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LAND OFF TOLLGATE CLOSE,

SHAFTON, BARNSELEY

PHASE 1 (DESK STUDY) REPORT

Prepared by

SILKSTONE ENVIRONMENTAL LTD.

On behalf of

Mr.P. Dennis.

June 2010

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EXECUTIVE SUMMARY

The site comprises approximately 0.08 hectare (ha) of land off Tollgate Close, Shafton, Barnsley (NGR439650E 410590N).

The site is currently in use for vehicle body repairs, and until recently was used as a petrol station (vehicle fuel retail site).

Historically, the site was first recorded in 1854 as open land, probably in agricultural use. By 1938, the land was enclosed and developed, and the site configuration became similar to the present profile. It is therefore possible that a garage was situated at the site by this time. By 1962, the current configuration is clearly shown and by 1977 the label 'Garage' is shown. There are no further changes.

The site is underlain by Middle Coal Measures rocks of the Upper Carboniferous, comprising mainly mudstones with subsidiary sandstones, siltstones, and coal seams. This material is normally capable of providing adequate bearing capacity for lightly loaded foundations for low rise buildings. Further investigation is recommended to confirm this aspect.

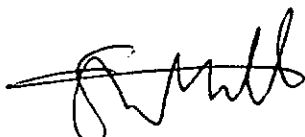
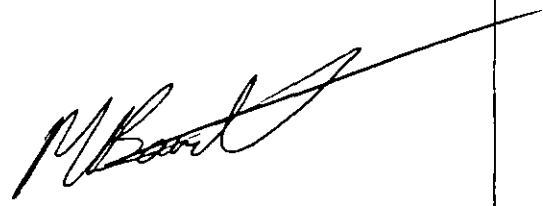
Coal seams are shown to outcrop in the area, however the Coal Authority report for the site indicates that there are no recorded mine workings likely to affect the site. There are known to be unrecorded mine workings in the area however, and further investigation, which may include drilling, are recommended to check there are no mine workings beneath the site. Such workings may cause subsidence damage to future development, and may cause mine gas to be present on the site.

It is understood that the current owners intend to redevelop the site for residential use. Due to the presence of the landfill site and the previous use of the site as a petroleum retail site (and the suspected remaining fuel tanks from this use), it is recommended that a Phase 2 investigation be conducted. The purpose of this would be to assess the risks resulting from possible gas migration from the landfill site, and also from possible contaminants in the ground material resulting from petroleum storage and retail. The Phase 2 would also provide recommendations for any remedial or protective work which may prove necessary.

The site is not in an area subject to flooding or requiring flood defences.

Once any development of the site commences, ongoing monitoring of any sub-surface materials exposed should take place. Should any unusual, oily, brightly coloured or odorous material, or unexpected tanks and containers, be encountered, then the advice of a suitably qualified specialist should be sought.

Report completed June 2010.

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References:

A. Development on Land Affected by Contamination: Technical Guidance for Developers, Landowners and Consultants. Yorkshire and Humberside Pollution Advisory Council (2009).

1 INTRODUCTION

1.1 Brief

Silkstone Environmental Ltd. (SEL) has carried out this investigation on the instructions of Mr. Michael Clynych, acting on behalf of Mr. P. Dennis. The stated purpose of the work was to carry out a Phase 1 Desk Study, to assess the potential for contamination at the site pending redevelopment.

1.2 Outline of Report

In Section 2 the report includes a site description and review of the readily available information relating to the site (historical maps, environmental database search, geology and hydrogeology). Section 3 comprises an appraisal of environmental aspects in an initial environmental risk assessment and initial conceptual model. Finally there are recommendations on the requirement for further investigation, including intrusive ground investigation work.

Appendices comprise an Envirocheck Report (including Historic Maps) at Appendix 1, a Coal Authority Report at Appendix 2, and a selection of photographic records at Appendix 3.

1.3 Legislative and Regulatory Context

If land proposed to be developed is suspected to be contaminated either historically or by its current use, an investigation will be requested by the Local Authority under the Town and Country Planning Act (1990) and Planning Policy Statement 23 to determine the level of risk and if remediation is necessary. Under this regime investigations are carried out to determine if the current condition of the site is suitable for its proposed use.

1.4 Guidance and Information Sources Used Within This Report

This report has been produced in line with relevant guidance and best practice. The ground investigation has been carried out in general accordance with the recommendations of BS5930: 1999 Code of Practice for Site Investigations and BS10175 Investigation of Potentially Contaminated Sites: Code of Practice (2001).

2 PHASE 1 (DESK STUDY)

2.1 Objectives of Phase 1 (Desk Study) Investigation

The objectives of the Phase 1 Investigation are as follows:

- To provide information on historic and current uses of the site and surrounding area.
- To identify any potentially contaminating uses of the site and potential sources of contamination.
- To identify any potential receptors (humans, controlled waters, buildings, ecological and plants), and likely pathways for contamination to reach these receptors.
- To review the geology, hydrogeology and hydrology of the site to aid in development of the conceptual site model and to identify any constraints to any potential intrusive works which may be necessary.
- To characterise the site and produce a conceptual site model to determine if there are any potential pollutant linkages.

2.2 Site Location

The site comprises some 0.08 hectares of currently disused land off Tollgate Close, Shafton, Barnsley. The site is located in the village of Shafton Two Gates, which lies approximately 6 kilometres (km) north east of Barnsley town centre (National Grid Ref. 439650E 410590N).

The site location is indicated on the Site Location Plan included in Appendix 1.

2.3 Historical Land-Use

Information relating to historical land use of the site and surrounding area was gained from historical maps contained within the Envirocheck Report (Appendix 3). The information has been summarised within Table 1 below, including dates and scales of the significant maps referred to (all of the maps are appended). It is important to note that the date referred to indicates the date the feature appears on the map and not necessarily the date the actual feature was present.

Table 1: Historical Land Uses Of The Site And Surrounding Area

Date (Scale)	Land use on the site	Potentially significant surrounding land use
1854 (1:10,560)	Probably agricultural.	The area is agricultural in nature. The only buildings at Shafton Two Gates are associated with Two Gates Farm. There is a quarry marked 'bind hole' to the west of the crossroads (see section 2.5.2. for discussion).
1893 (1: 2,500)	Probably agricultural. A very small structure is shown at the western corner of the site but it is not clear what this is.	Site is bounded by two roads (to the north and west) and by allotment gardens to the south. The area is agricultural in nature and Shafton (and Shafton two gates) is a small village. There is a brick yard shown to the west of the site and the cross roads.
1906 (1: 2,500)	As above.	As above, although a railway is now shown 200m east of the site.
1919 (1: 2,500)	As above.	There are additional housing developments shown around the village.
1938 (1:10,560)	The site boundary as currently configured has been defined, and there is a building on site.	As above.
1962 (1:2,500)	The current configuration of buildings is now shown, comprising a building on site and two buildings adjacent. It is labelled however the label is indistinct.	Further development is shown in the area.
1975 (1:2,500)	As above.	As above.
1977 (1:1,250)	As above, the building on site is now labelled 'Garage'.	As above.
1985 (1:1,250)	As above.	As above.
2006 (1:10,000)	As above.	A bypass has been built to the south of the site and around Shafton Two Gates.
2010 (1:10,000)	As above.	As above.

Note: Some maps showing no significant changes or no data in the area of interest have been excluded from the table above. All maps are included at Appendix 1.

In summary, the site is first recorded in 1854 as open land, probably in agricultural use. By 1938, the land has been enclosed and the site configuration looks similar to the present profile, and it is therefore possible that a garage is situated at the site. This accords with the general development of housing in and around Shafton Two Gates. By 1962, the current configuration is clearly shown and by 1977 the label 'Garage' is shown. There are no further changes.

2.4 Site Description

A site walkover was undertaken on Friday 18th June 2010.

The site comprises a roughly rectangular area approximately 40 metres (m) by 20 m covering an area of approximately 0.08 hectares. (See Photographs at Appendix 3). The site appears to lie approximately at natural ground level, when compared to fields and allotment gardens which lie to the south and east of the site. The land surface in the area slopes gently from north to south towards a watercourse which is a tributary of the River Dearne. The site is currently flat.

The site is bounded by Brierley Road to the north, Tollgate Close to the west, an unsurfaced track to the south and a private property which was once part of the site (anecdotal information) to the east.

The general area is characterised by a mixture of residential and small retail (including a public house). There are allotments and an open field to the south.

2.4.1 Current Site Use and Condition

A selection of site photographs are attached at Appendix 3. The site is currently partly used for body repairs to accident damaged vehicles. There are two infilled and concrete capped inspection pits in the garage area. The remainder of the site is mostly hard surfaced, with the exception of two small grassed areas bordered by low walls which form the site boundaries. The hard surfacing is a mixture of tarmac and concrete, and the configuration of these hard surfaces together with anecdotal information indicates two areas where disused fuel tanks are located. Outside the site

to the north-west, there are grassed areas understood to be maintained by the local council.

There is no evidence of any of the grassed areas being affected by contamination.

2.4.2 Buildings and Structure

There is a single building at the site which comprises an older central building with a more recent cinder block extension. Within the main building there is an office area and a garage area. The office area is currently disused, whilst the garage area is used for the body repairs.

2.4.3 Access and Boundaries

Vehicular access to the site is from Brierley Road via a hard surfaced 4 metre wide entrance. There is an alternative entrance from Tollgate Close.

2.4.3 Visual and Olfactory signs of contamination

On the day of the site inspection, there were neither visual nor olfactory signs of contamination within or in the immediate vicinity of the site.

2.5 Geology, Hydrogeology & Hydrology

2.5.1 Geology

Information relating to the geology of the site has been gained from various sources and has been summarised in Table 2.

Table 2: Geological summary

Maps / Publications Referenced	The Geological Survey Map of Great Britain, Sheet 87 Barnsley, Solid and Drift, 1:50,000 scale. Coal Authority Mines Records. Sections of Strata of the Coal Measures of Yorkshire. The Midland Institute of Mining Engineers.
Drift Geology	No significant thicknesses of unconsolidated deposits occur within or in the vicinity of the site.
Made Ground	There is likely to be some made ground on the site (i.e. in the area of the inspection pits) however the thickness of made ground is unlikely to be significant.
Solid Geology	Middle Coal Measures of the Upper Carboniferous, comprising mainly mudstones with subsidiary siltstones, sandstones and coal seams. The site is shown to be directly underlain by undifferentiated measures of mainly mudstones within the sequence between the sandstones of the Ackworth Rock and the Mexborough Rock. This sequence includes the Shafton Coal Seam.
Dip of Solid Strata	Indeterminate from the 1:50000 geological map, but the regional structural dip in the area is towards the north-east at a low-moderate angle.
Faults	The nearest faults indicated are proven faults 100m north and south of the site, Assessed as unlikely to affect the site.
Ground Stability	No unstable ground indicated.
Coal Seams	G.S 1:50,000 Sheet indicates the site to be underlain at shallow depth by the Shafton coal seam. This coal seam is recorded as being 6 feet (approximately 2m) thick at the nearby Grimethorpe Colliery, and was also recorded as an opencast prospect at the Shafton Two Gates Opencast Prospect Site which lies less than 100m to the south of the site. It is likely that this seam lies beneath the site at shallow depth. A detailed Coal Authority report for the site has been obtained and is included in Appendix 2.

2.5.2 Engineering Geology

The mudstones, siltstones and sandstones of the Middle Coal Measures are normally capable of providing adequate shallow foundation bearing capacity for low rise development. The Coal Authority Mining Report records the shallowest underground recorded coal workings occur at 360m beneath the site, and concludes that any ground movement resulting from these workings will have ceased. The report states

the site is not within the likely zone of influence of any present underground mining, and is not judged as likely to be affected by any such future proposals.

Despite the conclusions of the Coal Authority Report, there remains the possibility that the Shafton seam, as a shallow seam approximately 2m thick, may have been worked in the area prior to the introduction of legislation requiring the deposition of mine plans. The seam is shown on both the 1:50,000 Geological Survey map, and is also referred to in the Geological Survey memoir 'Geology of the Country around Barnsley', in which publication the following statements are made:

- 'To the south-east of the Shafton fault the Shafton Coal crops just west of Shafton Two Gates and thence its course can be followed southwards towards Cudworth'
- 'There are many old disused pits to the Shafton Coal around Shafton Two Gates, ranging from 30 to 300 ft. in depth'.

Evidence of workings in the area is also apparent on the 1854 and 1893 Historic Maps. There is a quarry shown immediately west of the Shafton Two Gates crossroads, approximately 100m south west of the site. The quarry is marked in 1854 as an 'old quarry – sandstone' but also as 'bind hole'. The sandstone would be the Mexborough Rock which was commonly quarried for building stone in the area, but references to 'bind' usually refer to clay or shale and this may be related to the presence of a brick yard immediately to the west of the quarry. In either case, the Shafton Coal would have been encountered close to surface and it is assessed as unlikely that the coal would have not been worked at this location. Further, it is possible therefore that any exploitation of the coal at this locality could have included local adits into the seam to the east, and under the Tollgate Close site.

The presence of old open workings at shallow depth beneath the site may lead to subsidence and resulting damage to properties and in extreme cases can lead to collapse holes (crown holes) appearing at the surface. Further, shallow workings may emit mine gas at surface which is hazardous to human health particularly if it accumulates in buildings.

It is therefore recommended that, as part of any Phase 2 investigation, mine plans for the Shafton Seam (Grimethorpe Colliery) and Shafton Two Gates Opencast prospect

drilling records are obtained from The Coal Authority, in order to assess the risk of shallow unrecorded mining having taken place at or near the site. Should the risk be assessed as significant, it may be necessary to drill exploratory holes to investigate the condition of the seam.

The risk of mine gas would be dealt with at the same time as the landfill gas references elsewhere in this report, through monitoring of borehole installations recommended as part of the Phase 2 works.

There are no records to indicate that the site has been affected by any previous opencast mining activity.

There are no other significant engineering geological hazards indicated in this area.

2.5.3 Hydrogeology

The Environment Agency's Groundwater Vulnerability Map shows the site to lie on a minor aquifer (variably permeable). These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although these aquifers will seldom produce large quantities of water for abstraction, they are important both for local supplies and in supplying base flow to rivers.

The site is not within a source protection zone and there are no 'source protection zone' boreholes shown within 2000m of the site.

The soils directly beneath the site have been classed as having high leaching potential (U), these being soils that can readily transmit non-absorbed pollutants and liquid discharges.

2.5.4 Hydrology

The property is not in an area subject to flooding or requiring flood defences. The nearest current water abstraction entry is located 603m from the site at NGR 438800E/400300N. At this distance, it is unlikely that any normal activity at the site could have a measurable impact at the abstraction site.

2.6 Coal Mining History

A Coal and Brine report has been obtained from the Coal Authority and is included in this report as Appendix 2. The main points stated in the Coal Authority Report are:

Underground Coal Mining:

The site is within the likely zone of influence from workings in 7 seams of coal at 360m to 820m depth, last worked in 1992.

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

The site is not in the likely zone of influence of any present or future (applications or granted licences) underground coal workings.

Mine Entries:

There are no mine entries indicated within, or within 20m of, the site boundary. However records in this respect may be incomplete and there may exist in the local area mine entries of which the Coal Authority has no knowledge.

Mine Gas:

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

Coal-Mining Geology:

- At the surface, there are no known faults or other lines of weakness due to coal mining that have made the site unstable.

Opencast Coal Mining:

- The property is not in an area affected by past, present or future (application or licence granted) coal removal by opencast methods.

There are no other relevant entries in the report.

The report identifies little or no risk to the property as a consequence of opencast mining activity.

Please refer to the Coal Authority Report (in Appendix 2) for full details. Although the Coal Authority Report has identified a low risk to the property from previous

Coal Mining activity, this refers only to recorded activity. Section 2.5.2 above identifies a significant coal seam which may lie at shallow depth beneath the site, and which may have been worked prior to the legal requirement to keep and deposit mines records. This, if worked, may pose a risk in terms of subsidence and mine gas. See Section 2.5.2 for further details.

2.7 Landfills and Licensed Waste Management Facilities

There is one (Local Authority and Historical) recorded landfill site within 250m of the site. This is the Shafton Welfare Playing Fields site, operated by British Gas NE Plc between 1992 and 1993, 236m north east of the Tollgate Close site. The landfill appears to be located in a disused railway cutting and the type of waste disposed is recorded as 'included Inert and Commercial Waste'. The former landfill site was observed from a nearby public road on the day of the site visit, but no significant features were recorded due to undergrowth on the site. There is, therefore, considered to be a potential risk from the lateral transmission of landfill gas on to the site. This is because current guidance (CIRIA, BRE etc.) uses a consultation boundary of 250m as the distance within which protective measures must be applied to development. Protective measures may comprise investigation, monitoring and risk assessment; these may result in a necessity for protective measures on site.

There are other recorded landfill sites in the general area but all fall outside the 250m current guidance boundary.

2.8 Ground Gases

See Sections 2.6 and 2.7 above.

2.9 Other Potentially Significant Information Relating to the Site

The site is shown as being located in an area of adopted green belt.

The site is shown as being located in a Nitrate Vulnerable Zone, but it is not assessed that this has any implications for this site or the proposed development.

Further details are contained within the Envirocheck Report (Appendix 1).

The site is not recorded as being located in a Radon Affected Area, and Radon Protection Measures are not shown as being recommended.

3 INITIAL RISK ASSESSMENT AND CONCEPTUAL MODEL

3.1 Potential Pollutant Linkages

The preliminary risk assessment process involves the identification of potential sources, pathways and receptors to determine the potential for a pollutant linkage to be present. A pollutant linkage can only be present if all three of the above are involved. There must be a source of contamination present, a receptor for the contamination to impact on and a pathway for the contamination to reach the receptor.

3.2 Potential Sources of Contamination

On Site

The former use of the site for fuel storage and retail may provide potential sources of contamination and associated contaminants present on site.

Off Site

The presence of the landfill Site within 250m of the site may provide potential sources of landfill gas, which may under certain circumstances, migrate onto the site.

The potential presence of unrecorded mine workings beneath the site may lead to the presence of mine gas on site.

3.3 Potential Pathways and Receptors

3.3.1 Human Health

Chronic Risks

Potential exposure pathways are based on those in the Conceptual Exposure Model for human health which is detailed in Contaminated Land Report 10.

The chronic risks to human health take into account those risks to end users of the site. The proposed end use of the site is for domestic housing. The potential pathways used in the assessment are below.

- Ingestion of soil
- Ingestion of dust
- Ingestion of soil and dust on home grown vegetables
- Dermal contact with soil

- Dermal contact with dust
- Inhalation of fugitive soil dust
- Inhalation of fugitive building dust
- Inhalation of vapours or gas outside
- Inhalation of vapours or gas inside
- Migration of contaminants through soil/groundwater

Acute Risks

Acute risks are considered with respect to construction workers/engineers on site.

NB: During any intrusive ground works appropriate health and safety measures should be adopted to protect site workers from any potential risks associated with contamination in the ground. This should include the use of any personal protective equipment necessary and a general awareness of any possible risks to safety and human health on site.

3.3.2 Controlled Waters

Groundwater

The site is underlain by Coal Measures strata, which is classed by the Environment Agency as a minor aquifer. Contaminants which may be present in soil on site may have the potential to leach from soil and therefore impact upon the groundwater of the underlying minor aquifer.

The site is not within a Source Protection Zone for the protection of drinking water supplies and there are no abstractions which are specifically classed as being for drinking water.

Surface Water

The nearest surface water feature is a stream over 200m south of the site. Considering this distance and the buried nature of the contaminants, the risk of contamination leaving the site through surface run off is considered low.

3.3.3 Buildings and Structures

It is understood that the client intends to redevelop the site for residential use.

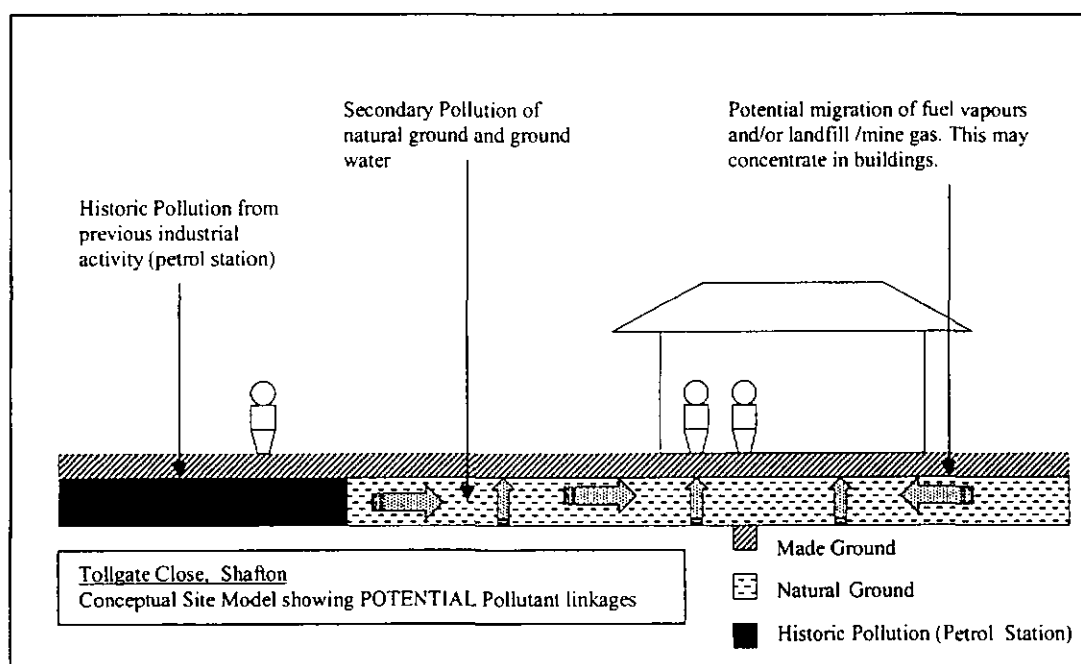
3.4 Initial Conceptual Site Model

Based on all the information gained in previous sections of this report the Conceptual Site Model (CSM) identifies the potential pollutant linkages which may exist on the site. Contaminants may be present within the materials on site and may have the potential to impact on various receptors including human health of site-end-users and controlled waters.

From the available information the initial conceptual model is presented in the table below and also visualised in the diagram below:

Table 5: Initial Conceptual Site Model

Receptor	Potential Pollutant Linkage
Site users	Inhalation of soil gas vapours or dust.
	Ingestion of, and dermal contact with, contaminated soil or dust.
Construction/maintenance workers	Inhalation of soil gas, odours or dust.
	Ingestion of, and skin contact with, contaminated material.
Buildings and Structures	Flow of ground gas into buildings. Asphyxiation, toxicity, explosion and fire hazards.
Groundwater	Migration of soluble contaminants into groundwater on or off site.
Surface water	Migration of soluble contaminants and/or direct run-off of contaminants.
	This model is presented in simple diagrammatic form below.



3.5 Initial Environmental Risk Assessment

This section aims to expand the CSM to assess the level of risk for each potential pollutant linkage.

Table 6 shows classifications presented in CIRIA Report C552 which have been used in the assessment of risk:

Table 6: Risk Assessment from CIRIA C552

Probability	Consequences			
	Severe	Moderate	Mild	Minor
High	Very high	High	Moderate	Moderate / Low
Medium	High	Moderate	Moderate / Low	Low
Low	Moderate	Moderate / Low	Low	Very Low
Unlikely	Moderate / Low	Low	Very Low	Very Low

Table 7: Initial Environmental Risk Assessment

Receptor	Potential Pollutant Linkage	Estimated Degree of Risk to Receptor
Site users	Inhalation of soil gas, vapours or dust.	Low (open air), see below for risk in buildings.
	Ingestion of, and dermal contact with, contaminated soil or dust.	High (former petrol station at the site)
Construction/maintenance workers.	Inhalation of soil gas, odours or dust.	Low*
	Ingestion of, and skin contact with, contaminated soil.	Low*
Buildings and Structures	Flow of fuel vapours and ground gas into buildings. Asphyxiation, toxicity, explosion, fire hazards, long term health hazards, based on accumulations in enclosed spaces.	High (presence of former petrol station) and moderate (nearby landfill site, mine gas)
Groundwater	Migration of soluble contaminants into groundwater on or off site.	Low (no nearby watercourse, small source)
Surface water	Migration of soluble contaminants and/or direct run-off of contaminants.	Low (contaminants are below ground)

*Assumes basic PPE is used, work is short term and mainly in open air.

In this qualitative risk assessment, a HIGH risk has been applied based on the current land use and condition. The risk applies to:

- The potential flow of fuel vapours into buildings from potentially contaminated material surrounding the fuel tanks, due to leakage of the tanks

and general spillage during fuelling operations. Other hydrocarbons may be present at the site due to vehicle parking, storage, repair and maintenance.

