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site investigation • building pathology

PROJECT REFERENCE: 17.9382

January 2017

PHASE 1: ENVIRONMENTAL RISK ASSESSMENT

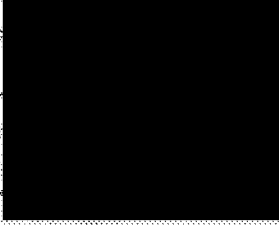
The Dairy Buildings,
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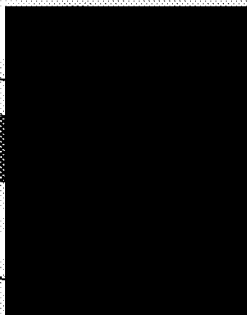
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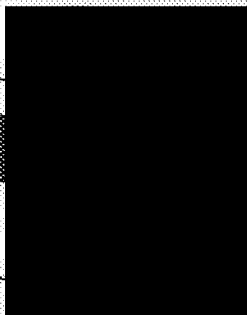
RJCA Chartered Architects

CONSTRUCTIVE EVALUATION
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Trading Terms

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This report is written in the context of an agreed scope of work between Constructive Evaluation Limited and the Client and should not be used in a different context. In light of additional information becoming available, improved practices and changes in legislation amendment or re-interpretation of the report in whole or part may be necessary after its original submission.

Professional Interpretation

The recommendations made and opinions expressed in the report are based on the conditions revealed by the site works together with an assessment of the data from the in situ and laboratory testing or in respect of the desktop reports. No responsibility can be accepted for conditions that have not been revealed by the research, site works and testing.

The Client is advised that the conditions observed on site by Constructive Evaluation Limited at the time of any site survey may be subject to change. Certain indicators of the presence of hazardous substances may have been latent at the time of the most recent site reconnaissance and they may subsequently have become evident. It is not possible to assess areas which are inaccessible or where access is not granted and CE accept no liability for risks subsequently identified therein.

The conceptual model, Risk assessment and sampling regime has been formulated in accordance with current UK guidance at time of production based upon the relevant information gained from Phase 1 and Phase 2 investigations. While the model and assessment offer opinions and interpretations of these guidelines, the comments made are for guidance only and no liability can be accepted for their accuracy. It is possible that aspects of desktop study may need to be altered to conform to the requirements of the statutory regulatory bodies.

Intrusive Field Operations

The data collected through direct operations in the production of this report has been so obtained, unless directly otherwise stated, in accordance with current UK guidance, law or accepted industry practice, including but not limited to: BS.5930: 1990 Code of Practice for Site Investigations (Amendment 2: 2010), BS.10175: 2011 + A1: 2013 Investigations into Potentially Contaminated Sites. Exact exploratory locations will depend upon access conditions, site use and plant capability, CE do not accept liability for issues arising from material identified between or outside of the area of exploratory locations.

Laboratory Testing

Unless stated otherwise within the text, all geotechnical and material laboratory tests have been performed in accordance with the relevant British Standard Documents. Laboratory testing for contaminated land assessment is completed under the UKAS / MCERTS accreditation schemes, unless identified as otherwise in the report.

Human Health Risk Assessment Criteria

The Environment Agency has recently undertaken revision of the Soil Guideline Values (SGVs) which are partially complete. Where standards are available using the "new" approach, these have been utilised for comparative purposes. Where standards have not yet been revised, guidance following the "old" approach has been utilised. Please note that upon release of the remaining guidelines, the standards contained within this report may be subject to change. In addition, the second edition of the LQM CLEH guidance has now been released and will be utilised in favour of previously published guideline values.

Third Parties

The findings and opinions conveyed in this report are based on information obtained from a variety of sources, including that from previous Site Investigations and chemical testing laboratories. Constructive Evaluation Limited has assumed that such information is correct. Constructive Evaluation Limited cannot and does not guarantee the authenticity or reliability of the information it has relied upon and can accept no responsibility for inaccuracies with the data supplied by other parties.

The accuracy of the historical map extracts supplied cannot be guaranteed and it should be noted that different conditions may have existed between mapping sheet editions. Therefore, there can be no certainty that all areas of contamination have been identified during the Phase 1 investigation.

