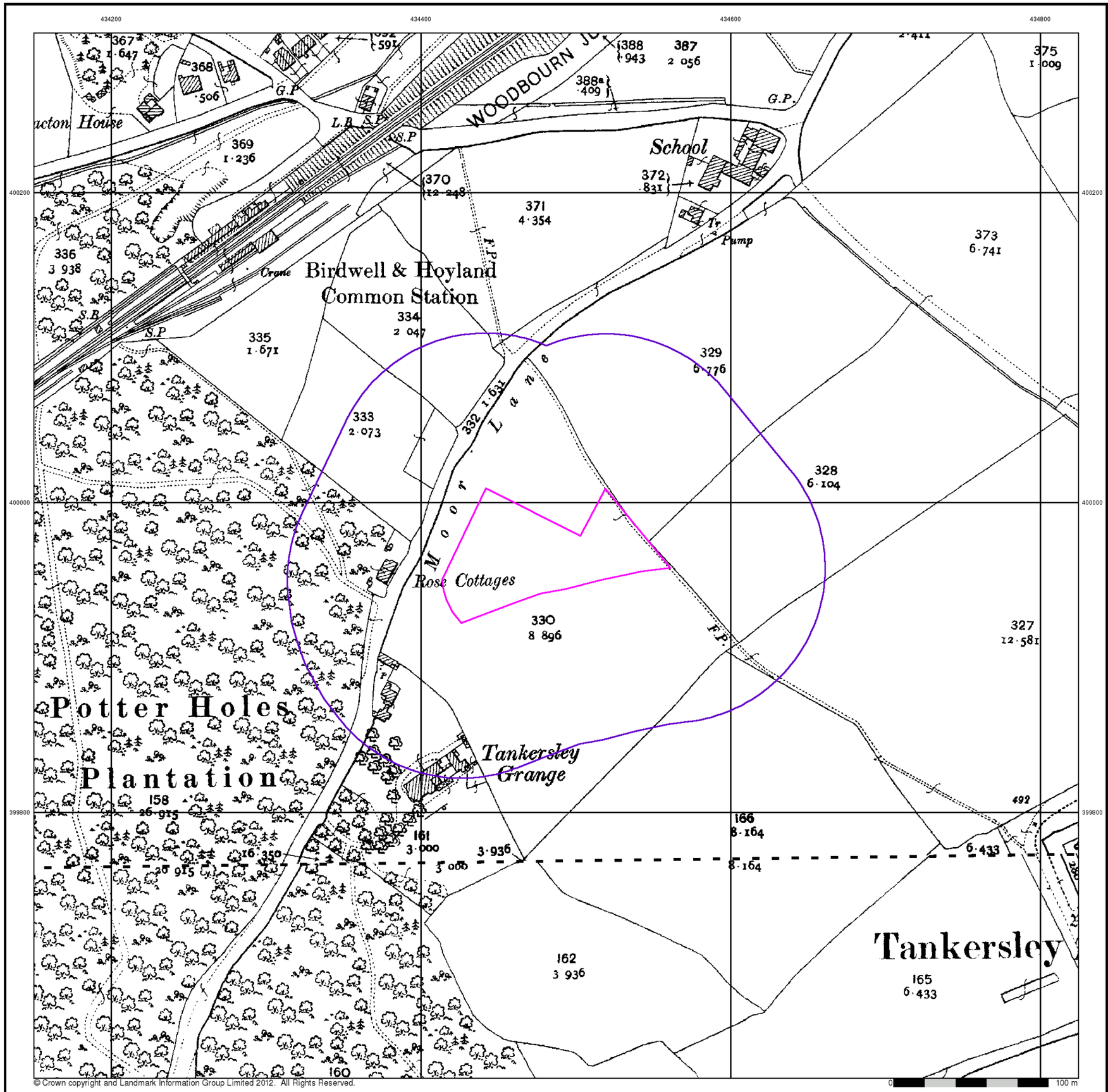
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	100

Site Details

Site at 434490, 399990

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Yorkshire

Published 1905

Source map scale - 1:2,500

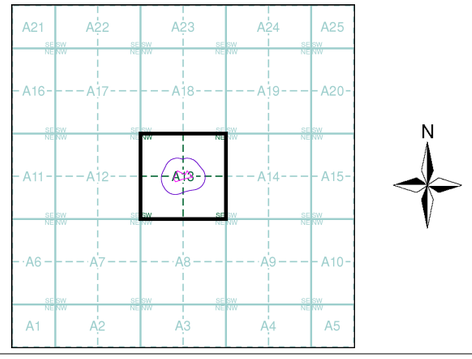
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

282_07
1905
1:2,500

282_11
1905
1:2,500

Historical Map - Segment A13



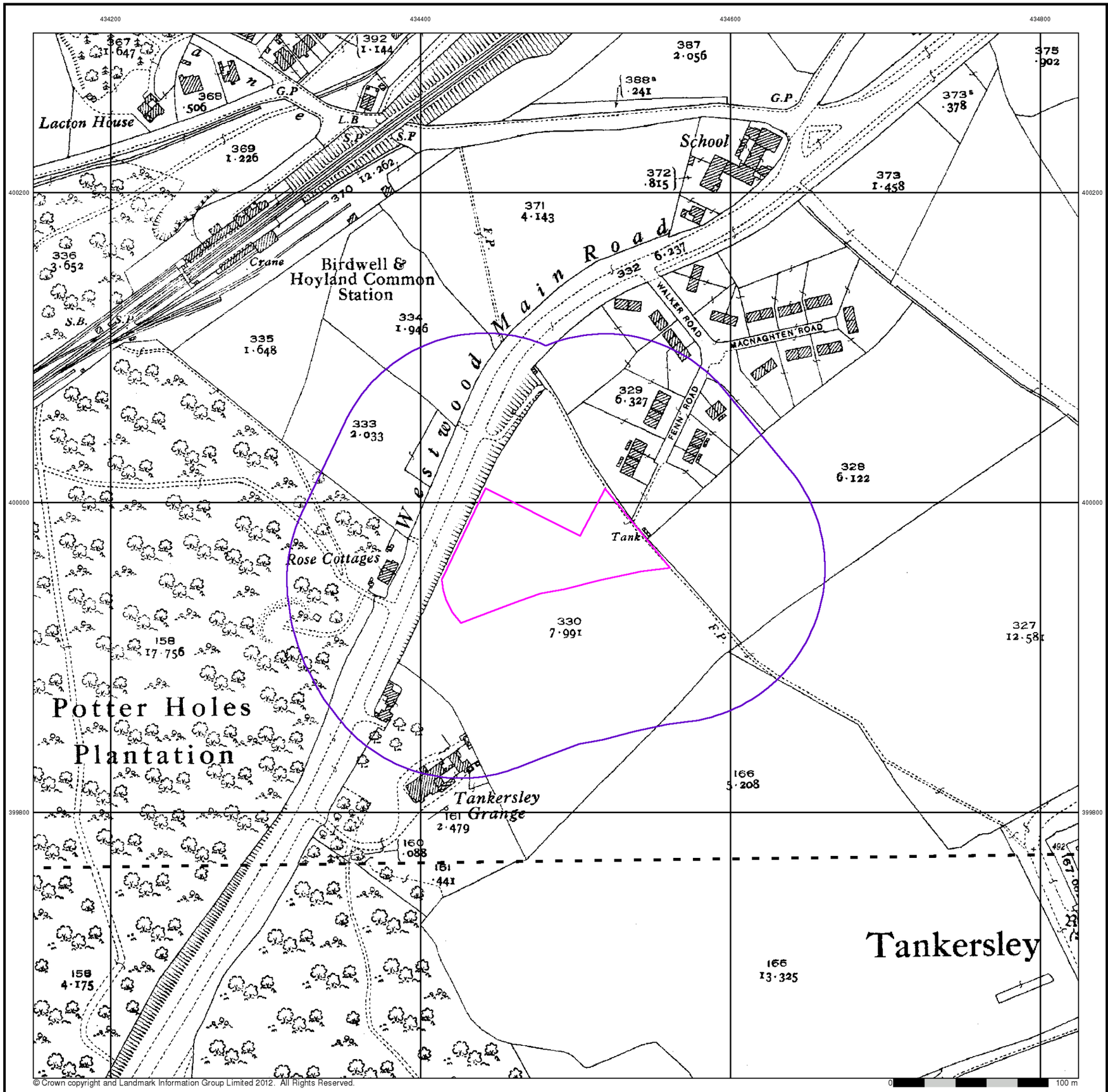
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	100

Site Details

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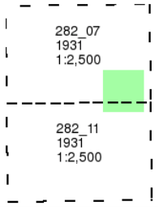
Yorkshire

Published 1931

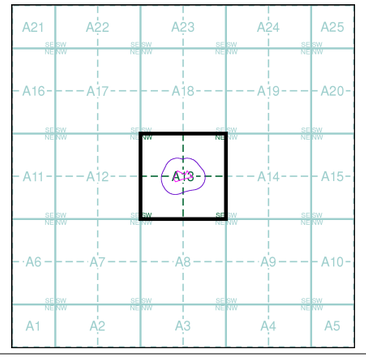
Source map scale - 1:2,500

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



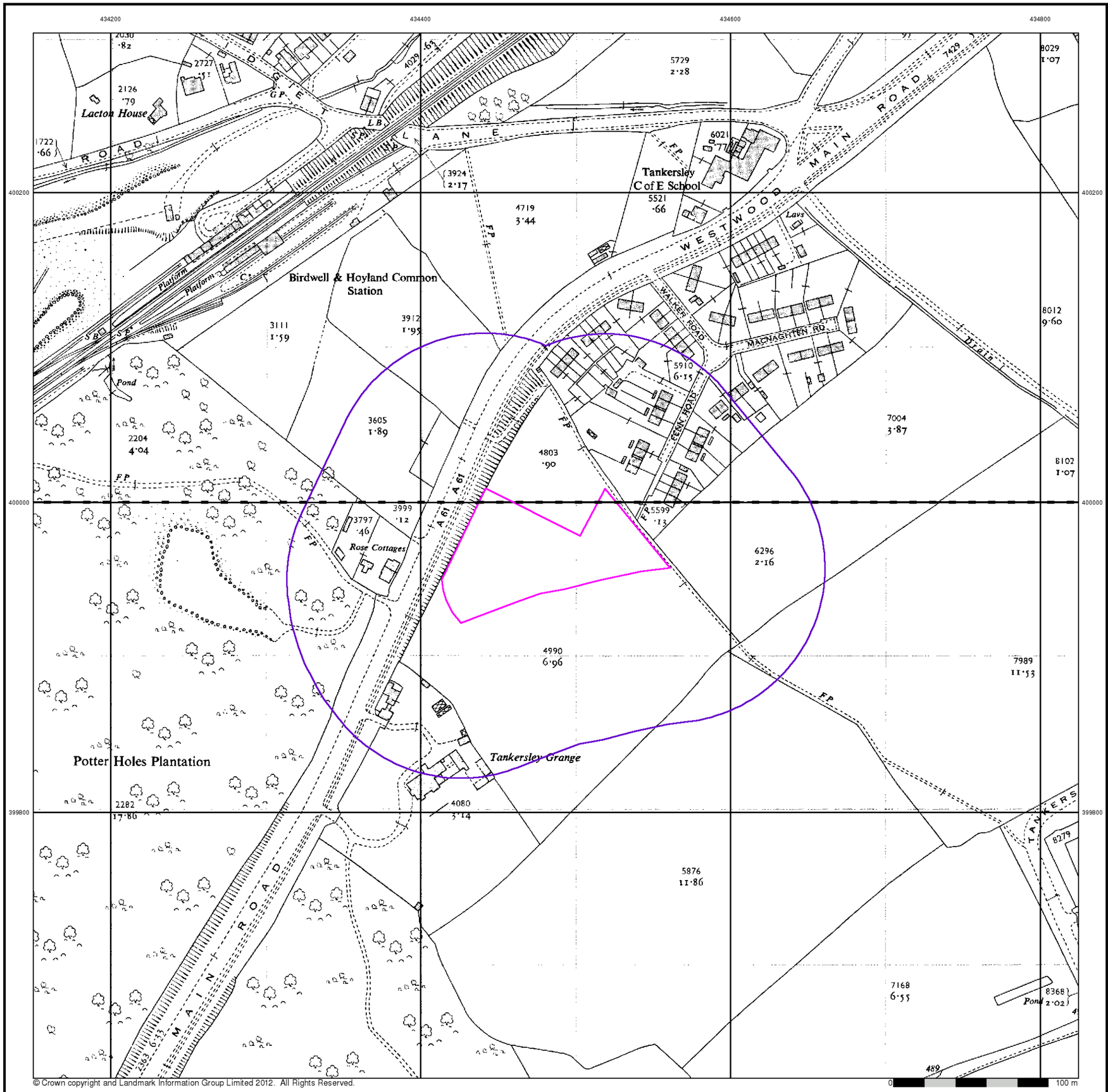
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	100

Site Details

Site at 434490, 399990

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Ordnance Survey Plan

Published 1957

Source map scale - 1:2,500

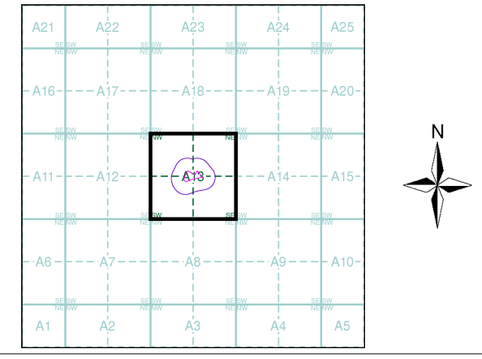
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

SE3400 1957 1:2,500

SK3499 1957 1:2,500

Historical Map - Segment A13



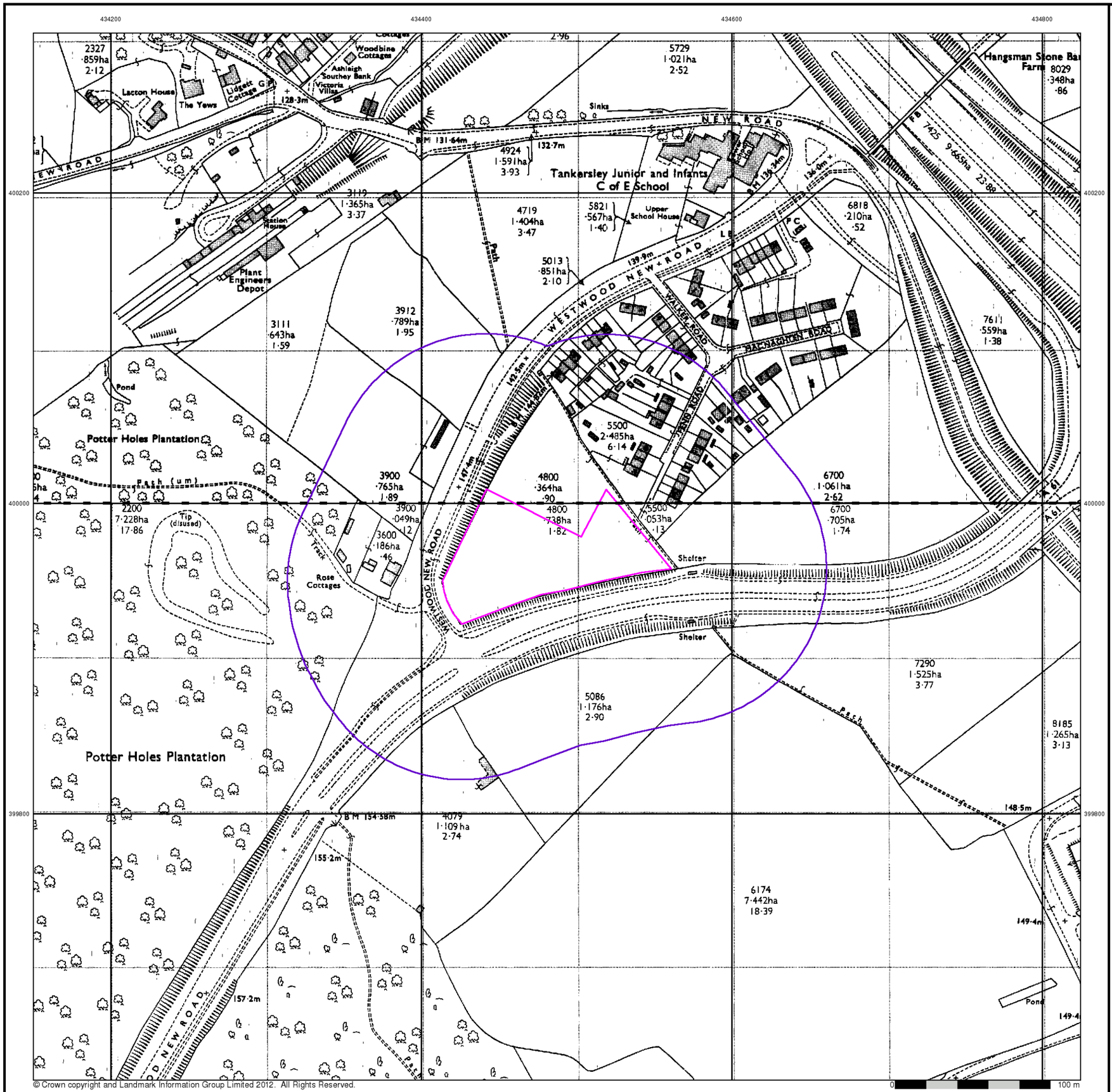
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	100

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Ordnance Survey Plan

Published 1970 - 1974

Source map scale - 1:2,500

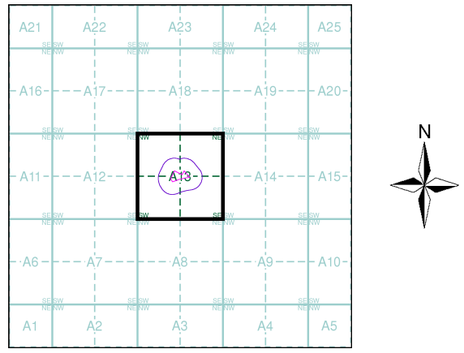
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

SE3400
1974
1:2,500

SK3499
1970
1:2,500

Historical Map - Segment A13



Order Details

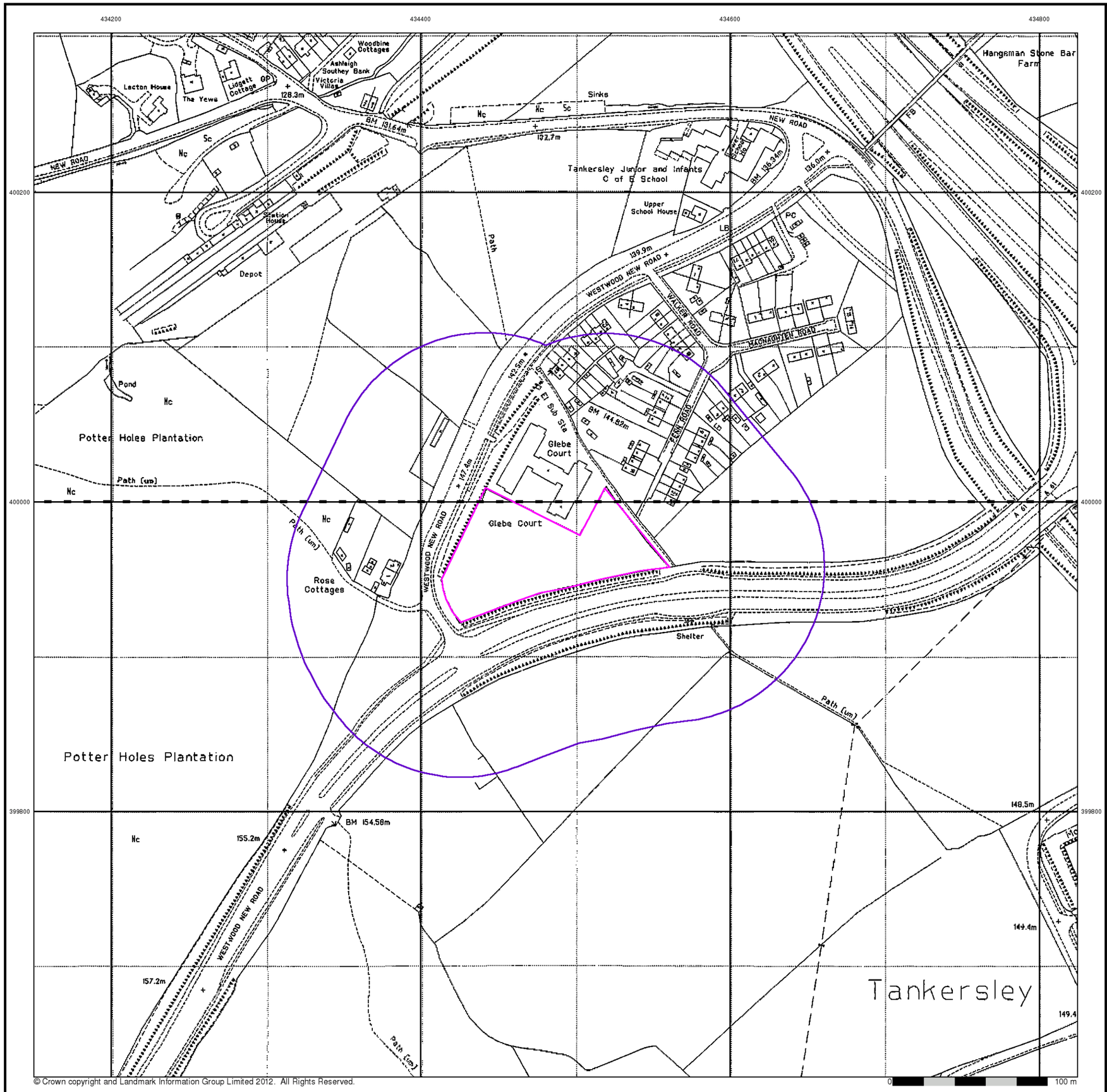
Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	100

Site Details

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Large-Scale National Grid Data

Published 1993

Source map scale - 1:2,500

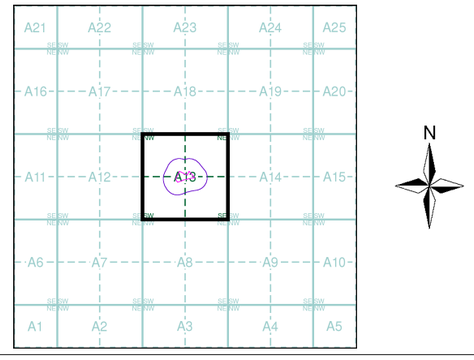
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

SE3400
1993
1:2,500

SK3499
1993
1:2,500

Historical Map - Segment A13



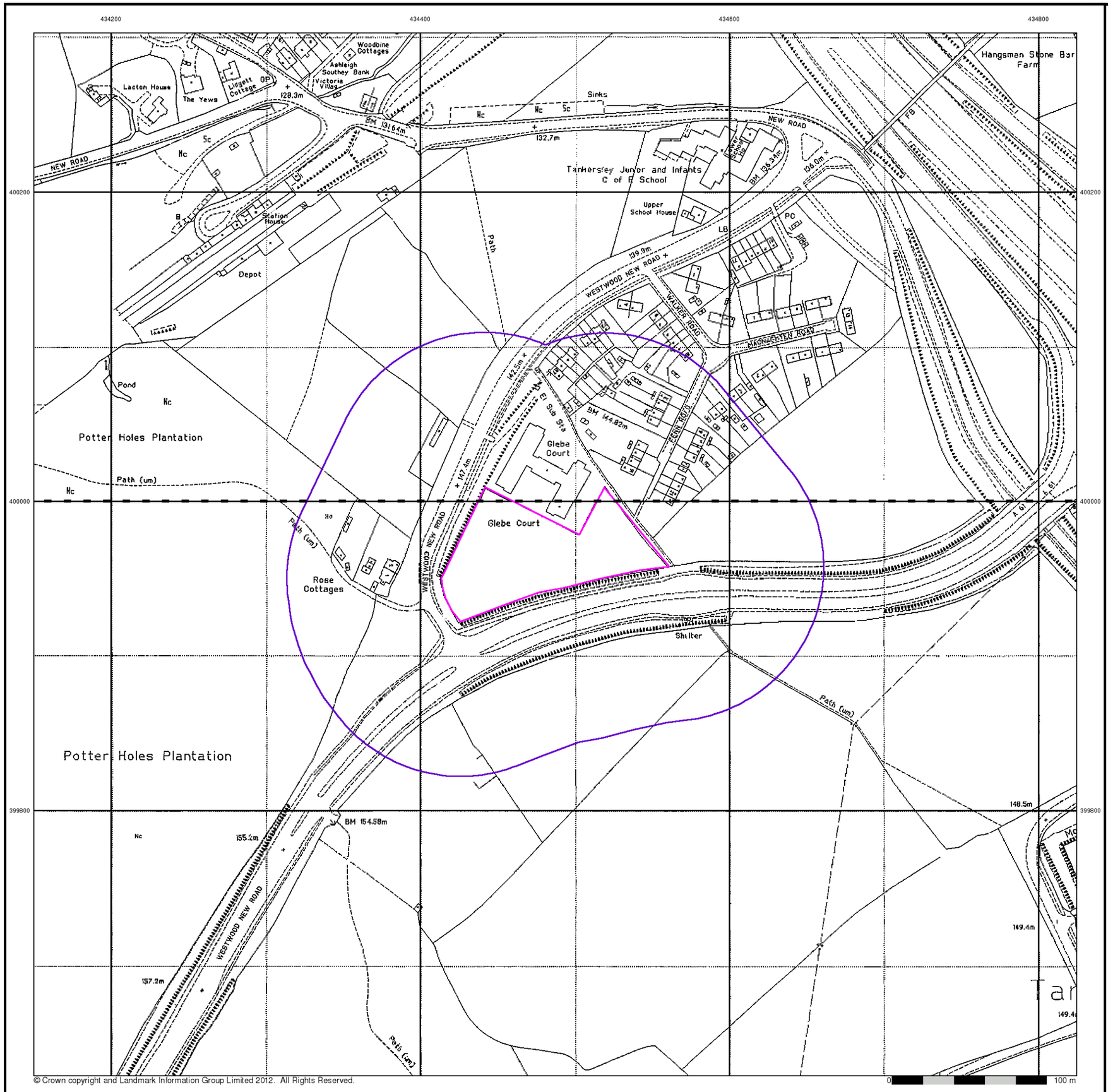
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	100