A MODERATE risk has been applied to the following:

- The potential flow of landfill gas from the nearby (within 250m consultation boundary) former British Gas landfill, and of mine gas from potential shallow mine workings.

Prior to any further development, particularly residential development, it is therefore recommended that a Phase 2 (intrusive) Investigation is carried out in order to accurately define these risks, and make recommendations for remedial or protective work which may be necessary.

3.6 Recommendations: Proposed Phase 2 Intrusive Investigation

The objectives of any investigation will be to:

- Clarify the 'Initial Contamination Conceptual Model'.
- Clarify the initial risk assessment.
- Provide data for the design of any remedial works that may be required.
- Benchmark the contamination status of the site.

In the case of this site, the main objective of the Phase 1 is to analyse risks from contamination. The former use of part of the site may have led to the presence of potentially harmful substances at the site, particularly resulting from the former petrol station.

The presence of the Landfill Site in the vicinity indicates the potential for migration of gases from the landfill to the site and residential development, and there is a low but extant risk of mine gas from unrecorded mine workings.

Prior to any future development it is recommended that further Phase 2 (intrusive) investigation and monitoring works be undertaken as follows:-

- Shallow trial pits (up to 4.0m depth) should be dug at up to 8 no. locations across the site. Samples of shallow ground material to be taken and tested for

possible contaminants resulting from the former use of part of the site as a petrol station. This should be conducted in accordance with the Department of the Environment Industry Profile: 'Road Vehicle fuelling, service and repair – garage and filling stations' publication. During the trial pit investigation, the depth, nature and extent of the petrol tanks associated with the former use should also be investigated, as should the type and depth of fill material in the former inspection pits.

- A minimum of 3 window sampling boreholes should be constructed within the site and along the northern edge. Monitoring should be undertaken with 3 readings to be taken over a 3 month period, in order to ascertain and monitor any gas migration onto the site from the former British Gas Landfill Site, and from potential shallow unrecorded mine workings.

The Phase 2 should then utilise the results to conduct a risk assessment using the Environment Agency Contaminated Land Exposure Assessment methodology, which would consider the risks posed by any contamination in the context of the proposed site use. The risk assessment should include recommendations for removing the risk from any contamination discovered, such as the removal of material, the introduction of a cover material, on site remediation, etc.

If any ground gas (or mine gas) is detected, a risk assessment should be conducted using the publication CIRIA C659, which also includes recommended protective measures if these should prove necessary.

The Phase 2 should include further investigation of the potential presence of a workable coal seam at shallow depth beneath the site. This would involve obtaining mine plans for the Shafton Seam for local collieries, in particular Grimethorpe Colliery. Although these workings are not thought to extend beneath the site, they would enable an accurate plot of the depth of the seam to be formulated, which in turn would clarify the risk of shallow unrecorded mine workings. If this risk was assessed as significant, a minimum of three shallow rotary boreholes could be drilled to the predicted depths of the seams to determine whether or not the seams are intact. A Coal Authority permit would be required prior to any such drilling.

Prior to any intrusive site investigation or development, records of services should be obtained to accurately locate the existing services on site and in the adjoining streets. This is in order to prevent damage by drilling or use of excavation equipment to these services.

The Phase 2 report should be an interpretative report that makes recommendations for the design of the proposed development, incorporating appropriate measures to prevent any contamination that may be present from posing a significant risk of causing significant harm to human health or the environment. Such measures could include removal and/or in situ remediation of tanks and contaminated material, protective measures in foundations, and capping of contaminated areas with clean material. Subsequent to these measures being taken it is normal for validation testing and certification to be undertaken, in order to check that the measures have been effective.

4. CONCLUSIONS & RECOMMENDATIONS

There is the possibility of a former contaminative use of this site in the form of the former petrol station. Based on the proposed development, there is currently a high risk to future site users and workers from contamination. Prior to any redevelopment it is recommended that a Phase 2 (intrusive) investigation is carried out as detailed in Paragraph 3 above.

There is also the moderate risk of the migration into the site of landfill gases from a nearby former British Gas Landfill Site, and mine gas from shallow unrecorded workings. It is recommended that this be investigated through shallow borehole installation and monitoring, as part of a Phase 2 (intrusive) investigation as detailed in Paragraph 3 above.

There are no recorded mine workings likely to have a physical influence on the surface, but there is evidence of a workable seam at shallow depth which may have unrecorded workings and this could have an adverse effect on the stability of the site. Further work on this aspect is recommended as part of the Phase 2 investigation as detailed in Paragraph 3 above.

The site is not in an area subject to flooding or requiring flood defences.

The solid geology underlying the site is expected to be capable of providing an adequate bearing capacity for conventional foundations for low rise buildings (provided that the recommendations concerning mine workings are carried out); however this should be confirmed by intrusive investigation prior to any proposed development.

Once any development of the site commences, ongoing monitoring of any sub-surface materials exposed should take place. Should any unusual, oily, brightly coloured or odorous material, or unexpected tanks and containers, be encountered, then the advice of a suitably qualified specialist should be sought.

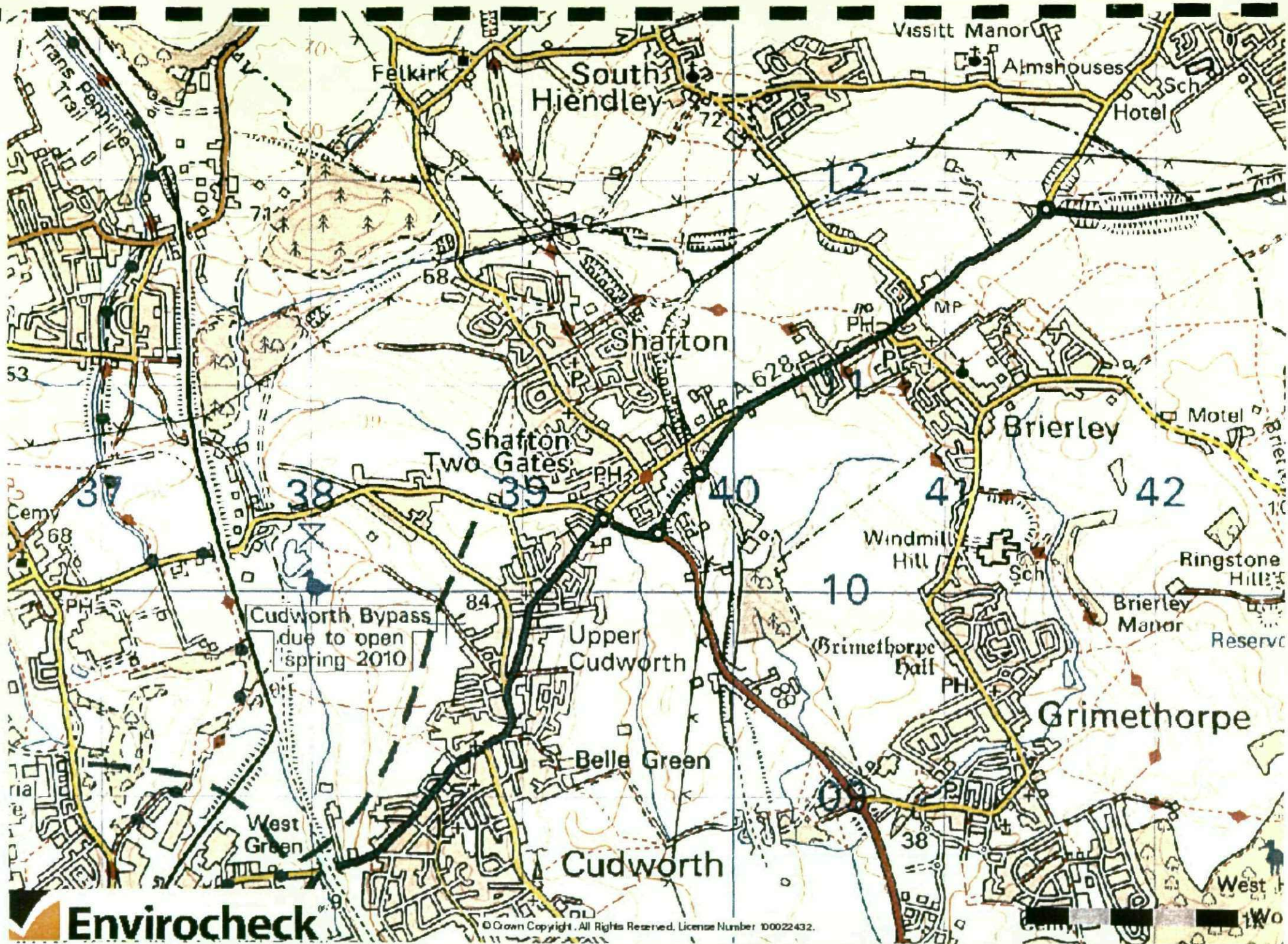
It should be noted that the remediation technique of infilling former fuel tanks with foamed concrete or similar, whilst leaving them in situ, is not recommended for two reasons. First, the most likely area of contaminated soil will be directly adjacent and beneath the tanks. If the tanks are left in situ, clearly these areas cannot be excavated or remediated, and a residual risk of vapour and environmental hazard will remain.

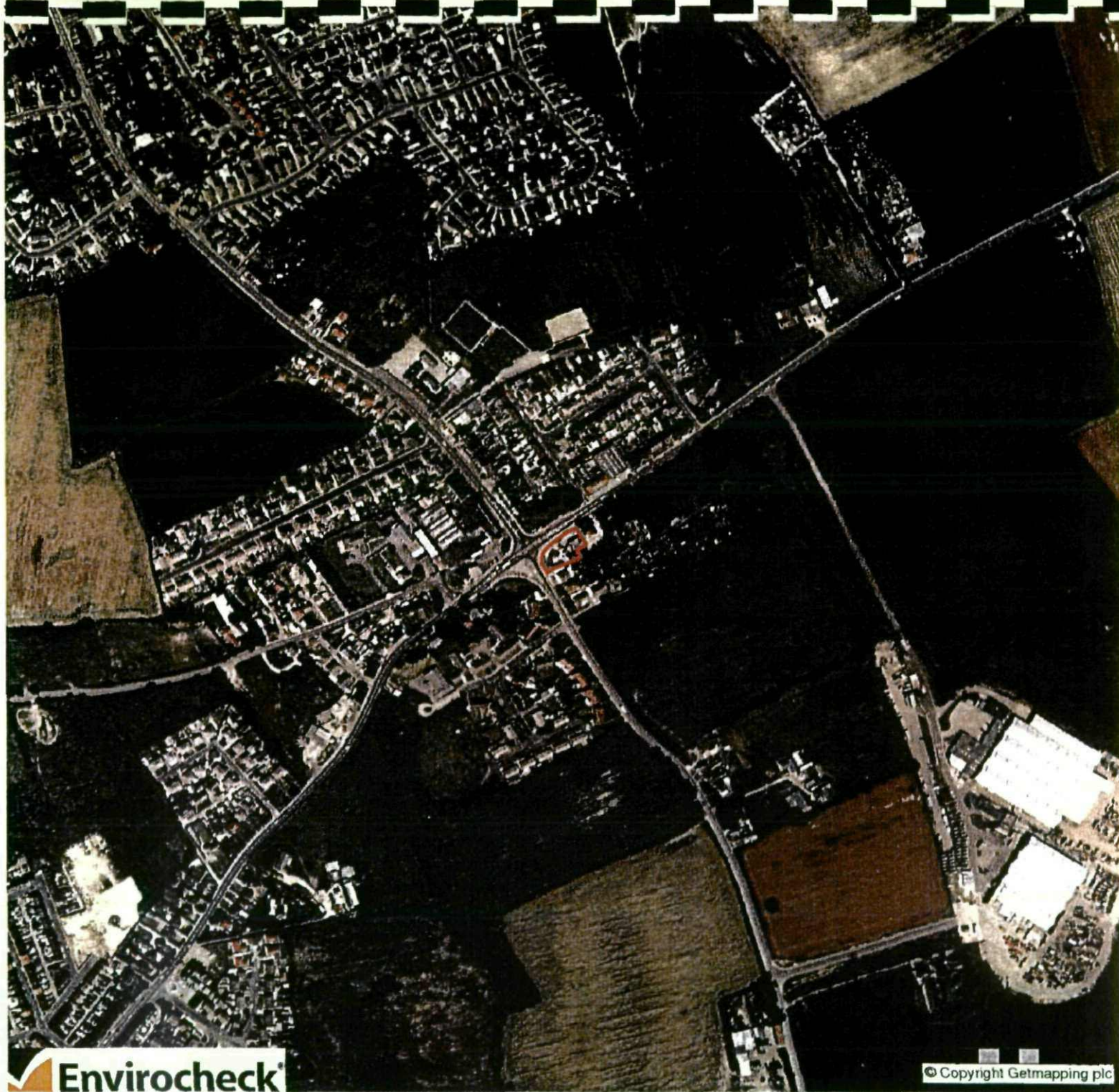
Second, the concrete filled tanks then form 'hard spots' on the site, which could lead to differential settlement deflections across foundations which bridge over the tanks and onto the more compressible made ground and natural ground around them. The deflections, although likely to be small, may be sufficient to cause cracks in the new buildings.

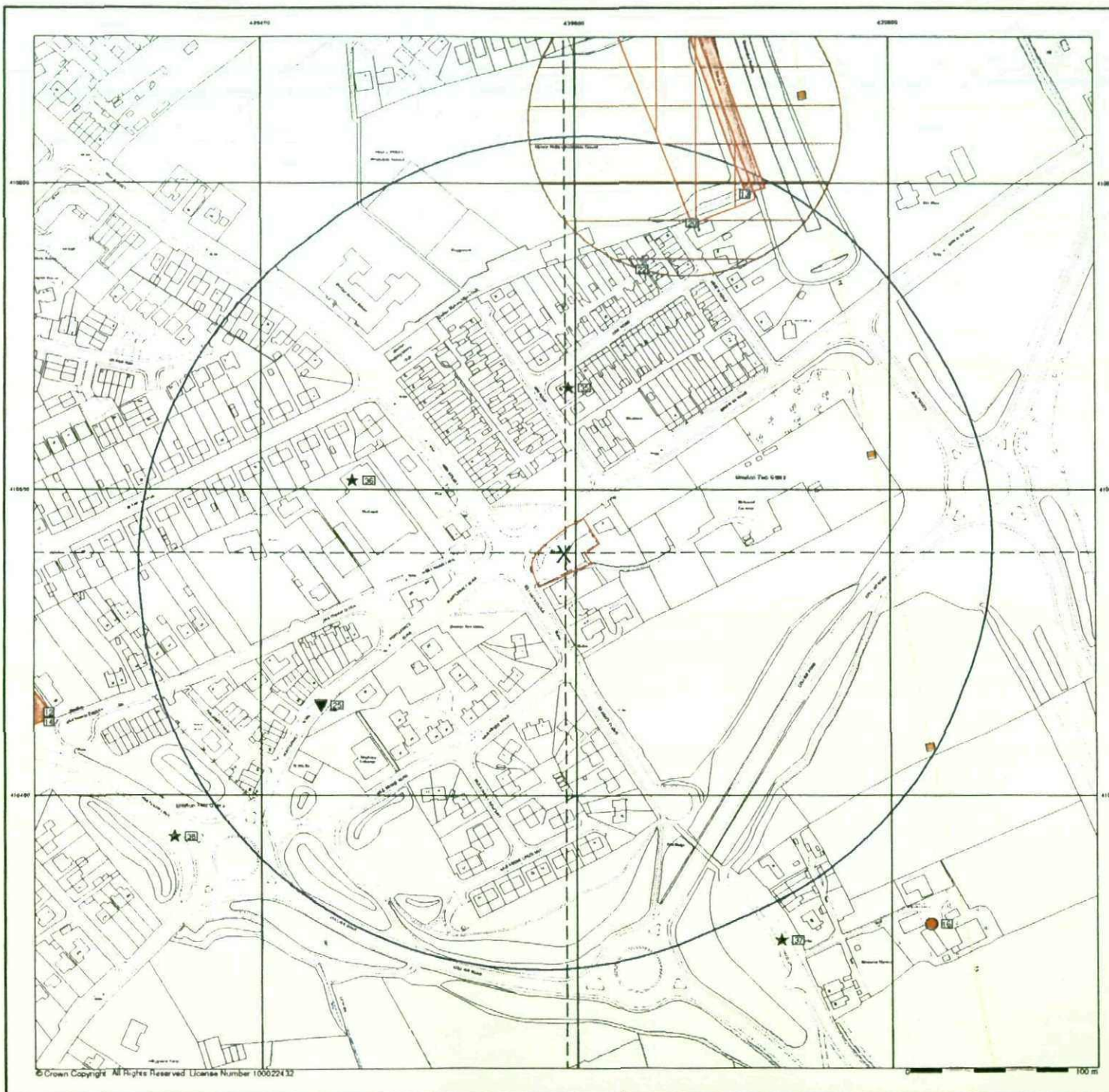
SEL 23/06/10

APPENDIX 1: ENVIROCHECK REPORT

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General

- Specified Site
- Specified Buffer(s)
- X 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 of Enforcement
- Pollution Incident to Controlled Waters
- Protection Relating to Authorised Processes
- Protection 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
- BOH Record of Mineral Site
- BOH Recorded Landfill Site (Location)
- BOH Recorded Landfill Site
- EA Historic Landfill (Buried Pipe)
- EA Historic Landfill (Polygons)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Location)
- 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 (Pipes Buried to 100m)
- Registered Landfill Site (Pipes Buried to 300m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

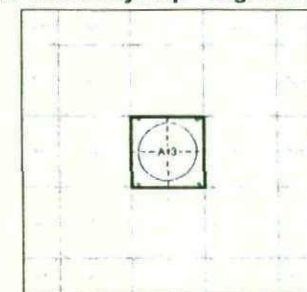
Geological

- BOH Record of Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Segment A13



Order Details

Order Number: 31599684_1_1
 Customer Ref: 10075
 National Grid Reference: 439590, 410560
 Slice: A
 Site Area (Ha): 0.11
 Plot Buffer (m): 250

Site Details

Site at 439600, 410520



Tel: 0144 844 9952
 Fax: 0144 844 3601
 Web: www.envirocheck.co.uk

Envirocheck® Report: Datasheet

Order Details:

Order Number:

31599684_1_1

Customer Reference:

10075

National Grid Reference:

439590, 410560

Slice:

A

Site Area (Ha):

0.11

Search Buffer (m):

1000

Site Details:

Site at 439600, 410520

Client Details:

S Matthews

Silkstone Environmental Ltd

7 Hall Annex

Thornccliffe Park

Chapelton

Sheffield

S35 2PH

Prepared For:

Mr.P.Dennis

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	5
Hazardous Substances	-
Geological	8
Industrial Land Use	11
Sensitive Land Use	13
Data Currency	14
Data Suppliers	18
Useful Contacts	19

Introduction

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

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

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Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			2	
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 1				1
Integrated Pollution Prevention And Control	pg 1			2	
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2			1	
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2			Yes	
Pollution Incidents to Controlled Waters	pg 2				5
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 3				2
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 3	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 4		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences				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	pg 5			1	
Historical Landfill Sites	pg 5		1	2	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 5			3	1
Local Authority Recorded Landfill Sites	pg 6		1	1	
Registered Landfill Sites	pg 7		1		1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 7			1	

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)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS Recorded Mineral Sites	pg 8		1	2	7
BGS 1:625,000 Solid Geology	pg 9	Yes	n/a	n/a	n/a
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 9	Yes	n/a	n/a	n/a
Mining Instability	pg 9	Yes	n/a	n/a	n/a
Natural and Mining Cavities					
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 9		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 10		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Shallow Mining Hazards	pg 10	Yes		n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 11		2	5	11
Fuel Station Entries	pg 12			1	

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 13		1		1
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 13	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Mr Bodnar Property Type: Mixed Farming Location: Fox Farm, Brierley Road, Shafton, BARNSELY, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Deame Reference: C4454 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge: Land/Soakaway Environment: Receiving Water: Land Adjacent To The Proposed Dwelling Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	438	1	439950 410850
2	Discharge Consents Operator: Engine Lane Farm Property Type: Undefined Or Other Location: Engine Lane Farm, Shafton, Barnsley Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: C5258 Permit Version: 1 Effective Date: 30th September 1988 Issued Date: 30th September 1988 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Land Adjacent To The Farm Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	444	1	439200 410300
3	Integrated Pollution Controls Name: Grimethorpe Pfbc Establishment Location: MAIN BUILDING, Engine Lane, GRIMETHORPE, BARNSELY, SOUTH YORKSHIRE, S72 7AB Authority: Environment Agency, North East Region Permit Reference: AA2372 Dated: 24th January 1992 Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation Description: 1.3 A (A) Combustion processes within the Fuel & Power Industry Status: Authorisation certificate surrendered by operatorSurrendered Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	503	1	440032 410280
4	Integrated Pollution Prevention And Control Name: Royston Lead Limited Location: Engineering Works, Hodroyd Close, Off Engine Lane, Shafton, South Yorkshire, S72 8SP Authority: Environment Agency, North East Region Permit Reference: NP3231UQ Original Permit Ref: Bv3383j Effective Date: 1st October 2007 Status: Surrender Effective Application Type: Surrender App. Sub Type: Installation never operated Positional Accuracy: Manually positioned to the address or location Activity Code: 2.2 A(1) (D) (I) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys With Release To Air Primary Activity: Y	A14SW (SE)	424	1	439985 410356
5	Integrated Pollution Prevention And Control Name: Royston Lead Limited Location: Engineering Works, Hodroyd Close, Off Engine Lane, Barnsley, South Yorkshire, S72 8RB Authority: Environment Agency, North East Region Permit Reference: Bv3383j Original Permit Ref: Bv3383j Effective Date: 20th December 2004 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 2.2 A(1) (D) (I) Activity Description: Non-Ferrous Metals; Producing Etc Lead And Alloys With Release To Air Primary Activity: Y	A14SW (SE)	495	1	440056 410339

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Local Authority Pollution Prevention and Controls Name: Vhe Construction Ltd Location: Engine Lane, Shafton, Barnsley, S72 8SP Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Epa59 Dated: 2nd March 1994 Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	494	2	440055 410338
	Nearest Surface Water Feature	A13SW (SW)	283	-	439436 410291
7	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: 4 Kings Road, CUDWORTH Authority: Environment Agency, North East Region Pollutant: Oils - Waste Oil Note: No Fish Killed Incident Date: 9th May 1997 Incident Reference: SH970247 Catchment Area: Deame Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	625	1	439050 410200
8	Pollution Incidents to Controlled Waters Property Type: Pigs Location: Field Close To , Hawthorne Street, SHAFTON Authority: Environment Agency, North East Region Pollutant: Pigs Land Runoff Note: Watercourse :Cudworth Dyke; From South Hiendley To Pools Dyke Incident Date: 6th March 1998 Incident Reference: SH980089 Catchment Area: Deame Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	775	1	439700 411350
9	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Edderthorpe Lane/Rail Viadct Deame 11 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 26th May 1994 Incident Reference: 152042 Catchment Area: Not Given Receiving Water: Groundwater Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	844	1	439400 411400
10	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Foul Sewer Location: Edderthorpe Lane/Rail Viadct Deame 11 Authority: Environment Agency, North East Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 22nd September 1993 Incident Reference: 147899 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	873	1	438700 410600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: Little Houghton/Edderthrp Ln Dearne 10 Authority: Environment Agency, North East Region Pollutant: Unknown Sewage Note: Not Supplied Incident Date: 21st August 1994 Incident Reference: 153419 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	877	1	439100 409800
	River Quality Name: Gnmethorpe_Dike GQA Grade: Not Supplied Reach: Torn_Bank_Sewage_Work_Shafton_Bec Estimated Distance (km): 2.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A9NW (SE)	696	1	440169 410138
	River Quality Name: Shafton_Beck GQA Grade: River Quality E Reach: Grimethorpe_Sewage_W_Grimethorpe_Dik Estimated Distance (km): 1.6 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A8SE (S)	789	1	439629 409749
	Water Abstractions Operator: Burnett & Hallamshire Fuel Limited Licence Number: 2/27/08/100 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 140 Yearly Rate (m3): 35280 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1917	1	437680 410860
	Water Abstractions Operator: Monckton Coke & Chemical Company Limited Licence Number: 2/27/08/069 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 277 Yearly Rate (m3): 83192 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(NW)	1970	1	437770 411350
	Groundwater Vulnerability Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13SE (E)	0	1	439774 410520
	Drift Deposits None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Boundary Accuracy: As Supplied	A13SW (SW)	229	1	439392 410401
	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
12	BGS Recorded Landfill Sites Site Name: Wheetshaw Lane Location: Cudworth, BARNSELY, South Yorks Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Moderate	A13SW (W)	321	3	439265 410454
13	Historical Landfill Sites Licence Holder: British Gas NE Plc Location: High Street, Shafon, Barnsley Name: Shafon Welfare Playing Fields Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04281 First Input Date: 31st December 1992 Last Input Date: 31st December 1993 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: -9999 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: WD20 B866, 4400/B866, 20B866	A13NE (NE)	236	1	439708 410793
14	Historical Landfill Sites Licence Holder: Not Supplied Location: Cudworth, Barnsley, South Yorkshire Name: Wheetshaw Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD31714 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: -9999 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 232 Other Ref: Not Supplied	A13SW (W)	321	1	439265 410454
15	Historical Landfill Sites Licence Holder: Scorch-Stothard and Company Limited Location: Cudworth, Barnsley Name: Quarry off Wheetshaw Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04280 First Input Date: 31st December 1947 Last Input Date: 19th November 1984 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: -9999 Regis Ref: Not Supplied WRC Ref: 4400/0476 BGS Ref: Not Supplied Other Ref: 4400/B241, WD20 B241	A12SE (SW)	453	1	439187 410305
16	Licensed Waste Management Facilities (Locations) Licence Number: 65385 Location: Engine Lane, Shafon, Barnsley, South Yorkshire, S72 8SP Operator Name: Rubber Recovery Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Physical Treatment Facilities Licence Status: Transferred Issued: 28th January 2005 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	A13SE (SE)	320	1	439825 410316