Definitions

Reference to the word "contamination" in this report does not relate to the statutory definition of contaminated land under 1990 Environmental Protection Act unless otherwise stated. The definition used in this report is: "Land that contains substances that, when present in sufficient quantities or concentrations, are likely to cause harm, directly or indirectly, to man, to the environment, or on occasion to other targets" (NATO CCMS, 1985).

CE Ltd 2014

1.0 INTRODUCTION

Constructive Evaluation Ltd (CE) were instructed by RJCA Chartered Architects (the Architect) on behalf of Melanie Jenkins Farming Ltd (the Client) to carry out a 'Phase 1: Environmental Risk Assessment' (EQ11554, dated: January 2017) at the Dairy Buildings, Sack Lane, Aldingbourne, West Sussex, PO22 9PE (hereafter referred to as the "site").

The site consists of a barn used for storing agricultural machinery, milking equipment and for keeping cattle. Surrounding the barn are areas of hard standing, a slurry tank, associated pipe work and a stockpile of crushed concrete.

Proposals include the demolition of existing barns and structures and the construction of 3no. live/work units with associated gardens and parking within the northern half of site. The southern half of site is to be created into a new area of pasture land.

Existing site plans and proposed site plans can be viewed in Appendix A.

On behalf of the Client, the Architect instructed CE to undertake a Phase 1: Environmental Risk Assessment to enable determination of the potential source – pathway – receptor linkages associated with the site and the surrounding environs in the current and historical context. This aids in the formulation of a suitable targeted Site Investigation in the future.

The purpose of this Environmental Risk Assessment was to provide information on:

- The expected geology and hydrogeology;
- The development history and most recent uses of the site;
- Potential sources of contamination; and,
- To enable the development of a Preliminary Conceptual Site Model (CSM) and risk assessment.

This report presents assessment of historical Ordnance Survey maps and published geological and hydrogeological maps, as well as information from various sources such as Envirocheck.

The report has been formulated in accordance with BS10175:2011:2013+A1 *Investigations into Potentially Contaminated Sites – Code of Practice* and CLR11 – *Model Procedures for the Management of Land Contamination*, and from Planning Policy Statement (PPS) 23 – *Planning & Pollution Control*.

2.0 PHYSICAL SETTING

The following observations are taken from the Envirocheck Report (**Appendix B**) and the British Geological Survey (BGS).

The site is located on National Grid Reference (NGR) 494550, 102370 with an area of approximately 0.30 hectares (Ha).

2.1 Geology and Hydrogeology

The Geology of Britain Viewer (BGS, 2017) indicates the site is underlain by Superficial Deposits of River Terrace Deposits (undifferentiated) over Bedrock Geology of the White Chalk Subgroup

(Upper Chalk). The table below identifies the expected composition of the published strata and the associated aquifer classification.

Superficial Deposits	
Unit Name	River Terrace Deposits (undifferentiated).
Geology Description	Sand and gravel, locally with lenses of silt, clay or peat (generic description).
Aquifer Class	Secondary (A) Aquifer.
Aquifer Description	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.
Bedrock / Solid Geology	
Unit Name	White Chalk Subgroup – Upper chalk.
Geology Description	Chalk with flints, with discrete marl seams, nodular chalk, sponge-rich and flint seams throughout.
Aquifer Class	Principal Aquifer.
Aquifer Description	Layers of rock or drift deposits that have high intergranular and/or fracture permeability – meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale.

2.1.1 Historical Boreholes

Following review of a historical borehole (Ref: SU90SW53, approximately 250m north of the site), the underlying chalk is expected at a depth of approximately 6.00m below ground level (mbgl). Groundwater was not encountered during the sinking of this borehole.

2.1.2 Geological Hazards

The BGS has provided the available published Geological Hazard directory information for the study site. The information returned is displayed in the table below.