Site Details

Site at 434490, 399990

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Large-Scale National Grid Data

Published 1993 - 1996

Source map scale - 1:2,500

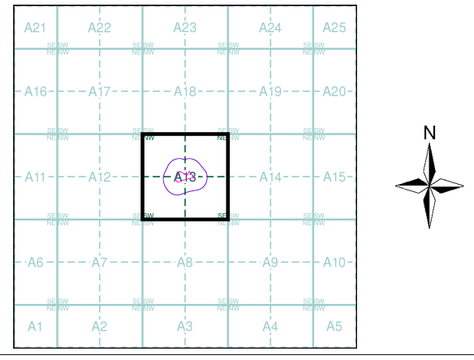
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

SE3400
1993
1:2,500

SK3499
1996
1:2,500

Historical Map - Segment A13



Order Details

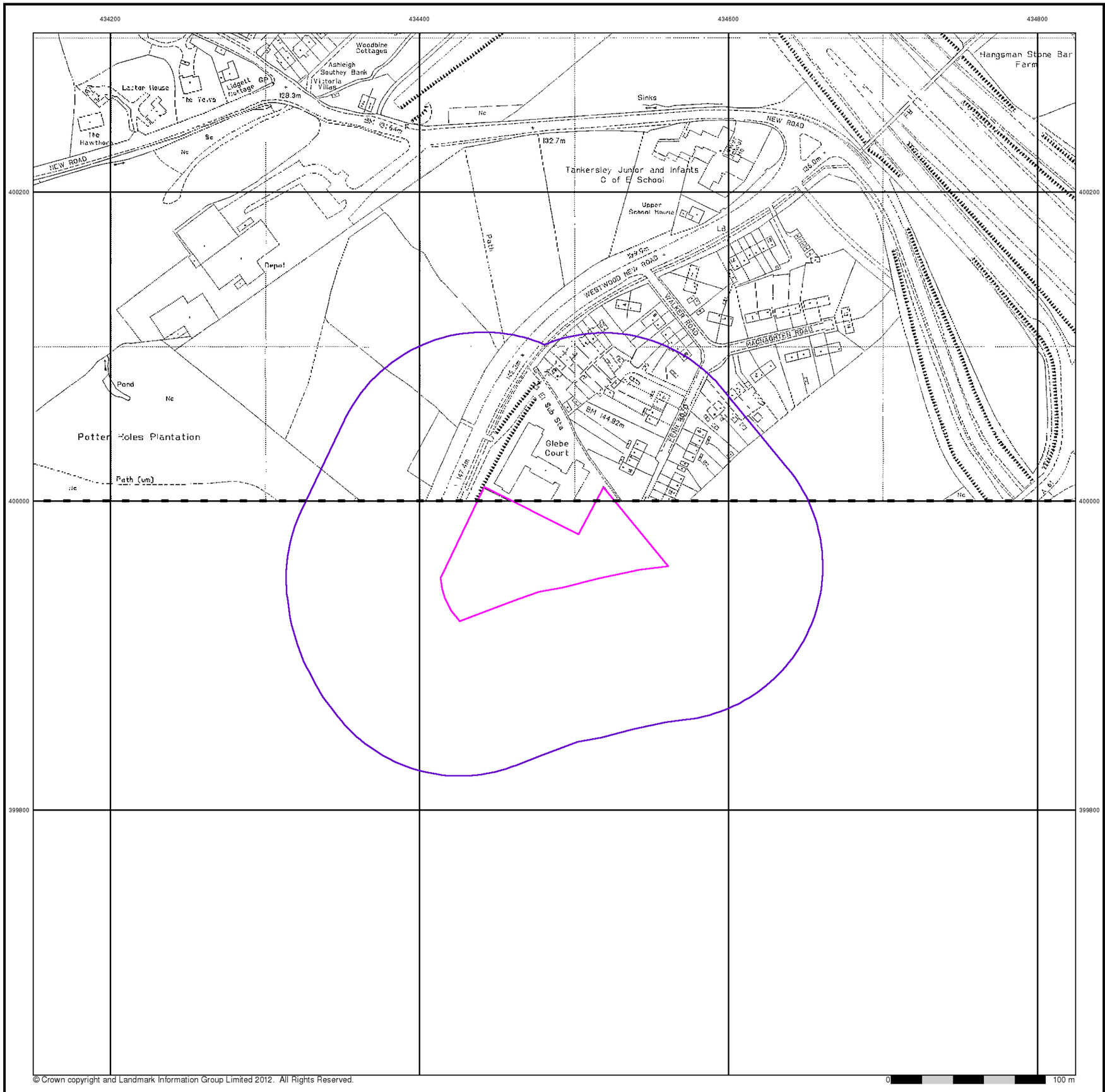
Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	100

Site Details

Site at 434490, 399990

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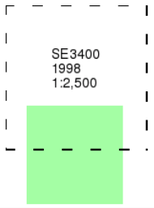
Large-Scale National Grid Data

Published 1998

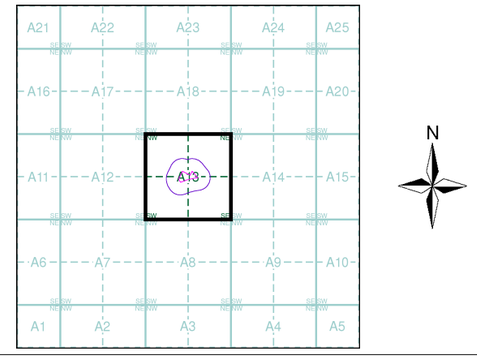
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



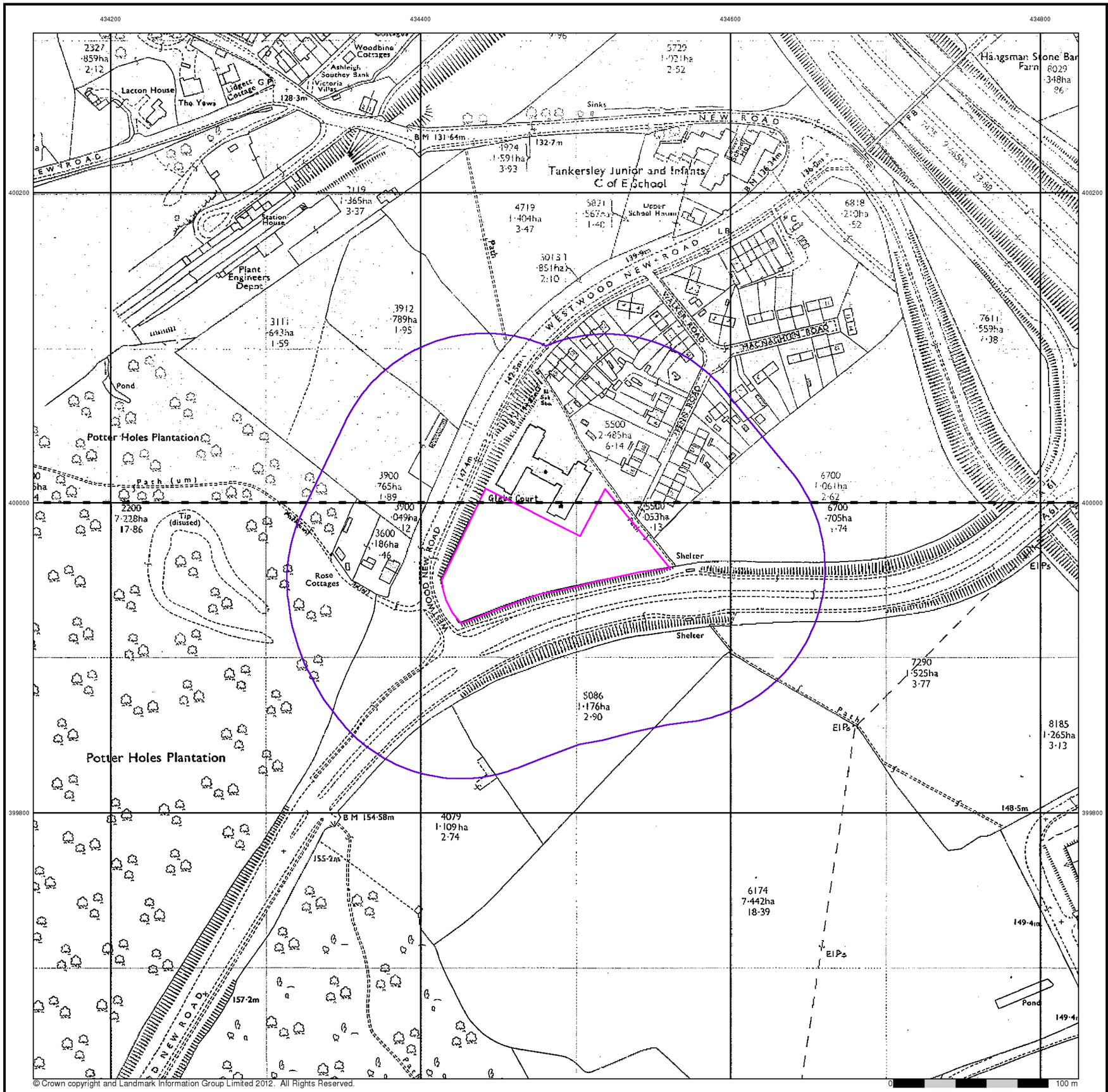
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	100

Site Details

Site at 434490, 399990

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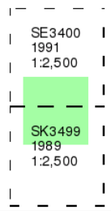
Additional SIMs

Published 1989 - 1991

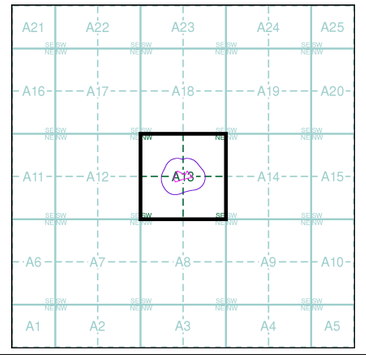
Source map scale - 1:2,500

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:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	100

Site Details

Site at 434490, 399990

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

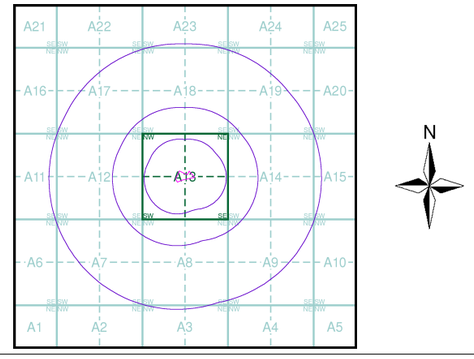
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1893 - 1894	1
Yorkshire	1:10,560	1906 - 1907	1
Yorkshire	1:10,560	1932	1
Yorkshire	1:10,560	1938	1
Yorkshire	1:10,560	1948	1
Ordnance Survey Plan	1:10,000	1956	1
Ordnance Survey Plan	1:10,000	1965 - 1966	1
Ordnance Survey Plan	1:10,000	1978	1
Ordnance Survey Plan	1:10,000	1980 - 1982	1
Ordnance Survey Plan	1:10,000	1989	1
Ordnance Survey Plan	1:10,000	1991 - 1992	1
Yorkshire	1:10,560	1855	1
Sheffield	1:25,000	1977	1
10K Raster Mapping	1:10,000	2000	1
10K Raster Mapping	1:10,000	2006	1
10K Raster Mapping	1:10,000	2011	1

Historical Map - Slice A



Order Details

Order Number: 37302555_1_1
Customer Ref: CL1902
National Grid Reference: 434480, 399970
Slice: A
Site Area (Ha): 0.68
Search Buffer (m): 1000

Site Details

Site at 434490, 399990

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Russian Military Mapping Legends

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

a. Not drawn to scale b. Drawn to scale

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

243,8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 Velocity of the current, width of river bed, depth of river

Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

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

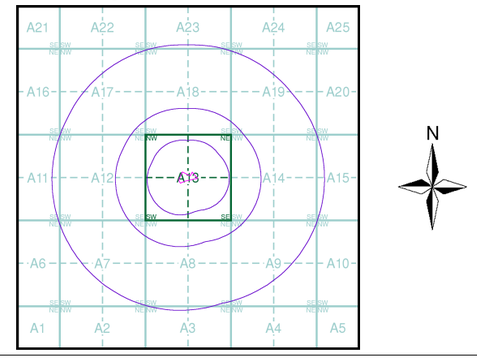
Key to Numbers on Mapping

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1893 - 1894	2
Yorkshire	1:10,560	1906 - 1907	2
Yorkshire	1:10,560	1932	2
Yorkshire	1:10,560	1938	2
Yorkshire	1:10,560	1948	2
Ordnance Survey Plan	1:10,000	1956	2
Ordnance Survey Plan	1:10,000	1965 - 1966	2
Ordnance Survey Plan	1:10,000	1978	2
Ordnance Survey Plan	1:10,000	1980 - 1982	2
Ordnance Survey Plan	1:10,000	1989	2
Ordnance Survey Plan	1:10,000	1991 - 1992	2
Yorkshire	1:10,560	1855	2
Sheffield	1:25,000	1977	2
10K Raster Mapping	1:10,000	2000	2
10K Raster Mapping	1:10,000	2006	2
10K Raster Mapping	1:10,000	2011	2

Russian Map - Slice A



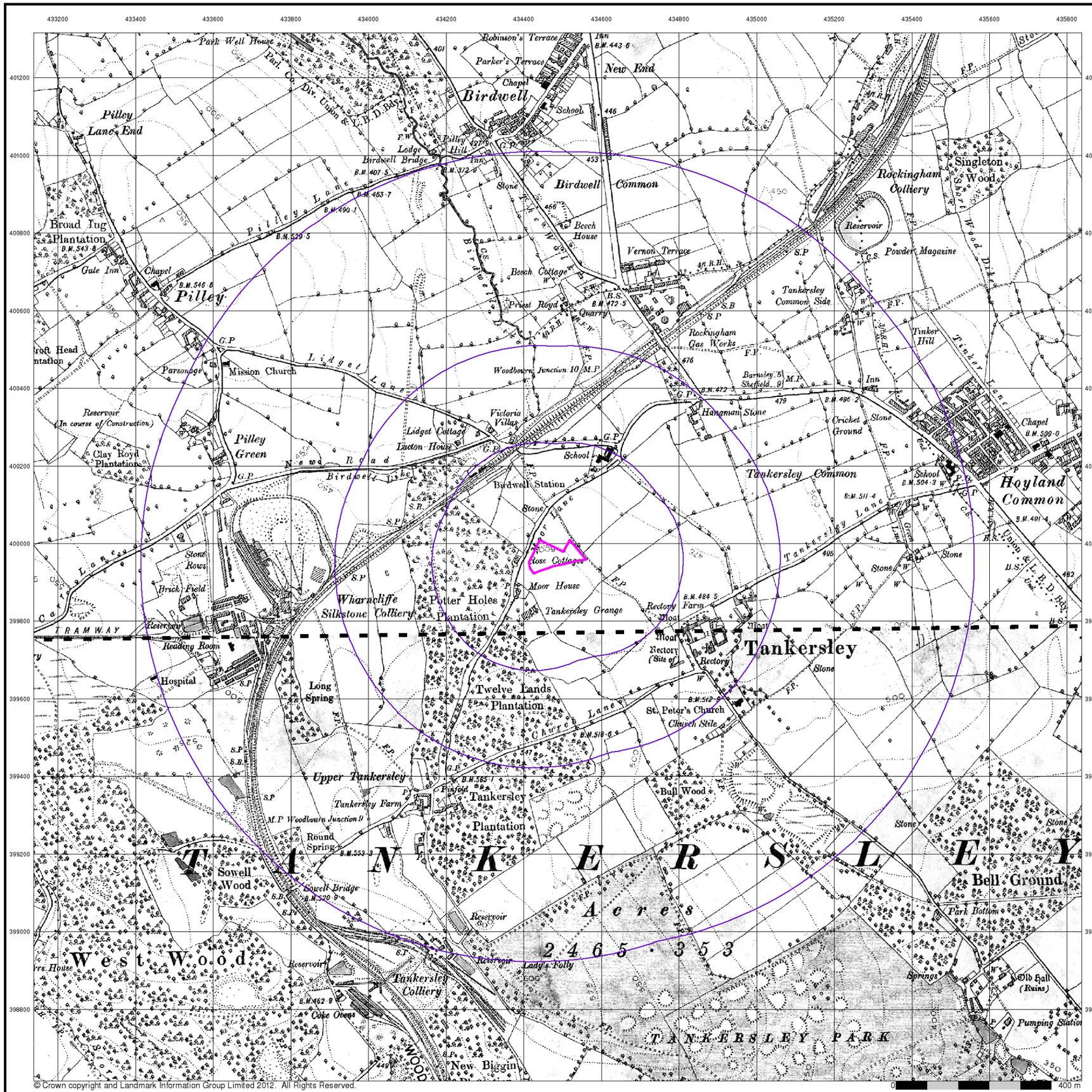
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Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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LK CONSULT LIMITED

Yorkshire

Published 1893 - 1894

Source map scale - 1:10,560

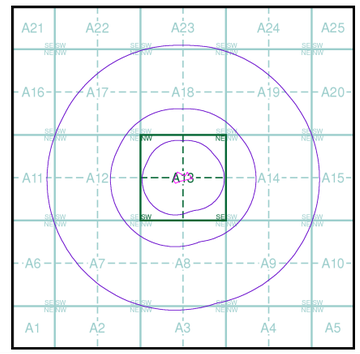
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

282NE
1893
1:10,560

282SE
1894
1:10,560

Historical Map - Slice A



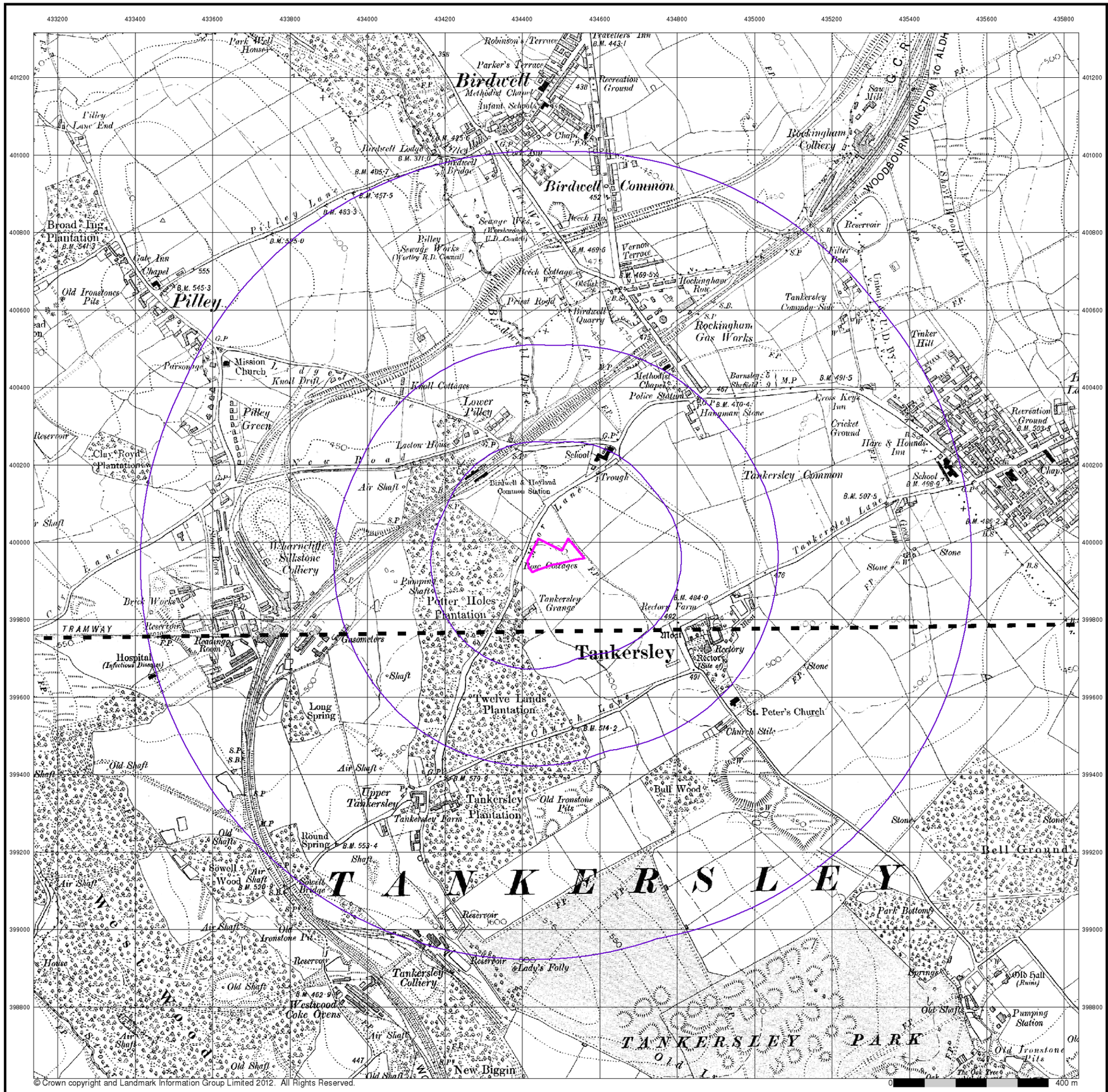
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National Grid Reference:	434480, 399970
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LK CONSULT LIMITED

Yorkshire

Published 1906 - 1907

Source map scale - 1:10,560

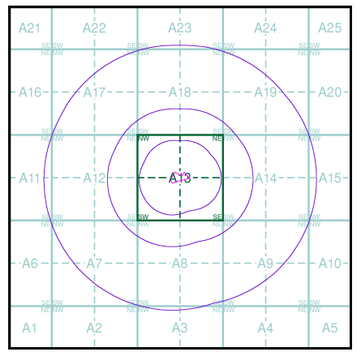
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

282NE
1907
1:10,560

282SE
1906
1:10,560

Historical Map - Slice A



Order Details

Order Number:	37302555_1_1
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National Grid Reference:	434480, 399970
Slice:	A
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Search Buffer (m):	1000

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Birdwell
Birdwell Common
Pilley
Pilley Green
Lower Pilley
Tankersley
Tankersley Common
Wharncliffe Silkstone Colliery
Tankersley Colliery
Potter Holes Plantation
Twelve Lands Plantation
Tankersley Plantation
West Wood
TANKERSLEY
TANKERSLEY PARK
Rockingham Colliery
Birdwell Quarry
Tankersley Quarry
Tankersley Grange
Tankersley Manor Side
Tankersley Farm
Upper Tankersley
Pilley Sewage Works (Wortley R.D.C.)
Sewage Works (Worsbrough U.D.C.)
Sewage Tanks (Hoyland Nether U.D.C.)
Reservoir
Lady's Folly
Mission Church
Parsonage
Gate Inn
Cock Inn
Recreation Ground
Allotment Gardens
Meth. Ch.
Chapel
School
Rectory
St. Peter's Church
Church Style
Miners Welfare Recreation Ground
Bull Wood
Cricket Ground
Cross Keys Inn
Hangman Stone
Tinker Hill
Bell Ground
Pumping Station
Old Ironstone Pits
Old Shafts
Air Shaft
Shaft
Spring
Tank
Stone
Barnsley 6 Sheffield 9
Birdwell & Hoyland Common Station
Birdwell Lodge Air Shaft
Birdwell Bridge
Priest Royd
Knoll Cottages
Loxton House
Clay Royd Plantations
Broad Ing Plantation
Old Ironstone Pits
Sludge Bed
Filter Beds
Sowell Wood Shaft
Sowell Bridge
Lonk Spring
Redoubt Room
Rectory Farm
Rectory Site of
Water Cistern
Allotments
Drift Hall
Pol. Stn.
Meth. Ch.
Robinson's Terrace
Parker's Terrace
Pilley Lane End
Pilley Lane
Knoll Drift
Tankersley Lane
Birdwell & Hoyland Common Road
Main Road
Allotment Gardens
Tinsley & Aldham Junction
L. N. E. R.
Sheffield & Worsbro' Branch
Tinsley Wood Drive
Party Dike (R.U.D.B.)
Reservoir
Filter Beds
Tiller Beds
Quarry
Tank
Close Cottages
Lodge
Road
Lane
Drive
Avenue
Terrace
Cottages
Plantation
Grange
Farm
Manor Side
Hall
Pavilion
Ball Ground
Park Bottoms
Spring
Pumping Station
Tanks
Old Shafts
Old Ironstone Pits
Air Shaft
Shaft
Stone
Spring
Reservoir
Tank
Filter Beds
Sludge Bed