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Licensed Waste Management Facilities (Locations) Licence Number: 65060 Location: Engine Lane, Shafton, Barnsley, South Yorkshire, S72 8SP Operator Name: V H E Construction Plc Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Mobile Plant Licence Status: Surrendered Issued: 16th August 2001 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th February 2007 IPPC Reference: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	434	1	439965 410303
18	Licensed Waste Management Facilities (Locations) Licence Number: 60571 Location: 39 Brierley Road, Shafton, Barnsley, South Yorkshire, S72 8QW Operator Name: George Booth & Sons Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Modified Issued: 18th March 1993 Last Modified: 11th March 2008 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	435	1	439900 410900
19	Licensed Waste Management Facilities (Locations) Licence Number: 65222 Location: Mobile Plant, Engine Lane, Shafton, Barnsley, South Yorkshire, S72 8SP Operator Name: V H E Construction Plc Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Mobile Plant Licence Status: Surrendered Issued: 25th July 2002 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 6th February 2007 IPPC Reference: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	897	1	439900 409700
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	2	439789 411512
	Local Authority Landfill Coverage Name: Wakefield Metropolitan Borough Council - Has not been able to supply Landfill data		949	9	439789 411512
20	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 136 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	A13NE (N)	206	2	439675 410774
21	Local Authority Recorded Landfill Sites Location: Not Supplied Reference: 74 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	A12SE (SW)	468	2	439163 410317

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Registered Landfill Sites Licence Holder: British Gas (N.E) Plc Licence Reference: WD20 B 866 Site Location: Shafton Welfare Playing Fields, High Street, Shafton, Barnsley, South Yorkshire Licence Easting: 439670 Licence Northing: 410840 Operator Location: Vicarage Street North, WAKEFIELD, West Yorkshire, WF1 47J Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Excavation Waste Non-Haz. Demol. Waste Prohibited Waste: All Forms Of Asbestos Commercial Waste Domestic Waste Liquid/Slurry In Drums/Conts > 4 L Cap Paper/Cardboard Waste Plasterboard Plastic Wood	A13NE (N)	167	1	439642 410744
23	Registered Landfill Sites Licence Holder: Scorch-Stolhard & Co Ltd Licence Reference: WD20 B 241 Site Location: Quarry Off Weelshaw Lane, Cudworth, Barnsley, South Yorkshire Licence Easting: 439100 Licence Northing: 410300 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st January 1981 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Excavated Natural Materials \$	A12SE (SW)	532	1	439100 410300
24	Registered Waste Treatment or Disposal Sites Licence Holder: George Booth & Sons Licence Reference: WD20 B 635 MOD 2 Site Location: 39 Brierley Road, Shafton, BARNSELY, South Yorkshire, S72 8QW Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 1st March 1993 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Ferrous Metal Scrap Max.Waste Permitted By Licence Motor Vehicle Batteries Non-Ferrous Metal Scrap Prohibited Waste: Liquid Wastes Waste N.O.S.	A18SE (NE)	435	1	439900 410900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	BGS Recorded Mineral Sites Site Name: Blind Hole Location: Shafton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26015 Type: Underground 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	A13SW (SW)	158	3	439438 410460
26	BGS Recorded Mineral Sites Site Name: Shafton Colliery Location: Shafton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26014 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	438	3	439785 410980
27	BGS Recorded Mineral Sites Site Name: Upper Cudworth Location: Upper Cudworth, Barnsley, Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 103073 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NW (S)	467	3	439406 410102
28	BGS Recorded Mineral Sites Site Name: Three Nooks Location: Weet Shaw Lane, Shafton, Barnsley, Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 103013 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SE (W)	508	3	439080 410423
29	BGS Recorded Mineral Sites Site Name: Upper Cudworth Location: Upper Cudworth, Barnsley, Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 103011 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	510	3	439353 410078
30	BGS Recorded Mineral Sites Site Name: Weetshaw Location: Weet Shaw Lane, Upper Cudworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13299 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	545	3	439090 410290

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	BGS Recorded Mineral Sites Site Name: West Shaw Brickworks Location: West Shaw Lane, Upper Cudworth, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 13300 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Middle Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SE (W)	594	3	438985 410460
32	BGS Recorded Mineral Sites Site Name: Upper Cudworth Location: Three Nooks Lane, Upper Cudworth, Barnsley, Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 103012 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	637	3	439046 410184
33	BGS Recorded Mineral Sites Site Name: Brierley Location: Brierley, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26012 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Upper Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	808	3	440299 410993
34	BGS Recorded Mineral Sites Site Name: Shafton Location: Shafton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26023 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Mexborough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	937	3	438874 411180
	BGS 1:625,000 Solid Geology Description: Upper Westphalian (including Pennant Measures)	(SW)	0	3	437734 409762
	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.	(SW)	0	4	426000 396000
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	(S)	0	-	440000 404500
	Potential for Collapsible Ground Stability Hazards No Hazard				
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	439650 410750
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	175	3	439650 410750
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	221	3	439425 410375

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A13SW (SW)	0	3	439500 410350
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	201	3	439500 410350
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	218	3	439525 410325
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	240	3	439425 410350
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	3	439650 410750
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	175	3	439650 410750
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	221	3	439425 410375
	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	439575 410550
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	3	439575 410550
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	11	3	439625 410558
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	47	3	439525 410558
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	151	3	439650 410725
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	161	3	439775 410575
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	163	3	439425 410475
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	211	3	439825 410575
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	239	3	439700 410800
	Radon Potential - Radon Affected Areas Affected Area: The property is not in a radon affected area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	439592 410625
	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	439592 410625
	Shallow Mining Hazards Risk: Low-Moderate Source: British Geological Survey, National Geoscience Information Service	A14NW (E)	0	3	440091 410582

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Contemporary Trade Directory Entries Name: S Y Fire Appliances Location: 30, Ash Road, Shafton, Barnsley, South Yorkshire, S72 8QE Classification: Firefighting Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	86	-	439595 410667
36	Contemporary Trade Directory Entries Name: Yorkshire Traction Co Ltd Location: Weet Shaw Lane, Shafton, Barnsley, South Yorkshire, S72 8PZ Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	126	-	439458 410606
37	Contemporary Trade Directory Entries Name: Vhe Equipment Services Ltd Location: Engine La, Shafton, Barnsley, South Yorkshire, S72 8SP Classification: Engineering Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	275	-	439730 410305
38	Contemporary Trade Directory Entries Name: Budget Exhausts & Tyres Ltd Location: Pontefract Road, Cudworth, Barnsley, South Yorkshire, S72 8AL Classification: Exhaust & Shock Absorber Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	284	-	439345 410373
39	Contemporary Trade Directory Entries Name: James Town Location: Engine Lane, Shafton, Barnsley, South Yorkshire, S72 8SP Classification: Metal Workers Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	424	-	439986 410356
40	Contemporary Trade Directory Entries Name: G Booth & Son Ltd Location: 39, Brierley Road, Shafton, Barnsley, South Yorkshire, S72 8QW Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	427	-	439931 410855
41	Contemporary Trade Directory Entries Name: Sandras Location: 261, Pontefract Road, Cudworth, Barnsley, South Yorkshire, S72 8AQ Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	465	-	439268 410188
42	Contemporary Trade Directory Entries Name: G L Fabrications Location: 1, Manor View, Shafton, Barnsley, South Yorkshire, S72 8NQ Classification: Wrought Ironwork Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	528	-	439166 410892
43	Contemporary Trade Directory Entries Name: M J M Mobile Hgv & Repairers Location: Pontefract Road, Cudworth, Barnsley, South Yorkshire, S72 8AG Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	536	-	439227 410130
44	Contemporary Trade Directory Entries Name: Shafton International Parts Services Location: Shafton Workshops, Engine La, Shafton, Barnsley, South Yorkshire, S72 8SP Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	565	-	439823 410028
45	Contemporary Trade Directory Entries Name: Kings D I Y Location: 218, Pontefract Road, Cudworth, Barnsley, South Yorkshire, S72 8AG Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	669	-	439114 410053
46	Contemporary Trade Directory Entries Name: Vauxworld Location: 6, Albert Street, Cudworth, Barnsley, South Yorkshire, S72 8AP Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	755	-	439019 410027

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	Contemporary Trade Directory Entries Name: Prompt Auto Service Location: 6a, Albert Street, Cudworth, Barnsley, South Yorkshire, S72 8AP Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	787	-	438994 410006
47	Contemporary Trade Directory Entries Name: Pennine Rentals Location: Albert Street, Cudworth, Barnsley, South Yorkshire, S72 8AP Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	805	-	439016 409958
48	Contemporary Trade Directory Entries Name: Gascraft Location: 30, Hawthorne Street, Shafton, Barnsley, South Yorkshire, S72 8NT Classification: Gas Companies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	907	-	439186 411385
49	Contemporary Trade Directory Entries Name: Hand Pallet Truck Services Ltd Location: 7, Millside, Shafton, Barnsley, South Yorkshire, S72 8NX Classification: Fork Lift Trucks Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	919	-	439098 411349
50	Contemporary Trade Directory Entries Name: J Hazeldine & Son Location: Prospect Villa, Royston Road, Cudworth, Barnsley, South Yorkshire, S72 8AA Classification: Engine Rebuilding & Reconditioning Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A7SE (SW)	960	-	438923 409833
51	Contemporary Trade Directory Entries Name: Star Service Stations Location: Pontefract Rd, Cudworth, Barnsley, South Yorkshire, S72 8AY Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	979	-	439005 409741
52	Fuel Station Entries Name: Keith Ellis Location: Pontefract Road, Cudworth, BARNSELEY, South Yorkshire, S72 8AY Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Approximate location provided by supplier	A12SE (SW)	453	-	439217 410260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Areas of Adopted Green Belt Authority: Bamsley Metropolitan Borough Council, Planning Department Plan Name: Bamsley Unitary Development Plan Status: Adopted Plan Date: 31st December 2000	A13NE (NE)	1	5	439612 410570
54	Areas of Adopted Green Belt Authority: Wakefield City Metropolitan District Council Plan Name: Wakefield Metropolitan District Unitary Development Plan First Alteration Status: Adopted Plan Date: 17th January 2003	A18NE (N)	948	6	439808 411507
55	Nitrate Vulnerable Zones Name: Not Supplied Description: Surface Water - Designated 2006 Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	(W)	0	8	437565 410558

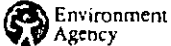
Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Wakefield City Metropolitan District Council - Environmental Health Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services	August 2009 July 2009 September 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North East Region	April 2010	Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region	May 2010	Quarterly
Integrated Pollution Controls Environment Agency - North East Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - North East Region	April 2010	Quarterly
Local Authority Integrated Pollution Prevention And Control Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health Doncaster Metropolitan Borough Council - Environmental Services	January 2010 July 2009 November 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health Doncaster Metropolitan Borough Council - Environmental Services	January 2010 July 2009 November 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Wakefield City Metropolitan District Council - Environmental Health Doncaster Metropolitan Borough Council - Environmental Services	January 2010 July 2008 November 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	February 2010	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	May 2010	Monthly
Prosecutions Relating to Controlled Waters Environment Agency - North East Region	May 2010	Monthly
Registered Radioactive Substances Environment Agency - North East Region	April 2010	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	January 2010	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	January 2010	Annually
Substantiated Pollution Incident Register Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2010 April 2010	Quarterly Quarterly
Water Abstractions Environment Agency - North East Region	April 2010	Quarterly
Water Industry Act Referrals Environment Agency - North East Region	January 2010	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 1999	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Environment Agency - Head Office	April 2010	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2010	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	March 2010	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	March 2010	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	March 2010	Quarterly
Flood Defences Environment Agency - Head Office	March 2010	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 Environment Agency - North East Region - Yorkshire Area	April 2010 April 2010	Quarterly Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2010 April 2010	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2010 April 2010	Quarterly Quarterly
Local Authority Landfill Coverage Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards Doncaster Metropolitan Borough Council - Environmental Services Wakefield City Metropolitan District Council - Environmental Health	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	May 2010	Bi-Annually
Explosive Sites Health and Safety Executive	January 2009	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Wakefield City Metropolitan District Council Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council	April 2010 July 2009 July 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Wakefield City Metropolitan District Council Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council	April 2010 July 2009 July 2009	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2010	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	January 2006	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	November 2009	Bi-Annually
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2009	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	May 2007	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	May 2007	As notified
Shallow Mining Hazards British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	March 2010	Quarterly
Fuel Station Entries Catalist Ltd - Experian Catalist	February 2010	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council Wakefield City Metropolitan District Council	March 2010 March 2010 March 2010	As notified As notified As notified
Areas of Unadopted Green Belt Barnsley Metropolitan Borough Council - Planning Department Doncaster Metropolitan Borough Council Wakefield City Metropolitan District Council	March 2010 March 2010 March 2010	As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	December 2009	Bi-Annually
Environmentally Sensitive Areas Natural England	December 2009	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	December 2009	Bi-Annually
Marine Nature Reserves Natural England	September 2009	Bi-Annually
National Nature Reserves Natural England	December 2009	Bi-Annually
National Parks Natural England	December 2009	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2009	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2009	Annually
Ramsar Sites Natural England	December 2009	Bi-Annually
Sites of Special Scientific Interest Natural England	December 2009	Bi-Annually
Special Areas of Conservation Natural England	December 2009	Bi-Annually
Special Protection Areas Natural England	December 2009	Bi-Annually

A selection of organisations who provide data within this report

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

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	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.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	Wakefield City Metropolitan District Council Newton Bar, Wakefield, West Yorkshire, WF1 2TX	Telephone: 01924 306090 Fax: 01924 378532 Website: www.wakefield.gov.uk
7	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
8	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
9	Wakefield City Metropolitan District Council - Environmental Health Newton Bar, Wakefield, West Yorkshire, WF1 2TX	Telephone: 01924 306090 Website: www.wakefield.gov.uk
-	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.

Envirocheck® Report:

BGS Boreholes Datasheet

Order Details:

Order Number:

31599684_1_1

Customer Reference:

10075

National Grid Reference:

439590, 410560

Slice:

A

Site Area (Ha):

0.11

Borehole Search Buffer (m):

1000

Site Details:

Site at 439600, 410520

Client Details:

S Matthews

Silkstone Environmental Ltd

7 Hall Annex

Thornccliffe Park

Chapelton

Sheffield

S35 2PH

Prepared For:

Mr.P.Dennis

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
BGS Boreholes	pg 1	None	6	None	2

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

Report Version v47.0

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	BGS Boreholes BGS Reference: Se31se119 Drilled Length (m): Not Supplied Borehole Name: Hazledene Road Shafton Barnsley Tp 6	A13SW (SW)	84	3	439517 410477
56	BGS Boreholes BGS Reference: Se31se118 Drilled Length (m): Not Supplied Borehole Name: Hazledene Road Shafton Barnsley Tp 5	A13SW (SW)	89	3	439527 410462
56	BGS Boreholes BGS Reference: Se31se117 Drilled Length (m): Not Supplied Borehole Name: Hazledene Road Shafton Barnsley Tp 4	A13SW (SW)	103	3	439525 410447
57	BGS Boreholes BGS Reference: Se31se115 Drilled Length (m): Not Supplied Borehole Name: Hazledene Road Shafton Barnsley Tp 2	A13SW (SW)	118	3	439499 410447
57	BGS Boreholes BGS Reference: Se31se116 Drilled Length (m): Not Supplied Borehole Name: Hazledene Road Shafton Barnsley Tp 3	A13SW (SW)	131	3	439501 410429
57	BGS Boreholes BGS Reference: Se31se114 Drilled Length (m): Not Supplied Borehole Name: Hazledene Road Shafton Barnsley Tp 1	A13SW (SW)	134	3	439473 410451
58	BGS Boreholes BGS Reference: Se31se7 Drilled Length (m): 150.88 Borehole Name: Whamcliffe Woodmoor Colliery No.5 Ubh	A12NE (W)	553	3	439040 410704
59	BGS Boreholes BGS Reference: Se41sw61 Drilled Length (m): Not Supplied Borehole Name: Grimethorpe Colly. Cliff Lane Surface Bh	A14NE (E)	795	3	440370 410810

BGS Boreholes	Version	Update Cycle
BGS Boreholes British Geological Survey - National Geoscience Information Service	April 2010	Quarterly

Contact Details	Contact Logo
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	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
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	 LANDMARK[®] Information Group



Groundwater Vulnerability

General

- Boxed Site
- Specified Buffer(s)
- Running Reference Point
- Site
- Map ID

Agency and Hydrological

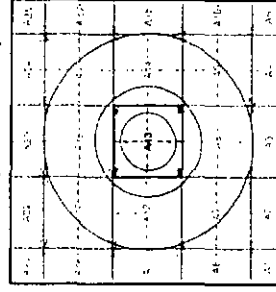
Geological Classes

- Major Aquifer (Highly Permeable)
- Minor Aquifer (Moderately Permeable)
- Non Aquifer (Negligibly Permeable)
- Water or Sea
- Drill Depth

Soil Classes

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

Site Sensitivity Context Map - Slice A

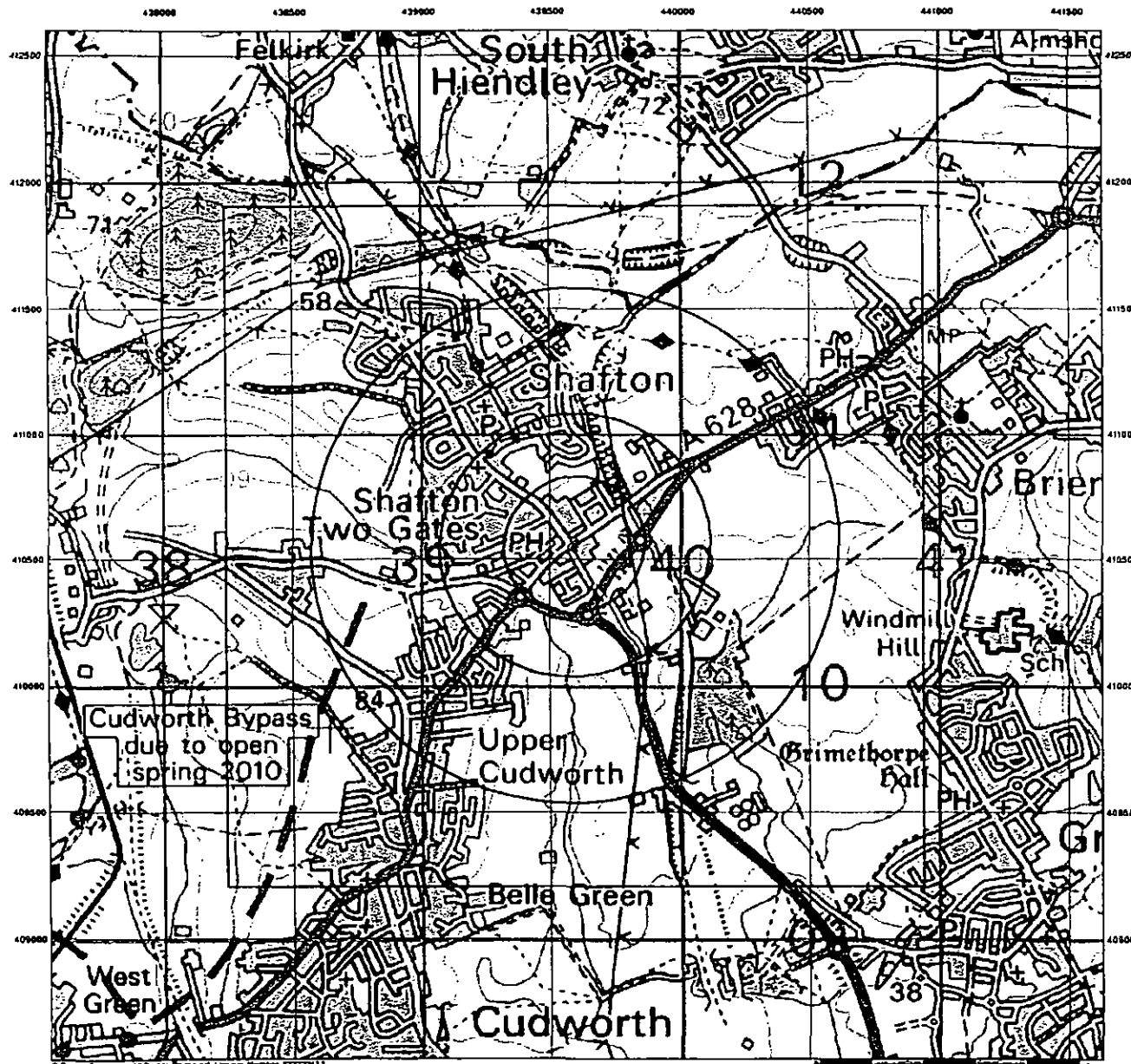


Order Details

Order Number: 31599684_1.1
 Customer Ref: 10075
 National Grid Reference: 439590, 410560
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000
 Site Details
 Site at 439600, 410520



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 0844 344 1871
 www.landmark.co.uk



Source Protection Zones

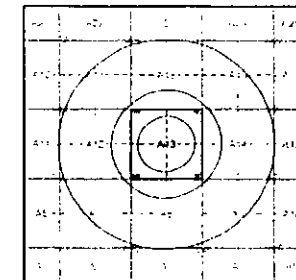
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 31599684_1_1
 Customer Ref: 10075
 National Grid Reference: 439590, 410560
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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



Sensitive Land Uses

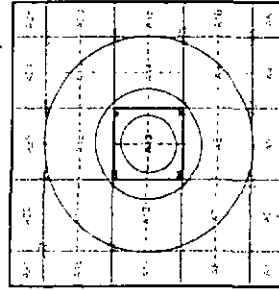
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