Process	Risk Level	BGS Description
Shrink swell clays.	Low.	Ground conditions predominantly medium plasticity.
Running sands.	Low.	Possibility of running sand problems after major changes in ground conditions.
Collapse Ground.	Low.	Deposits with potential to collapse when loaded and saturated are possibly present in places.
Ground dissolution of soluble rocks.	Very Low.	Soluble rocks are present but unlikely to cause problems except under exceptional conditions.
Landslides.	Very low.	Slope instability problems are unlikely to be present.
Compressible Ground.	Negligible.	No indicators for compressible deposits identified.

2.1.3 Radon

The site is in a lower probability radon area (as less than 1% of homes are estimated to be at or above the action level). As a result, it is considered that no radon protective measures are necessary in the construction of new dwellings or extensions.

2.2 Hydrology

Surface Water Features – The nearest surface water feature is located approximately 140m north east considered to be a drainage channel associated with the surrounding agricultural area. Three similar drainage channels are located within approximately 400m of the site.

BGS Groundwater Flooding Susceptibility – The site is classified as having soils with limited potential for groundwater flooding to occur. However, soils with potential for groundwater flooding of property situated below ground level have been identified approximately 60m north east of site.

Extreme Flooding from Rivers of Sea without Defences – An area approximately 70m north of the site has been identified, likely associated with the surrounding drainage channels that flow into Lidsey Rife.

2.3 Controlled Waters

Groundwater Abstraction Licences – There are five records within 2000m of the site, the closest of these is located approximately 1650m west detailed as an abstraction for direct spray irrigation; as no permit end date has been provided it is assumed that this licence is still active.

Surface Water Abstraction Licences – There are twenty one records within 2000m of the site. The closest of these are three records associated with Ashmarden Ltd, all detailed as licences for direct spray irrigation from a surface water source located approximately 500m north east; it is assumed that as no permit end date has been provided that these licence are all still active. The next closest records are two licences both associated with Hochtief UK Construction Ltd for dust suppression, both assumed to be still active and located approximately 500m south east along Lidsey Rife. The remaining records are over 850m from site.

Potable Water Abstraction Licences – There are no records within 2000m of the site.

Source Protection Zones (SPZs) – There are no SPZs within 2000m of the site.

Groundwater Vulnerability and Soil Leaching Potential – On site is classified as having soils of intermediate leaching potential – soils which can possibly transmit a wide range of pollutants.

3.0 SITE CONDITIONS

3.1 Site Description

An Environmental Scientist from CE completed a walkover survey of the site on 11th January 2017.

The site is accessed from a private track leading from Sack Lane. The site consists of a barn used for storing agricultural machinery, milking equipment and for keeping cattle. Surrounding the barn are areas of hard standing, a slurry tank, associated pipe work and a stockpile of crushed concrete.

The barn is of concrete frame with cement profile sheet cladding, presumed to be potentially asbestos containing material (ACM). The north eastern area of the barn is constructed with three rooms and accessed via doors in the north and west of the barn. The southern and eastern elevations of the barn are not clad at ground level. In the east and north-east a king post-type clamp/trap wall formed of railway sleepers is noted. The southern side of the site has metal agricultural fencing along the perimeter.

Two of the rooms in the north east of the barn appear to have previously been used as a dairy, evidenced by the presence of milking machinery/equipment. The milking machinery consisted of two rows of seven milking stations, however not all the machinery appears to be present. Between the two milking stations there is a pit in which the dairy workers are presumed to work. The third room appeared unused at the time of the walkover survey. The rest of the barn is split into pens with metal fencing and is used to house cattle. At the time of the walkover survey there were approximately 40 cows housed within the barn.

South of the barn is an industrial-sized above ground open storage tank (AST), this galvanized tank is assumed to have been used, or being used, for slurry. The tank has notable scores and holes within the top. Between the storage tank and the barn is a pool of water with pipework leading to and from it surrounded by metallic fencing. The use of this is unknown, however the water within the pool appears brown with an effluent odour and potentially associated with the slurry tank.

East of the storage tanks is an area of crushed concrete, the concrete is assumed to come from the removal of a previous on-site structures as identified in section 4.0. The crushed concrete could potentially contain ACMs, there is also noted to be utilities/services still within this area.

3.2 Surroundings

The site is set within a predominantly agricultural area with a number (approx. 5-10no.) of residential properties. Approximately 300m west of the site are industrial sized greenhouses and approximately 250m east of the site is the Bognor Regis Branch Railway Line orientated north east to south west.