Birdwell
Birdwell Common
Pilley
Broad Ing Plantation
Pilley Green
Lower Pilley
Wharncliffe Silkstone Colliery
Tankersley
Tankersley Common
Tankersley Grange
Twelve Lands Plantation
Potter Holes Plantation
Tankersley Plantation
Rookingham Colliery
Birdwell Quarry
Tankersley Park
Tankersley Colliery
West Wood
New Biggin
Bell Ground
Recreation Ground
Reservoir
Sewage Works
Sewage Tanks
Mission Church
Meth. Ch.
Cricket Ground
Allotment Gardens
School
Hangman Stone
Rectory
St. Peter's Church
Pumping Station
Lady's Folly
Long Spring
Tinker Hill
Pilley Lane End
Gate Inn
Old Ironstone Pits
Knoll Drift
Knoll Cottages
Clay Royd Plantations
Sludge Bed
Filter Beds
Rose Cottages
Rectory Farm
Tankersley Farm
Miners' Welfare Recreation Ground
Pavilion
Park Bottoms
Springs
Tanks
Stone
Old Shafts
Air Shaft
Shaft
Reservoir
Pilley Sewage Works (Wortley R. D. C.)
Birdwell Lodge Air Shaft
Birdwell Bridge
Sowell Wood Shaft
Sowell Bridge
Round Spring
Old Ironstone Pits
Meth. Ch.
Drill Hall
Cross Keys Inn
Barnsley & Sheffield
Birdwell & Hoyland Common Station
Tankersley Lane
Pilley Lane
Birdwell Dyke
Sheffield Road
New Road
Broad Lane
Church Lane
Sandygate Wood
Parsonage
Filler Bute
Tinsley & Aldham Junction
L. N. E. R.
Allotment Gardens
Robinson's Terrace
Parker's Terrace
Pilley Sewage Works (Wortley R. D. C.)
Sewage Works (Worsborough U. D. C.)
Sewage Tanks (Hoyland Nether U. D. C.)
Tankersley Company Side
Tankersley Park
Old Ironstone Pits
Old Shaft
Pumping Station
Hall (In Ruins)
Tanks
Stone
Reservoir
Reservoir
Reservoir



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Yorkshire

Published 1948

Source map scale - 1:10,560

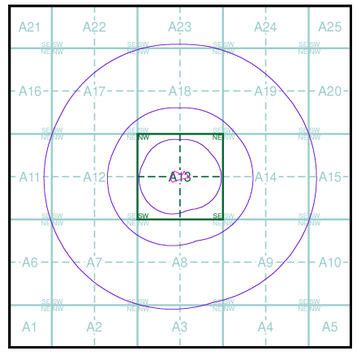
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Map Name(s) and Date(s)

282NE
1948
1:10,560

282SE
1948
1:10,560

Historical Map - Slice A



Order Details

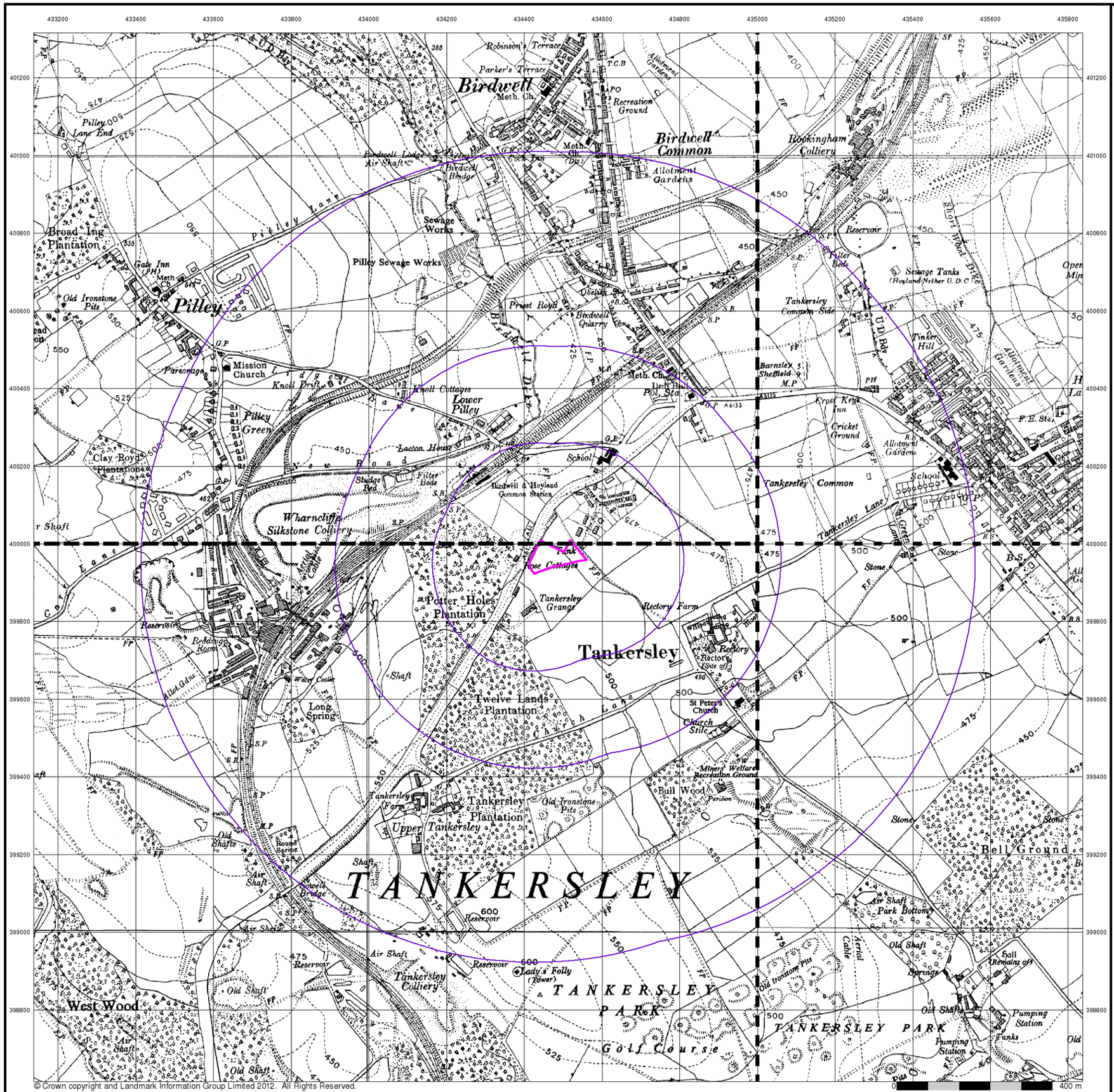
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Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

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0 400 m

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Ordnance Survey Plan

Published 1956

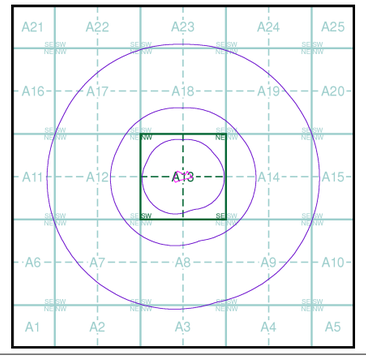
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Map Name(s) and Date(s)

SE30SW 1956 1:10,560	SE30SE 1956 1:10,560
SK39NW 1956 1:10,560	SK39NE 1956 1:10,560

Historical Map - Slice A



Order Details

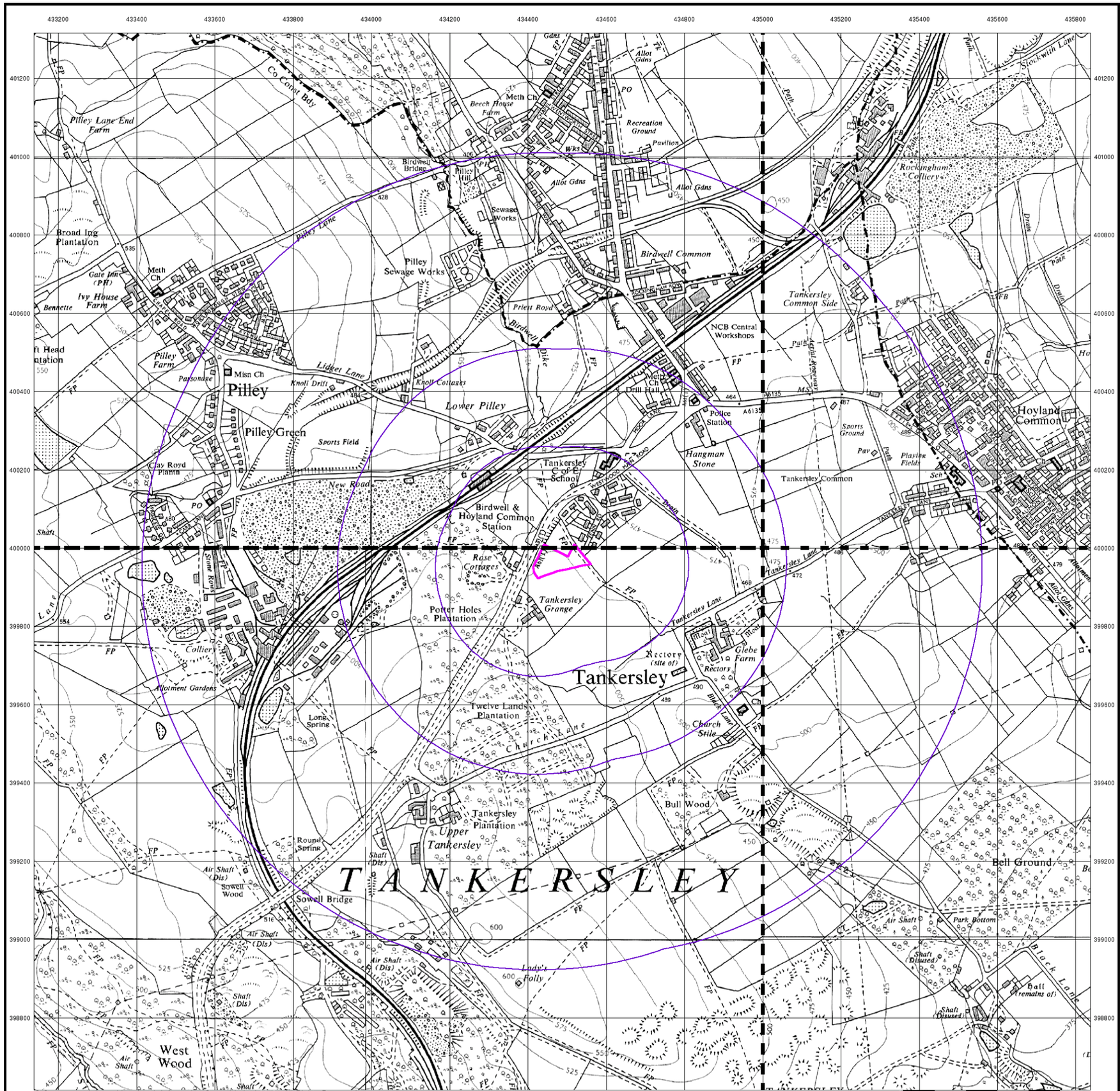
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Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1965 - 1966

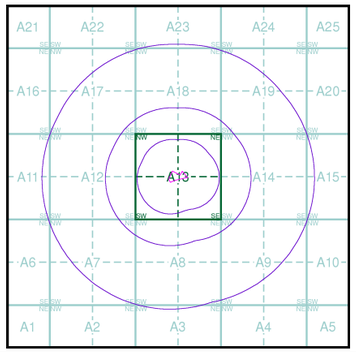
Source map scale - 1:10,000

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)

SE30SW 1965 1:10,560	SE30SE 1966 1:10,560
SK39NW 1966 1:10,560	SK39NE 1965 1:10,560

Historical Map - Slice A



Order Details

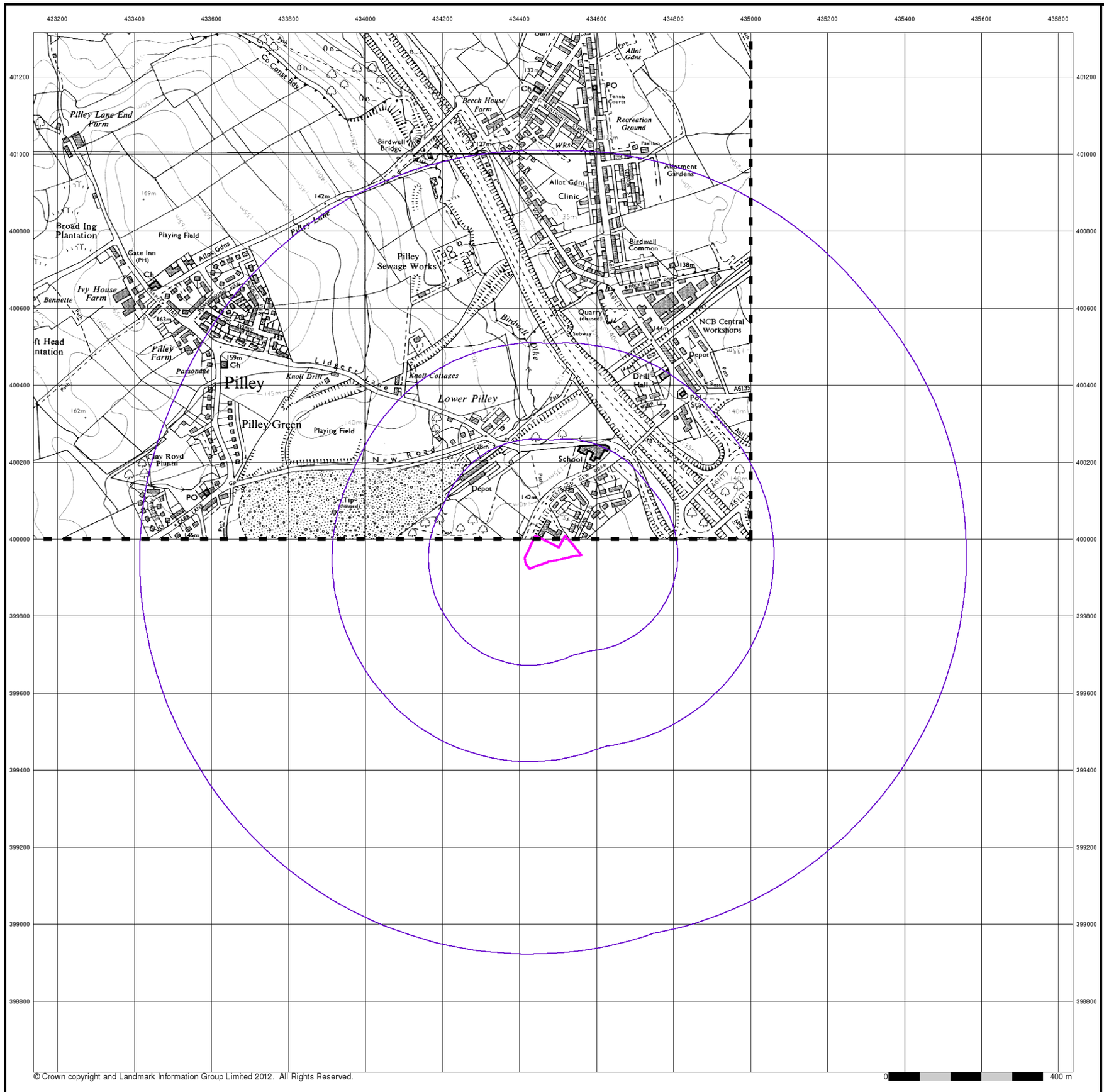
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Search Buffer (m):	1000

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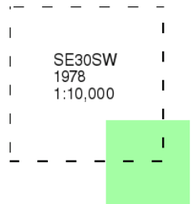
Ordnance Survey Plan

Published 1978

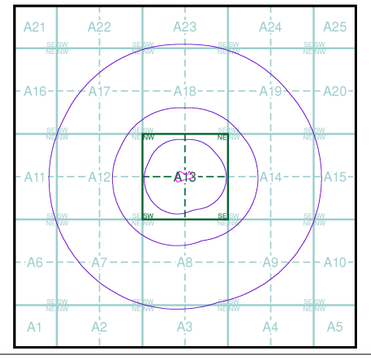
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

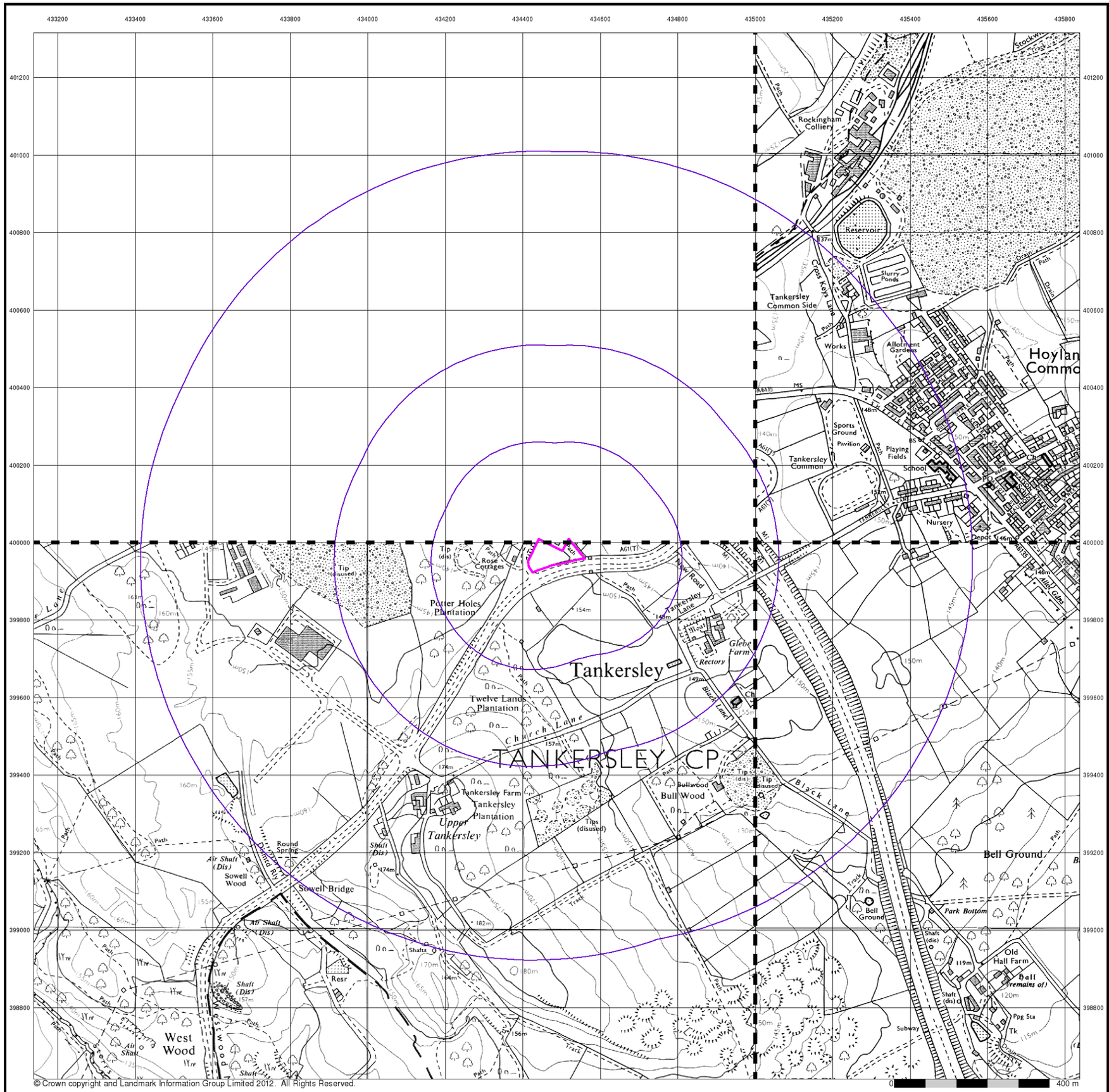
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Ordnance Survey Plan

Published 1980 - 1982

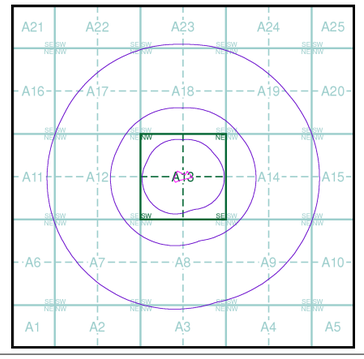
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Map Name(s) and Date(s)

SE30SE 1980 1:10,000	
SK39NW 1982 1:10,000	SK39NE 1982 1:10,000

Historical Map - Slice A



N

Order Details

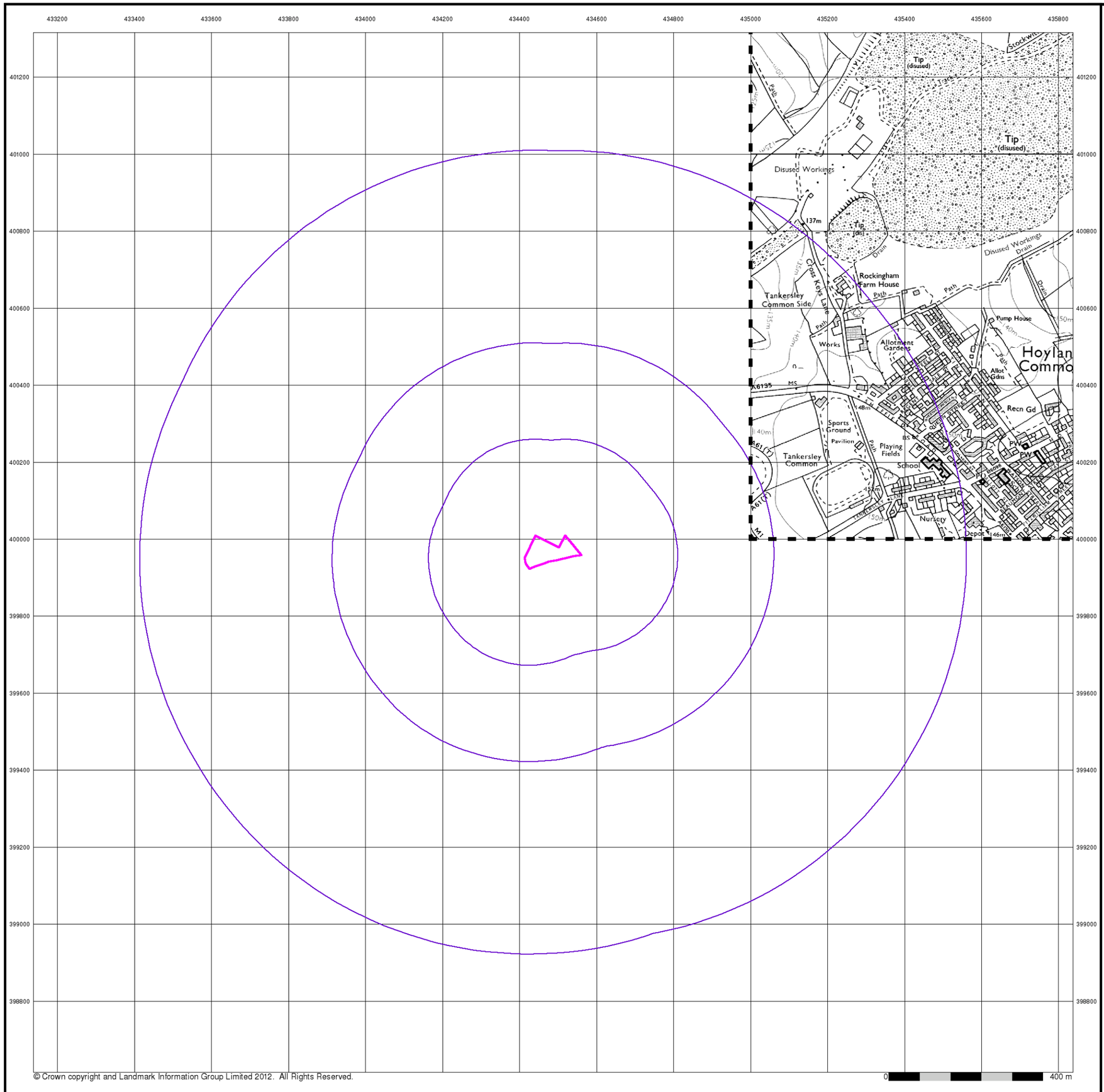
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Site Details

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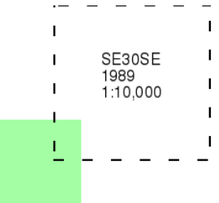
Ordnance Survey Plan

Published 1989

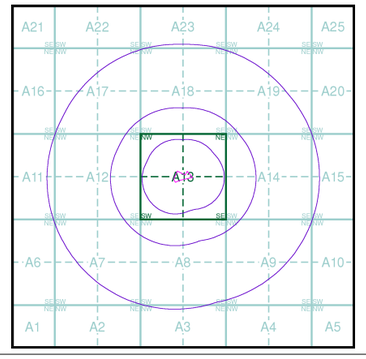
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