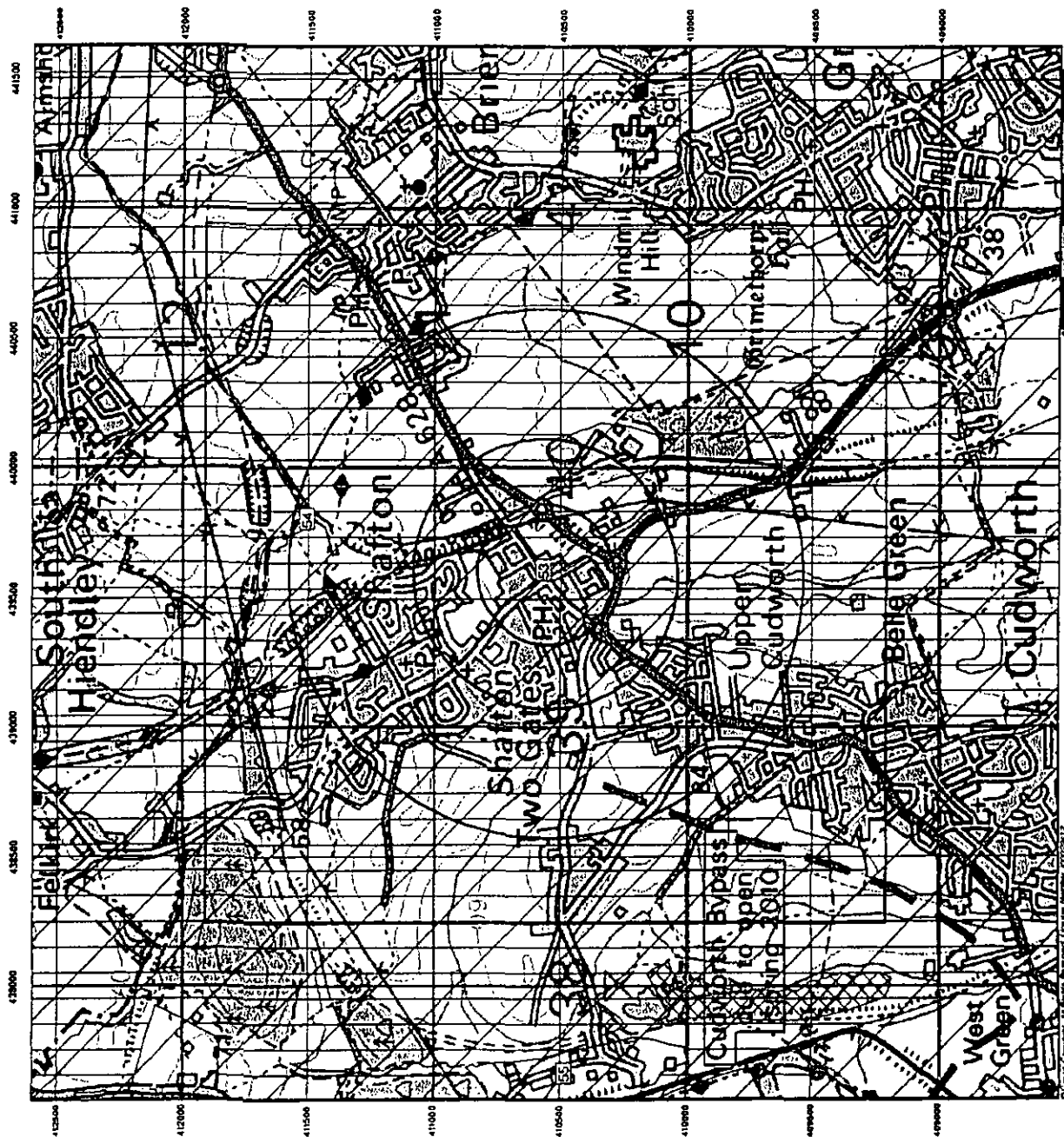
Order Number: 31595684_1.1
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Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Site at 439600, 410520

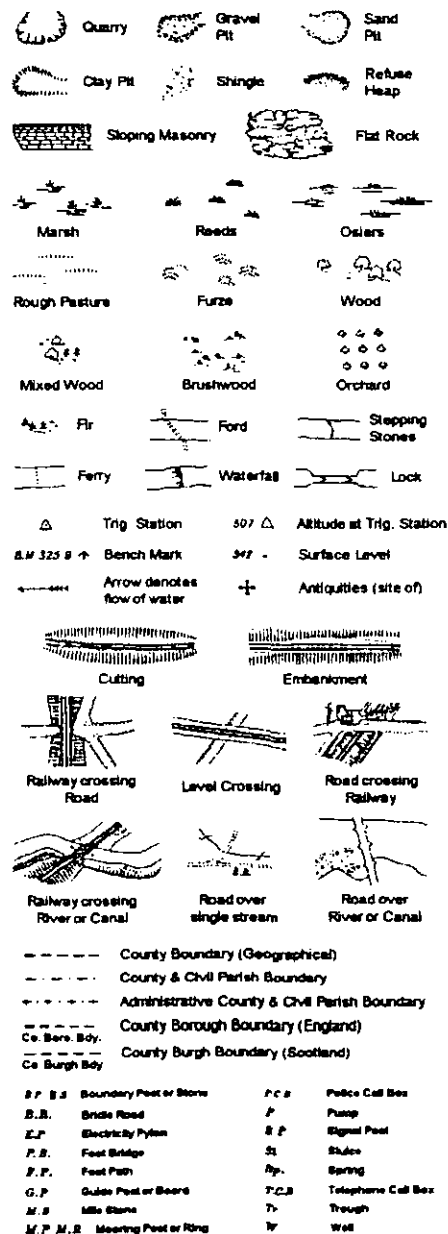


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0800 344 9991
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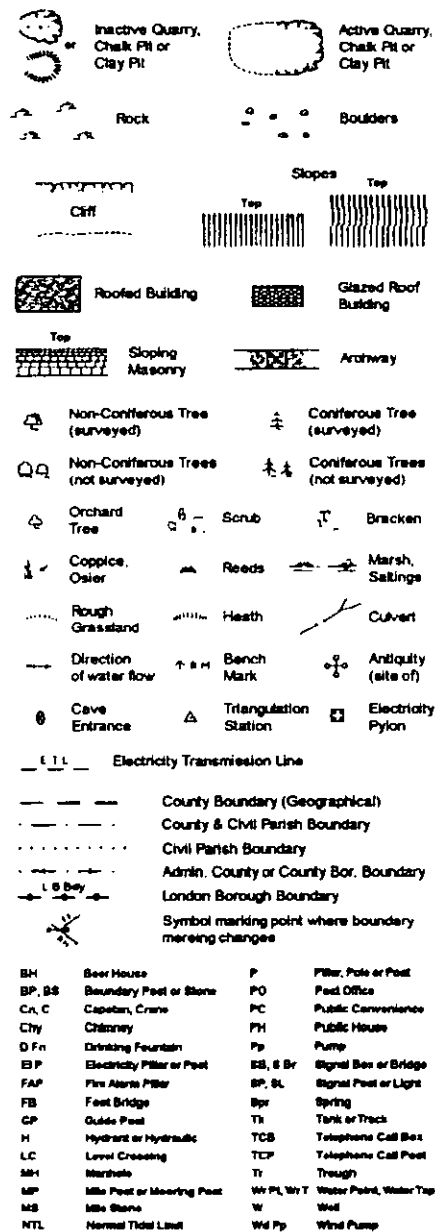


Historical Mapping Legends

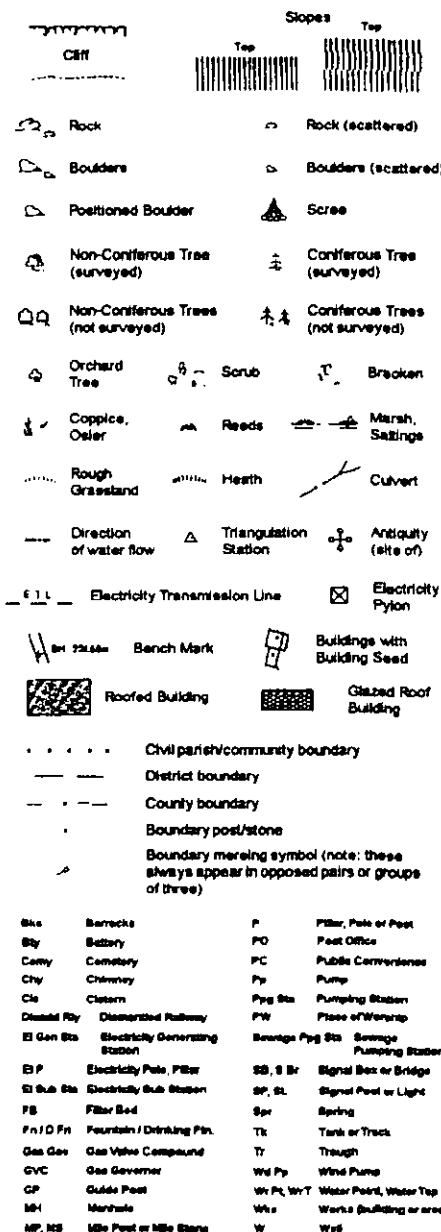
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



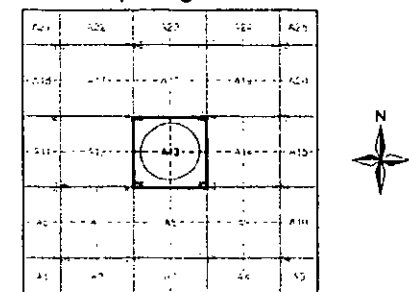
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1893	2
Yorkshire	1:2,500	1906	3
Yorkshire	1:2,500	1917 - 1919	4
Ordnance Survey Plan	1:2,500	1962	5
Supply of Unpublished Survey Information	1:2,500	1975	6
Ordnance Survey Plan	1:1,250	1977	7
Additional SIMs	1:1,250	1979 - 1985	8
Large-Scale National Grid Data	1:1,250	1993	9
Large-Scale National Grid Data	1:1,250	1994	10

Historical Map - Segment A13



Order Details

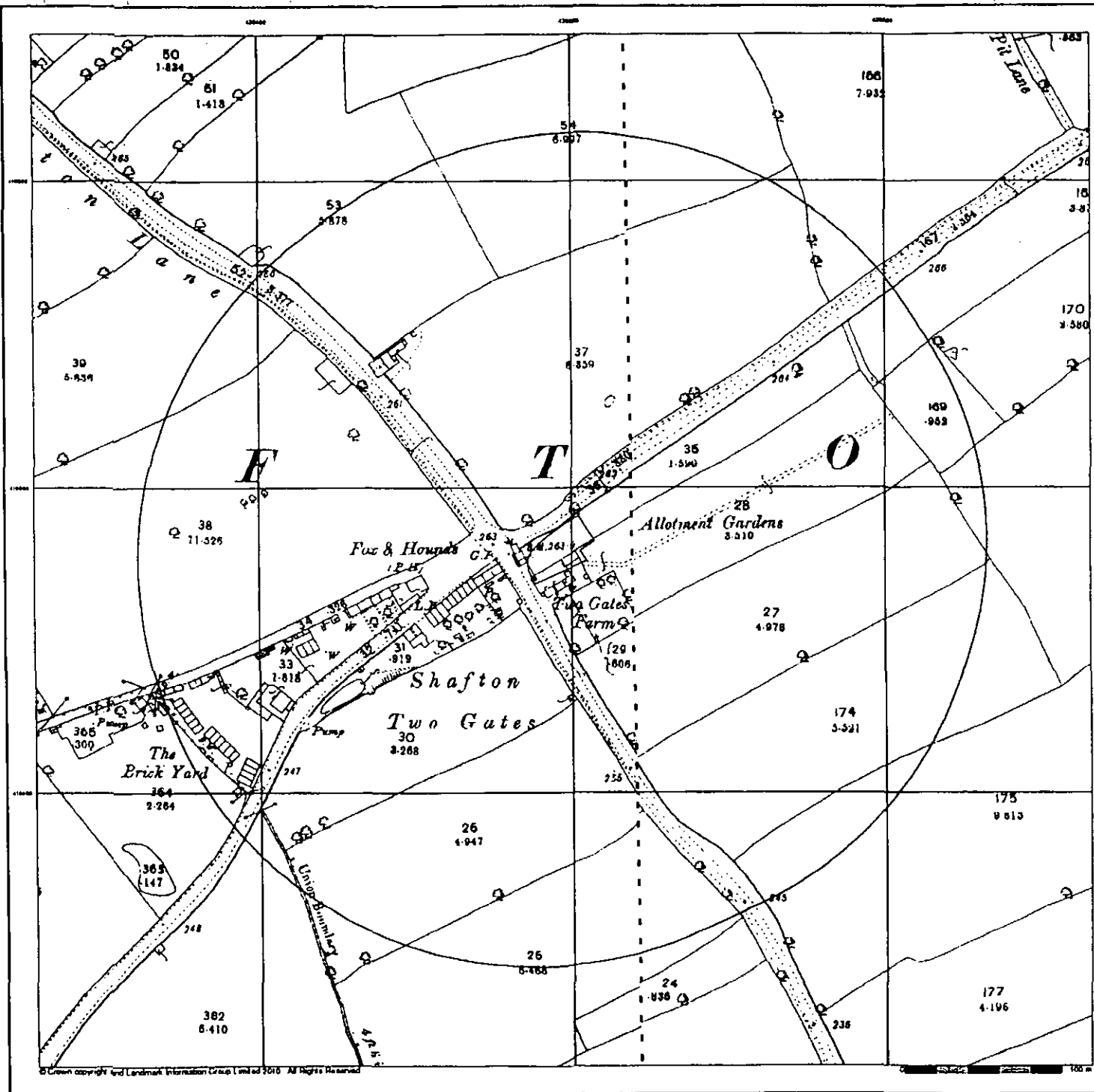
Order Number: 31599684_1_1
Customer Ref: 10075
National Grid Reference: 439590, 410580
Site: A
Site Area (Ha): 0.11
Search Buffer (m): 250

Site Details

Site at 439600, 410520



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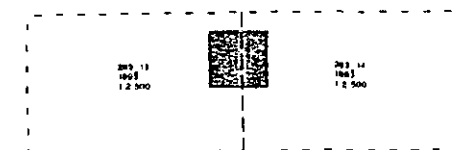
Yorkshire

Published 1893

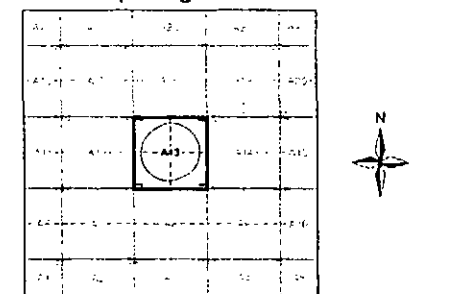
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840s. 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 1930, 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

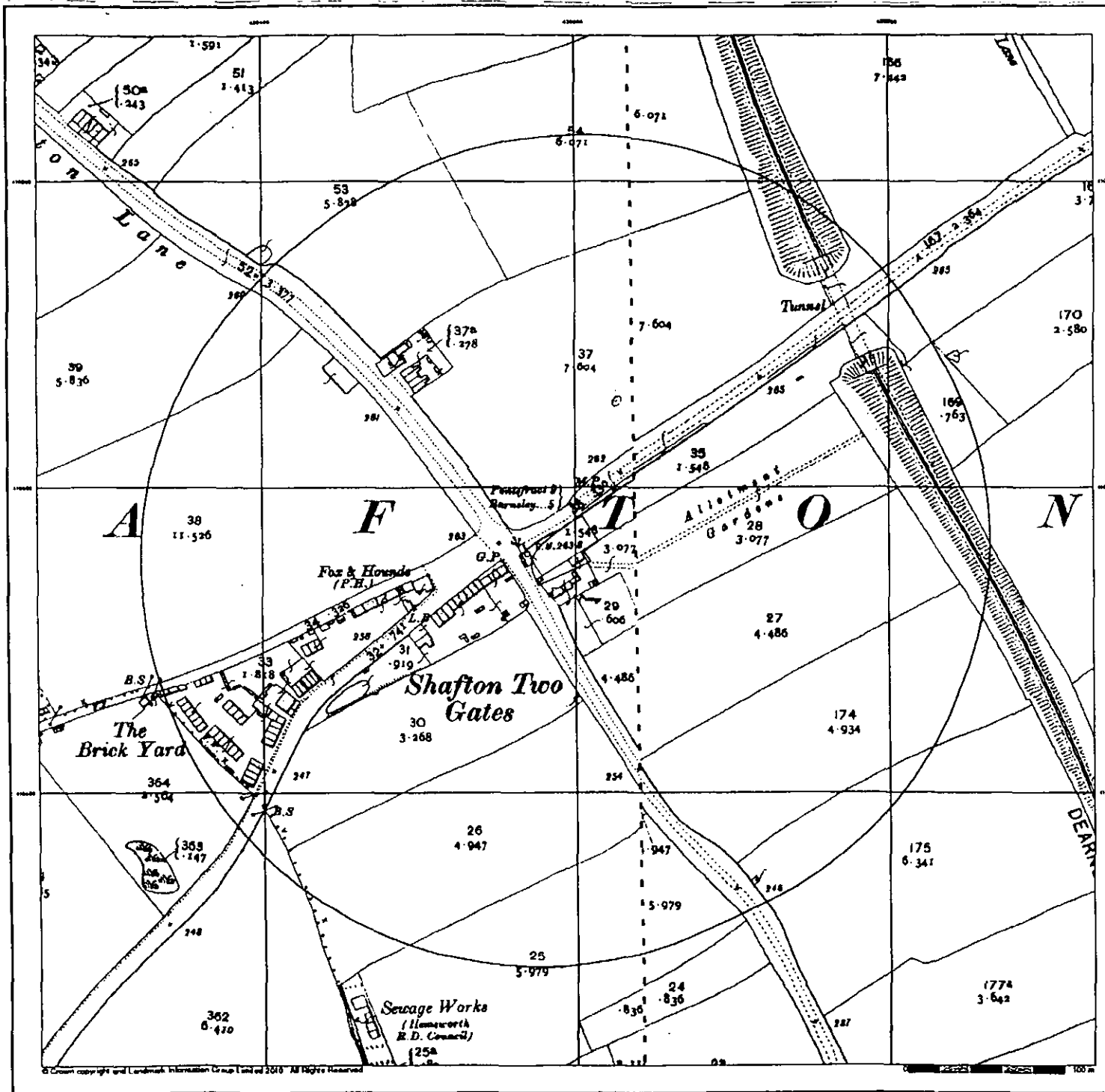
Order Number: 31599684_1_1
Customer Ref: 10075
National Grid Reference: 439590, 410560
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 250

Site Details

Site at 439600, 410520



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Fax: 0844 844 6651
Web: www.envirocheck.co.uk

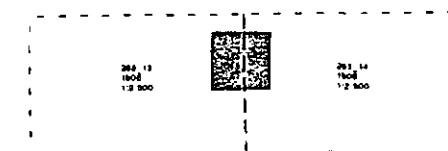


Yorkshire
Published 1906

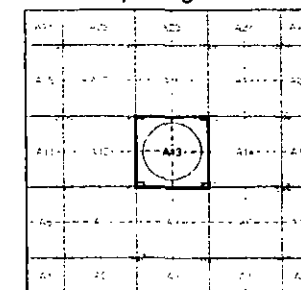
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840s. 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: 31599884_1_1
Customer Ref: 10075
National Grid Reference: 439590, 410560
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 250

Site Details

Site at 439800, 410520



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Fax: 0844 844 9551
Web: www.envirocheck.co.uk

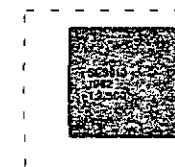


Ordinance Survey Plan Published 1962

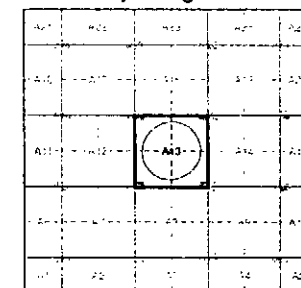
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

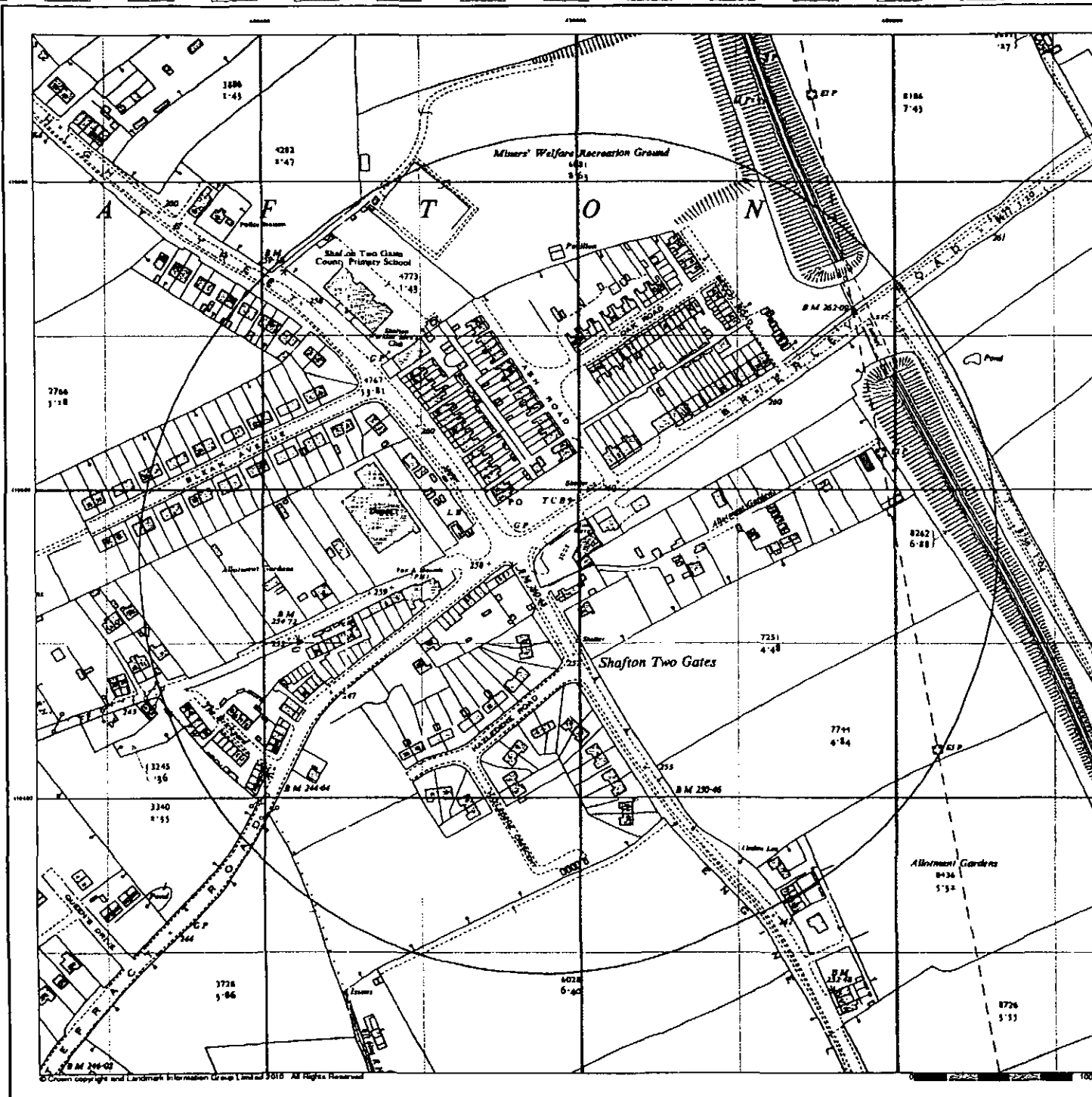
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Customer Ref: 10075
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Slice: A
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Search Buffer (m): 250

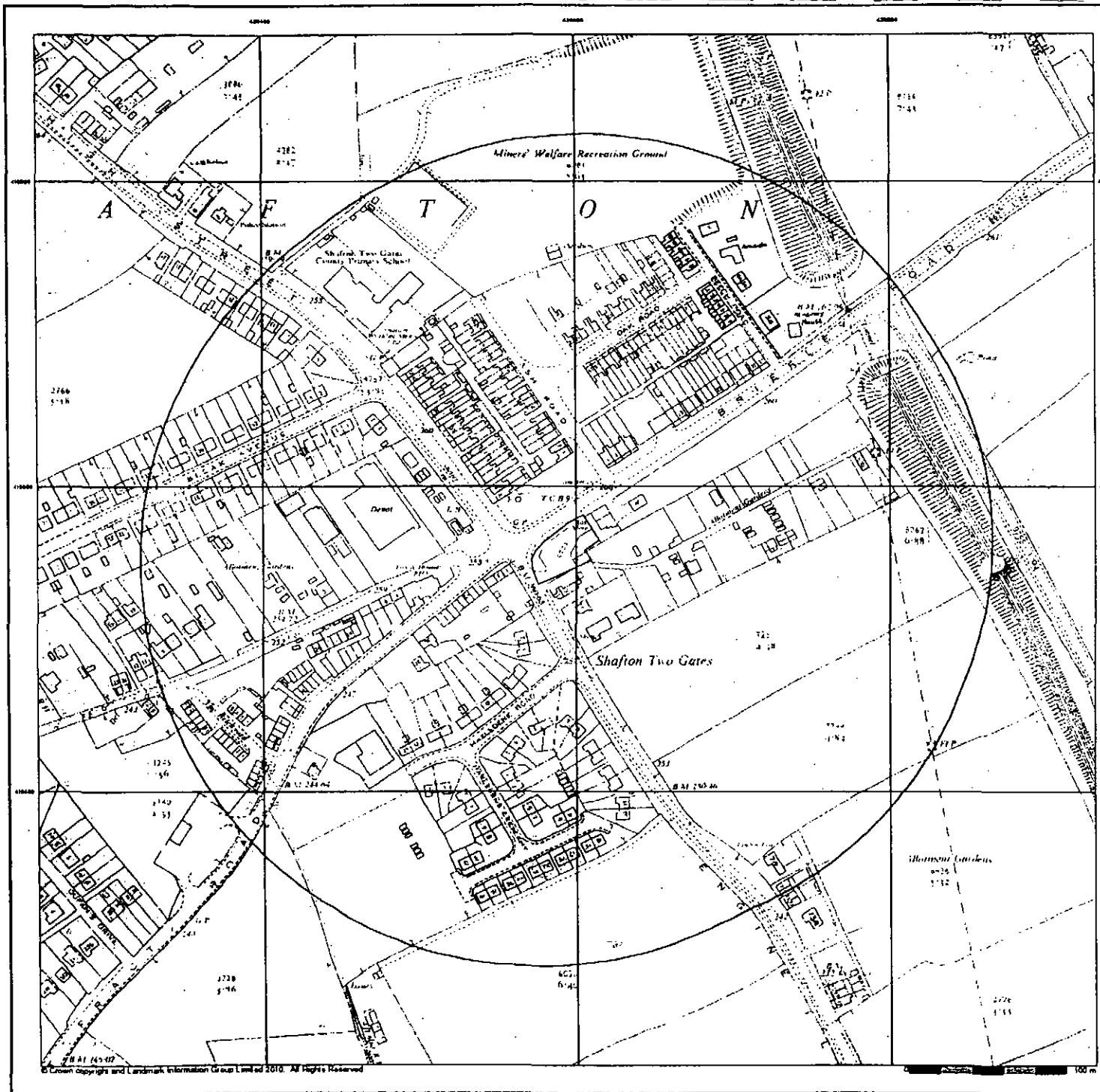
Site Details

Site at 439600, 410520



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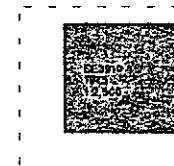
Supply of Unpublished Survey Information