Photographs relating to the observations made during the walkover can be viewed within Appendix C.

3.3 Potential Sources of Contamination – Walkover Survey

Potential Sources of Contamination Considered a Risk to the Site	
Feature	Location
Possible ACMs.	On site.
Spillages and leakages farm vehicles.	On site.
Made Ground associated with on-site slurry tank.	On site.
Biological contaminants (<i>Bacillus anthracis</i>) around slurry tank.	On site.
Pesticides and fertilisers associated with agricultural land use.	On site.

Potential Sources Not Considered Further	
Feature	Justification
Railway located approx. 250m east.	Distance from site.
Greenhouses, infrastructure and processes located approx. 300m west.	Distance from site.

4.0 SITE HISTORY AND HISTORICAL CONTAMINATIVE SOURCES

The following observations are made based on the available historical map extracts presented in Appendix B of which the most significant points have been discussed in relation to the site and surrounding environs.

Mapping Date	Observations
1876 - 1899	The earliest available maps show the site to be divided into two parts, with the majority of the site considered to be an agricultural field. The north eastern edge of the site comprises a track and a portion of what is likely to be residential curtilage associated with the neighbouring building. A well is located immediately adjacent east of the site. The surrounding area is predominantly agricultural, comprising Sack Barn (located approx. 70m east), Lidsey Lodge (located approx. 250m north west), Lidsey Farm (located approx. 750m north west) and what is assumed to be agricultural fields. London-Brighton & South Coast Railway is located approximately 250m east from site.
1912 - 1914	The site and surrounds remain relatively unchanged.
1938 - 1962	The site remains unchanged. During this period there has been some development along Shripney Road, located approximately 750m west, assumed to be residential dwellings. A Nursery is present from 1951 onwards located approximately 300m west. The remaining surrounds are relatively unchanged. Limited 1:2,500 map sheets and information for the site and immediate surrounds.
1974 - 1980	There is now a rectangular building on site, considered to be a farm building associated with the agricultural surrounds. The well located immediately adjacent east of site is no longer present. Lidsey Lodge Farm, with associated farm buildings, is located approximately 150m north. There are now 3no. greenhouses included with the Nursery located approximately 300m west from site. A Works with associated tanks is located approximately 900m north. The remaining surrounds are relatively unchanged. Limited 1:10,000 map sheet and information for the site and surrounds.

1992 – 1994	There are now 2no. additional features included on site: a circular tank and another rectangular building, both of which are considered be associated with the agricultural surrounds. The tank is assumed to be the present day slurry tank. There are now a total of 6no. greenhouses included within the Nursery located approximately 300m west from site. There is further development along Shripney Road, located approximately 750m west. The remaining surrounds are relatively unchanged.
2000	The site remains unchanged. The surrounds remain relatively unchanged. Lack of 1:2,500 map sheets and information for the site and surrounds.
2016	The site remains unchanged. The A259 road is now located approximately 300m south from site. The remaining surrounds are relatively unchanged. Lack of 1:2,500 map sheets and information for the site and surrounds.

4.1 Potential Contamination Sources - Historical

Potential Sources of Contamination Considered a Risk to the Site		
Feature	Distance, Direction	Dates Present
Infrastructure and processes associated with the farm buildings, including potential Made Ground and biological contaminants related to the on-site slurry tank.	On site.	1974 until present day.

Potential Sources Not Considered Further	
Feature	Justification
Lidsey Lodge Farm and associated processes and infrastructure located approx. 150m north.	Distance from site and relatively low contamination potential.
Railway located approx. 250m east.	Distance from site.
Nursery and associated greenhouses, infrastructure and processes located approx. 300m west.	Distance from site.
Construction of the A259 road including possible Made Ground.	Distance from site and relatively low contamination potential.
Works with associated tanks located approx. 900m north.	Distance from site.

5.0 INFORMATION ON PUBLIC RECORD

5.1 Envirocheck Public Record Search

The following information has been obtained from public archive via the data supplier Envirocheck or by direct application. The full Envirocheck Report is presented in Appendix B.