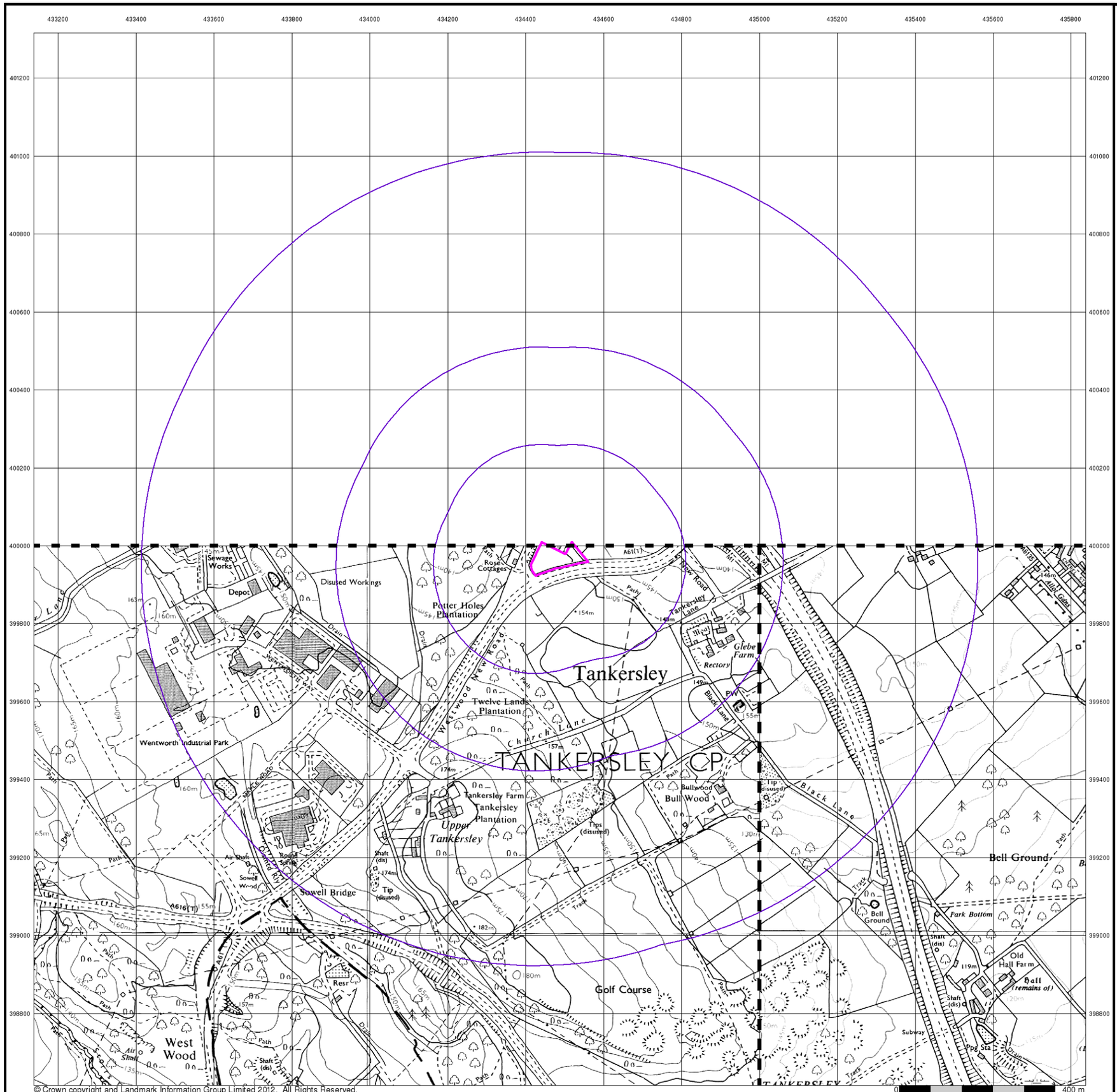
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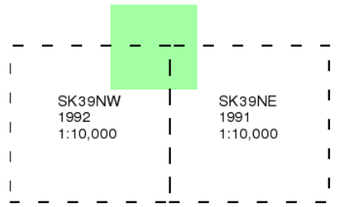
Ordnance Survey Plan

Published 1991 - 1992

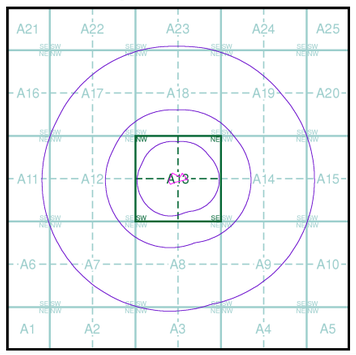
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



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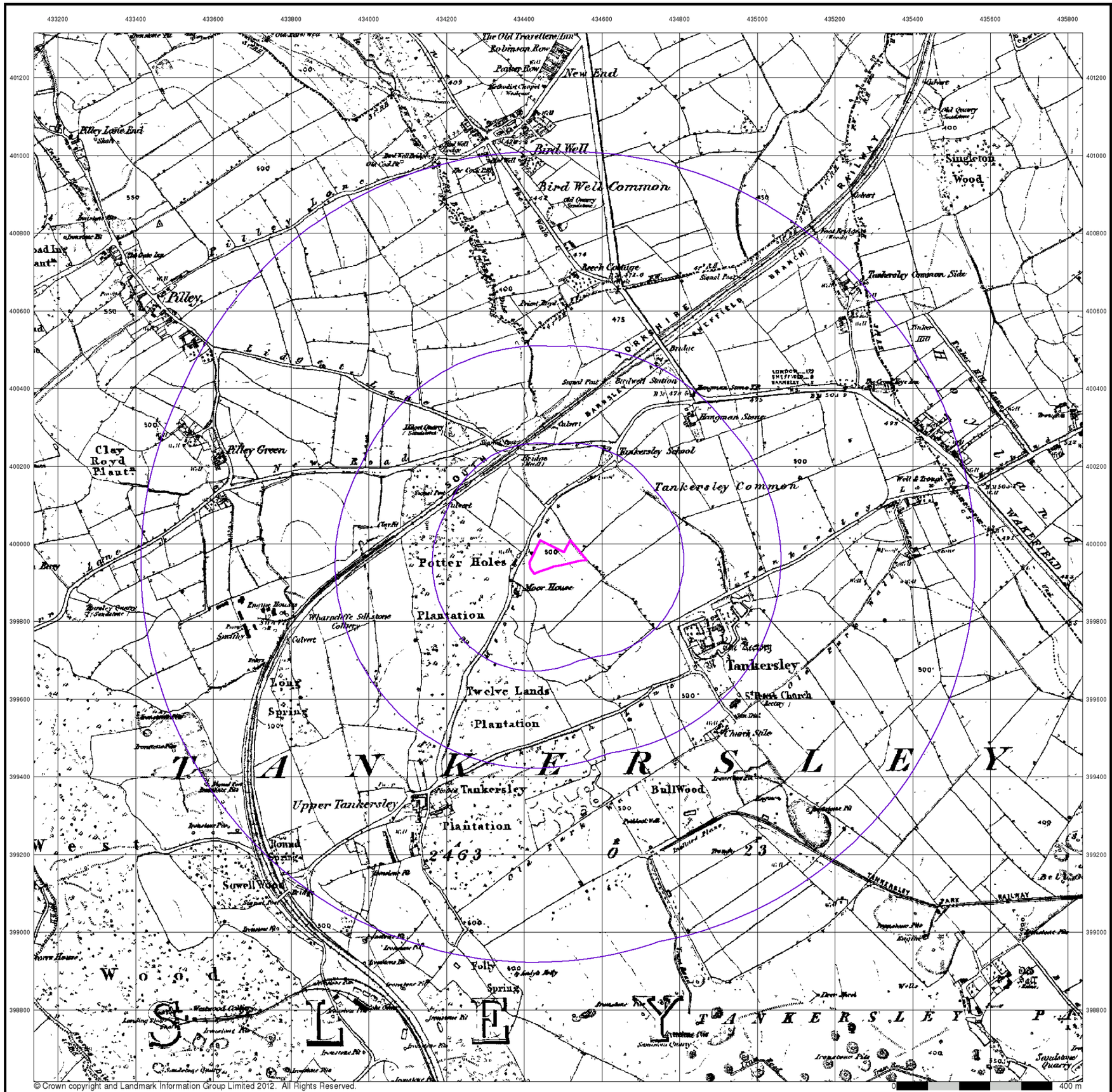
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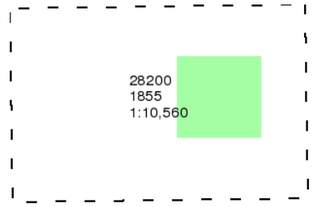
Yorkshire

Published 1855

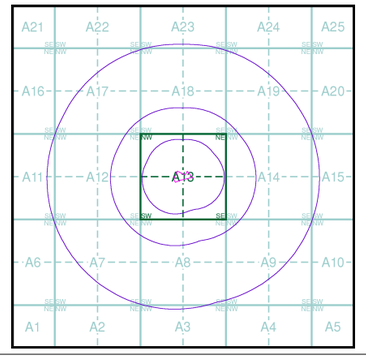
Source map scale - 1:10,560

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

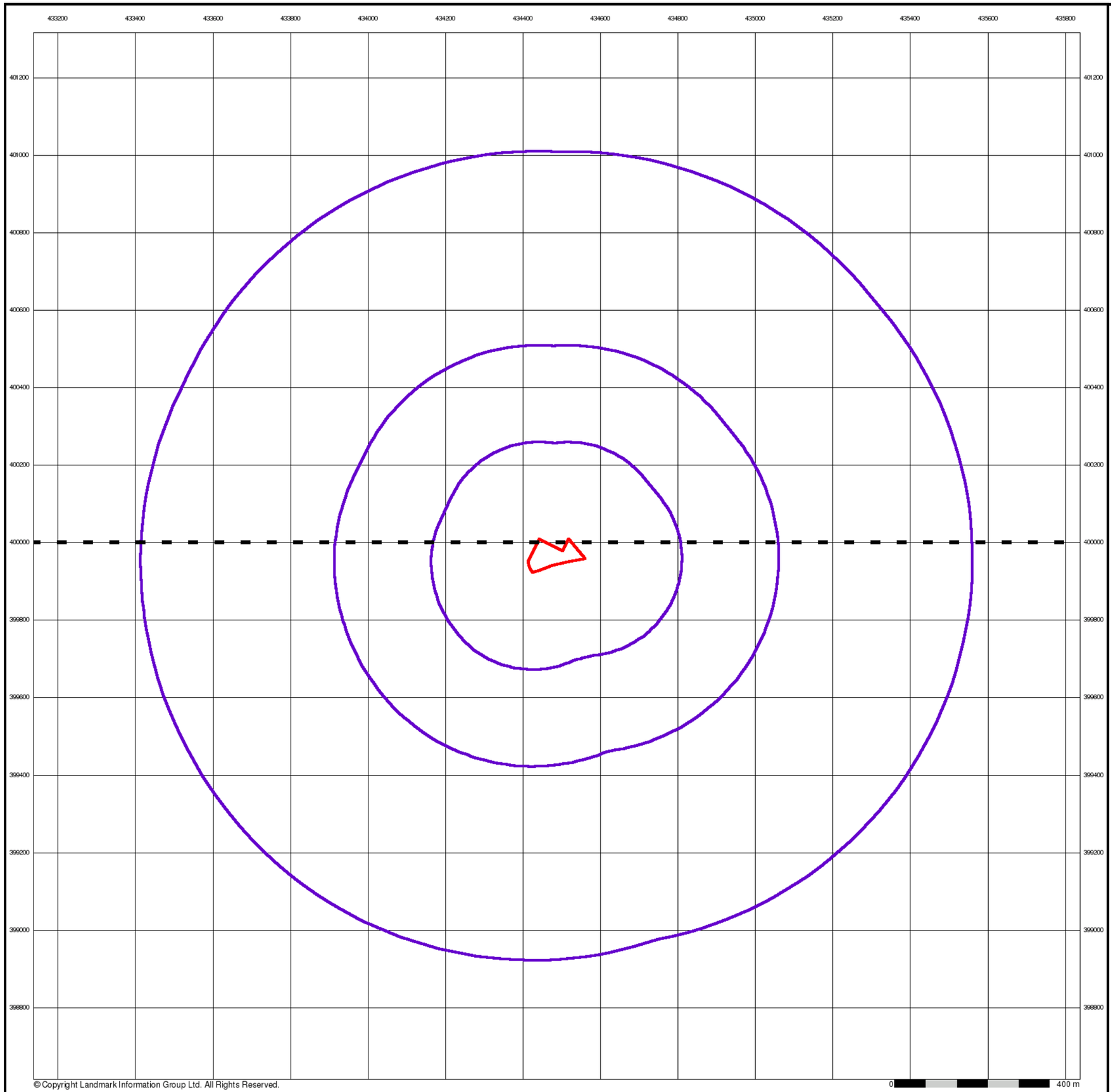


Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990



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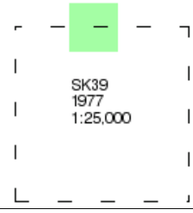
Sheffield

Published 1977

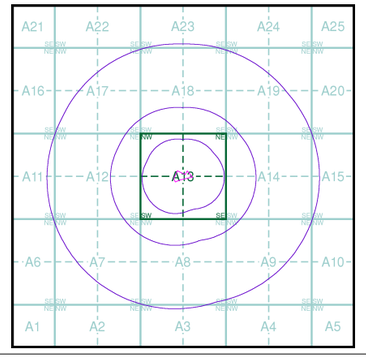
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



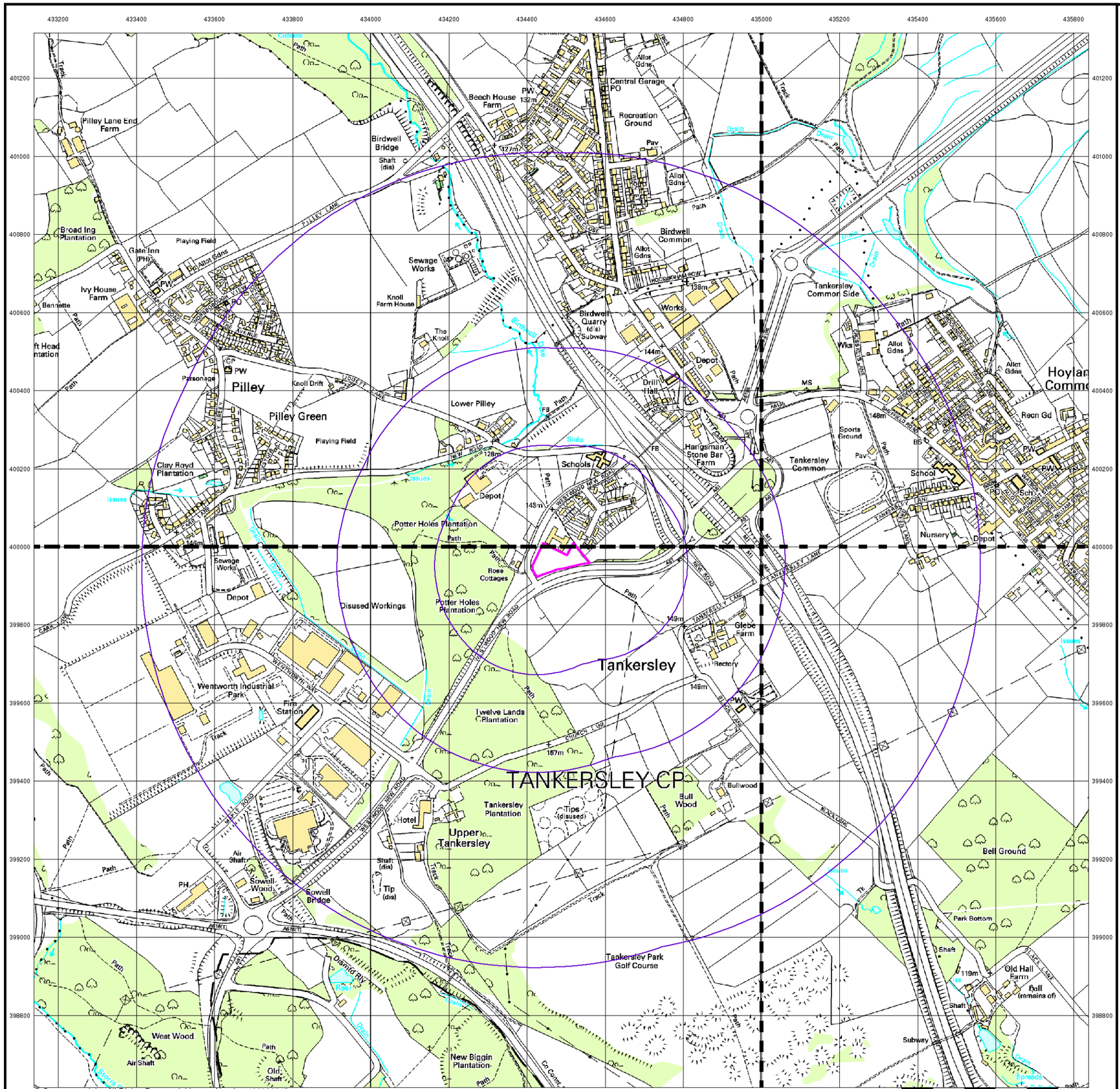
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Order Number:	37302555_1_1
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National Grid Reference:	434480, 399970
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Site Details

Site at 434490, 399990

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10k Raster Mapping

Published 2000

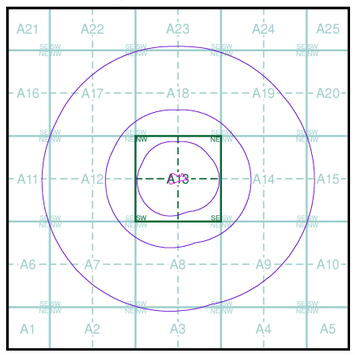
Source map scale - 1:10,000

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)

SE30SW 2000 1:10,000	SE30SE 2000 1:10,000
SK39NW 2000 1:10,000	SK39NE 2000 1:10,000

Historical Map - Slice A



Order Details

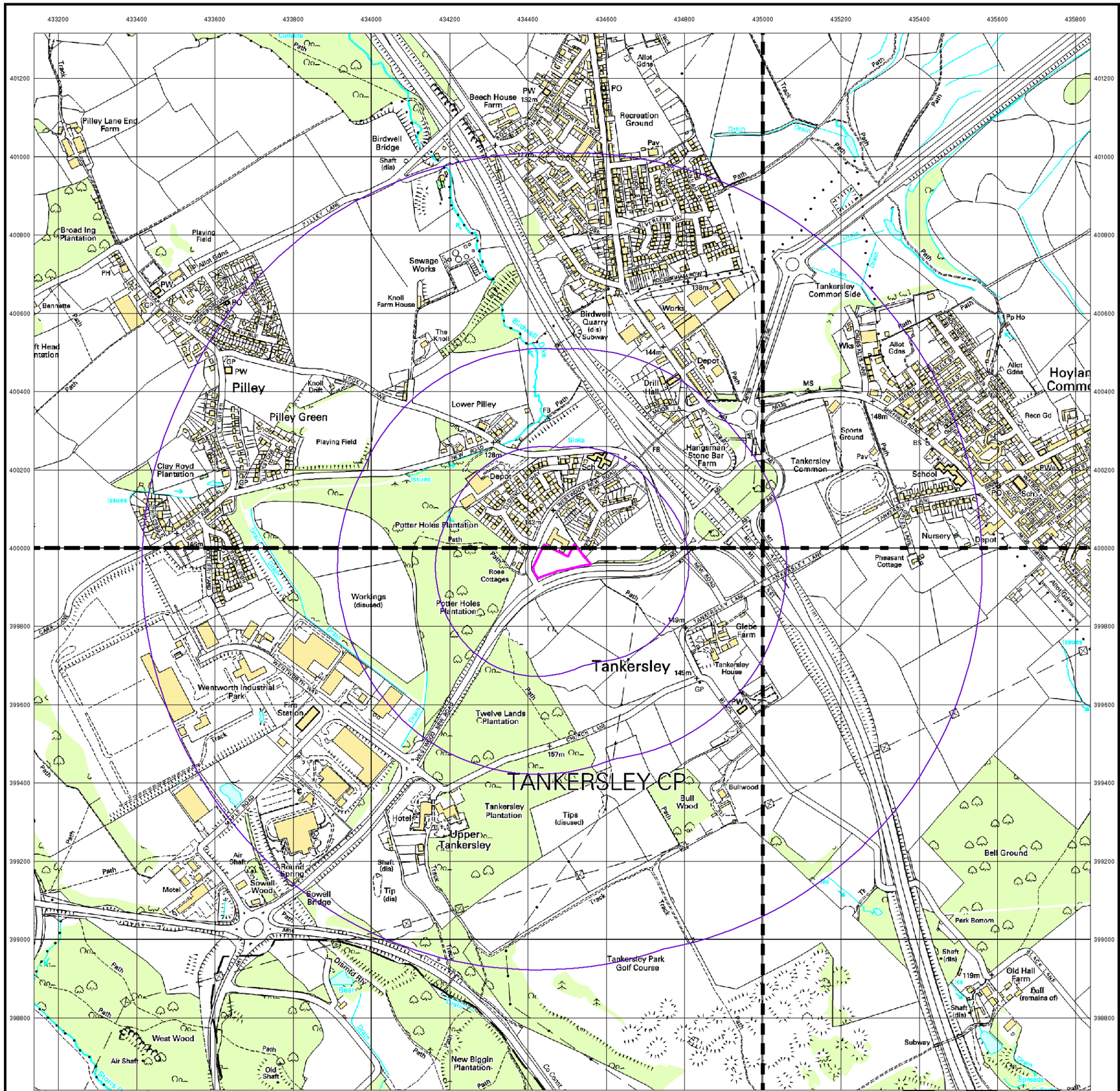
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Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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LK CONSULT LIMITED

10k Raster Mapping

Published 2006

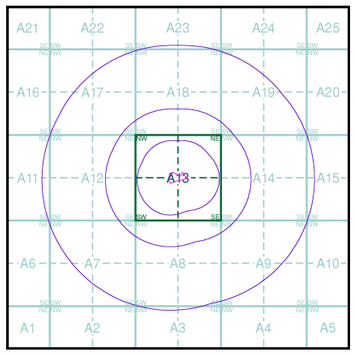
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE30SW 2006 1:10,000	SE30SE 2006 1:10,000
SK39NW 2006 1:10,000	SK39NE 2006 1:10,000

Historical Map - Slice A



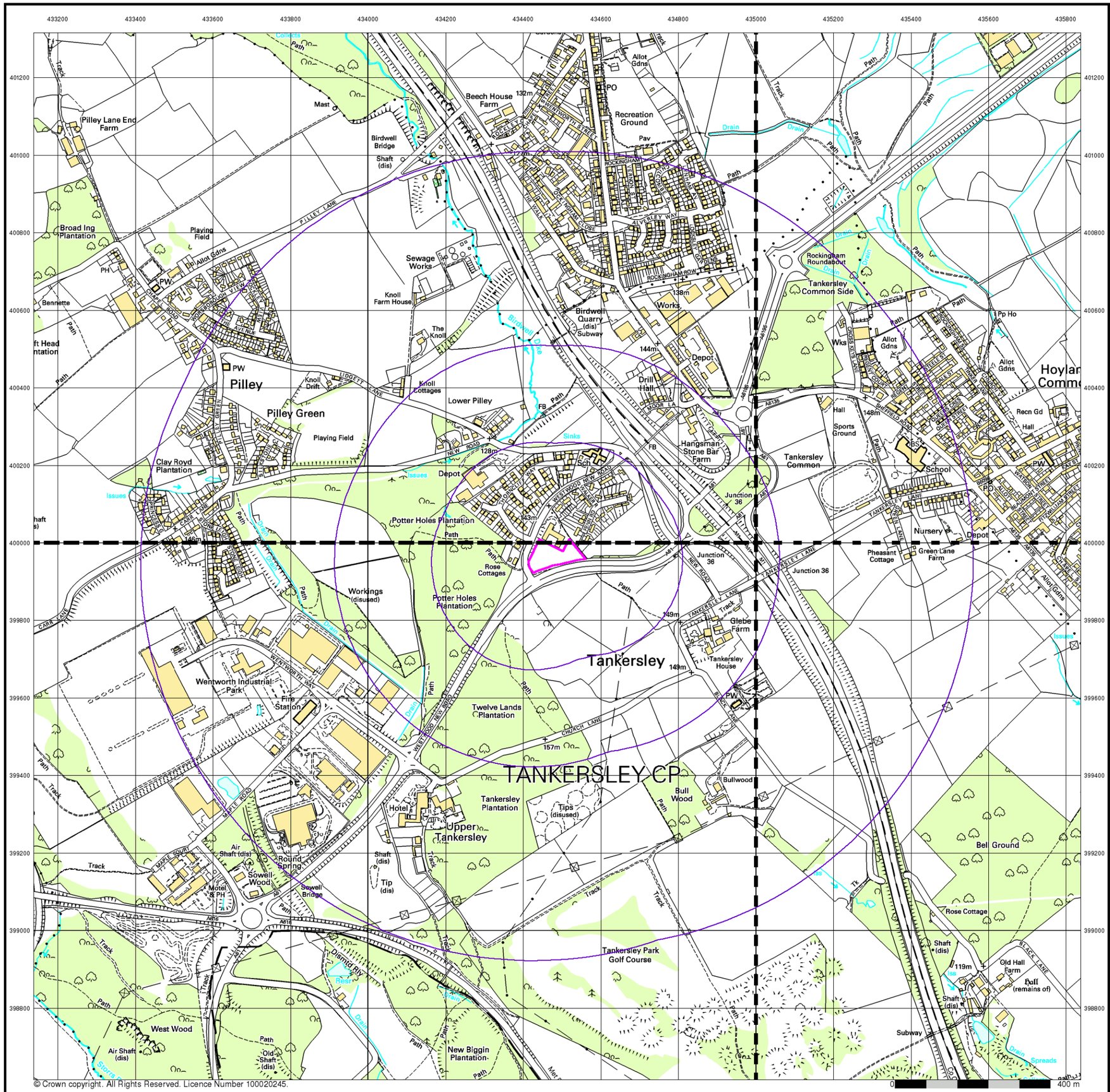
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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LK CONSULT LIMITED

10k Raster Mapping

Published 2011

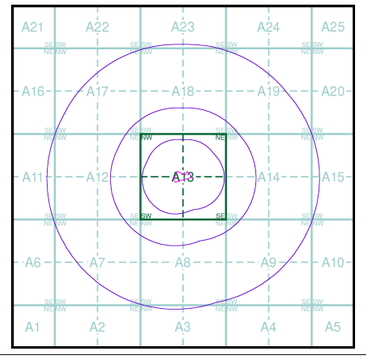
Source map scale - 1:10,000

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)

SE30SW 2011 1:10,000	SE30SE 2011 1:10,000
SK39NW 2011 1:10,000	SK39NE 2011 1:10,000

Historical Map - Slice A



Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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APPENDIX B