Published 1975

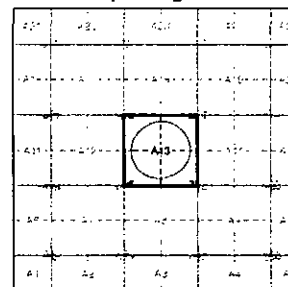
Source map scale - 1:2,500

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

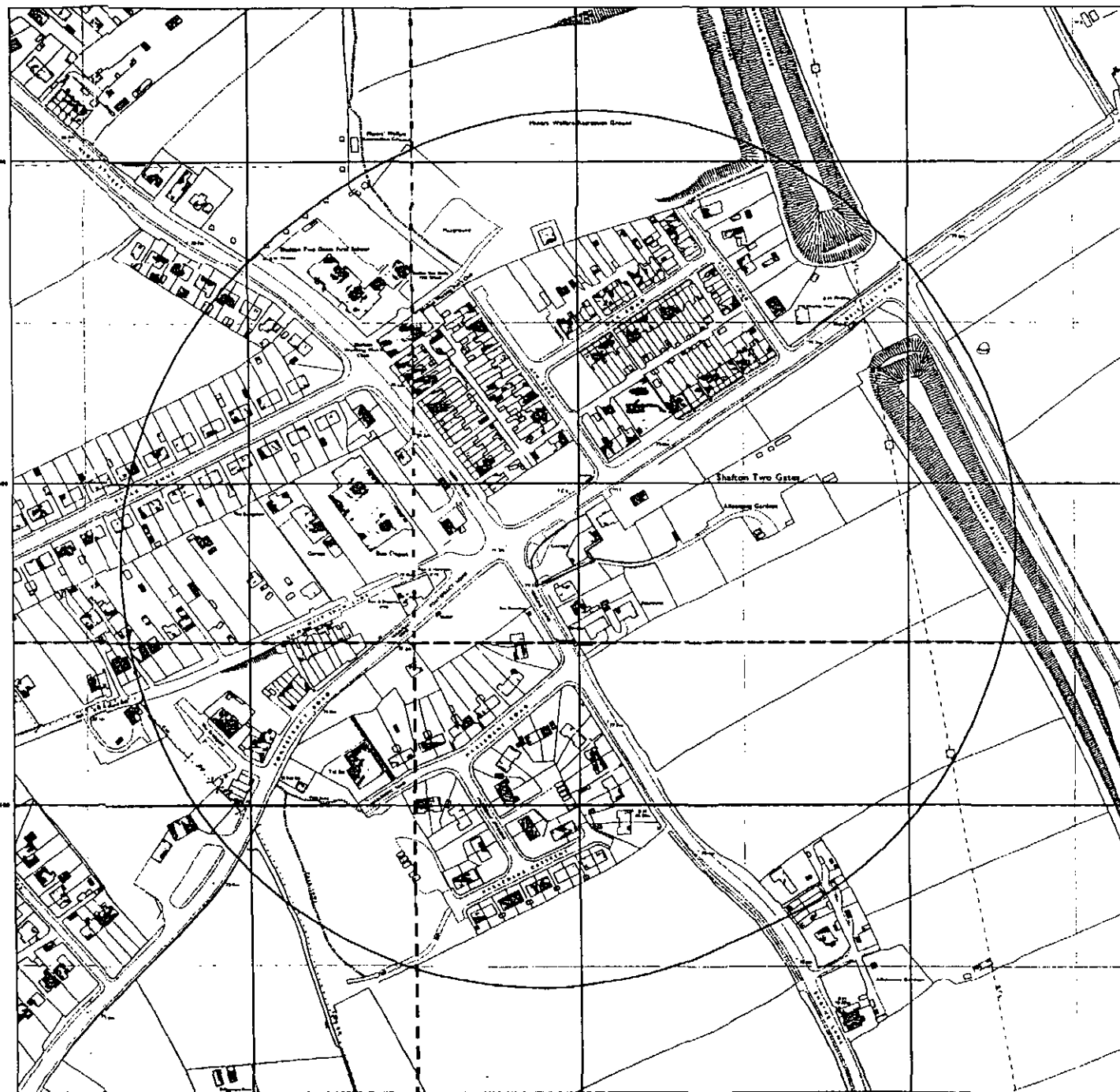
Order Number: 31599684_1_1
 Customer Ref: 10075
 National Grid Reference: 439590, 410560
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 250

Site Details

Site at 439600, 410520



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 Fax: 0844 844 0951
 Web: www.envirocheck.co.uk



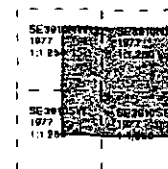
Ordnance Survey Plan

Published 1977

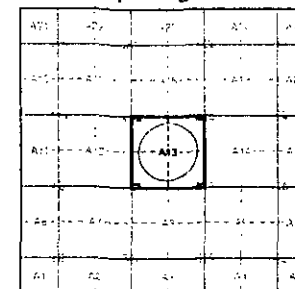
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 31599684_1_1
 Customer Ref: 10075
 National Grid Reference: 439580, 410580
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 250

Site Details

Site at 439600, 410520



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Large-Scale National Grid Data

Published 1993

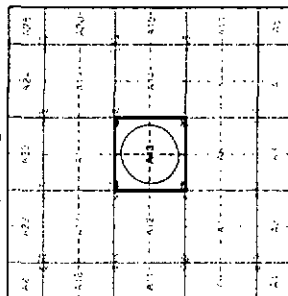
Source map scale - 1:1,250

Large Scale National Grid Data: superseded SMI cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and cover the period 1982-1993. These maps were the first series of digital mapping and do 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: 31599684_1_1
Customer Ref: 10075
National Grid Reference: 439590, 410560

Site: A

Site Area (Ha): 0.11

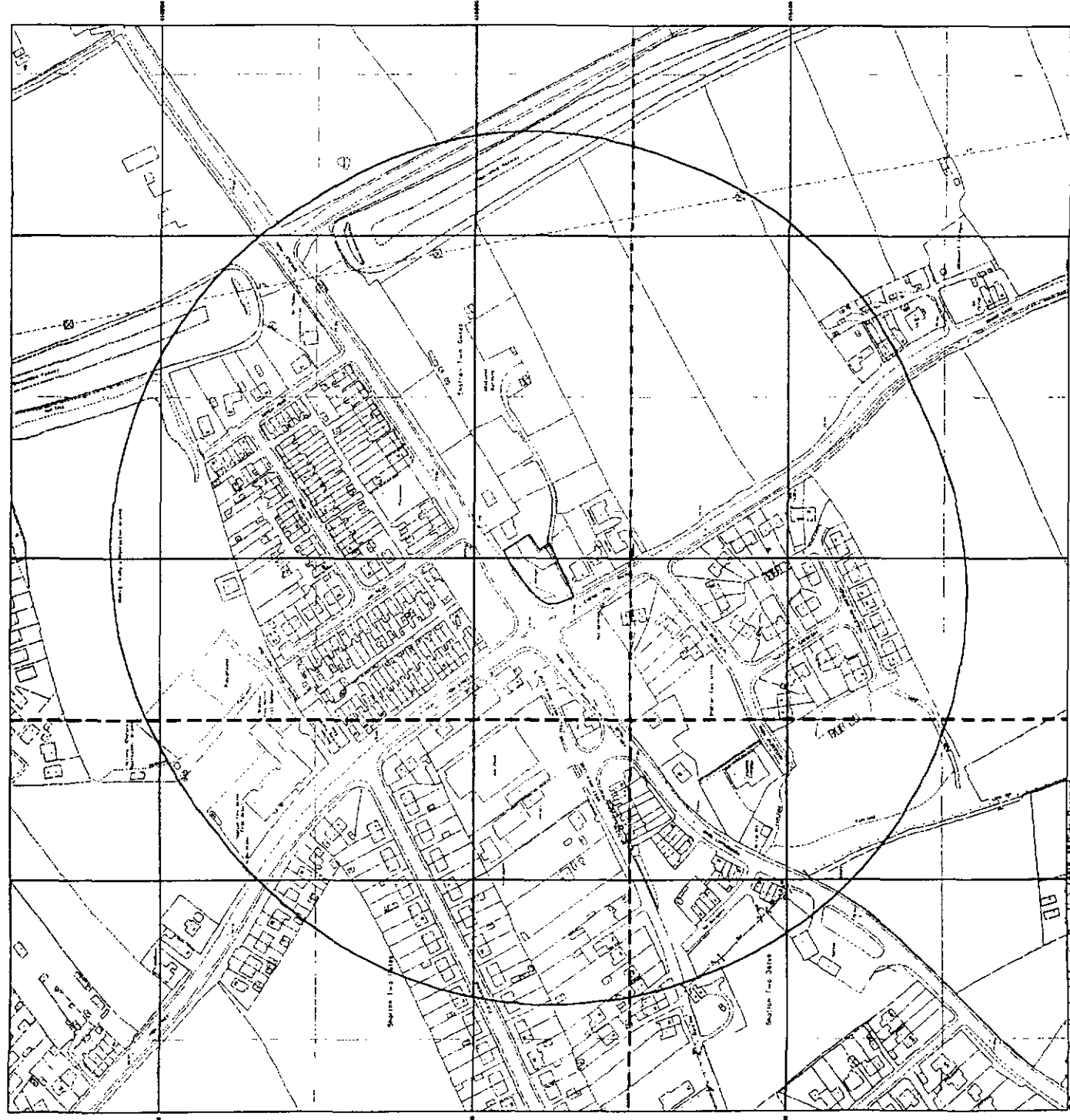
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Site Details

Site at 439600, 410520

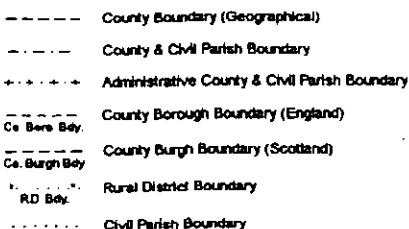
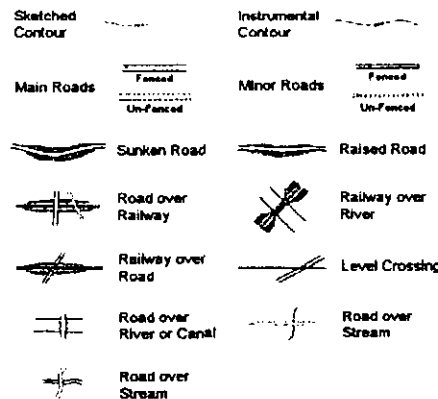
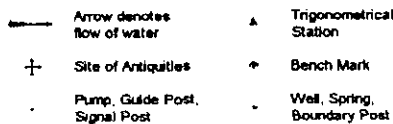
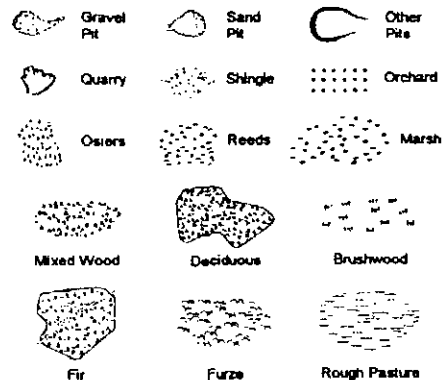


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Fax: 0844 844 9851
Email: info@landmark.co.uk

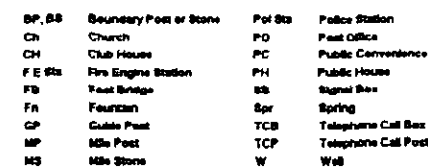
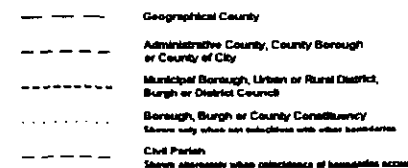
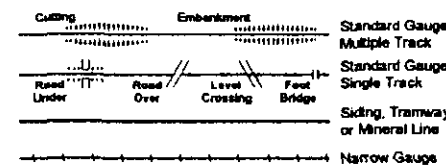
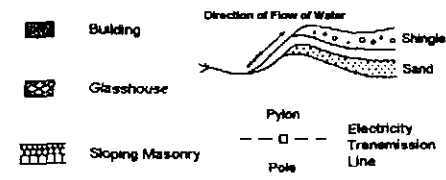
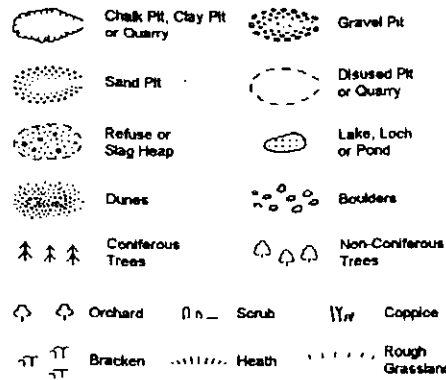


Historical Mapping Legends

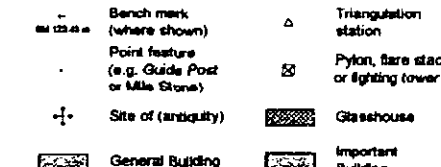
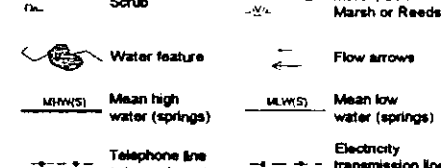
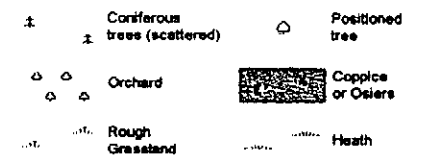
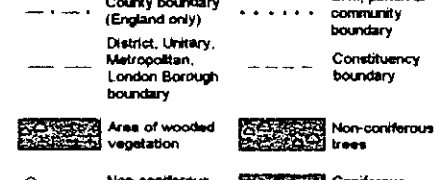
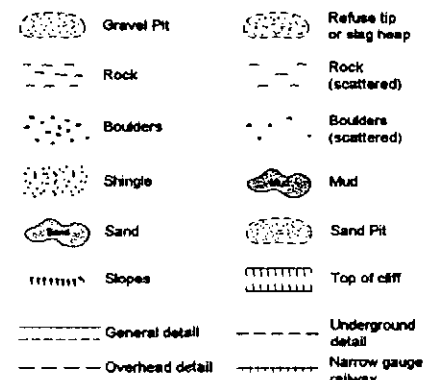
Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



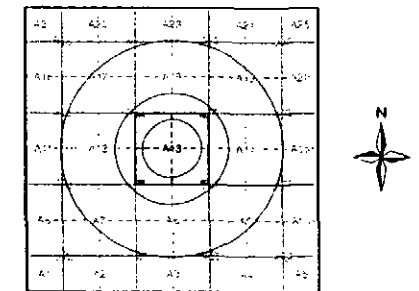
1:10,000 Raster Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1884	2
Yorkshire	1:10,560	1884	3
Yorkshire	1:10,560	1906 - 1907	4
Yorkshire	1:10,560	1932 - 1933	5
Yorkshire	1:10,560	1938	6
Yorkshire	1:10,560	1938	7
Yorkshire	1:10,560	1948	8
Ordnance Survey Plan	1:10,000	1953 - 1956	9
Ordnance Survey Plan	1:10,000	1968 - 1967	10
Ordnance Survey Plan	1:10,000	1974	11
Ordnance Survey Plan	1:10,000	1981 - 1984	12
Ordnance Survey Plan	1:10,000	1989	13
Ordnance Survey Plan	1:10,000	1990 - 1993	14
10K Raster Mapping	1:10,000	2000	15
10K Raster Mapping	1:10,000	2008	16
10K Raster Mapping	1:10,000	2010	17

Historical Map - Slice A



Order Details

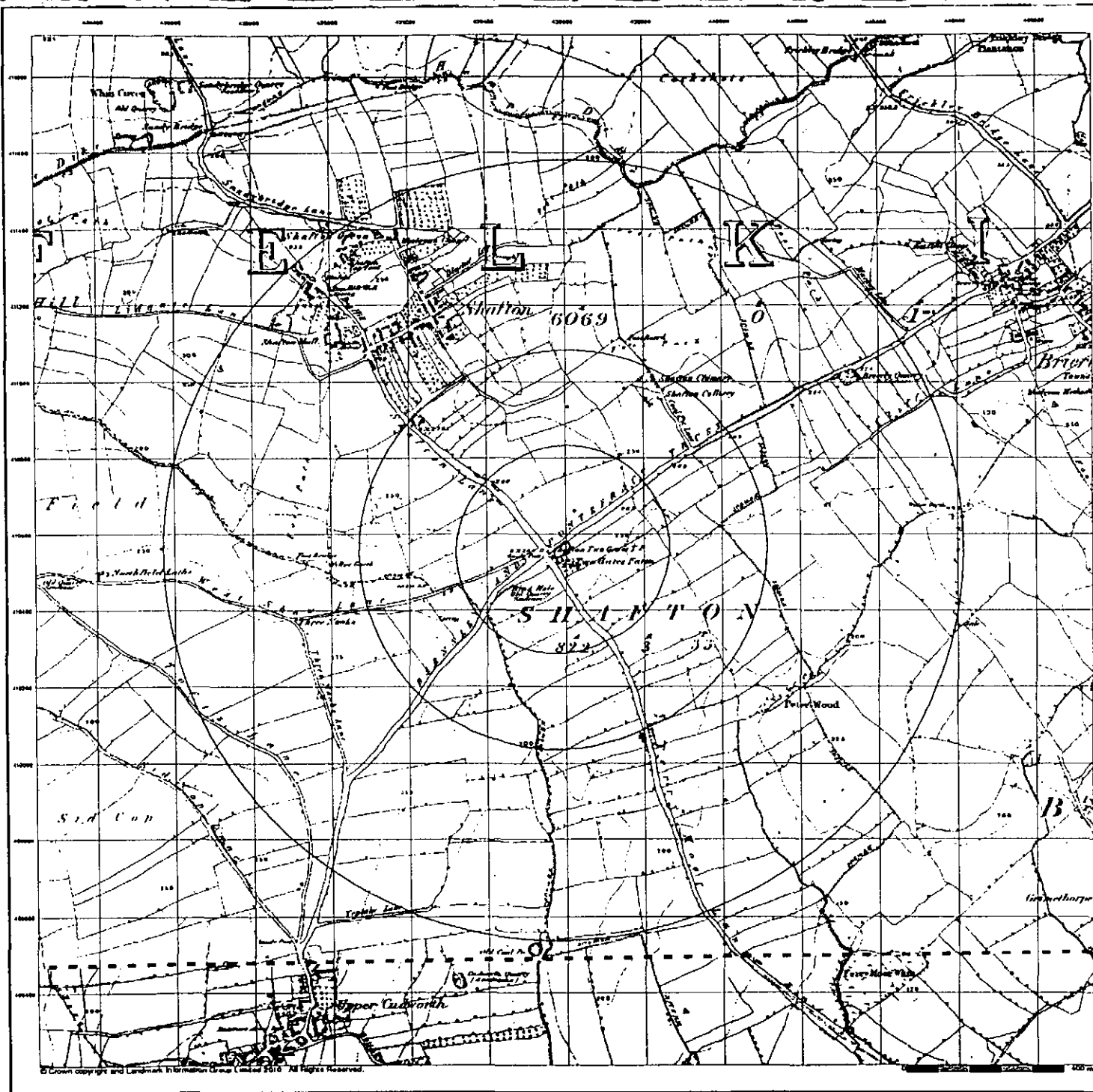
Order Number: 31598684_1_1
 Customer Ref: 10075
 National Grid Reference: 439590, 410560
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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 Fax: 0844 844 9651
 Web: www.envirocheck.co.uk



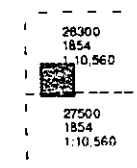
Yorkshire

Published 1854

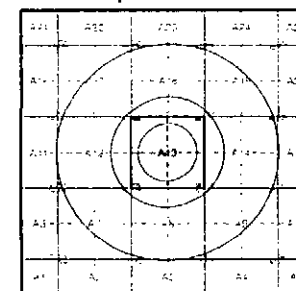
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

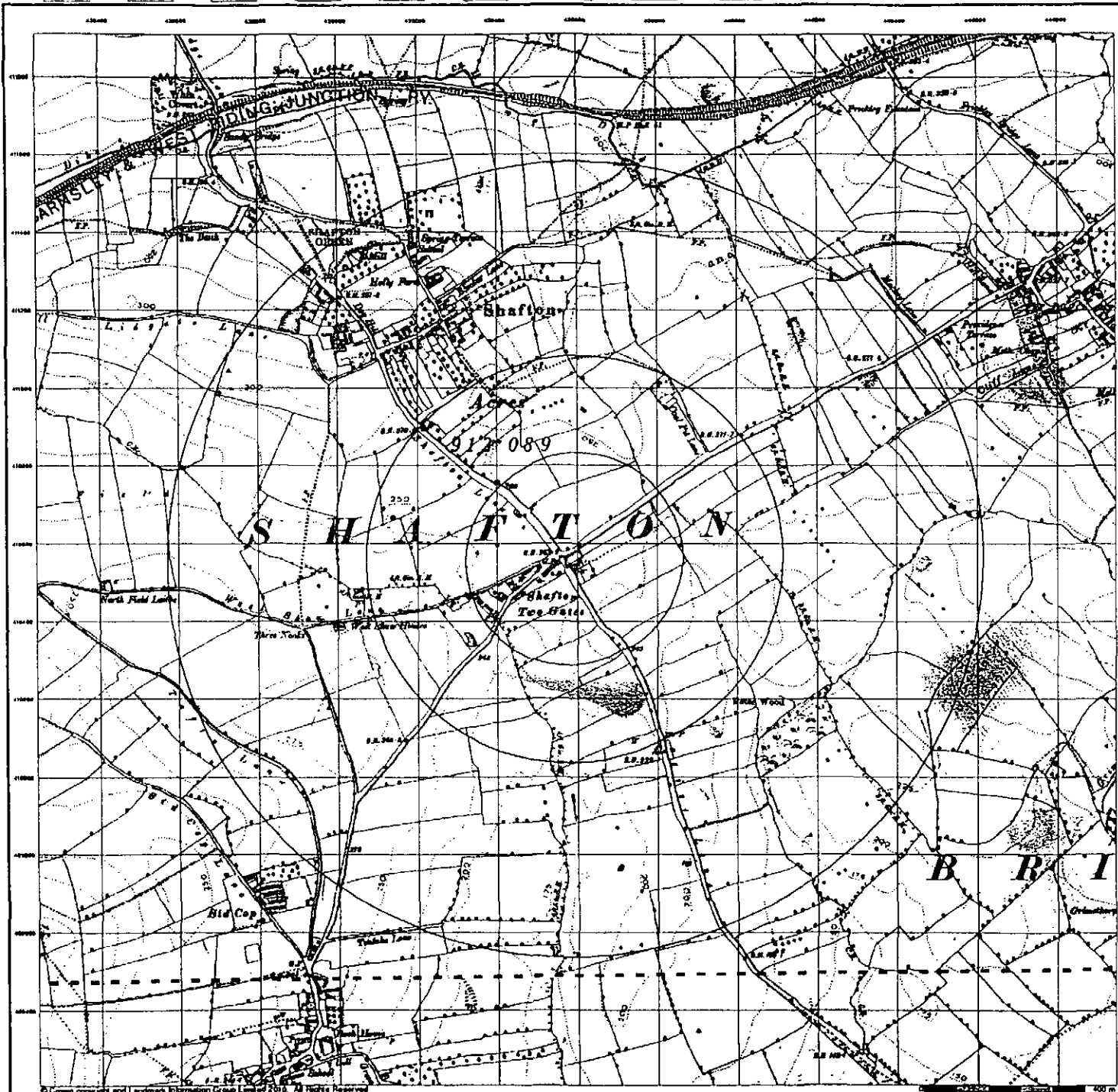
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 Customer Ref: 10075
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 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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 Web: www.envirocheck.co.uk