Discharge Consents – There are forty-seven records within 1000m of the site. The closest of these is located approximately 30m north west detailed as a now revoked (revocation date: March 1997) licence for the discharges of other matter to a controlled sea. Note; this discharge licence is considered to be associated with the site given its location and proximity.

Two records both associated with the farm barns on Sack Lane are located closest to site at approximately 160m north, detailed as the discharges of final treated sewage effluent to a freshwater stream and into land, dated 1995 and 1993, respectively. As no permit end date or revocation date has been provided it is assumed that these licences are still active. The remaining records are over 300m from site.

Integrated Pollution Prevention and Control – There are three records within 1000m of the site, two of which are associated with Lidsey Well Site (Lidsey Oilfield) located approximately 920m north, for the loading, storage and treatment etc. of crude oil; one of these permits is still effective superseding the other. The remaining record is located over 950m from site.

Local Authority Pollution Prevention and Controls – There is one record within 1000m of the site located approximately 810m north west at Marine Pack Ltd National Bait company detailed as a now revoked authorisation for maggot breeding processes; no revocation date has been provided.

Pollution Incidents to Controlled Waters – There are two records within 1000m of the site. The closest of these occurred in February 1996 located approximately 800m south west at the Holding, Shripney Road detailed as leaking heating oil (Oils – diesel) from a storage tank to a drainage ditch causing a minor incident (Category 3) to controlled waters; no information has been provided as to the volume of pollutant. The remaining record is located over 950m from site.

Historical Landfill Sites – There is one record within 1000m of the site, located approximately 900m north operating and accepting deposited waste including inert waste from 1950 to 1960, labelled as 'Disused Canal East of A27'.

Local Authority Recorded Landfill Sites – There is one record within 1000m of the site, assumed to be the aforementioned record of a landfill, 'Disused Canal East of A27' located approximately 900m north.

BGS Recorded Mineral Sites – There is one record within 1000m of the site associated with the aforementioned Lidsey Oil Site located approximately 920m north. This record is detailed as an active mineral site for oil extraction located approximately 890m north.

Contemporary Trade Directory Entries – There are fourteen records within 1000m of the site. The closest of these is detailed as an inactive waste disposal services located approximately 730m west. The closest active entry is a refrigeration equipment manufacturers and distributors located approximately 950m south.

Nitrate Vulnerable Zones (NVZ) – A surface water NVZ is identified on site.

5.2 Information from Local Authority

Environmental information relating to the site and surrounds can be acquired at a cost of £42.00 by contacting Kate Simons from Chichester District Council at [REDACTED] or on [REDACTED]. CE have not actioned the release of this information.

5.3 Potential Sources of Contamination – Public Records

Potential Sources of Contamination Considered a Risk to the Site		
Feature	Distance, Direction	Dates Present
Revoked licence for the discharges of other matter (unknown pollutant) to a controlled sea.	Approximately 30m north west. However, assumed to be associated with the site.	Operating until March 1997.

Potential Sources Not Considered Further	
Feature	Justification
Discharge licence of final treated effluent to a freshwater stream into land located approximately 160m north.	Distance from site and relatively low contamination potential.
Processes, infrastructure and spillages associated with Lidsey Oilfield located approximately 890-920m north.	Distance from site.
Pollution Incidents to Controlled Waters.	Distance from site and/or incidents having only a minor incident.
Marine Pack Ltd National Bait company detailed as a now revoked authorisation for maggot breeding processes located approximately 810m north west.	Distance from site.
Historical Landfill Site – 'Disused Canal East of A27' located approximately 900m north.	Distance from site.
Contemporary Trade Directory Entries	Distance from site and/or relatively low contamination potential.

6.0 PRELIMINARY CONCEPTUAL SITE MODEL & RISK ASSESSMENT

The Preliminary Conceptual Site Model (CSM) has been formulated in accordance with BS10175:2011:2013+A1. It is used to assess the significance of the environmental hazards identified at the site, the potential receptors and the pathway between them.