ENVIROCHECK REPORT

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
37302555_1_1

Customer Reference:
CL1902

National Grid Reference:
434480, 399970

Slice:
A

Site Area (Ha):
0.68

Search Buffer (m):
1000

Site Details:

Site at 434490, 399990

Client Details:

L Consult
LK Consult Ltd
Bury Business Centre
Kay Street
Bury
Lancashire
BL9 6BU

LK CONSULT LIMITED

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	12
Geological	13
Industrial Land Use	17
Sensitive Land Use	21
Data Currency	22
Data Suppliers	26
Useful Contacts	27

Introduction

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

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

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Peter Brett Associates Copyright Notice

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Radon Potential dataset Copyright Notice

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Report Version v47.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			2	12
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				6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5				6
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 6		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 6				1
Water Abstractions	pg 6				(*4)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 7	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	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
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 9			1	1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 9				2
Local Authority Recorded Landfill Sites	pg 10			1	2
Registered Landfill Sites	pg 10				1
Registered Waste Transfer Sites	pg 11				1
Registered Waste Treatment or Disposal Sites	pg 11				1

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 12				2
Explosive Sites	pg 12				1
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 12				1
Planning Hazardous Substance Consents	pg 12				1
Planning Hazardous Substance Enforcements					
Geological					
BGS Recorded Mineral Sites	pg 13			2	11
BGS 1:625,000 Solid Geology	pg 15	Yes	n/a	n/a	n/a
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 15	Yes	n/a	n/a	n/a
Mining Instability	pg 15	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 15	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 15	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 15		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 15		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 16	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 16	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 17			1	35
Fuel Station Entries	pg 20				2

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt	pg 21		1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 21		1		
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 21	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: British Coal Corporation, South Yorks Group Property Type: Sewerage Network - Pumping Station - Water Company Location: Wharncliffe Silkstone Pumping Stn, Tankersley, Sheffield, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: 3696 Permit Version: 1 Effective Date: 11th May 1983 Issued Date: 11th May 1983 Revocation Date: 21st November 1994 Discharge Type: Trade Effluent Discharge Environment: Freshwater Stream/River Receiving Water: Not Supplied **Status: Consent revoked: Discharge ceased (Water Resources Act 1991, Schedule 10 & 6)** Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	308	1	434200 400200
2	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Woodbine Cottages New Road/Lidget Lane (End Of), Tankersley, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7987 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 3rd February 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Birdwell 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	A18SW (N)	321	1	434430 400330
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Tankersley Sewage Treatment Works Ligett Lane, Near Worsborough, Barnsley, South Yorkshire, S75 3bs Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E698(Ss) Permit Version: 3 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Birdwell Dyke **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	762	1	434323 400761
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Tankersley Sewage Treatment Works Ligett Lane, Near Worsborough, Barnsley, South Yorkshire, S75 3bs Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E698(Ss) Permit Version: 3 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Birdwell Dyke **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18NW (N)	762	1	434323 400761

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Tankersley Stw, Nr Worsborough, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E698 (Ss) Permit Version: 1 Effective Date: 7th November 1989 Issued Date: 7th November 1989 Revocation Date: 31st March 1991 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Birdwell Dyke **Status: Transferred from Water Act 1989** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	804	1	434300 400800
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Tankersley Stw, Nr Worsborough, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E698 (Ss) Permit Version: 1 Effective Date: 7th November 1989 Issued Date: 7th November 1989 Revocation Date: 31st March 1991 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Birdwell Dyke **Status: Transferred from Water Act 1989** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	804	1	434300 400800
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Tankersley Stw, Nr Worsborough, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E698 (Ss) Permit Version: 3 Effective Date: 1st April 1992 Issued Date: 7th November 1989 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Birdwell Dyke **Status: Transferred from Water Act 1989** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	804	1	434300 400800
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Tankersley Stw, Nr Worsborough, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E698 (Ss) Permit Version: 3 Effective Date: 1st April 1992 Issued Date: 7th November 1989 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Birdwell Dyke **Status: Transferred from Water Act 1989** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	804	1	434300 400800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Tankersley Sewage Treatment Works Ligett Lane, Near Worsborough, Barnsley, South Yorkshire, S75 3bs Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E698(Ss) Permit Version: 1 Effective Date: 16th November 1981 Issued Date: 16th November 1981 Revocation Date: 23rd March 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Ditch Receiving Water: Birdwell Dyke **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	804	1	434300 400800
4	**Discharge Consents** Operator: G.B. Truck Services Ltd Property Type: Miscellaneous Transport Not Specified Location: G.B. Trucks Services Ltd Cross Keys Works, Cross Keys Lane, Hoyland Land, Barnsley, S74 0qa Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/P/1181 Permit Version: 1 Effective Date: 19th May 1963 Issued Date: 19th May 1963 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Short Wood Dike **Status: Undetermined 1961 Application** Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	921	1	435272 400542
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Pumping Station - Water Company Location: Cock Inn Sewage Pumping Stn End Of Chapel Street, Worsborough, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7785 Permit Version: 1 Effective Date: 26th February 2002 Issued Date: 26th February 2002 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Warren Dyke **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	A18NW (N)	962	1	434200 400940
6	**Discharge Consents** Operator: Gb Truck Services Property Type: Trade (Unknown/Other) Location: Cross Key Lane Works, Hoyland Common, Barnsley Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7281 Permit Version: 1 Effective Date: 28th January 1997 Issued Date: 28th January 1997 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contaminated Surface Water, Not Waste Sites) Discharge Environment: Freshwater Stream/River Receiving Water: Short Wood Dyke **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	979	1	435300 400600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: Gb Truck Services Property Type: Trade (Unknown/Other) Location: Cross Key Lane Works, Hoyland Common, Barnsley Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5082 Permit Version: 2 Effective Date: 21st June 1994 Issued Date: 21st June 1994 Revocation Date: 1st October 1996 Discharge Type: Trade Discharges - Site Drainage (Contaminated Surface Water, Not Waste Sites) Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Shortbridge Dyke **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	979	1	435300 400600
6	**Discharge Consents** Operator: Gb Truck Services Property Type: Trade (Unknown/Other) Location: Cross Key Lane Works, Hoyland Common, Barnsley Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5082 Permit Version: 1 Effective Date: 13th May 1988 Issued Date: 13th May 1988 Revocation Date: 20th June 1994 Discharge Type: Trade Discharges - Site Drainage (Contaminated Surface Water, Not Waste Sites) Discharge Environment: Freshwater Stream/River Receiving Water: Trib Of Shortbridge Dyke **Status: Transferred from COPA 1974** Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	979	1	435300 400600
7	**Local Authority Pollution Prevention and Controls** Name: Hartwood Exports (Machinery) Ltd Location: Hangmanstone Depot, Sheffield Road, Birdwell, BARNSLEY, South Yorkshire, S70 5TR Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/14 Dated: 20th January 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input **Status: Authorisation certificate surrendered by operatorSurrendered** Positional Accuracy: Automatically positioned to the address	A18SE (N)	613	2	434716 400589
8	**Local Authority Pollution Prevention and Controls** Name: Daimler Crysler Location: Wentworth Way, Tankersley, BARNSLEY, South Yorkshire, S75 3DH Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/36 Dated: 27th September 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	656	2	433794 399732
9	**Local Authority Pollution Prevention and Controls** Name: Qek Global Solutions (Uk) Limited Location: Wentworth Way, Tankersley, Barnsley, South Yorkshire, S75 3DH Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A12SW (W)	773	2	433690 399674

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Local Authority Pollution Prevention and Controls** Name: British Coal Corporation Location: Sheffield Road, Hoyland, Barnsley, S74 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/5 Coal, coke and coal product processes **Status: Authorisation revokedRevoked** Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	774	2	435201 400392
11	**Local Authority Pollution Prevention and Controls** Name: Cross Keys Garage Location: Sheffield Road, Hoyland, BARNSLEY, South Yorkshire, S74 0PY Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: PPC/B/105 Dated: 12th May 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	896	2	435343 400394
12	**Local Authority Pollution Prevention and Controls** Name: G B Trucks Ltd Location: Cross Keys Works, Cross Keys Lane, Hoyland, Barnsley, South Yorkshire, S74 0QA Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/40 Dated: 14th July 1995 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles **Status: Permitted** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	921	2	435272 400542
	Nearest Surface Water Feature	A13NW (W)	232	-	434212 400066
13	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Shortwood Dyke, ROCKINGHAM Authority: Environment Agency, North East Region Pollutant: Unknown Note: No Fish Killed Incident Date: 6th February 1995 Incident Reference: SH950184 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	A18SE (NE)	566	1	434800 400500
14	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Darfield/Source Dove(S) Afu Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Colour Note: Not Supplied Incident Date: 26th July 1993 Incident Reference: 147990 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	A19SW (NE)	622	1	434900 400500
15	**Pollution Incidents to Controlled Waters** Property Type: Farm Location: Netherwood Brdg/Aldham A633 Dove(S) 03 Authority: Environment Agency, North East Region Pollutant: Agricultural: Yard Run Off (Dirty Water) Note: Not Supplied Incident Date: 15th March 1993 Incident Reference: 145168 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	A19SW (NE)	704	1	434900 400600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	**Pollution Incidents to Controlled Waters** Property Type: Chemical industry Location: Rockingham Business Park, BIRDWELL Authority: Environment Agency, North East Region Pollutant: Chemicals - Unknown Note: Pollution Found; Fish Killed: No Information Incident Date: 4th July 1996 Incident Reference: SH960338 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	A19NW (NE)	790	1	434900 400700
17	**Pollution Incidents to Controlled Waters** Property Type: Industrial: Other Location: Chapman Drums, Rockingham Row, Birdwell, BARNSLEY Authority: Environment Agency, North East Region Pollutant: Chemicals - Solvents Note: Pollution Found; No Fish Killed Incident Date: 4th November 1996 Incident Reference: SH960475 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	A19NW (NE)	885	1	435001 400751
18	**Pollution Incidents to Controlled Waters** Property Type: Farm Location: Mouth/Source Wiske Af Authority: Environment Agency, North East Region Pollutant: Silage Liquor Note: Not Supplied Incident Date: 7th June 1993 Incident Reference: 145363 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	A19SE (NE)	917	1	435300 400500
	River Quality Name: Warren_Dyke GQA Grade: River Quality D Reach: Lower_Pilley_Rockley_Dyk Estimated Distance (km): 2.4 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13NE (N)	165	1	434519 400173
19	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Yorkshire Area Incident Date: 18th July 2003 Incident Reference: 174964 Water Impact: Category 1 - Major Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A18NW (N)	771	1	434254 400757
	Water Abstractions Operator: Tankersley Park Golf Club Licence Number: 2/27/06/043 Permit Version: 102 Location: Borehole-Shaft Coal Measures-High Green 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: Tankersley Park Golf Club, High Green, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NW (SE)	1629	1	435570 398680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Tankersley Park Golf Club Licence Number: 2/27/06/043 Permit Version: 100 Location: Strafford Shaft 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): 41 Yearly Rate (m3): 6820 Details: Tankersley Park Golf Club, High Green, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th March 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NW (SE)	1632	1	435600 398700
	Water Abstractions Operator: Tankersley Park Golf Club Licence Number: 2/27/06/043 Permit Version: 102 Location: Borehole-Shaft-Coal Measures-High Green-Sheffield 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: Tankersley Park Golf Club, High Green, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th February 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NW (SE)	1697	1	435700 398700
	Water Abstractions Operator: Tankersley Park Golf Club Licence Number: 2/27/06/043 Permit Version: 101 Location: Borehole - Shaft - Coal Measures - High Green Sheffield 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: Tankersley Park Golf Club, High Green, Sheffield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th October 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NW (SE)	1697	1	435700 398700
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13NW (N)	0	1	434483 400000
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 17 Derbyshire & North Staffordshire Scale: 1:100,000	A13SW (SW)	0	1	434483 399965
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13SW (SW)	0	3	434483 399965
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13NW (N)	0	3	434483 400001
	Superficial Aquifer Designations No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Historical Landfill Sites** Licence Holder: Hartwood Exports Location: Adjoining premises of Hartwood Exports (Machinery) Limited, Sheffield Road, Birdwell, Barnsley Name: British Rail Railway Cutting Operator Location: Sheffield Road, Birdwell, Barnsley Boundary Accuracy: As Supplied Provider Reference: EAHLD04408 First Input Date: 31st May 1983 Last Input Date: 31st December 1989 Specified Waste Type: Deposited Waste included Inert and Commercial Waste EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0455 BGS Ref: Not Supplied Other Ref: WD20 B378, 4400/B378, 20B378(53), (36)B, 4400/(36), 4400/0439	A18SE (N)	434	1	434641 400425
21	**Historical Landfill Sites** Licence Holder: B D R Waste Disposal Limited Location: Birdwell, Barnsley, South Yorkshire Name: Birdwell Common Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04406 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0555 BGS Ref: Not Supplied Other Ref: WD20 D928, 4400/(153)	A18SE (N)	523	1	434521 400532
22	**Licensed Waste Management Facilities (Locations)** Licence Number: 65291 Location: Lidget Garage, Sheffield Road, Hoyland Common, Barnsley, South Yorkshire, S74 0EB Operator Name: Richard Adrian Goodwin Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Physico-chemical Treatment Facilities **Licence Status: Issued** Issued: 5th April 2006 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	555	1	434990 400309
23	**Licensed Waste Management Facilities (Locations)** Licence Number: 60553 Location: Hangmanstone Depot, Sheffield Road, Birdwell, Barnsley, South Yorkshire, S70 5TR Operator Name: Hartwood Estates Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) **Licence Status: Surrendered** Issued: 22nd November 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 16th February 2009 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SE (N)	606	1	434720 400580
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	2	434483 399965

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 36 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status:** **Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A18SE (N)	429	2	434644 400418
25	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 153 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status:** **Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A18SE (N)	537	2	434552 400544
26	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 53 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status:** **Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A18SE (NE)	549	2	434764 400500
27	**Registered Landfill Sites** Licence Holder: Hartwood Exports (Machinery) Licence Reference: WD20 B 378 Site Location: Railway Cutting At Sheffield Road, Birdwell, Barnsley, South Yorkshire Licence Easting: 434900 Licence Northing: 400600 Operator Location: Sheffield Road, Birdwell, Barnsley, South Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill - Railway cutting Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st May 1983 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Clay,Subsoil,Topsoil Construction And Demolition Wastes Foundry Sand & Slag Hardcore Waste Ex Coal Processing Prohibited Waste: Asbestos Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.	A19SW (NE)	704	1	434900 400600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Registered Waste Transfer Sites** Licence Holder: Deborah Tornese Licence Reference: WD20 B1036 Site Location: Unit 12 Rockingham Road, Birdwell, BARNSLEY, South Yorkshire, S70 5TU Operator Location: 12 Cranemoor Nook, Cranemoor, Wortley, Sheffield, South Yorkshire Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Site exempt from licenceExempt Dated: 1st December 1993 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Empty Used Containers Max.Storage In Licence Prohibited Waste: Waste N.O.S.	A19NW (NE)	779	1	434930 400670
29	**Registered Waste Treatment or Disposal Sites** Licence Holder: Hartwood Exports (Machinery) Ltd Licence Reference: WD20 B1120 MOD 2 Site Location: Hangmanstone Depot, Sheffield Road, Birdwell, BARNSLEY, South Yorkshire, S70 5TR Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 22nd November 1996 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Scrap Motor Vehicles Max.Stor Scrap Tyres Max.Stor Prohibited Waste: Liquid Wastes Waste N.O.S.	A18SE (N)	606	1	434720 400580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Control of Major Accident Hazards Sites (COMAH)** Name: J Warton (Shipping) Ltd Location: Wentworth Way, Tankersley, BARNSLEY, South Yorkshire, S75 3DH Reference: Not Supplied Type: Lower Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Manually positioned to the road within the address or location	A7NE (SW)	617	4	433912 399580
31	**Control of Major Accident Hazards Sites (COMAH)** Name: Mercedes Benz (UK) Ltd T/A Q E K Location: Wentworth Industrial Estate, Tankersley, BARNSLEY, South Yorkshire, S75 3DH Reference: Not Supplied Type: Lower Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Automatically positioned to the address	A12SW (W)	773	4	433690 399674
32	**Explosive Sites** Name: Maple Road/Jimmy'S Wholesale Fireworks Limited Location: Wentworth Business Park, Tankersley, Barnsley, Syork **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	859	4	433738 399409
33	**Notification of Installations Handling Hazardous Substances (NIHHS)** Name: Mercedes Benz (Uk) Ltd. Location: Wentworth Industrial Park, Tankersley, BARNSLEY, South Yorkshire **Status: Active** Positional Accuracy: Automatically positioned within the geographical locality	A12SE (SW)	657	4	433823 399656
34	**Planning Hazardous Substance Consents** Name: Mercedes Benz Ltd Location: Wentworth Way, Tankersley, BARNSLEY, South Yorkshire, S75 4AD Authority: Barnsley Metropolitan Borough Council, Planning Department Application Ref: HSC/92/3 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 100 Application date: 13th August 1992 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	662	5	433784 399743

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	**BGS Recorded Mineral Sites** Site Name: Lidget Location: Pilley, Hoyland, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38057 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	A13NW (NW)	359	3	434226 400296
36	**BGS Recorded Mineral Sites** Site Name: Potter Holes Clay Pit Location: Potter Holes Plantation, Tankersley, Hoyland, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 111447 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12NE (W)	428	3	433993 400029
37	**BGS Recorded Mineral Sites** Site Name: Tankersley Plantation Ironstone Pits Location: Tankersley, Hoyland, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38139 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Tankersley Ironstone Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	558	3	434568 399383
38	**BGS Recorded Mineral Sites** Site Name: Tankersley Plantation Ironstone Pits Location: Tankersley, Hoyland, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38138 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Tankersley Ironstone Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A8NW (S)	593	3	434439 399330
39	**BGS Recorded Mineral Sites** Site Name: Birdwell Location: Hoyland, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13311 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)	596	3	434650 400590
40	**BGS Recorded Mineral Sites** Site Name: Tankersley Plantation Ironstone Pits Location: Tankersley, Hoyland, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38141 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Tankersley Ironstone Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A8NE (S)	617	3	434548 399318

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	**BGS Recorded Mineral Sites** Site Name: Wharncliffe Silkstone Colliery Location: Tankersley, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13312 Type: Underground **Status: Ceased** Operator: Ncb South Yorkshire Area Operator Location: Golden Smithies Lane, Wath-Upon-Dearne, Rotherham, South Yorkshire, S63 7ew Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SW (W)	644	3	433785 399810
42	**BGS Recorded Mineral Sites** Site Name: Tankersley Plantation Ironstone Pits Location: Tankersley, Hoyland, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38140 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Tankersley Ironstone Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	652	3	434468 399272
43	**BGS Recorded Mineral Sites** Site Name: Tankersley Ironstone Pit Location: Tankersley, Hoyland, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38097 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Tankersley Ironstone Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	698	3	434986 399405
44	**BGS Recorded Mineral Sites** Site Name: Bird Well Common Location: Birdwell, Worsbrough, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38056 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	A18NE (N)	837	3	434498 400845
45	**BGS Recorded Mineral Sites** Site Name: Tankersley Ironstone Pit Location: Tankersley, Hoyland, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38098 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Tankersley Ironstone Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	865	3	435138 399314
46	**BGS Recorded Mineral Sites** Site Name: Tankersley Brick Works Location: Tankersley, Hoyland, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38062 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A11SE (W)	961	3	433454 399917

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	**BGS Recorded Mineral Sites** Site Name: West Wood Ironstone Pits Location: Tankersley, Hoyland, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 38147 Type: Underground **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Tankersley Ironstone Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	998	3	433582 399389
	BGS 1:625,000 Solid Geology Description: Lower Westphalian (mainly Productive Coal Measures)	A13SW (SW)	0	3	434483 399965
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13SW (SW)	0	6	434483 399965
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (SW)	0	-	434483 399965
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	3	434483 399965
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434483 400001
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434483 400001
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	3	434483 399965
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434483 400001
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	3	434483 399965
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	191	3	434341 400171
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434483 400001
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	3	434483 399965
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	218	3	434461 399708
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	3	434483 399965
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434483 400001
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	191	3	434341 400171

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	434427 399968
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434483 400001
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	3	434483 399965
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	6	3	434432 400001
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	76	3	434340 399969
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	87	3	434486 399843
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	127	3	434298 400001
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	142	3	434274 399982
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	148	3	434703 400001
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	222	3	434411 400229
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	3	434483 399926
	Radon Potential - Radon Affected Areas Affected Area: The property is in a radon affected area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434483 400001
	Radon Potential - Radon Affected Areas Affected Area: The property is in a radon affected area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	3	434483 399965
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	3	434483 399926
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434483 400001
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	3	434483 399965

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**Contemporary Trade Directory Entries** Name: Birdwell Armoury Indoor Shooting Centre Location: 346, Sheffield Road, Birdwell, Barnsley, South Yorkshire, S70 5TU Classification: Gunsmiths **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	491	-	434774 400428
49	**Contemporary Trade Directory Entries** Name: Take 2 Printers Location: 311, Sheffield Road, Birdwell, Barnsley, South Yorkshire, S70 5TU Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	551	-	434671 400538
50	**Contemporary Trade Directory Entries** Name: Fox Aluminium Systems Ltd Location: Wentworth Way, Tankersley, Barnsley, South Yorkshire, S75 3DH Classification: Aluminium Fabricators **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	583	-	433870 399736
51	**Contemporary Trade Directory Entries** Name: Hartwood Exports (Machinery) Ltd Location: Hangmanstone Depot, Sheffield Road, Birdwell, Barnsley, South Yorkshire, S70 5TR Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	613	-	434716 400589
52	**Contemporary Trade Directory Entries** Name: Wentworth Warehousing & Distribution Ltd Location: Wentworth Industrial Park, Maple Road, Tankersley, Barnsley, South Yorkshire, S75 3DL Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	638	-	433960 399487
53	**Contemporary Trade Directory Entries** Name: Colin Vaines & Sons Ltd Location: 2, The Walk, Birdwell, Barnsley, South Yorkshire, S70 5UA Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (N)	652	-	434629 400651
54	**Contemporary Trade Directory Entries** Name: Keddy Services Location: Wentworth Way, Tankersley, Barnsley, South Yorkshire, S75 3DH Classification: Commercial Vehicle Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12SE (SW)	652	-	433836 399642
54	**Contemporary Trade Directory Entries** Name: Cranes Uk Ltd Location: Wentworth Industrial Park,Wentworth Way, Tankersley, Barnsley, South Yorkshire, S75 3DH Classification: Crane Hire, Sales & Service **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12SE (SW)	659	-	433823 399652
54	**Contemporary Trade Directory Entries** Name: Aaron Environmental Ltd Location: Unit 3,Wentworth Ind Park,Wentworth Way, Tankersley, Barnsley, South Yorkshire, S75 3DH Classification: Reclaiming - Waste Products **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A12SW (SW)	666	-	433810 399663
55	**Contemporary Trade Directory Entries** Name: The Partlow Partnership Location: Unit 6 Rockingham Row, Birdwell, Barnsley, South Yorkshire, S70 5TW Classification: Greeting Card Publishers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	704	-	434760 400670
56	**Contemporary Trade Directory Entries** Name: May Gurney Ltd Location: Unit 4, Rockingham Business Park, Rockingham Row, Birdwell, BARNSLEY, South Yorkshire, S70 5TW Classification: Sewage Disposal - Equipment & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	709	-	434836 400643

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	**Contemporary Trade Directory Entries** Name: Birdwell Garage Location: Unit 6, Rockingham Business Park, Rockingham Row, Birdwell, Barnsley, South Yorkshire, S70 5TW Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	742	-	434875 400659
56	**Contemporary Trade Directory Entries** Name: Company Shop Location: Rockingham Row, Birdwell, Barnsley, South Yorkshire, S70 5TW Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	750	-	434844 400684
56	**Contemporary Trade Directory Entries** Name: Bmw Breaking Centre Location: Unit 3, Rockingham Business Park, Rockingham Row, Birdwell, Barnsley, South Yorkshire, S70 5TW Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A19NW (NE)	757	-	434852 400688
57	**Contemporary Trade Directory Entries** Name: South Yorkshire) Tarmacadam Contractors Ltd Location: Wentworth Industrial Park, Wentworth Way, Tankersley, Barnsley, South Yorkshire, S75 3DH Classification: Asphalt & Coated Macadam Laying Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	719	-	433717 399772
57	**Contemporary Trade Directory Entries** Name: South Yorkshire Tarmacadam Contractors Ltd Location: Wentworth Industrial Park, Wentworth Way, Tankersley, Barnsley, South Yorkshire, S75 3DH Classification: Asphalt & Coated Macadam Laying Contractors **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	719	-	433717 399772
57	**Contemporary Trade Directory Entries** Name: Mercedes Benz Location: Wentworth Ind Park,Wentworth Way, Tankersley, Barnsley, South Yorkshire, S75 3DH Classification: Commercial Vehicle Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	727	-	433721 399728
58	**Contemporary Trade Directory Entries** Name: G & G Engineering Mechanical Services Ltd Location: Unit 5, Rockingham Business Park, Rockingham Row, Birdwell, Barnsley, South Yorkshire, S70 5TW Classification: Engineers - General **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	727	-	434897 400629
58	**Contemporary Trade Directory Entries** Name: Darwill Ltd Location: Unit 13, Rockingham Business Park, Rockingham Row, Birdwell, Barnsley, South Yorkshire, S70 5TW Classification: Crane Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19NW (NE)	762	-	434906 400665
59	**Contemporary Trade Directory Entries** Name: Twin Tub (Uk) Location: 247, Sheffield Road, Birdwell, Barnsley, South Yorkshire, S70 5TN Classification: Washing Machines - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	748	-	434651 400744
60	**Contemporary Trade Directory Entries** Name: Trekdale Transport Ltd Location: Rockingham Row, Birdwell, Barnsley, South Yorkshire, S70 5TW Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18NE (NE)	757	-	434799 400711