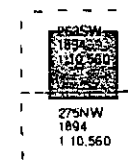
Yorkshire

Published 1894

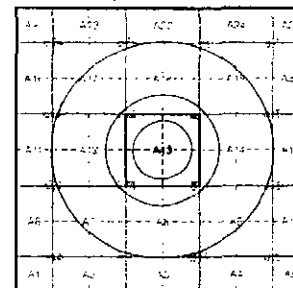
Source map scale - 1:10,560

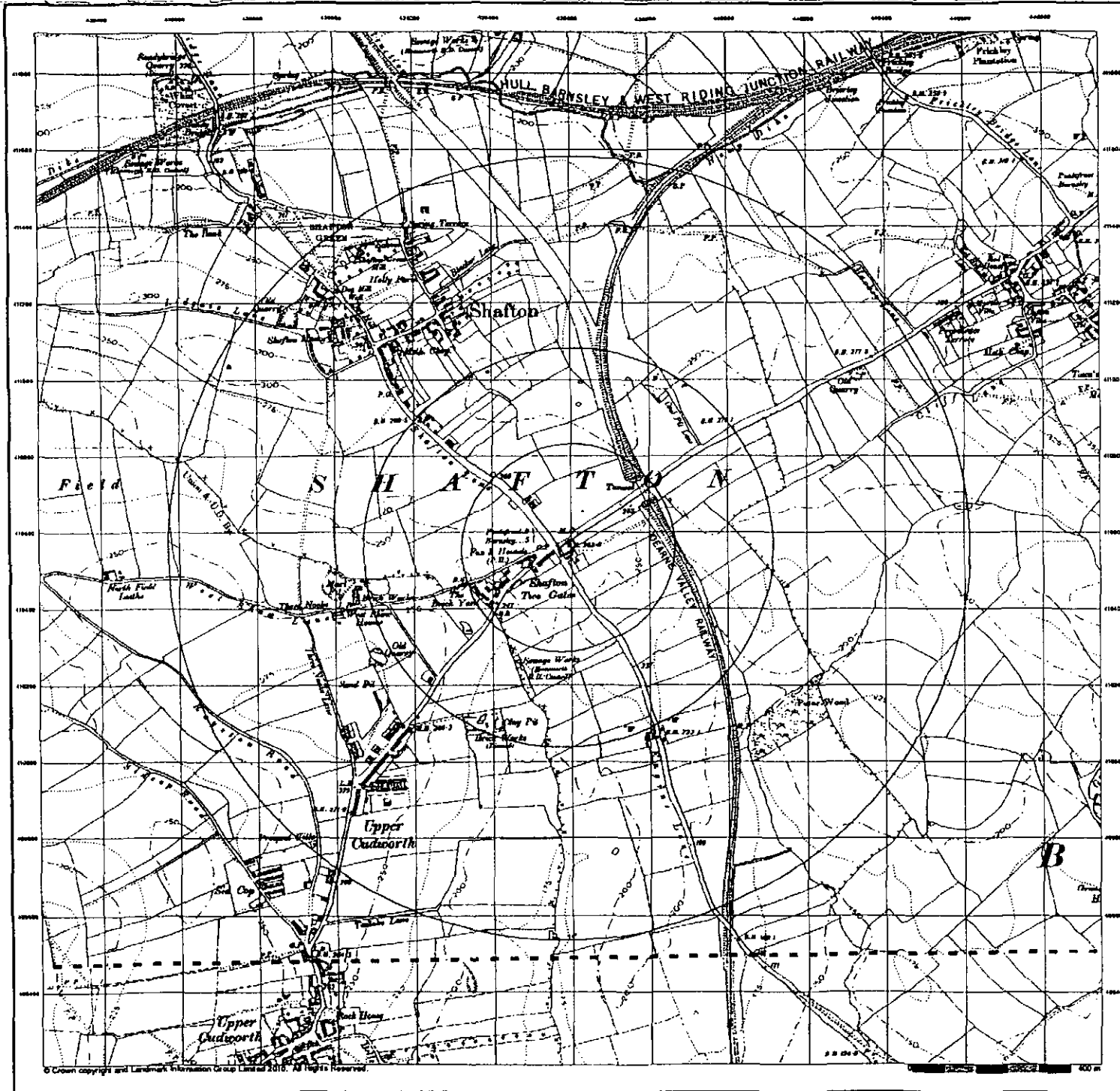
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840 s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data given therefore is often some years later than the surveyed date. Before 1836, 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 1840 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





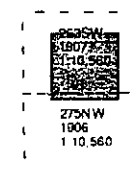
Yorkshire

Published 1906 - 1907

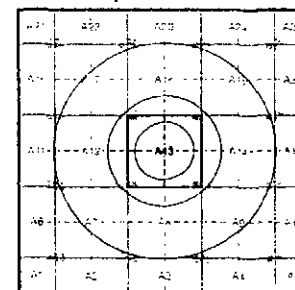
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the National Library of Scotland. The first OS map of the area was published for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 map was used as the basis for mapping urban areas, these maps were then updated to a 1:10,560 scale in 1890. The maps were then updated every 10 years or more until the surveyed data. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

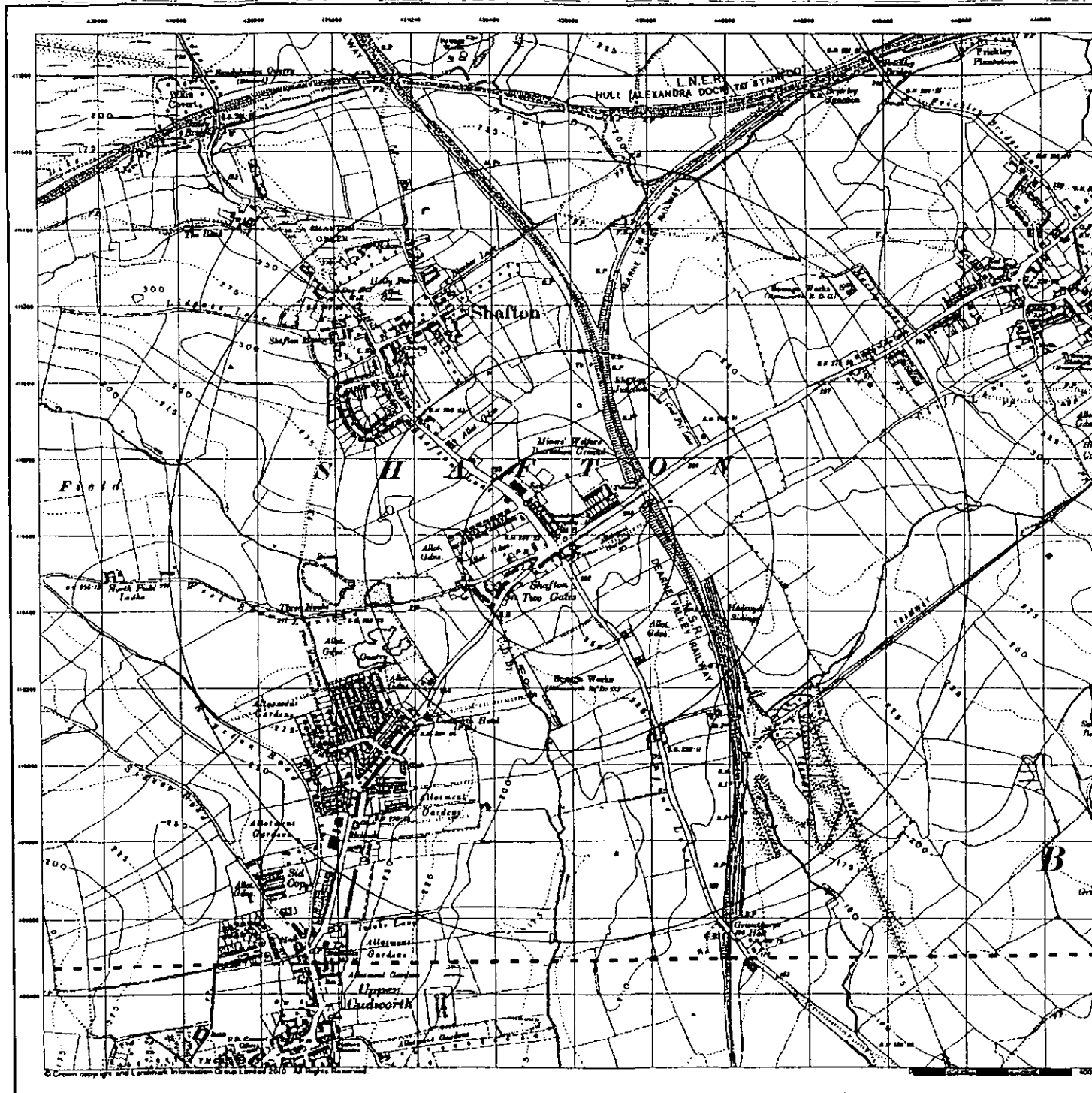
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Customer Ref: 10075
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Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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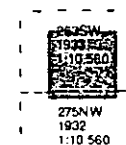
Yorkshire

Published 1932 - 1933

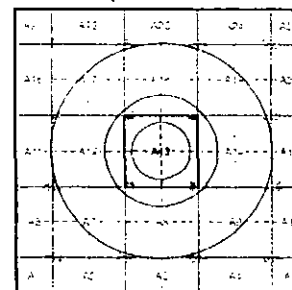
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840s. 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 1940s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

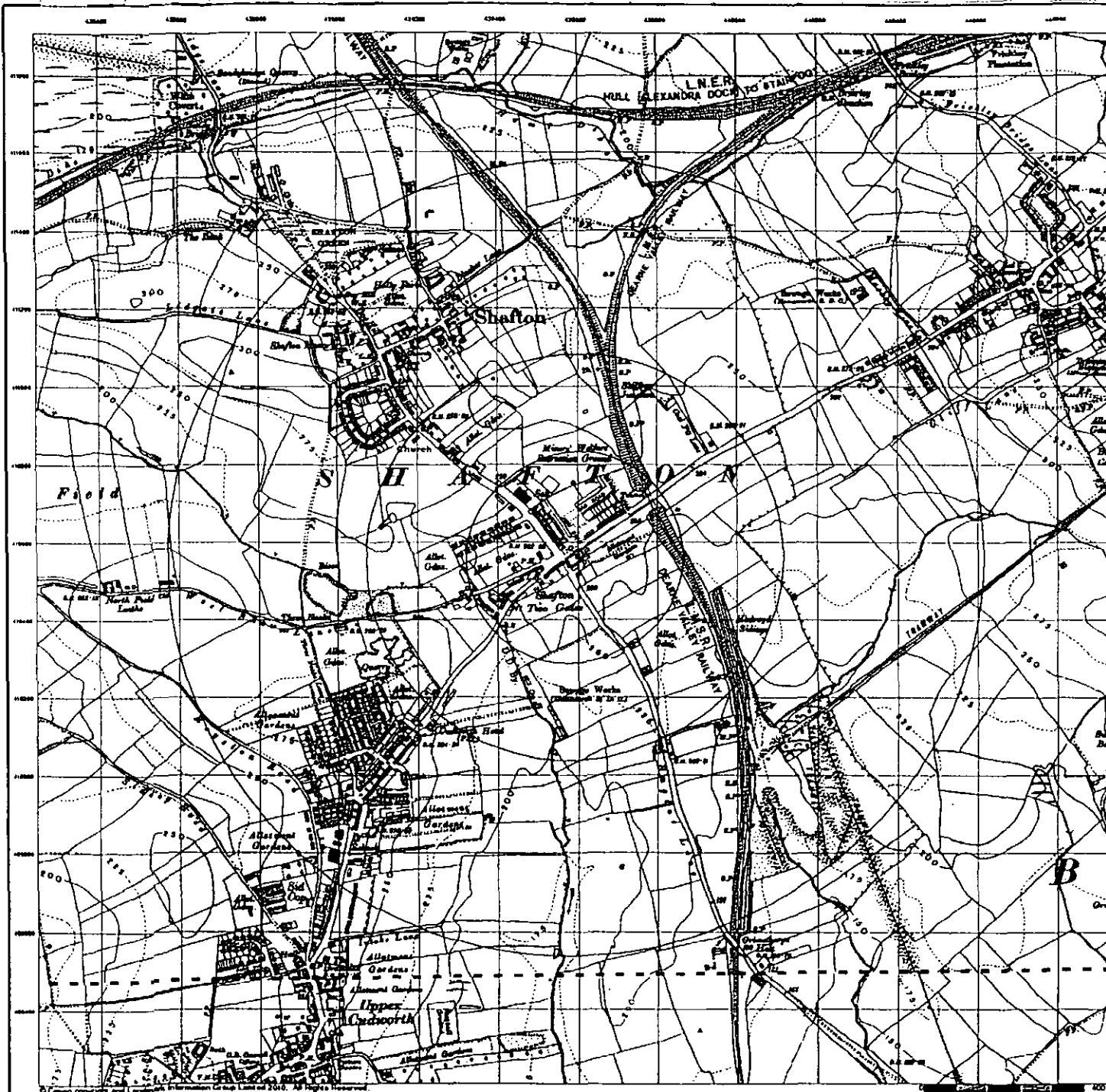
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Customer Ref: 10075
National Grid Reference: 439590, 410580
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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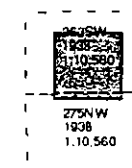
Yorkshire

Published 1938

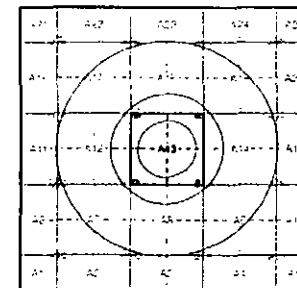
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were updated to the 1:10,000 scale. The published maps were then revised 10 to 20 years later, then the Ordnance Survey. Before 1836, 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 1840's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

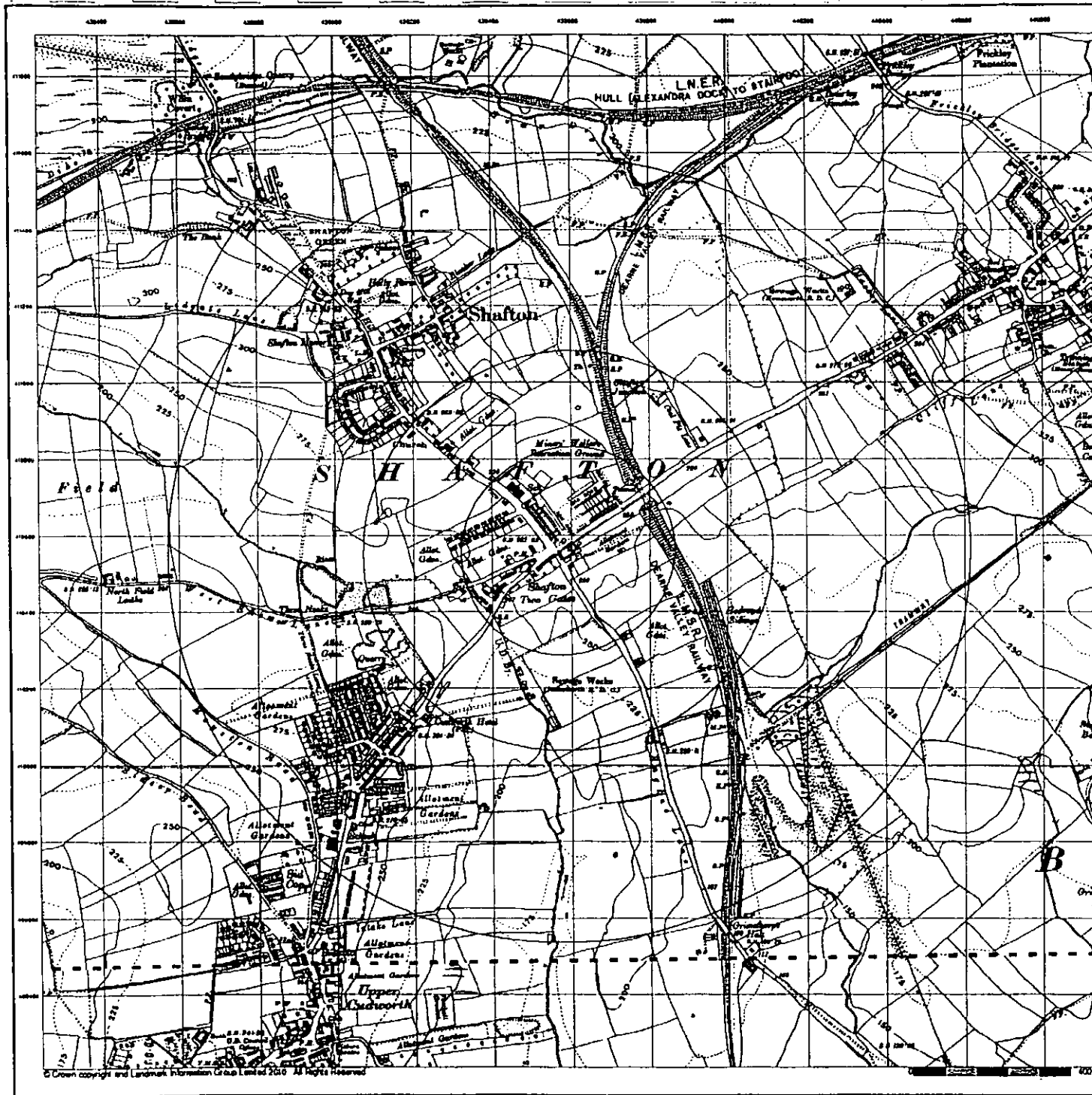
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Customer Ref: 10075
National Grid Reference: 439590, 410560
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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Web: www.streetscene.co.uk



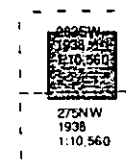
Yorkshire

Published 1938

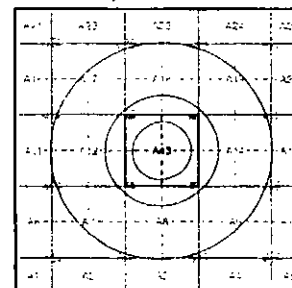
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

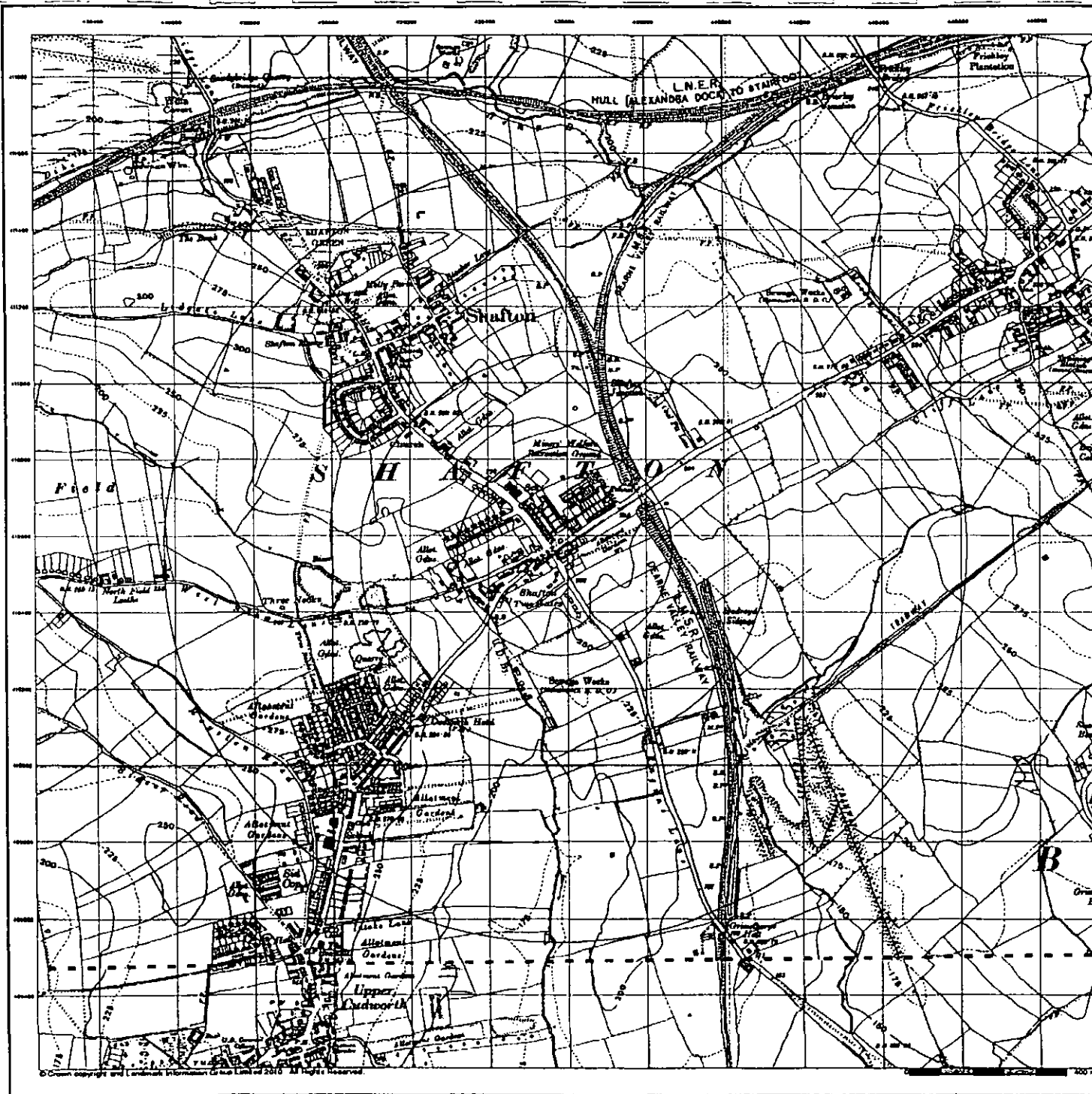
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Search Buffer (m): 1000

Site Details

Site at 439600, 410520



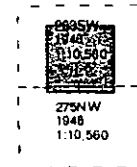
Tel: 0844 844 9892
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



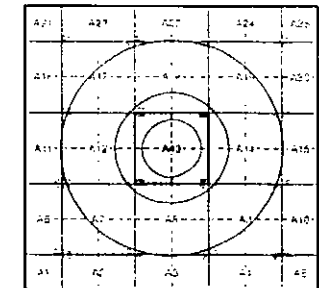
Yorkshire
Published 1948
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data given therefore is often some years later than the surveyed date. Before 1936, 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