6.1 Sources

6.1.1 On Site

1. Infrastructure and processes associated with the agricultural setting/buildings, including the use of pesticides and fertilisers, any maintenance of farm equipment and/or vehicles and possibility of Made Ground and biological contaminants (*Bacillus anthracis*) related to the on-site slurry tank. Potential contaminants include, but are not restricted to, heavy metals, petroleum hydrocarbons, solvents, biological contaminants, ground gas and asbestos.
2. Possibility of asbestos within potential ACM and concrete stockpile on site. Potential contaminants include asbestos.

6.1.2 Off Site

3. Unknown pollutants (other matter) related to the discharge licence located approximately 30m north west; assumed to be associated with the site.

6.2 Receptors

- End Users – Residents, site workers and visitors.
- Site Workers (during development) – There is the potential of exposure to contaminated soils and vapour especially during groundworks.
- Proposed Development – Vapour from impacted soils that may accumulate in confined, poorly ventilated areas of the proposed buildings.
- Services – Any buried services installed for the proposed development.
- Groundwater – Bedrock Principal Aquifer and Superficial Secondary (A) Aquifer underlying the site. Note; the historical well adjacent east to site (as detailed in Section 4.0) is acknowledged as a preferential vertical pollutant pathway to groundwater.

6.2.1 Potential Receptors Not Considered Further

Surface water is not deemed a receptor further due to the distance of the nearest surface water feature to site (approx. 140m).

6.3 Potential for Ground Gas and Soil Vapour Generation

The potential for Made Ground on-site and presence of the River Terrace Deposits, specifically the possibility of peat underlying the site, is pertinent with regard to generation of ground gas. However, this is thought to be somewhat limited.

A number of hydrocarbon specific sources have been identified, including general maintenance of vehicles and equipment associated with the agricultural setting, congruous to the possibility of soil vapour on site.

6.4 Preliminary Conceptual Site Model

The Preliminary CSM has been formulated in accordance with BS10175:2011:2013+A1 to provide information regarding the possible sources of contamination that may impact the site, the pathway in which the contamination can migrate, and any vulnerable receptors, all of which need to be present for there to be a risk. The risk assessment has been carried out by assessing the severity of the potential consequence, taking into account both the potential severity of the hazard and the sensitivity of the target. An explanation of categories is provided below the CSM tables.

Source	Pathway	Receptor	Likelihood	Potential Risk	Proposed Action
Infrastructure and processes associated with the agricultural setting/buildings, including the use of pesticides and fertilisers, any maintenance of farm equipment and/or vehicles and possibility of Made Ground and biological contaminants (Bacillus anthracis) related to the on-site slurry tank.	Inhalation, ingestion and dermal contact from exposure to contaminated soils.	End users.	Likely.	Moderate. The likelihood of exposure is high considering the residential scenario and areas of private gardens.	Intrusive investigation to further refine risks (as detailed in Section 6.3 of this report).
		Site workers (during development).	Likely.	Moderate. The possibility of a pollutant linkage given the likelihood of direct contact with contaminated soils as well as the contamination potential increases the risk. The short exposure time is acknowledged.	Adequate site coverage must be achieved, with particular focus to areas within proximity to the slurry tank. In addition, at least 1no. position should be located per private garden.
	Impacted soils.	Services.	Likely.	Low to Moderate. There is a possibility of exposure given the on-site location of the source and the option of new potable water supply pipework/services.	Soil sampling will be based on field observations, coverage and in order to refine the identified source-pathway-receptor linkages.
	Volatilisation of hydrocarbons in the underlying soils and groundwater to indoor and/or outdoor air.	End users and proposed development.	Possible.	Moderate. The residential end use increases the risk.	It will be necessary to install at least 1no. monitoring well, with the completion of subsequent soil vapour / ground gas and groundwater monitoring. Groundwater analysis will be based on field observations (i.e. staining, odour and presence of groundwater) and initial soil analysis.
Potential contaminants include, but are not restricted to, heavy metals, petroleum hydrocarbons, solvents, biological contaminants, ground gas and asbestos.	Migration of ground gas through the soil pores of the underlying geology.	Site workers (during development).	Unlikely.	Negligible to Low. Temporary external work setting and short exposure time reduces this risk.	
		End users and proposed development.	Possible.	Moderate. The residential end use increases the risk.	
	Infiltration and migration of contaminants through the underlying geology and historical well adjacent east to site.	Bedrock Principal Aquifer and Superficial Secondary (A) Aquifer underlying the site.	Possible.	Moderate. The risk is increased by the presence of the bedrock Principal Aquifer. However, it should be noted that the sensitivity is reduced as there are no potable water abstraction licences and SPZs within 200m of the site.	