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	**Contemporary Trade Directory Entries** Name: Jimmys Wholesale Fireworks Ltd Location: Wentworth Ind Park,Maple Rd, Tankersley, Barnsley, South Yorkshire, S75 3DL Classification: Firework Stockists **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	810	-	433757 399466
61	**Contemporary Trade Directory Entries** Name: Jimmy'S Fireworks Ltd Location: Wentworth Ind Park,Maple Rd, Tankersley, Barnsley, South Yorkshire, S75 3DL Classification: Firework Stockists **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	810	-	433757 399466
61	**Contemporary Trade Directory Entries** Name: Mereceds Benz (Uk) Ltd Location: Wentworth Ind Park,Wentworth Way, Tankersley, Barnsley, South Yorkshire, S75 3DH Classification: Commercial Vehicle Dealers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	823	-	433746 399458
61	**Contemporary Trade Directory Entries** Name: Earth Tech Engineering Ltd Location: Wentworth Industrial Park, Maple Road, Tankersley, BARNSLEY, South Yorkshire, S75 3DL Classification: Engineering Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A7NW (SW)	828	-	433737 399462
62	**Contemporary Trade Directory Entries** Name: Lidgett Garage Location: Sheffield Rd, Hoyland, Barnsley, South Yorkshire, S74 0EB Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	829	-	435276 400376
62	**Contemporary Trade Directory Entries** Name: A H Fastners (Uk) Ltd Location: Sheffield Rd, Hoyland Common, Barnsley, South Yorkshire, S74 0EB Classification: Fasteners & Fixing Devices **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	855	-	435319 400352
62	**Contemporary Trade Directory Entries** Name: Cross Keys Garage (Barnsley) Ltd Location: Sheffield Road, Hoyland, Barnsley, South Yorkshire, S74 0PY Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	896	-	435343 400394
63	**Contemporary Trade Directory Entries** Name: Cross Keys Filling Station Location: Sheffield Road, Hoyland, Barnsley, South Yorkshire, S74 0PY Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	849	-	435288 400396
64	**Contemporary Trade Directory Entries** Name: J M Cleaning Services Location: 10, Tankersley Lane, Hoyland, Barnsley, South Yorkshire, S74 0DS Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	903	-	435444 400147
65	**Contemporary Trade Directory Entries** Name: G B Truck Services Ltd Location: Cross Keys Works, Cross Keys Lane, Hoyland, Barnsley, South Yorkshire, S74 0QA Classification: Diesel Fuel Injection Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	920	-	435272 400542
65	**Contemporary Trade Directory Entries** Name: S & H Recovery Services Ltd Location: Cross Keys Works, Cross Keys Lane, Hoyland, Barnsley, South Yorkshire, S74 0QA Classification: Breakdown and Recovery **Status: Active** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	920	-	435272 400542

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**Contemporary Trade Directory Entries** Name: G B Truck Services Ltd Location: Cross Keys Works, Cross Keys Lane, Hoyland, Barnsley, South Yorkshire, S74 0QA Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	920	-	435272 400542
65	**Contemporary Trade Directory Entries** Name: G B Truck Service Ltd Location: Cross Keys Works, Cross Keys Lane, Hoyland, Barnsley, South Yorkshire, S74 0QA Classification: Commercial Vehicle Bodybuilders & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	920	-	435272 400542
66	**Contemporary Trade Directory Entries** Name: Kustom Sport Location: Regent St, Hoyland, Barnsley, South Yorkshire, S74 0PU Classification: Carpets & Rugs - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A19SE (NE)	969	-	435436 400372
67	**Contemporary Trade Directory Entries** Name: Lam Communications Ltd Location: 52, Sheffield Road, Hoyland, Barnsley, South Yorkshire, S74 0DQ Classification: Radio Communication Equipment **Status: Active** Positional Accuracy: Manually positioned to the address or location	A15NW (E)	987	-	435510 400228
68	**Fuel Station Entries** Name: Lidgett Garage Location: A6135, Hoyland Common, Barnsley, South Yorkshire, S74 0EB Brand: Unbranded Premises Type: Petrol Station **Status: Non-Retail** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	562	-	435006 400301
69	**Fuel Station Entries** Name: Cross Keys Garage Location: Sheffield Road, Hoyland, Barnsley, South Yorkshire, S74 0PY Brand: JET Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	883	-	435328 400395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
70	**Areas of Adopted Green Belt** Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Barnsley Unitary Development Plan **Status: Adopted** Plan Date: 31st December 2000	A13SE (S)	33	5	434501 399905
71	**Local Nature Reserves** Name: Potter Holes Plantation Multiple Area: N Area (m2): 86653.81 Source: Natural England Designation Date: 3rd May 1996	A13SW (W)	45	9	434371 399936
72	**Nitrate Vulnerable Zones** Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13SW (SW)	0	10	434483 399965
73	**Nitrate Vulnerable Zones** Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NW (N)	0	10	434483 400000

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Sheffield City Council - Environmental Protection Service	April 2011	Annual Rolling Update
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	July 2011	Annual Rolling Update
Rotherham Metropolitan Borough Council - Environmental Health Department	November 2011	Annual Rolling Update
Discharge Consents		
Environment Agency - North East Region	October 2011	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North East Region	January 2012	Quarterly
Integrated Pollution Controls		
Environment Agency - North East Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - North East Region	October 2011	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Sheffield City Council - Environmental Protection Service	February 2011	Annual Rolling Update
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	January 2011	Annual Rolling Update
Rotherham Metropolitan Borough Council - Planning Department	September 2011	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Sheffield City Council - Environmental Protection Service	February 2011	Annual Rolling Update
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	January 2011	Annual Rolling Update
Rotherham Metropolitan Borough Council - Planning Department	September 2011	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	December 2011	Annual Rolling Update
Sheffield City Council - Environmental Protection Service	January 2012	Annual Rolling Update
Rotherham Metropolitan Borough Council - Planning Department	September 2011	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	September 2011	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North East Region	January 2012	Monthly
Prosecutions Relating to Controlled Waters		
Environment Agency - North East Region	January 2012	Monthly
Registered Radioactive Substances		
Environment Agency - North East Region	October 2011	Quarterly
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	January 2011	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	January 2011	Annually
Substantiated Pollution Incident Register		
Environment Agency - North East Region - Ridings Area	October 2011	Quarterly
Environment Agency - North East Region - Yorkshire Area	October 2011	Quarterly
Water Abstractions		
Environment Agency - North East Region	October 2011	Quarterly
Water Industry Act Referrals		
Environment Agency - North East Region	October 2011	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	September 2011	Annually
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	September 2011	Annually
Source Protection Zones		
Environment Agency - Head Office	July 2011	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	November 2011	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	November 2011	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	November 2011	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	November 2011	Quarterly
Flood Defences		
Environment Agency - Head Office	November 2011	Quarterly
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - North East Region - Ridings Area	October 2011	Quarterly
Environment Agency - North East Region - Yorkshire Area	October 2011	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North East Region - Ridings Area	October 2011	Quarterly
Environment Agency - North East Region - Yorkshire Area	October 2011	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North East Region - Ridings Area	October 2011	Quarterly
Environment Agency - North East Region - Yorkshire Area	October 2011	Quarterly
Local Authority Landfill Coverage		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Rotherham Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Sheffield City Council - Environmental Protection Service	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Rotherham Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Sheffield City Council - Environmental Protection Service	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	December 2011	Bi-Annually
Explosive Sites		
Health and Safety Executive	January 2011	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Sheffield City Council	December 2011	Annual Rolling Update
Rotherham Metropolitan Borough Council	November 2011	Annual Rolling Update
Barnsley Metropolitan Borough Council - Planning Department	October 2011	Annual Rolling Update
Planning Hazardous Substance Consents		
Sheffield City Council	December 2011	Annual Rolling Update
Rotherham Metropolitan Borough Council	November 2011	Annual Rolling Update
Barnsley Metropolitan Borough Council - Planning Department	October 2011	Annual Rolling Update
Geological	**Version**	**Update Cycle**
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	October 2011	Bi-Annually
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Brine Compensation Area		
Cheshire Brine Subsidence Compensation Board	November 2002	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Mining Report Service	August 2011	As notified
Mining Instability		
Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	February 2011	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries		
Thomson Directories	November 2011	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	November 2011	Quarterly

Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt		
Barnsley Metropolitan Borough Council - Planning Department	May 2011	As notified
Rotherham Metropolitan Borough Council	May 2011	As notified
Sheffield City Council	May 2011	As notified
Areas of Unadopted Green Belt		
Barnsley Metropolitan Borough Council - Planning Department	May 2011	As notified
Rotherham Metropolitan Borough Council	May 2011	As notified
Sheffield City Council	May 2011	As notified
Areas of Outstanding Natural Beauty		
Natural England	September 2011	Bi-Annually
Environmentally Sensitive Areas		
Natural England	September 2011	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	September 2011	Bi-Annually
Marine Nature Reserves		
Natural England	September 2011	Bi-Annually
National Nature Reserves		
Natural England	September 2011	Bi-Annually
National Parks		
Natural England	September 2011	Bi-Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	March 2003	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2011	Annually
Ramsar Sites		
Natural England	September 2011	Bi-Annually
Sites of Special Scientific Interest		
Natural England	September 2011	Bi-Annually
Special Areas of Conservation		
Natural England	September 2011	Bi-Annually
Special Protection Areas		
Natural England	September 2011	Bi-Annually

Data Suppliers

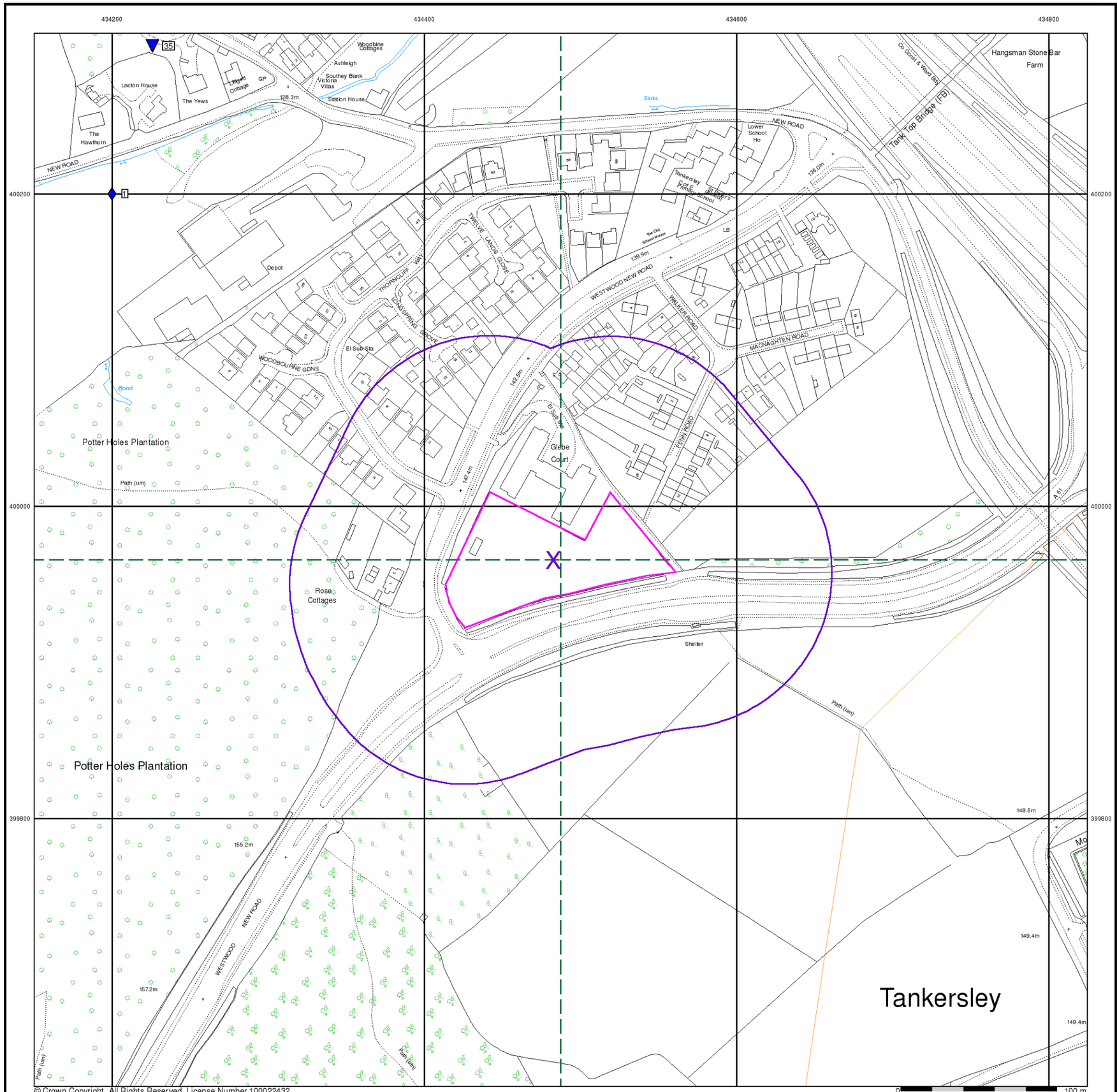
A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	**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
3	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	**Health and Safety Executive** Explosives Inspectorate, 1.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Telephone: 0151 951 3092 Fax: 0151 951 3891 Email: victoria.holloway@hse.gsi.go.uk Website: www.hse.gov.uk
5	**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
6	**The Coal Authority - Mining Report Service** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
7	**Sheffield City Council** Howden House, 1 Union Street, Sheffield, South Yorkshire, S1 2SH	Telephone: 0114 273 4215 Fax: 0114 273 5002 Website: www.sheffield.gov.uk
8	**Rotherham Metropolitan Borough Council** Bailey House, Rawmarsh Road, Rotherham, South Yorkshire, S60 1QT	Telephone: 01709 382121 Fax: 01709 823810 Website: www.rotherham.gov.uk
9	**Natural England** Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
-	**Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	**Landmark Information Group Limited** The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- 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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

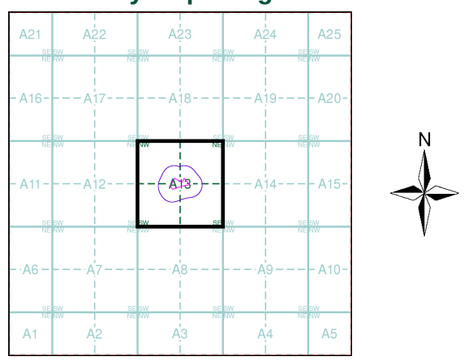
Waste

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

Hazardous Substances

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

Site Sensitivity Map - Segment A13



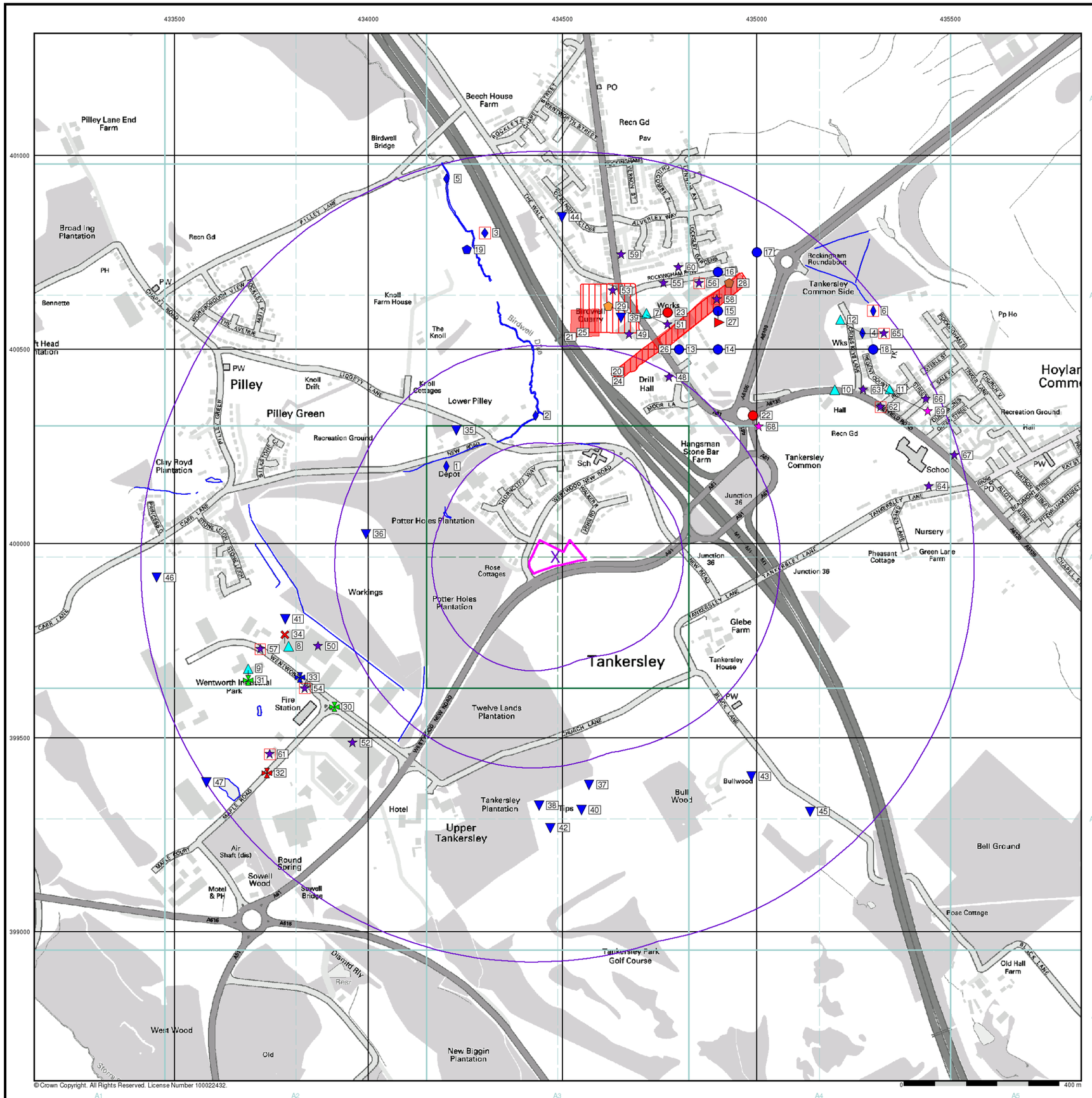
Order Details

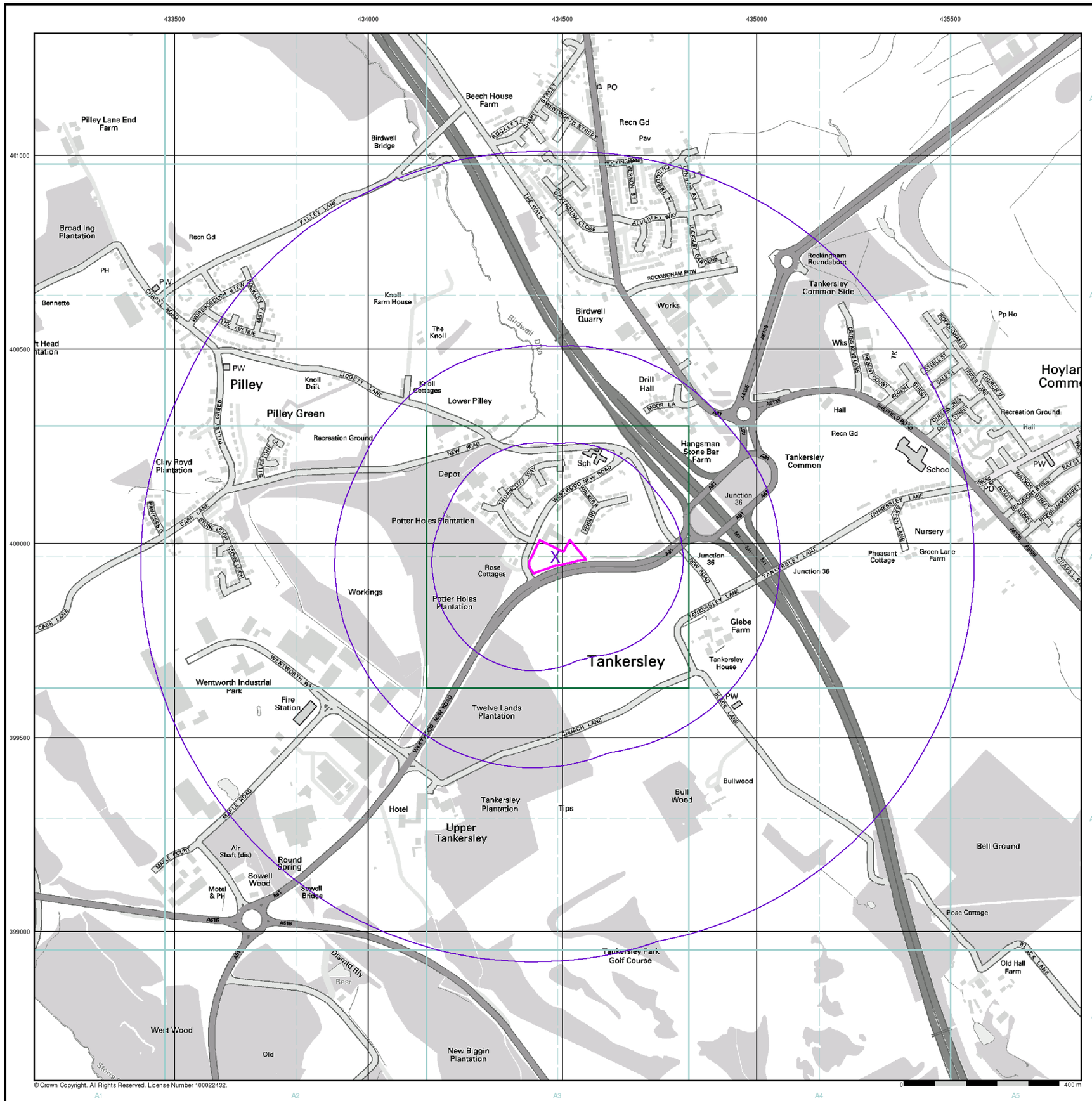
Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Plot Buffer (m):	100

Site Details

Site at 434490, 399990

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


433500
434000
434500
435000
435500
401000
400500
400000
399500
399000
A25
A20
A15
A10
A5
Pilley Lane End Farm
Broad Ing Plantation
Bennette
Pilley
Pilley Green
Knoll Farm House
The Knoll
Knoll Drift
Knoll Cottages
Lower Pilley
Clay Royd Plantation
Recreation Ground
Depot
Sch
Potter Holes Plantation
Rose Cottages
Workings
Wentworth Industrial Park
Fire Station
Birdwell Bridge
Beech House Farm
Birdwell Quarry
Works
Drill Hall
Hangsman Stone Bar Farm
Junction 36
Tankersley
Tankersley Common
Tankersley Common Side
Rockingham Roundabout
Hall
Schoo
Nursery
Pheasant Cottage
Green Lane Farm
Glebe Farm
Tankersley House
Twelve Lands Plantation
Tankersley Plantation
Hotel
Upper Tankersley
Bullwood
Bull Wood
Tips
Air Shaft (dis)
Round Spring
Sowell Wood
Sowell Bridge
Motel & PH
West Wood
Old
New Biggin Plantation
Tankersley Park Golf Course
Bell Ground
Fose Cottage
Old Hall Farm
Hoylan Comme
Pp Ho
Wks
Recn Gd
Pav
PO
PW
PH
Sch
Depot
Hall
Recreation Ground
Works
Wks
Pp Ho
Hoylan Comme
Schoo
PW
PO
Hall
Recreation Ground
Nursery
Tankersley
Tankersley Common
Tankersley Common Side
Rockingham Roundabout
Junction 36
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Hangsman Stone Bar Farm
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Tankersley
Tankersley Common
Tankersley Common Side
Rockingham Roundabout
Hall
Schoo
Nursery
Pheasant Cottage
Green Lane



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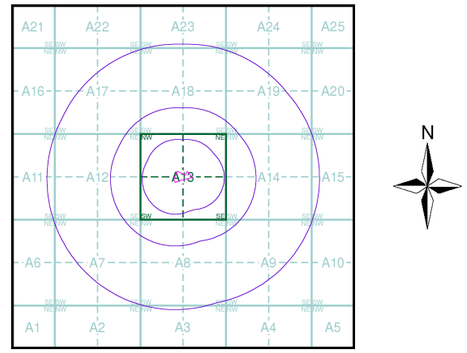
General