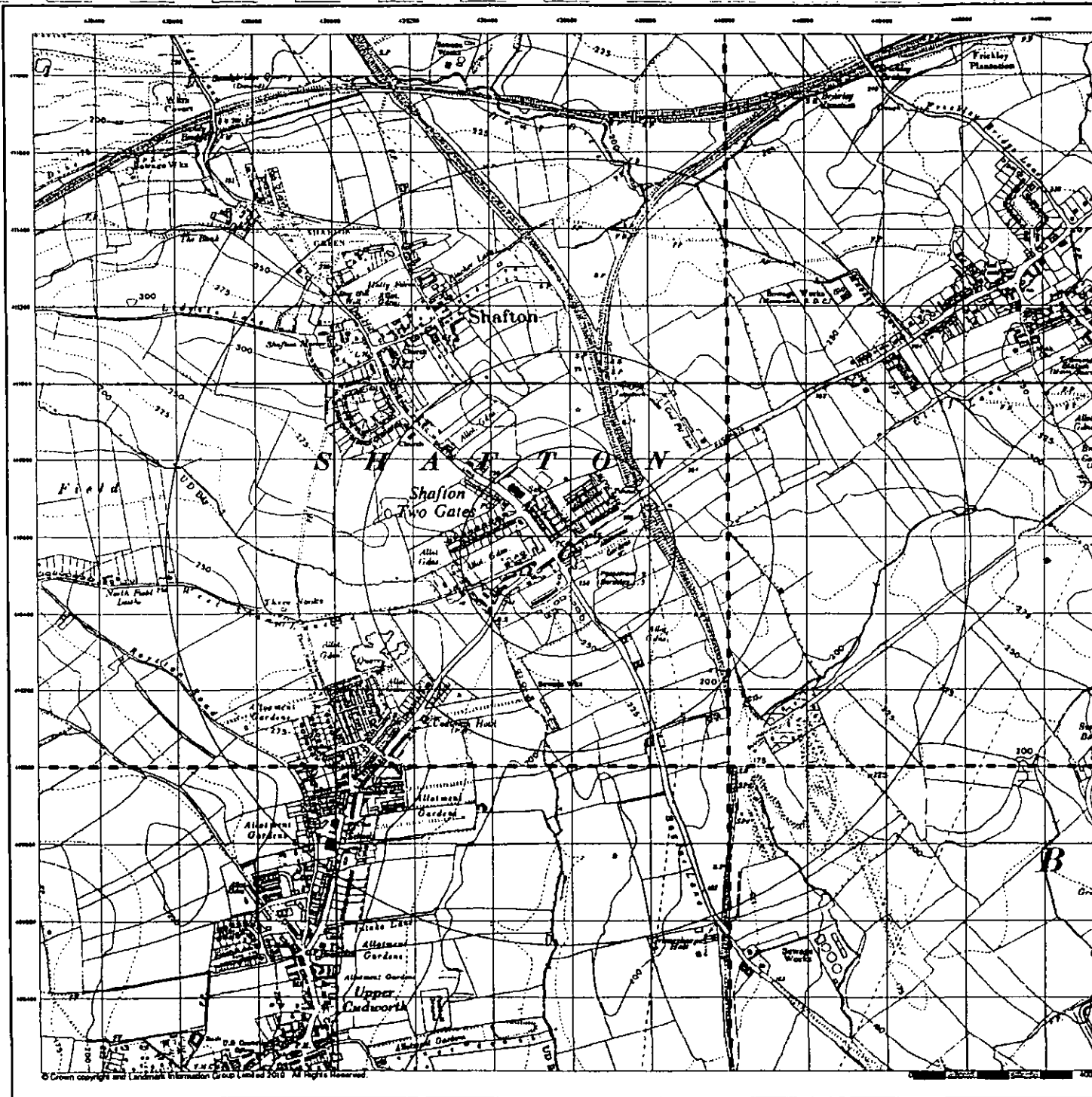
Order Number: 31599684_1_1
 Customer Ref: 10075
 National Grid Reference: 439590, 410580
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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Ordnance Survey Plan

Published 1955 - 1956

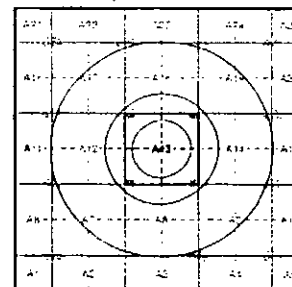
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the 1:10,000 scale were adopted for mapping urban areas, these maps were used to update the 1:10,000 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 1940s, a Provisional Edition was produced, which updated the 1:10,000 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)

SE31SE 1956 1:10,580	SE41SW 1956 1:10,580
SE30NE 1955 1:10,580	SE40NW 1955 1:10,580

Historical Map - Slice A



Order Details

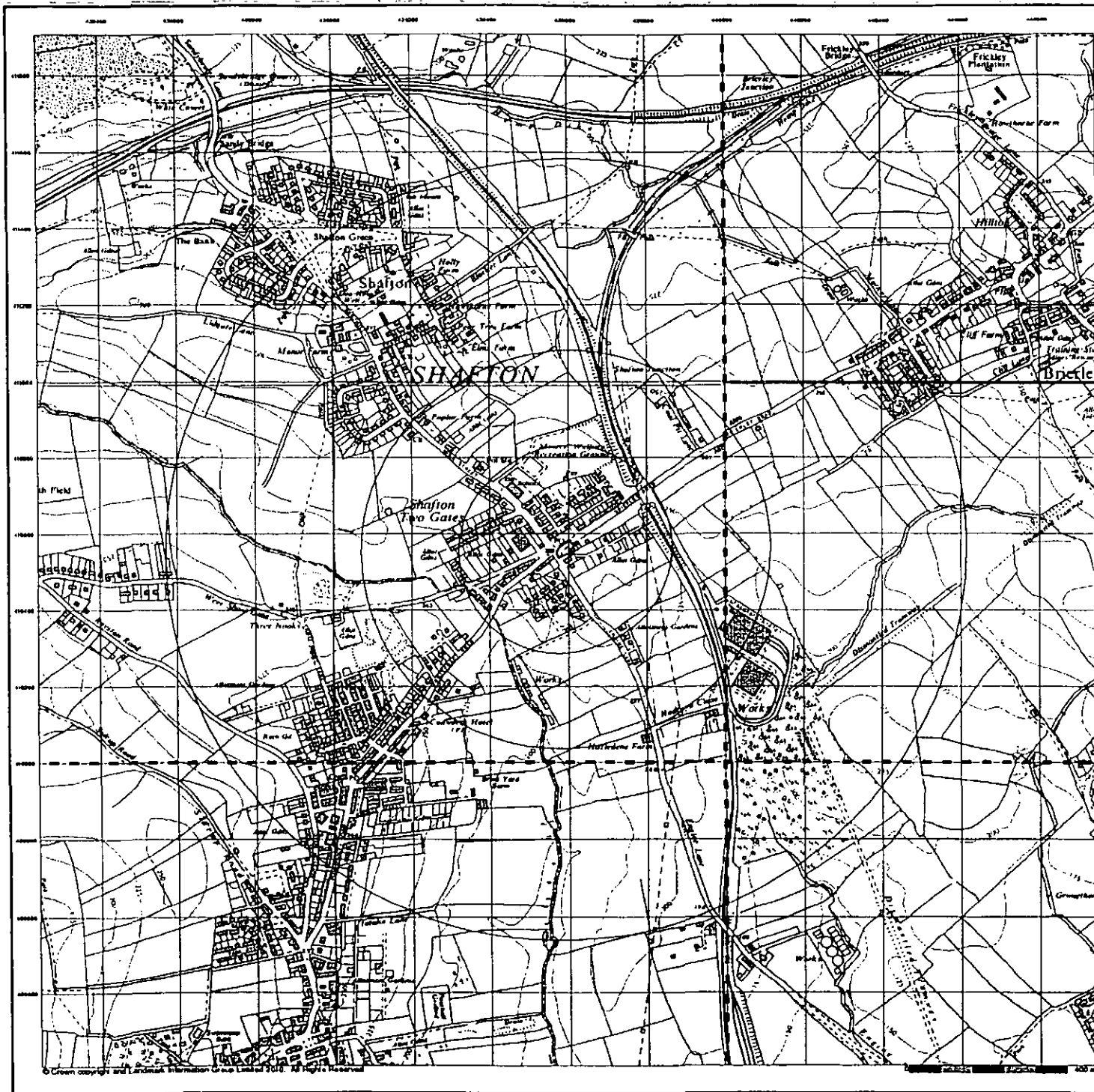
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Customer Ref: 10075
National Grid Reference: 439590, 410560
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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Ordnance Survey Plan

Published 1966 - 1967

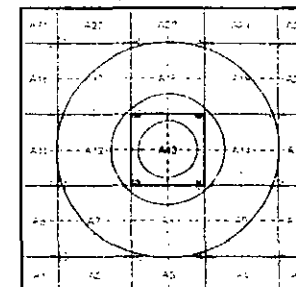
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SE31 SE	SE41 SW
1966	1967
1:10,560	1:10,560
SE30 NE	SE40 NW
1966	1967
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 31599684_1_1
Customer Ref: 10075
National Grid Reference: 439590, 410560
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan
Published 1981 - 1984

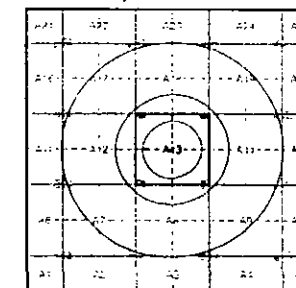
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840 s. In 1854 the 1:2,500 scale was adopted for mapping urban areas, these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1835, 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 1840 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)

SE31SE	SE41SW
1981	1984
1:10,000	1:10,000
SE30NE	SE40NW
1984	1983
1:10,000	1:10,000

Historical Map - Slice A



Order Details

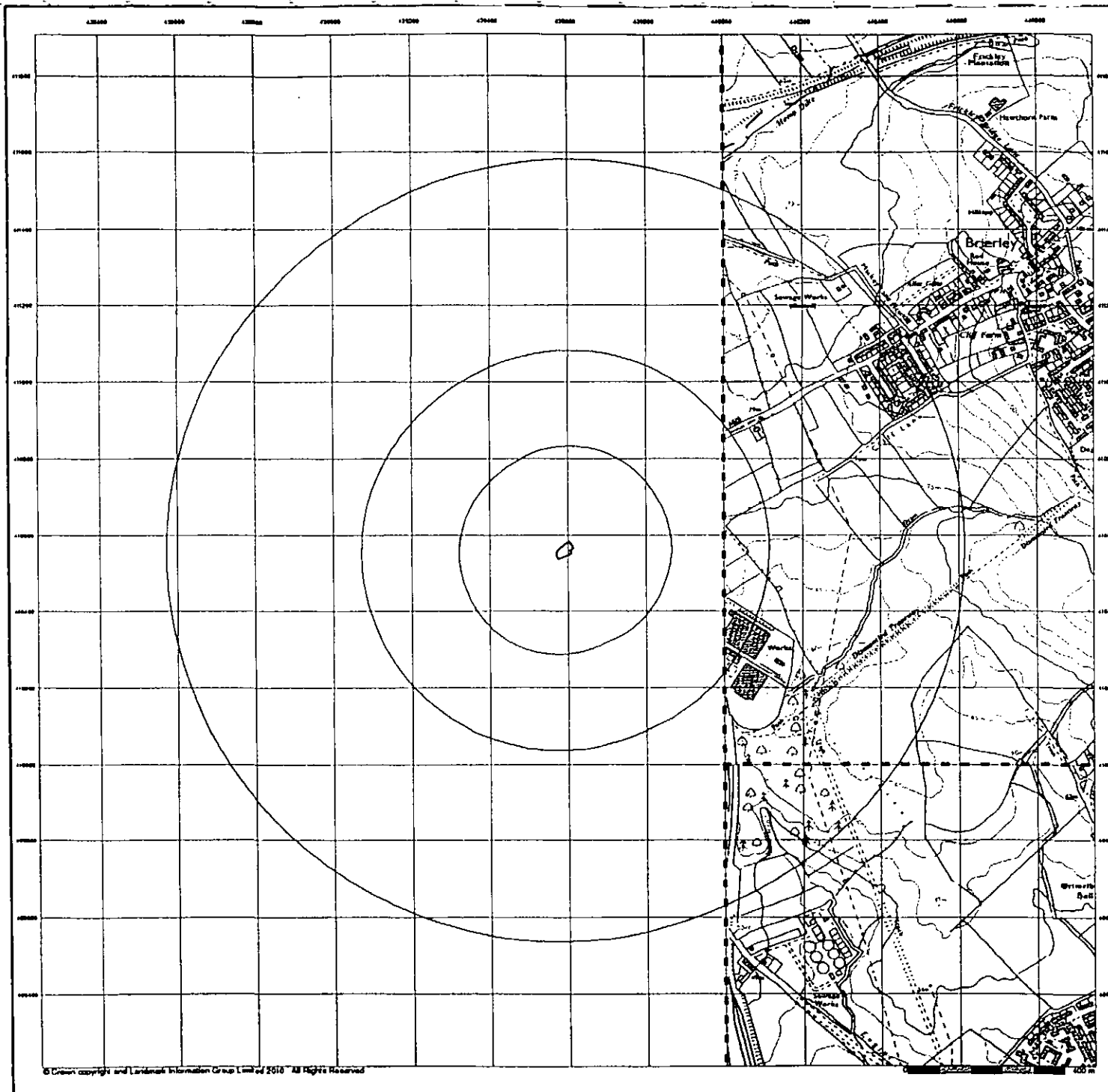
Order Number: 31599884_1_1
Customer Ref: 10075
National Grid Reference: 439590, 410560
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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Ordnance Survey Plan

Published 1989

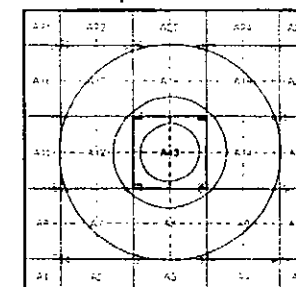
Source map scale - 1:10,000

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 1840 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 additions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SE41SW
1989
1:10,000
SE40NW
1989
1:10,000

Historical Map - Slice A



Order Details

Order Number: 31599684_1_1
Customer Ref: 10075
National Grid Reference: 439590, 410560
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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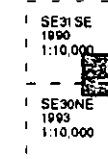
Ordnance Survey Plan

Published 1990 - 1993

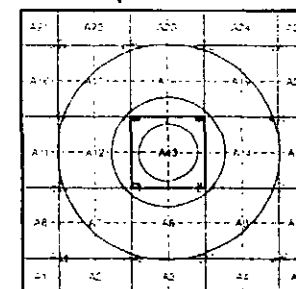
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unaltered, 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: 31599684_1_1
 Customer Ref: 10075
 National Grid Reference: 439590, 410560
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details

Site at 439600, 410520

10k Raster Mapping

Published 2000

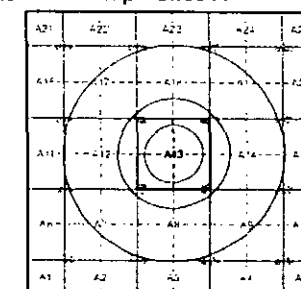
Source map scale - 1:10,000

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 depicted includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SE31SE	SE41SW
2000	2000
1:10,000	1:10,000
SE30NE	SE40NW
2000	2000
1:10,000	1:10,000

Historical Map - Slice A

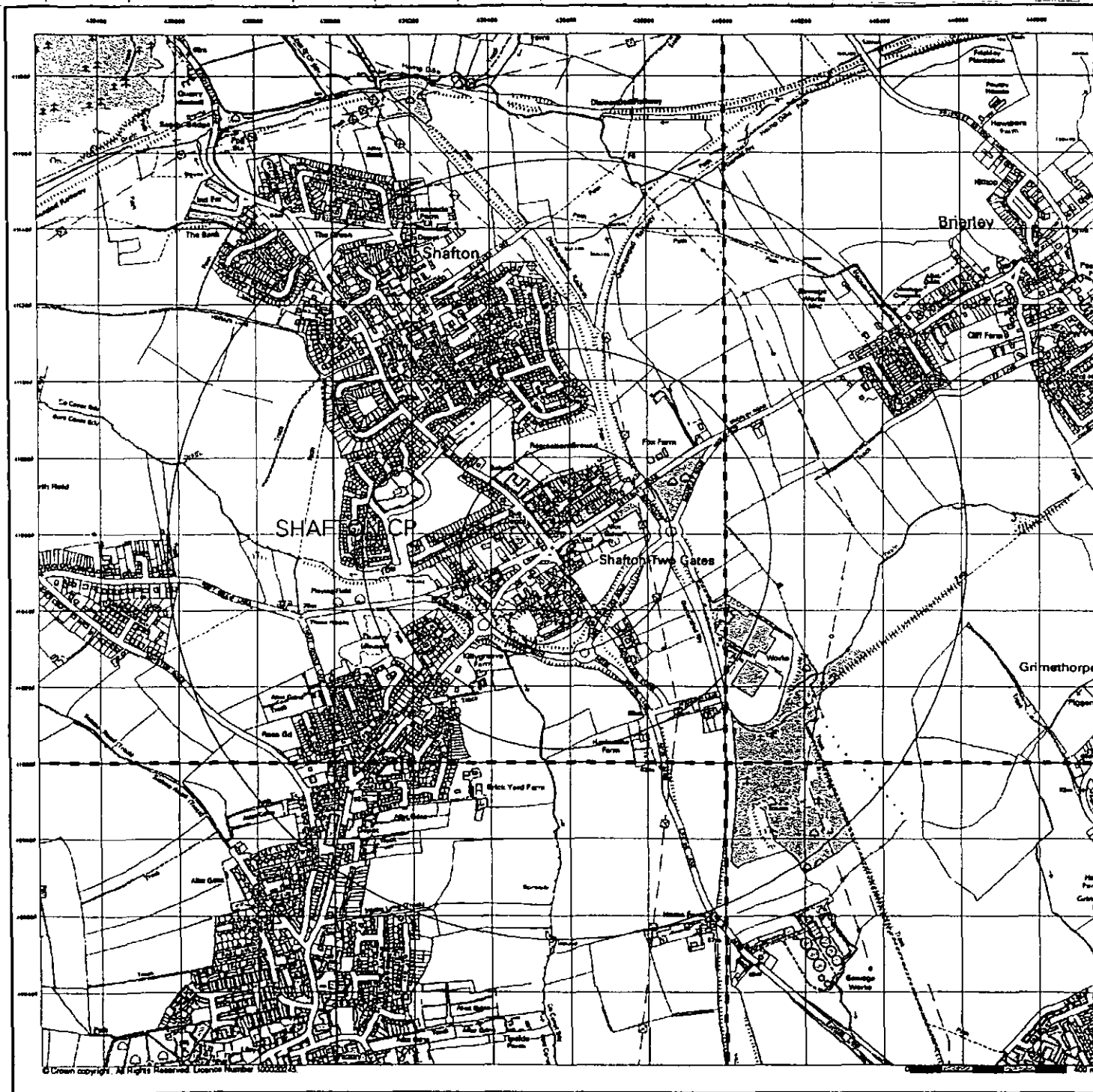


Order Details

Order Number: 31599684_1_1
 Customer Ref: 10075
 National Grid Reference: 439590, 410560
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details

Site at 439600, 410520



10k Raster Mapping

Published 2006

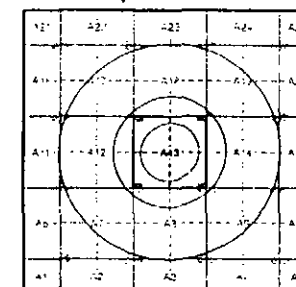
Source map scale - 1:10,000

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)

SE31SE 2006 1:10,000	SE41SW 2006 1:10,000
SE30NE 2006 1:10,000	SE40NW 2006 1:10,000

Historical Map - Slice A



Order Details

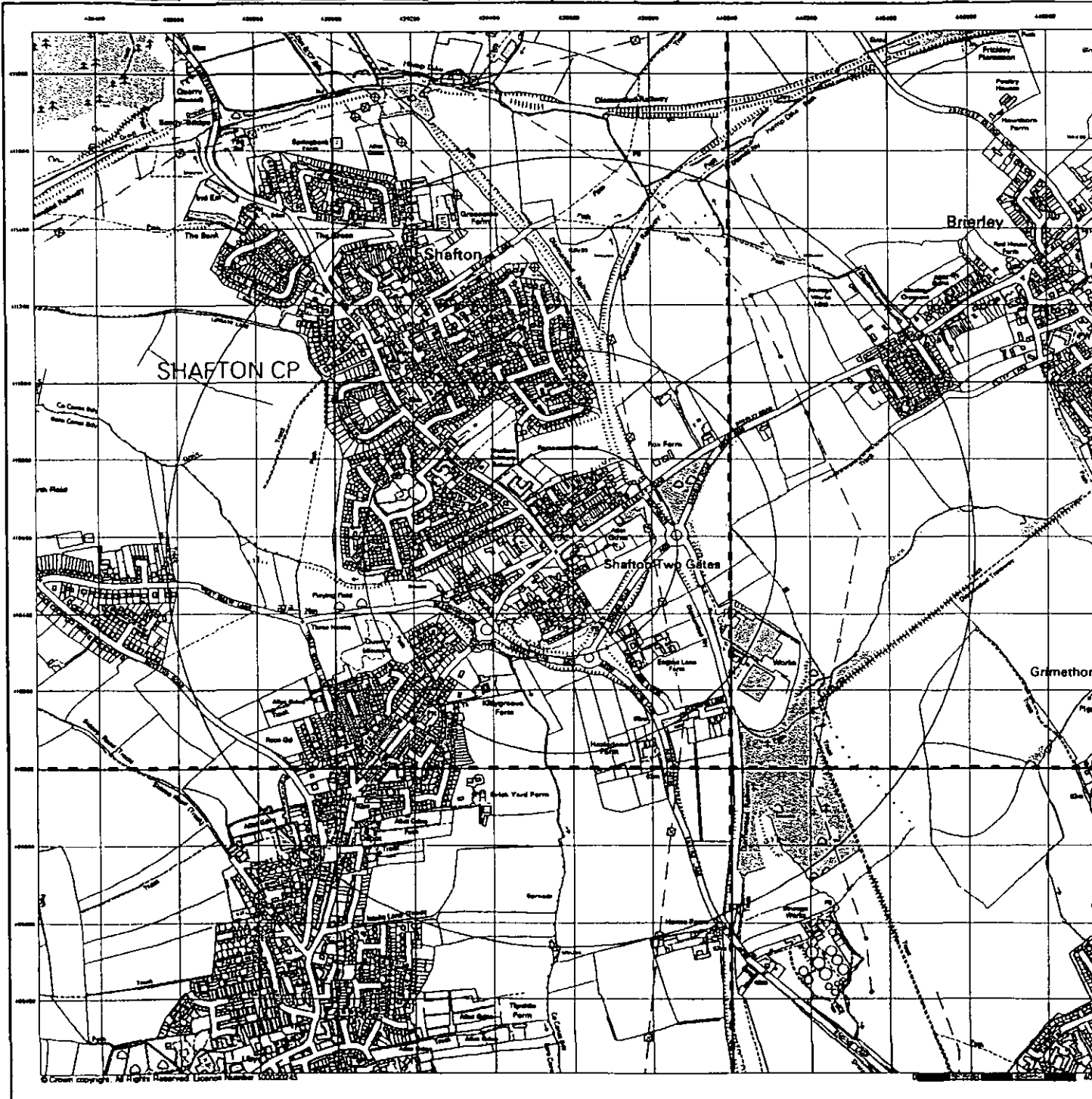
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Customer Ref: 10075
National Grid Reference: 439590, 410560
Slice: A
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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10k Raster Mapping

Published 2010

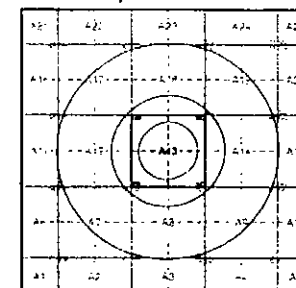
Source map scale - 1:10,000

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)