- 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



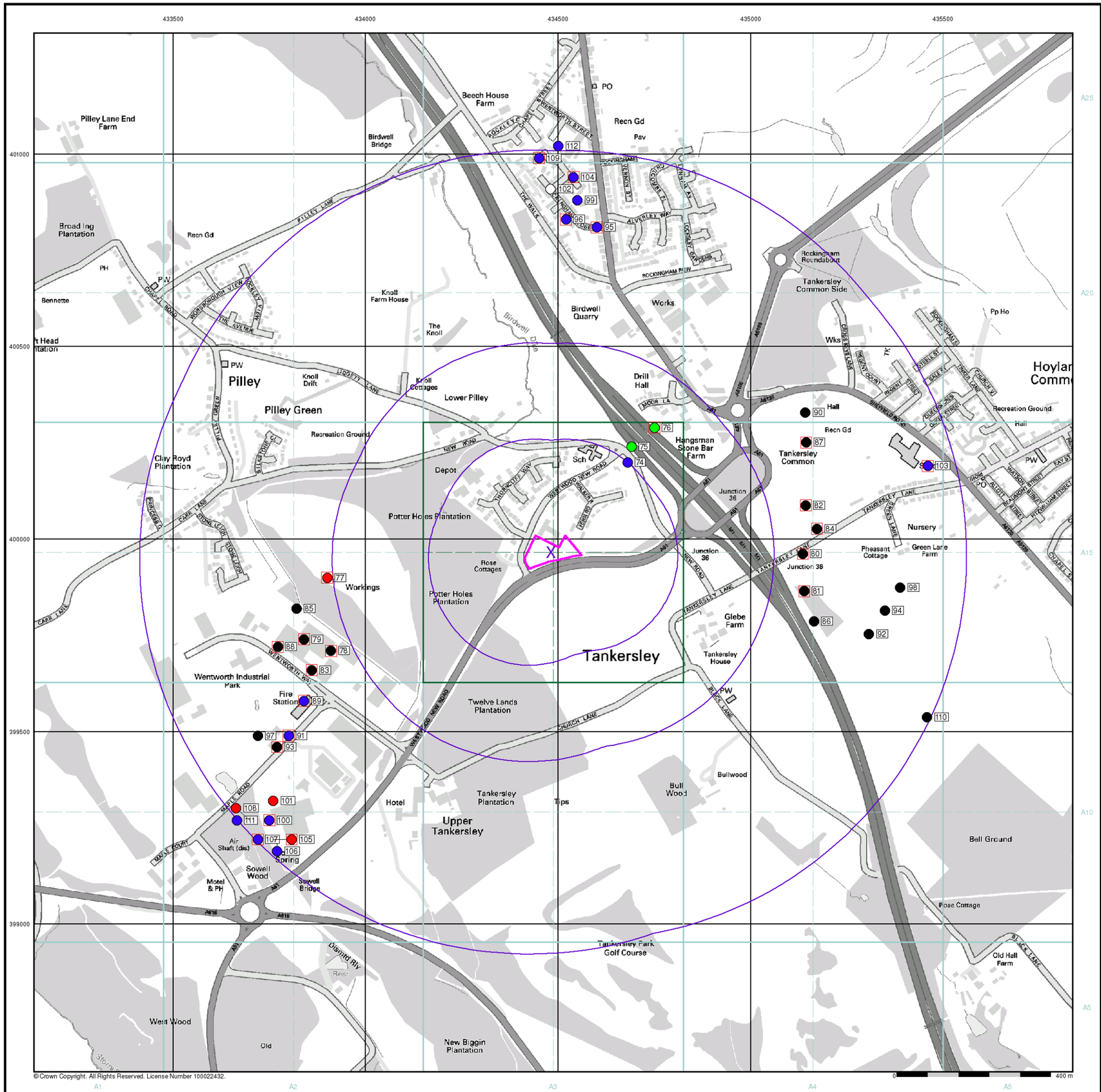
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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General

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

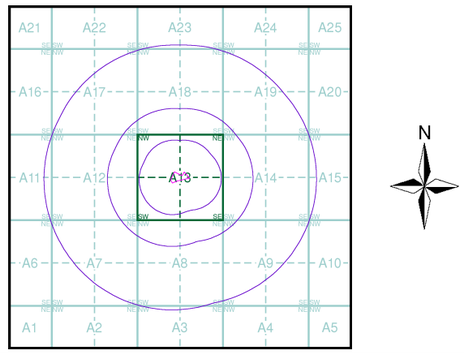
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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Web: www.envirocheck.co.uk

Geology 1:10,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Present Day - Present Day
	WGR	Worked Ground (Undivided)	Void	Present Day - Present Day
	WMGR	Infilled Ground	Artificial Deposit	Present Day - Present Day

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	HMR	Haigh Moor Rock	Sandstone	Duckmantian (Westphalian B) - Duckmantian (Westphalian B)
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Bolsovian (Westphalian C) - Duckmantian (Westphalian B)
	PMCM	Pennine Middle Coal Measures Formation	Sandstone	Bolsovian (Westphalian C) - Duckmantian (Westphalian B)
	BNR	Barnsley Rock	Sandstone	Duckmantian (Westphalian B) - Duckmantian (Westphalian B)
	KNR	Kent's Rock	Sandstone	Duckmantian (Westphalian B) - Duckmantian (Westphalian B)
	PLCM	Pennine Lower Coal Measures Formation	Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	PKR	Parkgate Rock	Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	SR	Silkstone Rock	Sandstone	Langsettian (Westphalian A) - Langsettian (Westphalian A)
	Rock			
	Fault			

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Geology 1:10,000 Maps

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

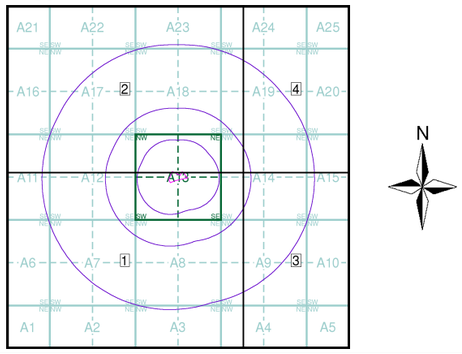
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

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

Geology 1:10,000 Maps Coverage

Map ID:	3	**Map ID:**	1
Map Name:	SK39NE	**Map Name:**	SK39NW
Map Date:	2005	**Map Date:**	2005
Bedrock Geology:	Available	**Bedrock Geology:**	Available
Superficial Geology:	Available	**Superficial Geology:**	Available
Artificial Geology:	Available	**Artificial Geology:**	Available
Faults:	Available	**Faults:**	Available
Landslip:	Available	**Landslip:**	Not Available
Rock Segments:	Available	**Rock Segments:**	Available
Map ID:	4	**Map ID:**	2
Map Name:	SE30SE	**Map Name:**	SE30SW
Map Date:	2005	**Map Date:**	2005
Bedrock Geology:	Available	**Bedrock Geology:**	Available
Superficial Geology:	Available	**Superficial Geology:**	Available
Artificial Geology:	Available	**Artificial Geology:**	Available
Faults:	Available	**Faults:**	Available
Landslip:	Available	**Landslip:**	Available
Rock Segments:	Available	**Rock Segments:**	Available

Geology 1:10,000 Maps - Slice A

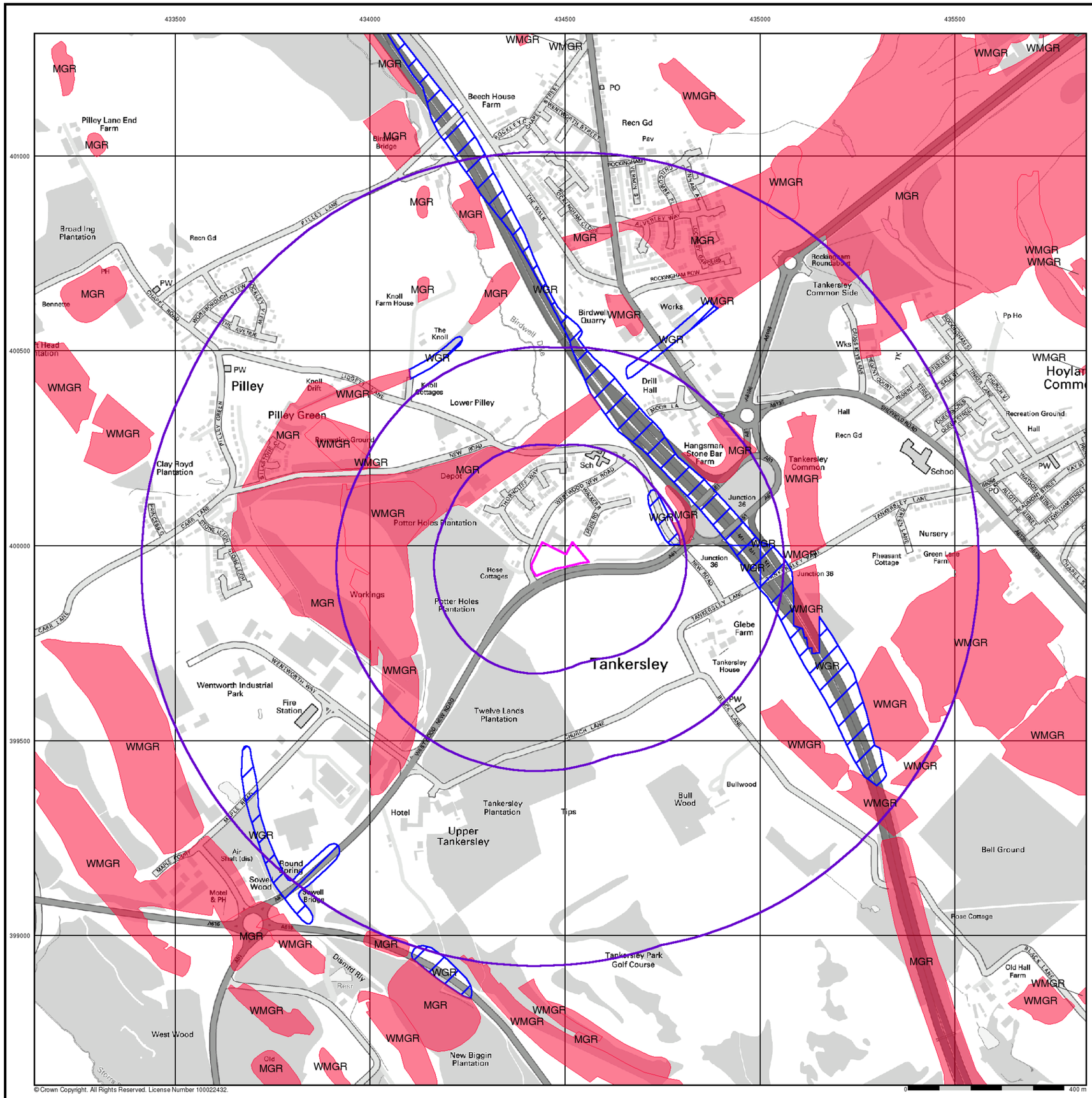


Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990



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Artificial Ground and Landslip

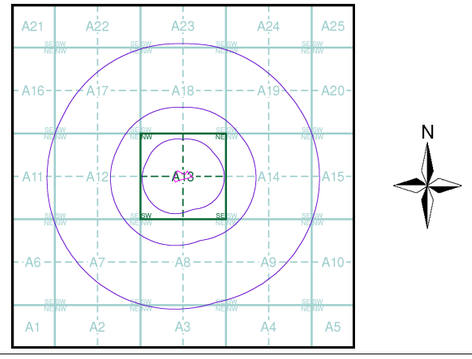
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



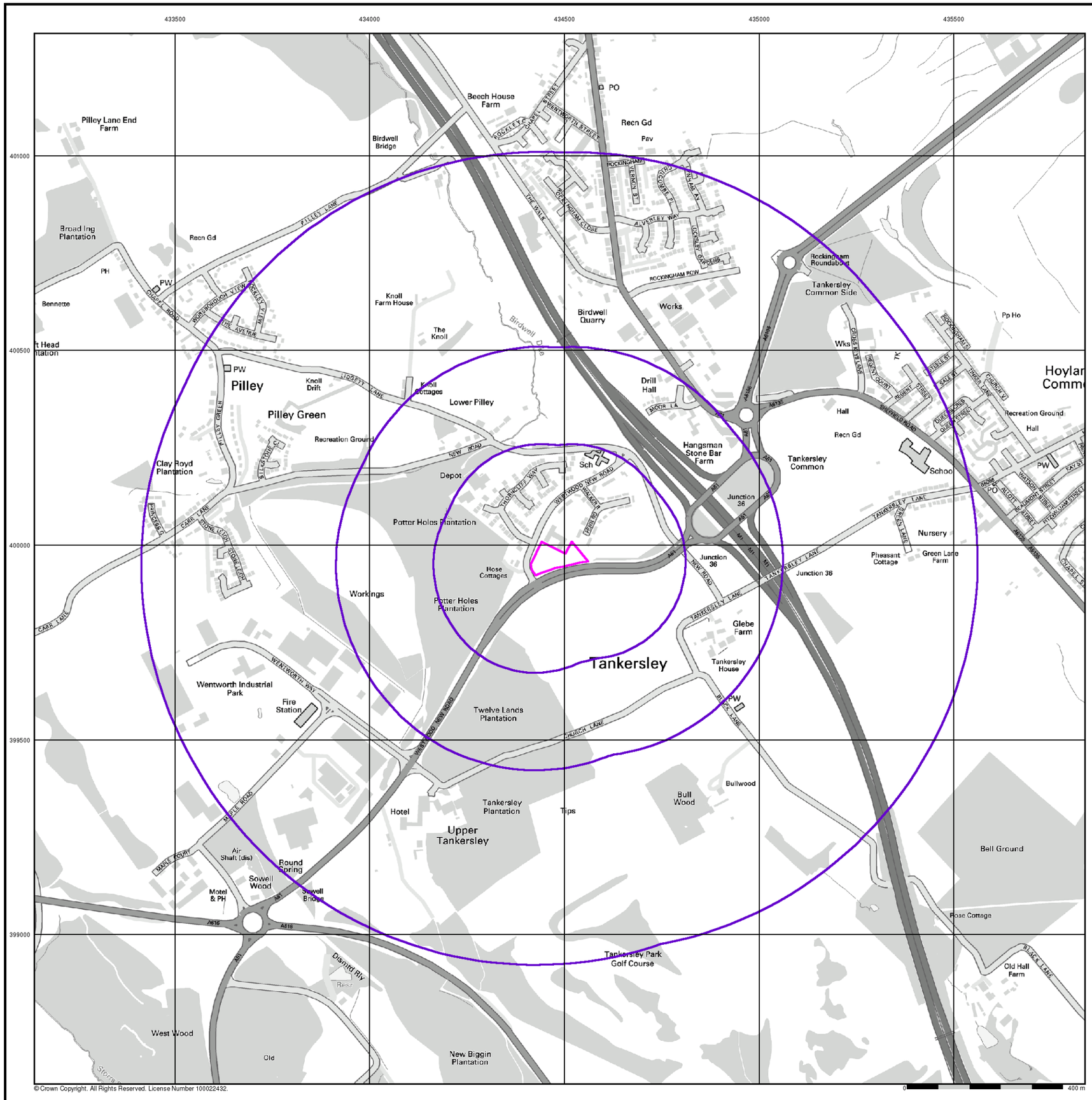
Order Details

Order Number:	37302555_1_1
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National Grid Reference:	434480, 399970
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Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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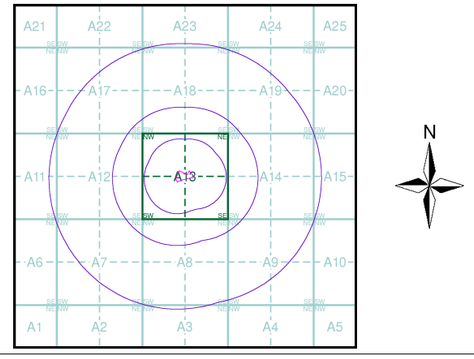
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



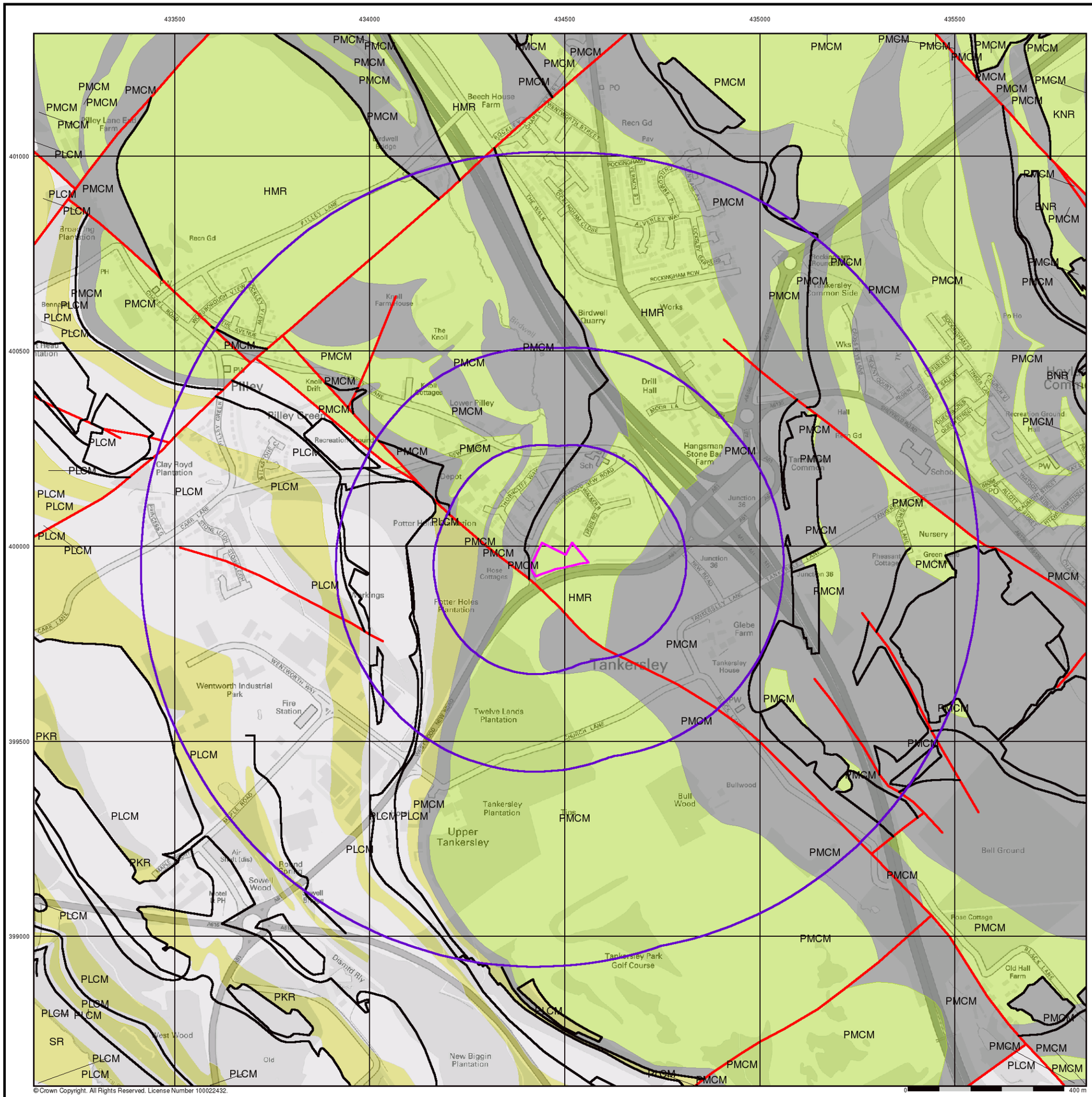
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Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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Bedrock and Faults

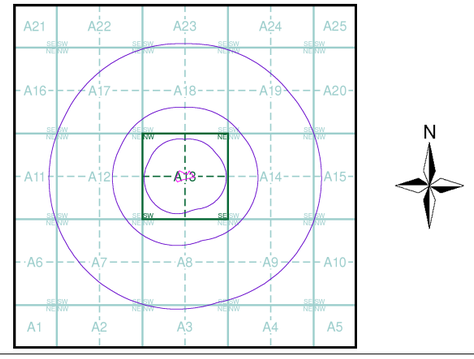
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



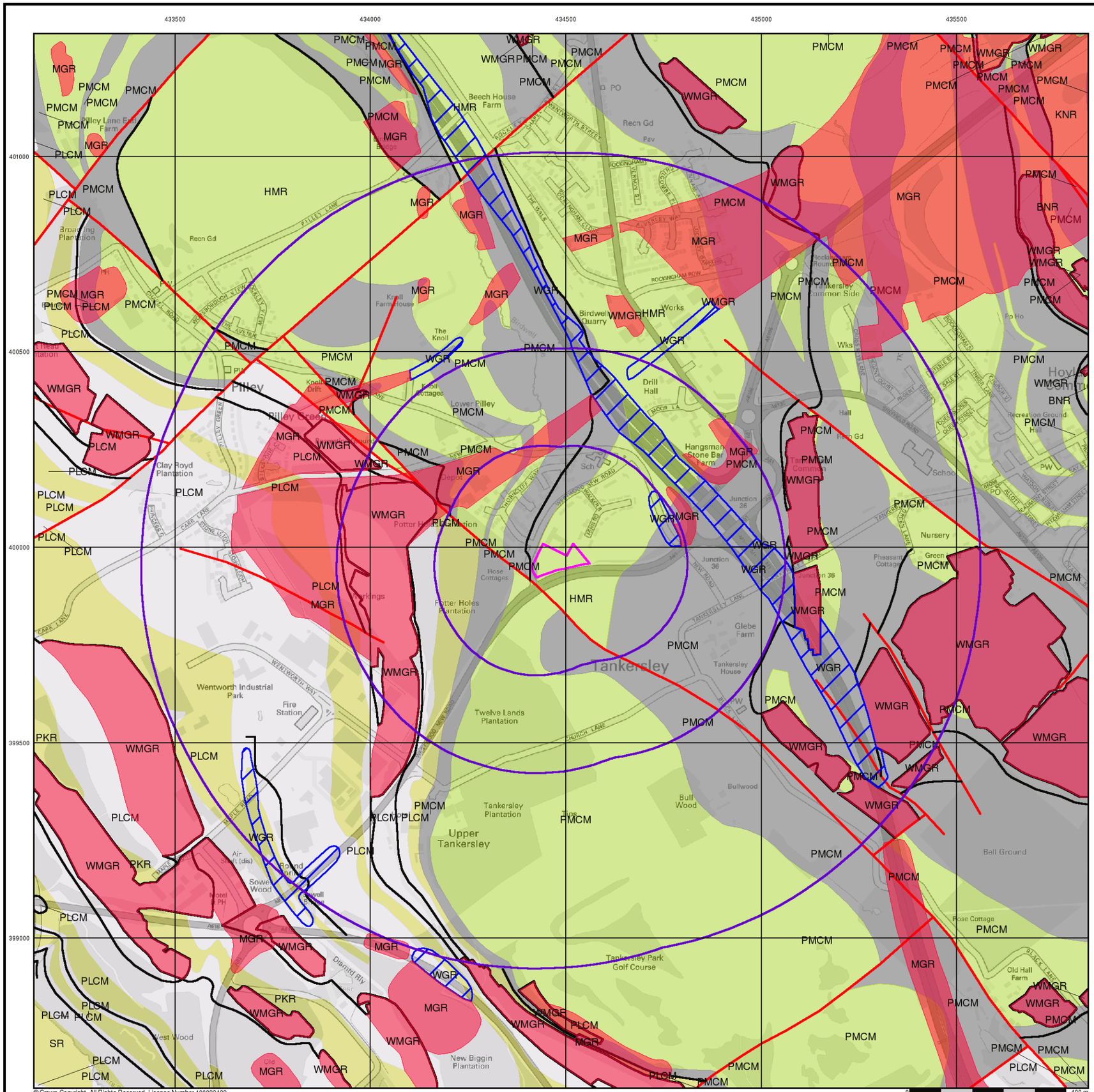
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

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Combined Surface Geology

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

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

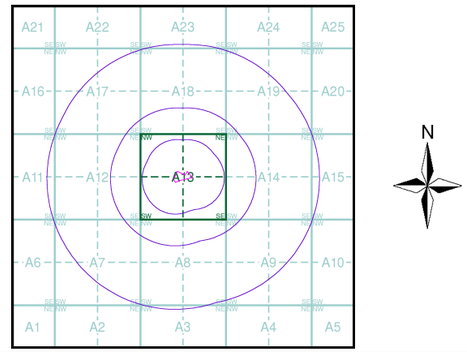
Additional Information

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

Contact

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

Combined Geology Map - Slice A

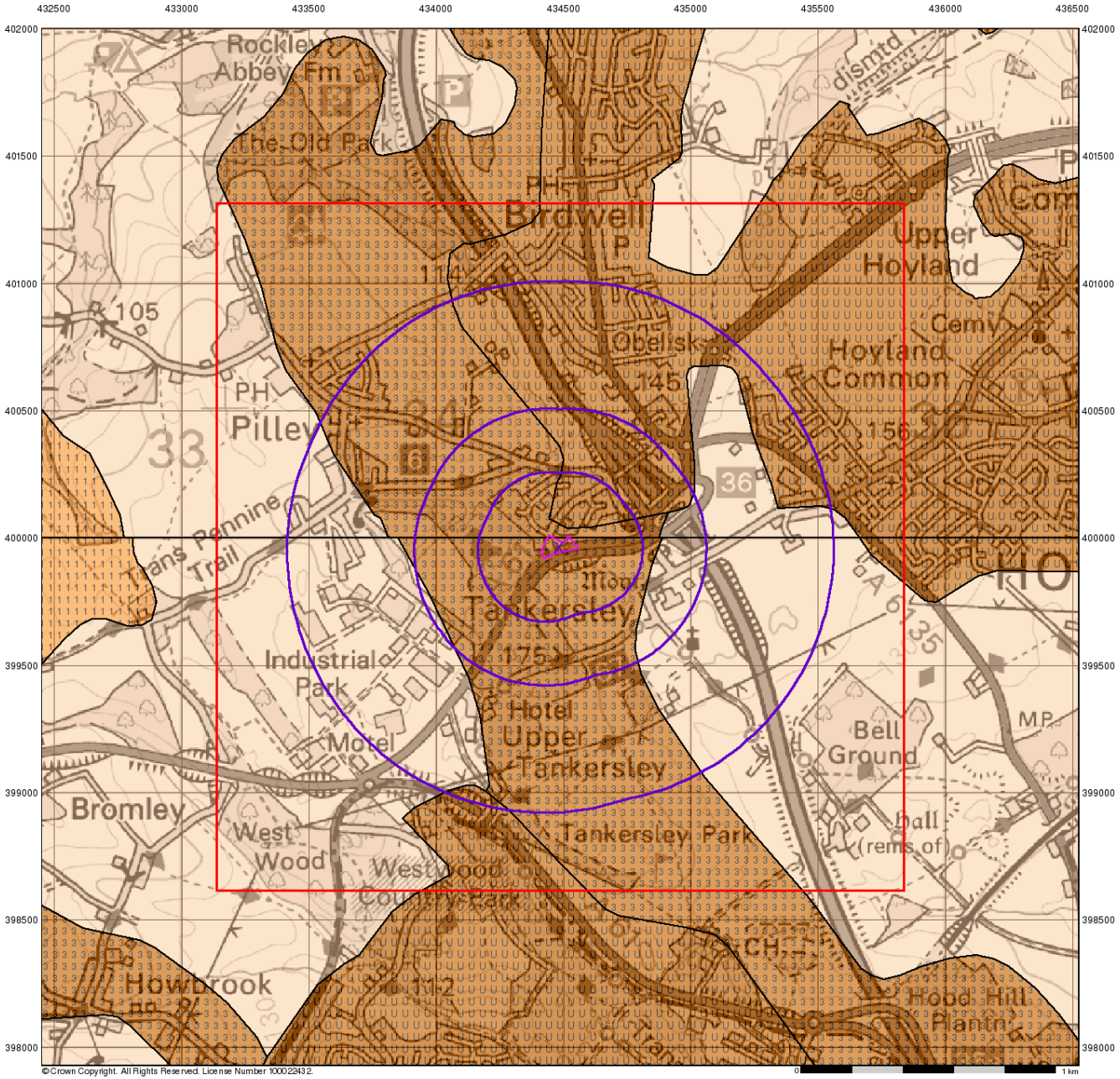


Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990



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Groundwater Vulnerability

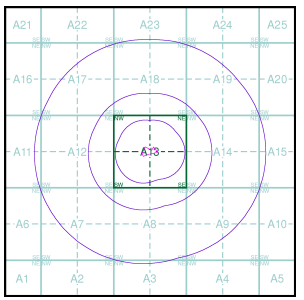
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



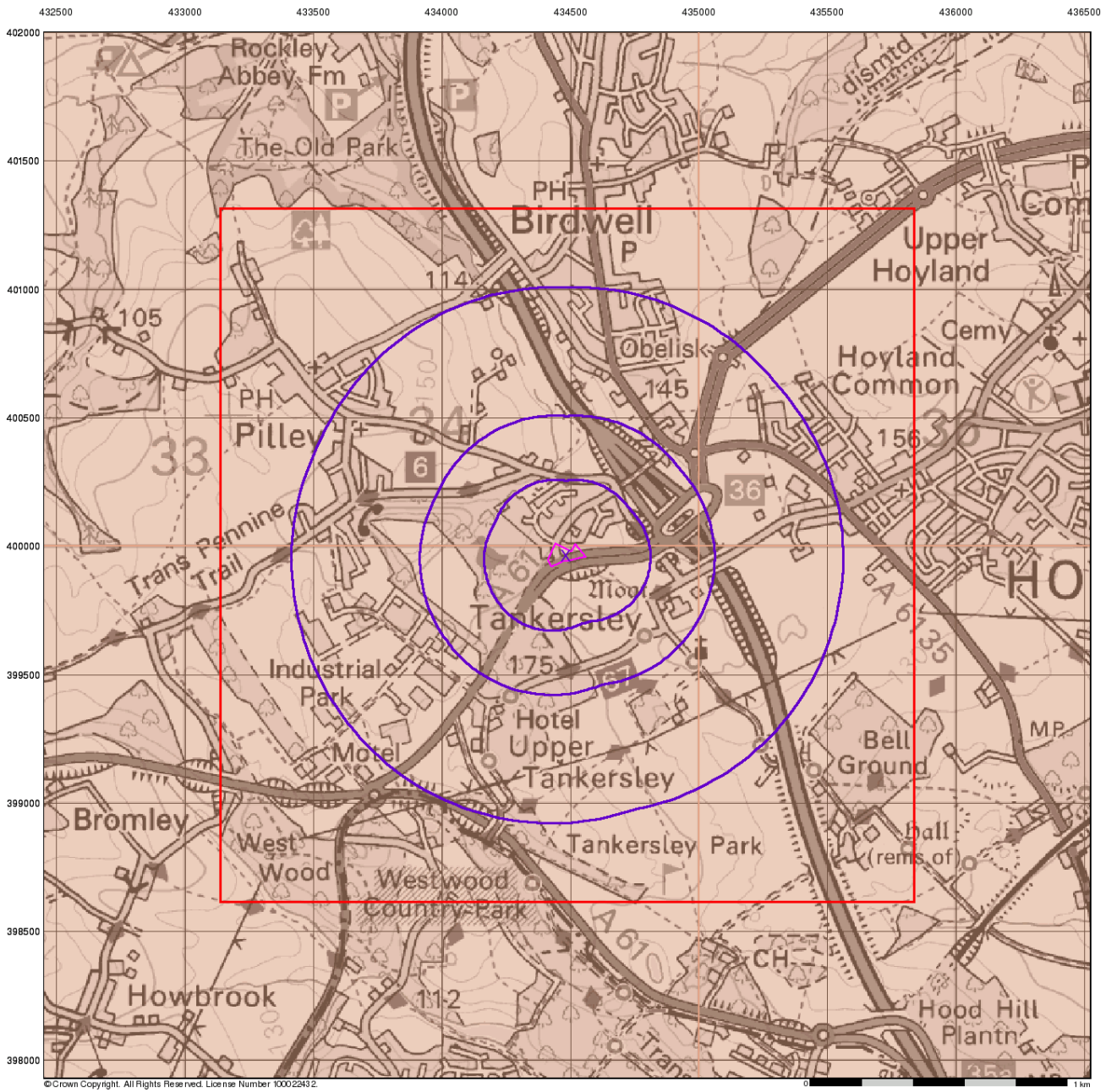
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
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Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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Bedrock Aquifer Designation

General

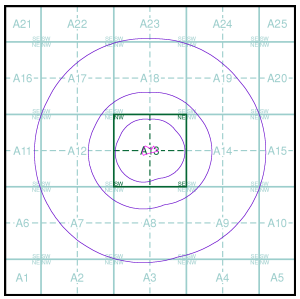
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



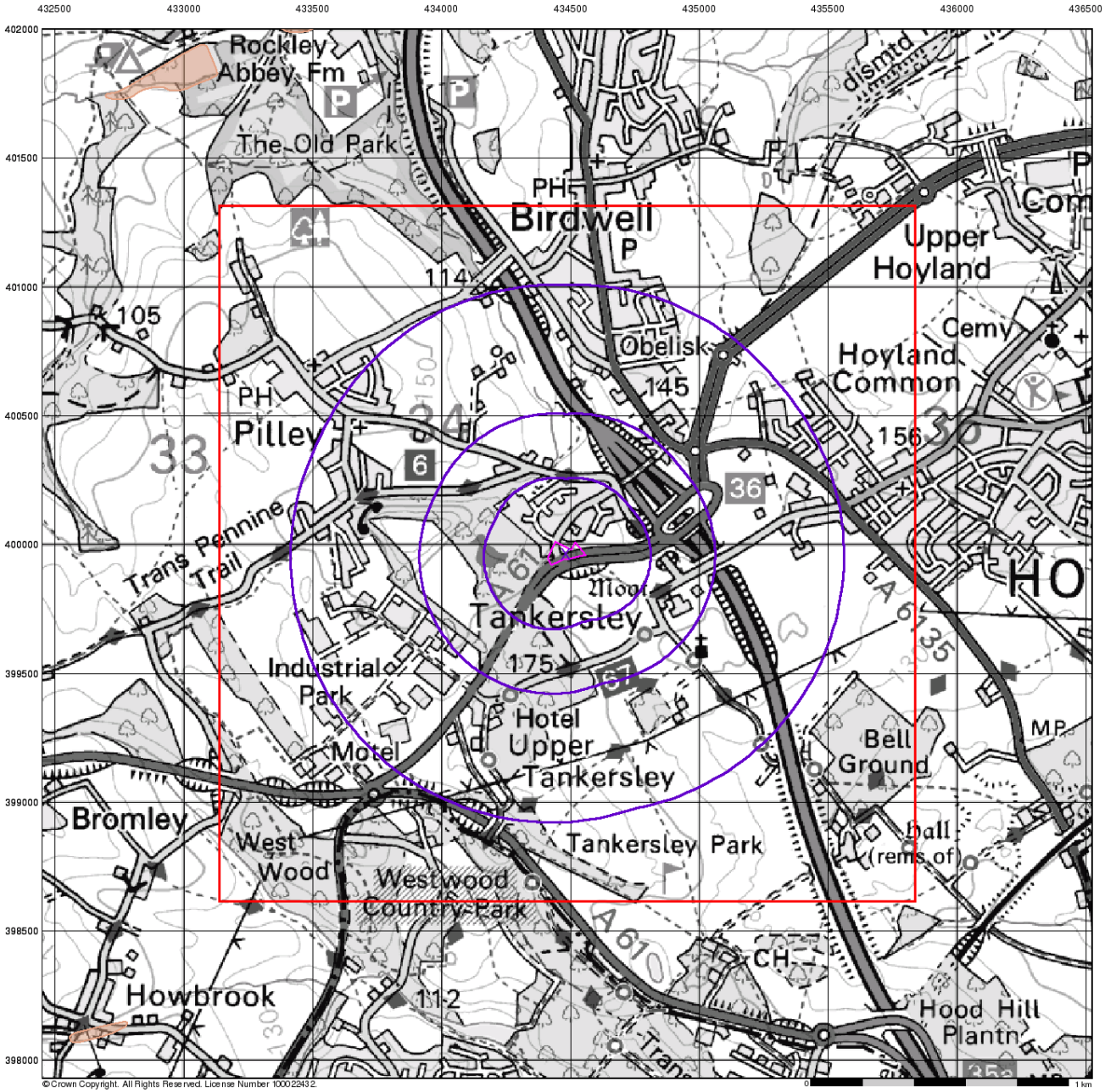
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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Web: www.envirocheck.co.uk



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Superficial Aquifer Designation

General

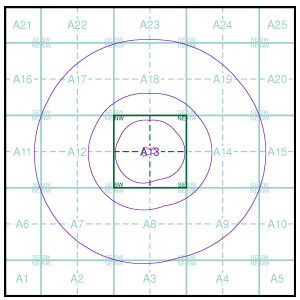
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



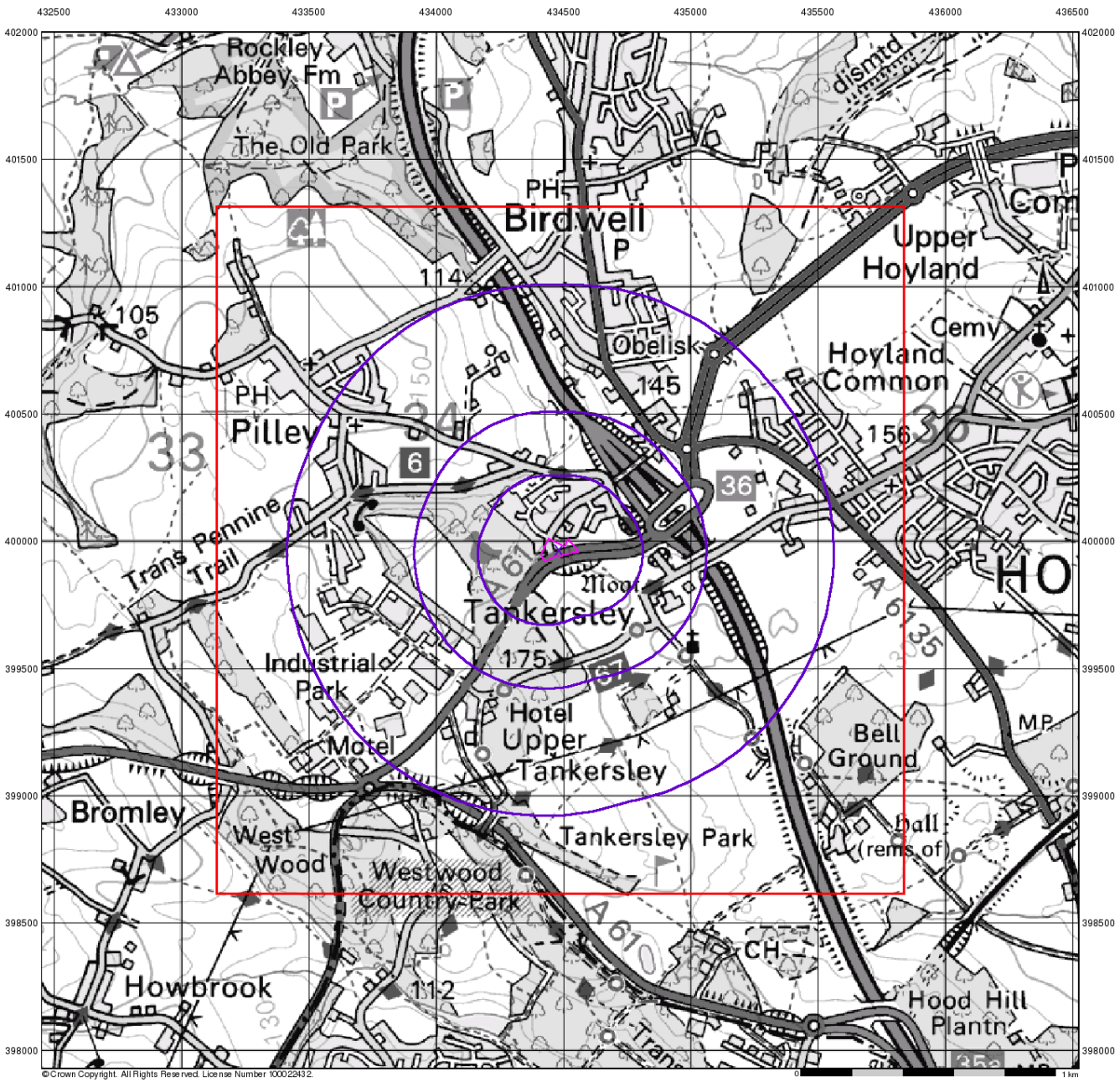
Order Details

Order Number:	37302555_1_1
Customer Ref:	CL1902
National Grid Reference:	434480, 399970
Slice:	A
Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

Site at 434490, 399990

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



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Source Protection Zones

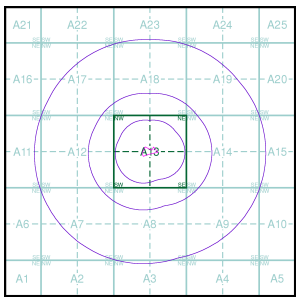
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



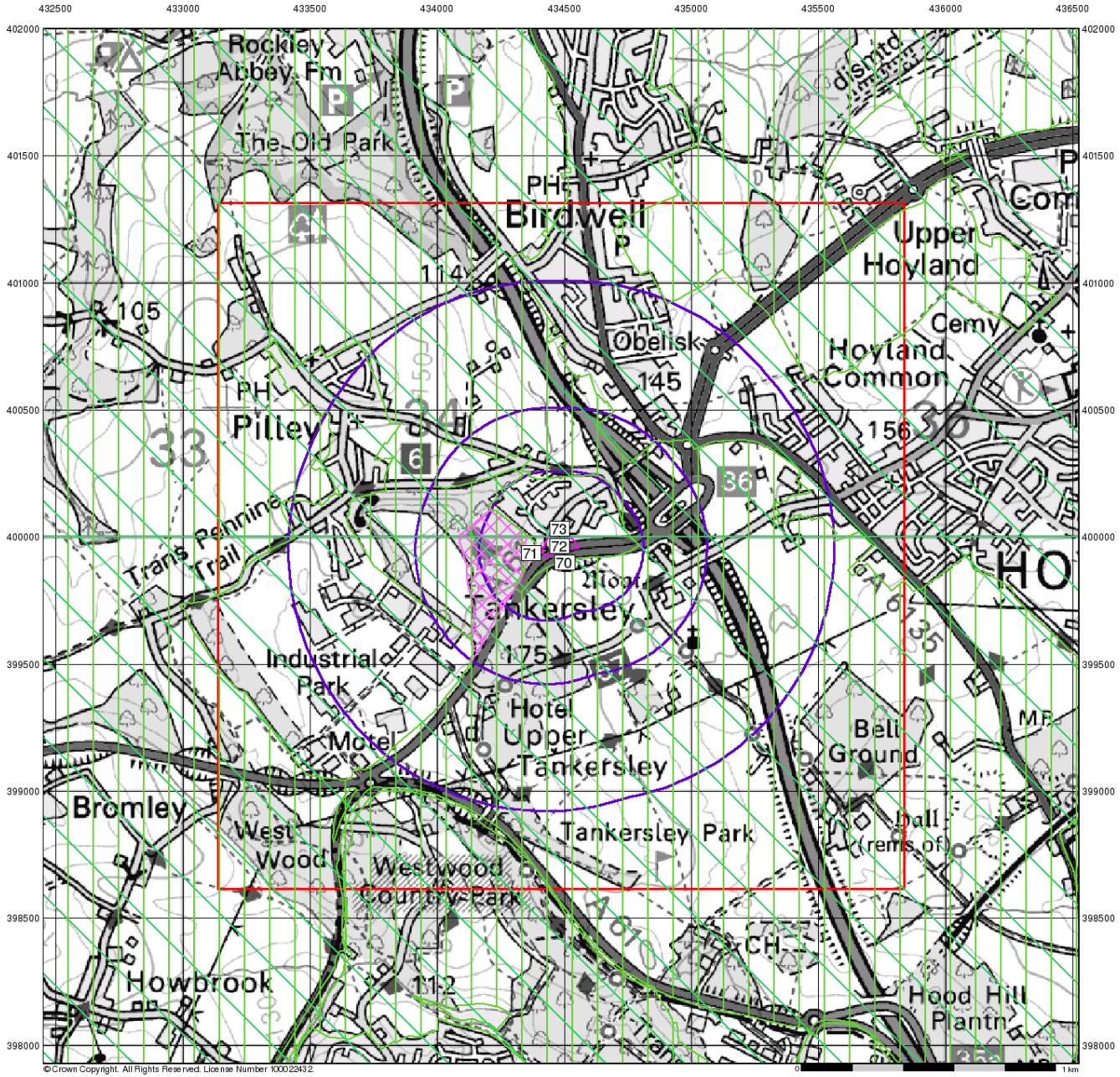
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Sensitive Land Uses

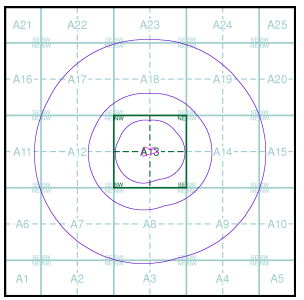
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

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Site Area (Ha):	0.68
Search Buffer (m):	1000

Site Details

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Landmark Information Group
Tel: 0844 844 9952
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APPENDIX C

COAL AUTHORITY REPORT

The Coal Authority

Issued by:
The Coal Authority, Mining Reports Office, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire NG18 4RG
ON-Line Service: www.groundstability.com - Phone: 0845 762 6848 - DX 716176 MANSFIELD 5

CUSTOMER SERVICES,
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ABBEY COURT UNIT 5/7,
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EXETER,
DEVON,
EX2 7HY

Person dealing with this matter:	**Darren Moody**
Our reference:	**00003664-12**
Your reference:	37302555
Electronic Ref:	EME_00017207430015_005
RRUID:	005.00017207430015
Date of your enquiry:	**19 January 2012**
Date we received your enquiry:	**19 January 2012**
Date of issue:	**23 January 2012**

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

Non-Residential Coal and Brine Report

Site At, Tankersley, South Yorkshire

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

Coal mining	Yes
Brine Compensation District	No

Information from the Coal Authority

Underground Coal Mining

Past

The property is in the likely zone of influence from workings in 8 seams of coal at 30m to 310m depth, and last worked in 1965.

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

In addition the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past.

Present

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

Future

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

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

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

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

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

Mine entries

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

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

Coal-mining geology

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

Opencast Coal Mining

Past

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

Present

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

Future

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

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

Coal-mining subsidence

The Coal Authority has not received a damage notice or claim for the property since 31 October 1994. There is no current Stop Notice delaying the start of remedial works or repairs to the property.

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

Mine gas

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

Hazards related to coal mining

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

Withdrawal of Support

The property is in an area for which notices of entitlement to withdraw support were published in 1946,1956,1946.

© The Coal Authority

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

Working Facilities Orders

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

Payments to Owners of Former Copyhold Land

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

Comments on Coal Authority information

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

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

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

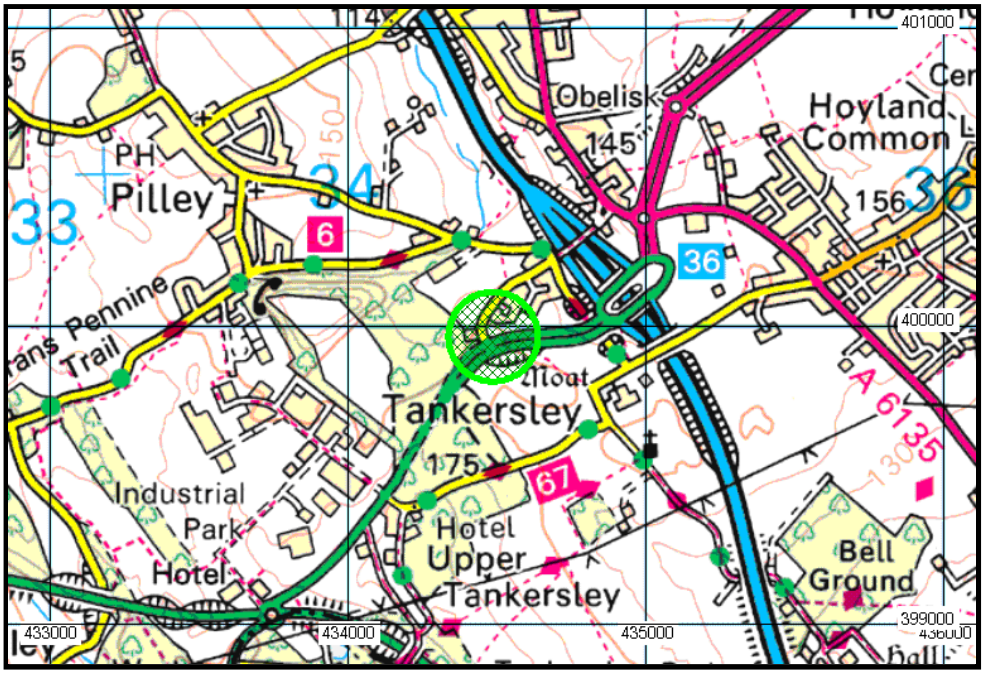
Additional remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006.

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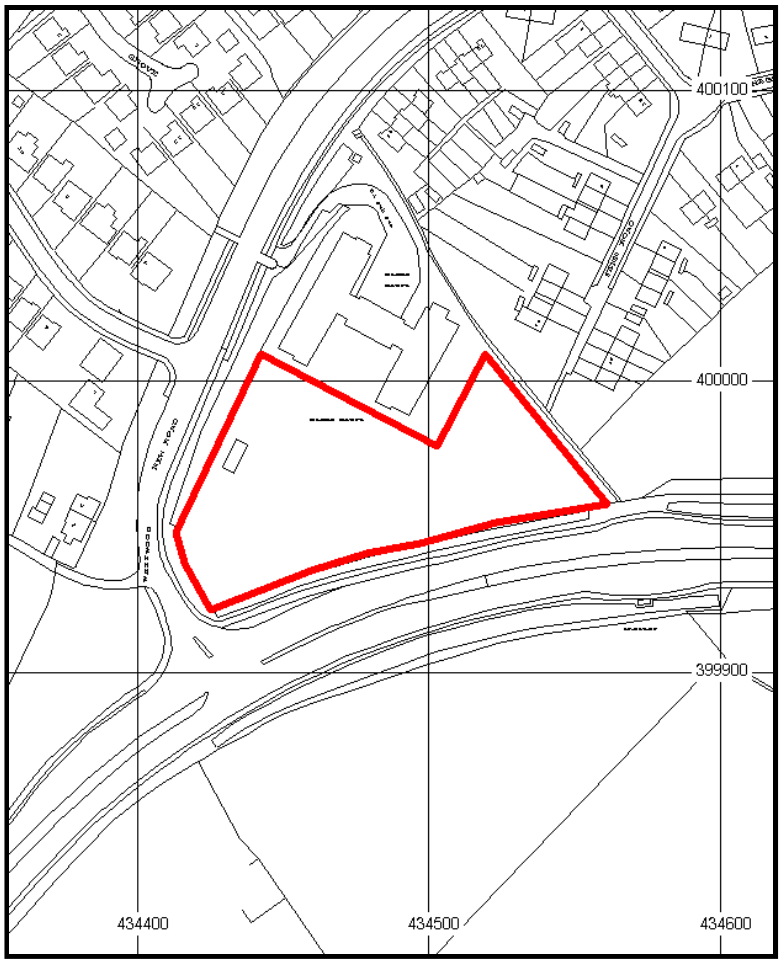
Location map

Approximate position of property



Enquiry boundary

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Key

Approximate position of enquiry boundary shown

Mapping sourced from Ordnance Survey®

APPENDIX D

SITE RECONNAISSANCE PHOTOGRAPHS

	**Photograph 1 (facing north-east):** Remains of the possible stable building where horses were kept. The concrete slab for stable is still present. Hardstanding area surrounding demolished stable is also still present.
	**Photograph 2 (facing west):** One of two entrances into the site. This entrance is situated on the western boundary. Westwood New Road is present in the background of image.
	**Photograph 3 (facing north-west):** The land falls in a north-easterly direction. Glebe Court is present in the right hand corner of image. The site is presently overgrown with vegetation.

Bury Business Centre
Kay Street, Bury BL9 6BU

Tel: 0161 763 7200
Fax: 0161 763 7318

The Corn Exchange, Fenwick Street
Liverpool L2 7QL

Tel: 0151 235 8716

Unit 121, Wright Business Centre
1 Longmay Road, Glasgow G33 4EL

Tel: 0141 773 6269

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