SE31SE	SE41SW
2010	2010
1:10,000	1:10,000
SE30NE	SE40NW
2010	2010
1:10,000	1:10,000

Historical Map - Slice A



Order Details

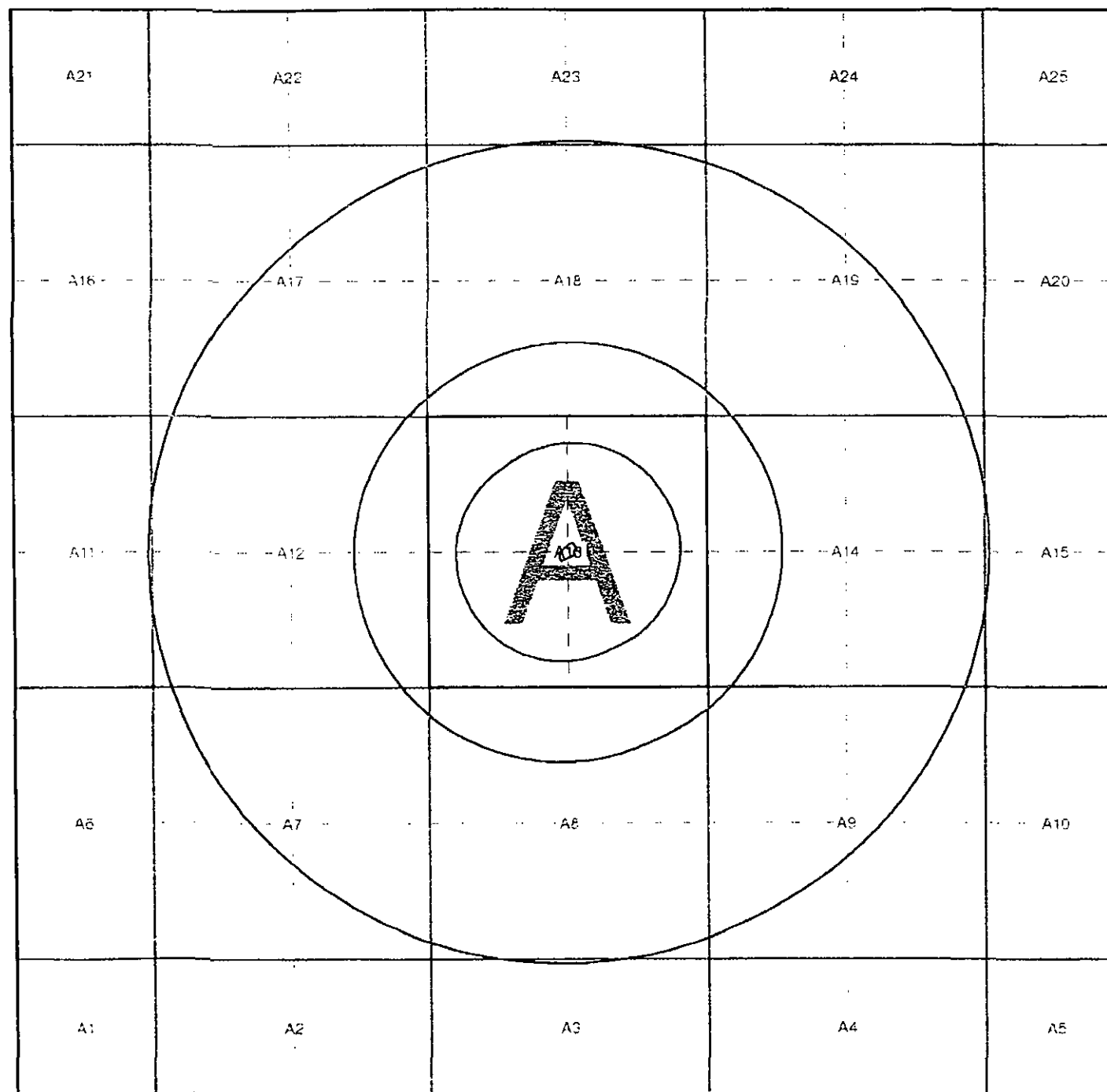
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 Customer Ref: 10075
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 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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Index Map

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

Slice

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

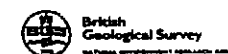
Segment

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

Quadrant

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

A selection of organisations who provide data within this report



Envirocheck reports are compiled from 136 different sources of data

Prepared For
Mr P Dennis

Client Details

S Matthews, Silkstone Environmental Ltd, 7 Hall Annex,
Thorcliffe Park, Chapeltown, Sheffield, S35 2PH

Order Details

Order Number: 31599684_1_1
Customer Ref: 10075
National Grid Reference: 439590, 410560
Site Area (Ha): 0.11
Search Buffer (m): 1000

Site Details

Site at 439600, 410520



Tel: 0844 844 8852
Fax: 0844 844 8851
Web: www.envirocheck.co.uk

General

- Specified Site ○ Specified Buffer(s) X Bearing Reference Point Map D
- Service at Type of Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice
- 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
- Pollution Incident to Contaminated Waters
- ▼ Prosecution Pending to Authorised Processes
- ◆ Prosecution Pending to Controlled Waters
- ▲ Regulated Radioactive Substance
- ~ River Network or Water Feature
- ◆ River Quality Sampling Point
- Substantiated Pollution Incident Register
- ◆ Water Abstraction
- ◆ Water Industry Act Return

Waste

- ▼ BOS Recorded Landfill Site (Location)
- ▼ BOS Recorded Landfill Site
- ◆ EA Historic Landfill (Buried Waste)
- ◆ EA Historic Landfill (Active)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill)
- 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 (Post Burial to Min)
- Registered Landfill Site (Post Burial to Min)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Transfer or Disposal Site (Location)
- Registered Waste Transfer or Disposal Site

Geological

- ▼ BOS Recorded Mineral Site

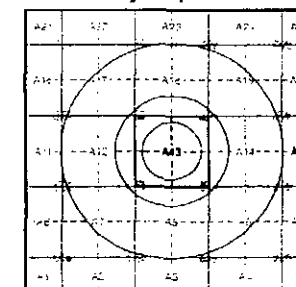
Industrial Land Use

- ★ Contemporary Trade Directory Entry
- ★ Fuel Station Entry

Hazardous Substances

- ◆ COMAH Site
- ◆ Explosive Site
- ◆ HSE Site
- ◆ Planning Hazardous Substance Consent
- ◆ Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A

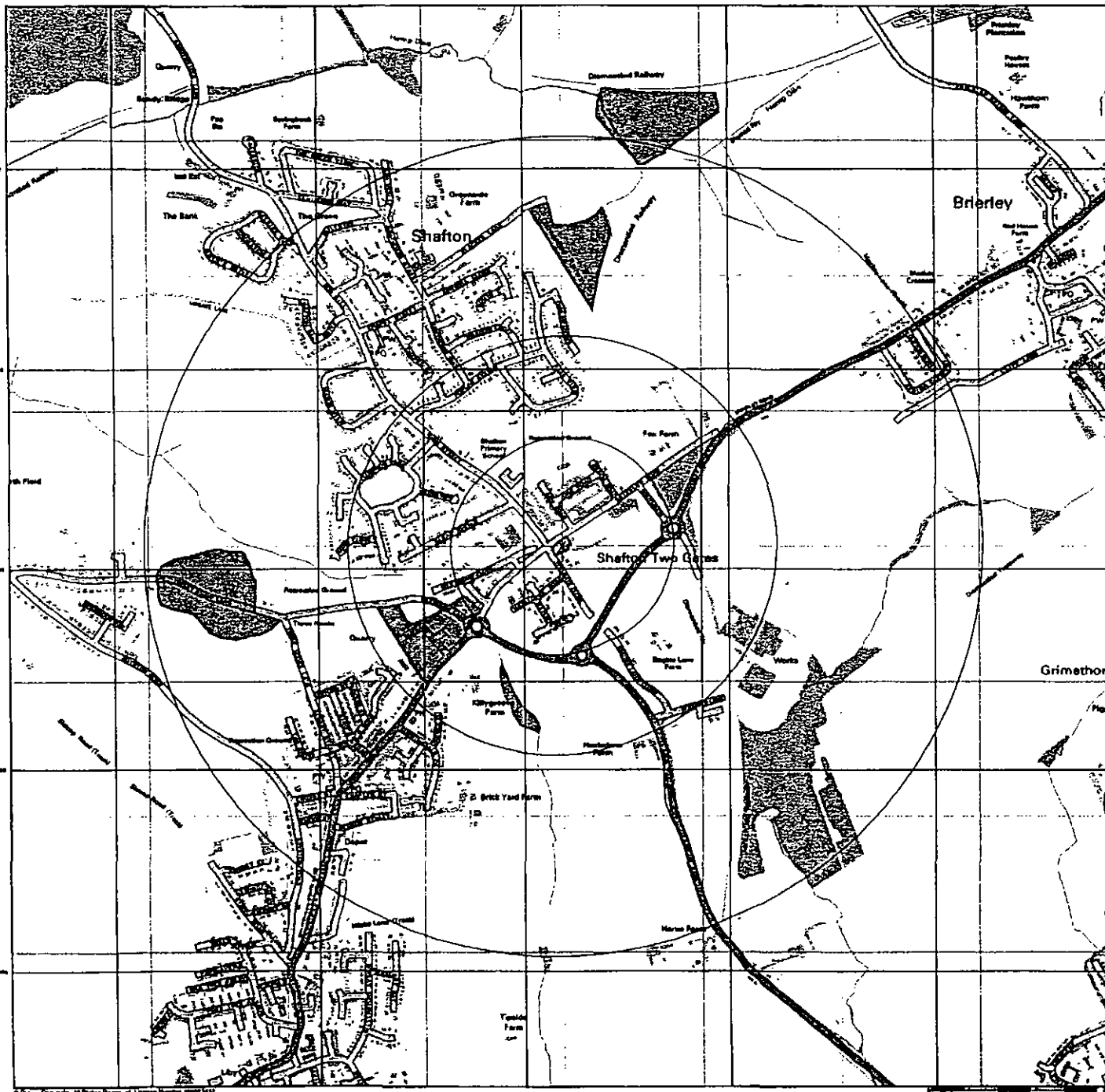


Order Details

Order Number: 31599684_1_1
 Customer Ref: 10075
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 Slice: A
 Site Area (Ha): 0.11
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Site Details

Site at 439600, 410520



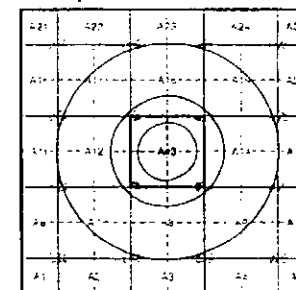
General

- Specified Site
- Specified Buffer(s)
- X 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

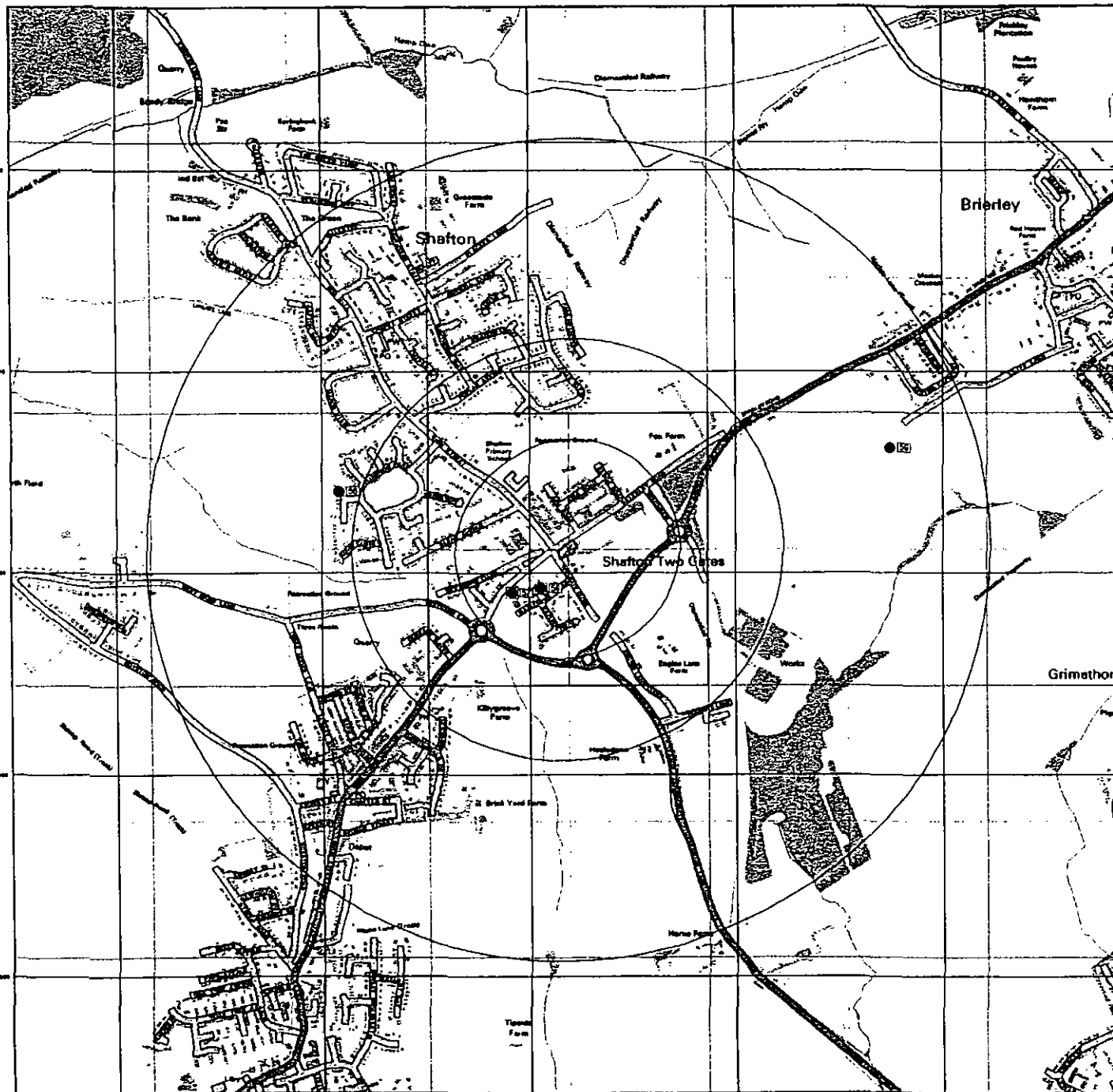
Order Number: 31599684_1_1
 Customer Ref: 10075
 National Grid Reference: 439590, 410560
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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



General

- Specified Site
- Specified Buffer(s)
- X Boring Reference Point
- Map ID
- Source of Type of Location

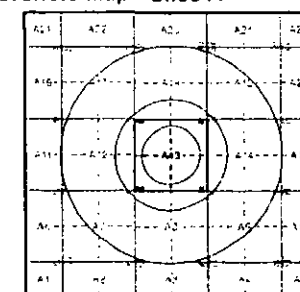
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confirmed
- 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

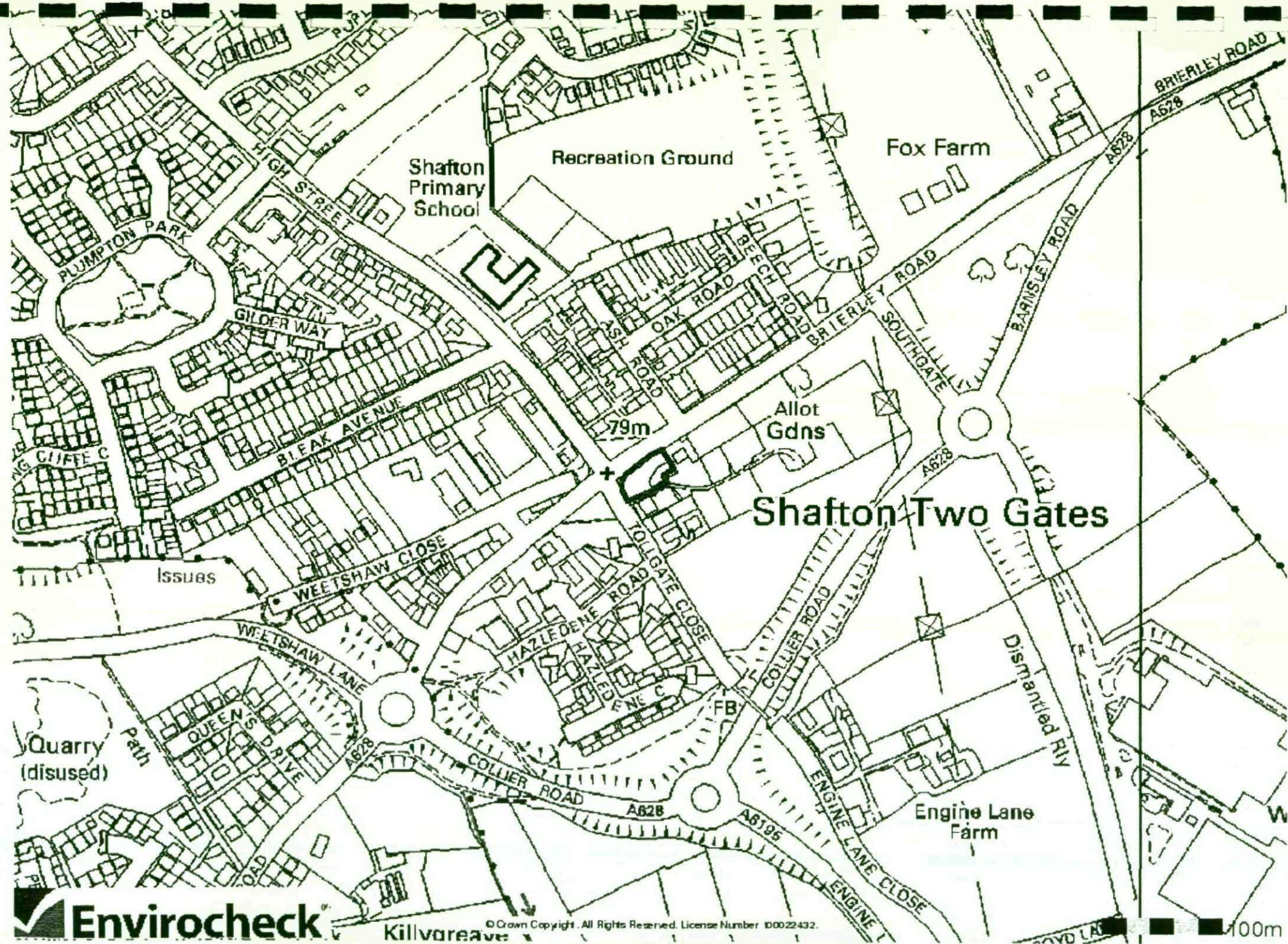
Order Number: 31599684_1_1
 Customer Ref: 10075
 National Grid Reference: 439590, 410560
 Slice: A
 Site Area (Ha): 0.11
 Search Buffer (m): 1000

Site Details

Site at 439600, 410520



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



APPENDIX 2: COAL AUTHORITY REPORT

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

Person dealing with this matter: **Darren Moody**
Our reference: **00026752-10**
Your reference: **31599684**
Electronic Ref: **EME_00014021000001_005**
RRUID: **005.00014021000001**
Date of your enquiry: **18 June 2010**
Date we received your enquiry: **18 June 2010**
Date of issue: **21 June 2010**

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

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

Coal and Brine Report

Site On Corner Of, Tollgate Close And Brierley Road, Shafton Two Gates, Barnsley, 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 7 seams of coal at 360m to 820m depth, and last worked in 1992.

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

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.

All rights reserved. You must not reproduce, store or transmit any part of this document unless you have our written permission.

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.

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 1 January 1984. 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, 1987.

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.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional remarks

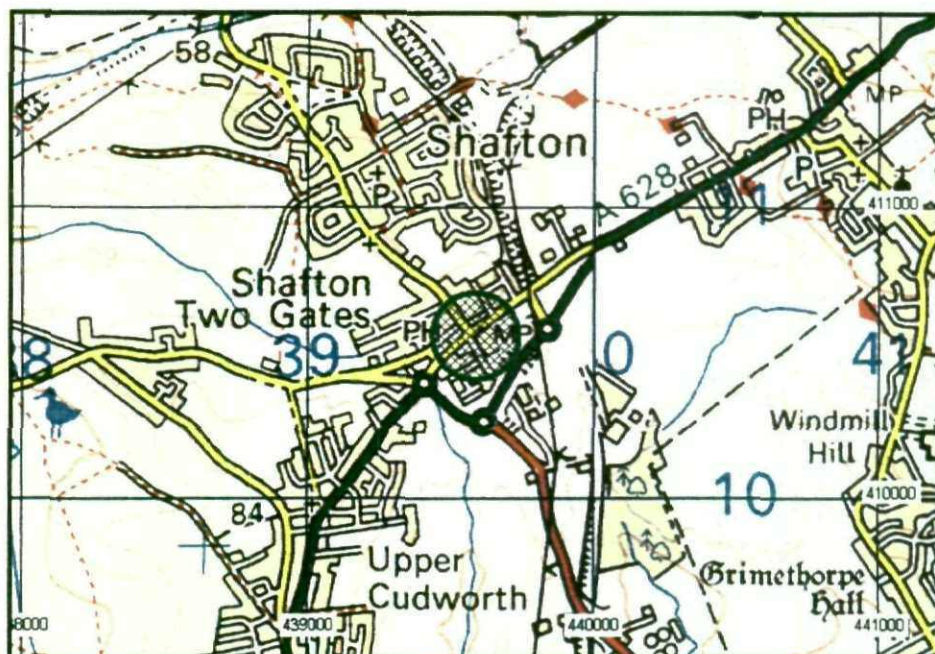
This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The report is compliant with Home Information Pack requirements.

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Location map



Approximate
position
of property

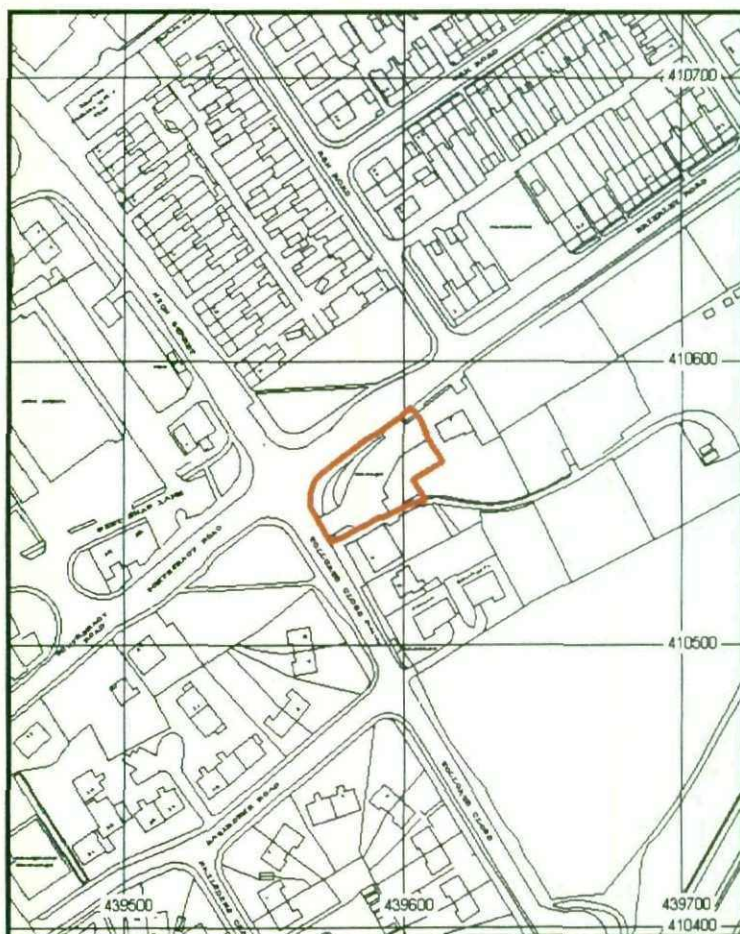


Enquiry boundary

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Key

Approximate position of enquiry boundary shown



APPENDIX 3: PHOTOGRAPHIC RECORDS

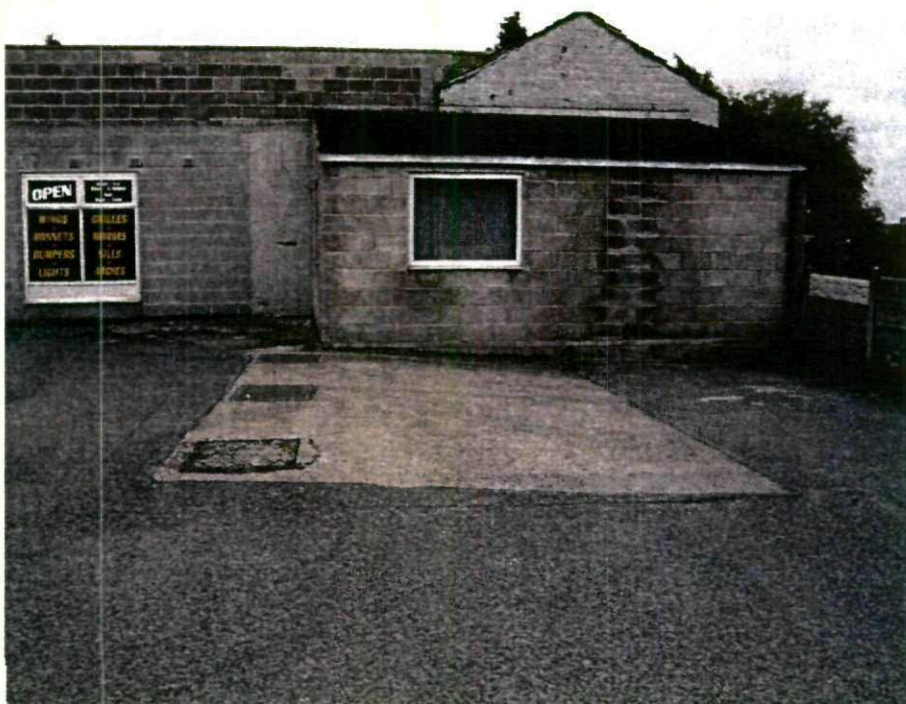
1. General View.



2. Infilled Inspection Pit in Main Building.



3. Former Fuel Tank Area (1)



4. Former Fuel Tank Area (2)