Source	Pathway	Receptor	Likelihood	Potential Risk	Proposed Action
Possibility of asbestos within potential ACM and concrete stockpile on site.	Inhalation, ingestion and dermal contact from exposure to contaminated soils.	End users.	Possible.	Moderate. The likelihood of exposure is high considering the residential scenario and areas of private gardens.	An asbestos identification survey targeting the potential ACM, to determine the presence of asbestos, may wish to be undertaken. This should be completed by a suitably qualified person equipped with the correct PPE.
		Site workers (during development).	Likely.	Moderate. The likelihood of exposure is high considering the residential scenario and areas of private gardens.	
Potential contaminants include asbestos.					It will be necessary to complete a series of shallow trial pits within the affected areas.

Source	Pathway	Receptor	Likelihood	Potential Risk	Proposed Action
Unknown pollutants (other matter) related to the discharge licence located approximately 30m north west, assumed to be associated with the site.	Inhalation, ingestion and dermal contact from exposure to contaminated soils.	End users.	Possible.	Moderate. The unknown contamination potential and residential end use increases the risk.	Intrusive investigation to further refine risks (as detailed in Section 8.1 of this report).
		Site workers (during development).	Likely.	Low. The risk is increased given the unknown contamination potential and possibility of a pollutant linkage given the likelihood of direct contact with contaminated soils. The short exposure time reduces the risk somewhat.	Adequate site coverage must be achieved.
	Impacted soils.	Services.	Likely.	Low to Moderate. There is a possibility of exposure given the option of new potable water supply pipework/services. The unknown contamination potential increases the risk.	Soil sampling will be based on field observations, coverage and in order to refine the identified source-pathway-receptor linkages.
	Volatilisation of hydrocarbons in the underlying soils and groundwater to indoor and/or outdoor air.	End users and proposed development.	Possible.	Moderate. The unknown contamination potential and residential end use increases the risk.	It will be necessary to install at least 1no. monitoring well, with the completion of subsequent soil vapour / ground gas and groundwater monitoring. Groundwater analysis will be based on field observations (i.e. staining, odour and presence of groundwater) and initial soil analysis.
		Site workers (during development).	Unlikely.	Negligible to Low. Temporary external work setting and short exposure time reduces this risk.	
	Migration of ground gas through the soil pores of the underlying geology.	End users and proposed development.	Possible.	Moderate. The unknown contamination potential and residential end use increases the risk.	
		Site workers (during development).	Unlikely.	Negligible to Low. Temporary external work setting and short exposure time reduces this risk.	

Negligible Risk	Defined as the site should be considered suitable for the present or future use and environmental setting. Contaminants unlikely to be present, which might have unacceptable impact on key targets.
Low Risk	Defined as the site should be considered suitable for the present or future use and environmental setting. Contaminants may be present but unlikely to have unacceptable impact on key targets.
Moderate Risk	Defined as the site may not be suitable for the present or future use and environmental setting. Contaminants are probably present and might have unacceptable impact on key targets.
High Risk	Defined as the site is probably or certainly not suitable for the present or future use and environmental setting. Contaminants are probably or certainly present and likely to have unacceptable impact on key targets.

7.0 CONCLUSIONS

The site consists of a barn used for storing agricultural machinery, milking equipment and for keeping cattle. Surrounding the barn are areas of hard standing, a slurry tank, associated pipe work and a stockpile of crushed concrete.

Proposals include the demolition of existing barns and structures and the construction of 3no. live/work units with associated gardens and parking within the northern half of site. The southern half of site is to be created into a new area of pasture land.

The Geology of Britain Viewer (BGS, 2017) indicates the site is underlain by Superficial Deposits of River Terrace Deposits (undifferentiated) over Bedrock Geology of the White Chalk Subgroup (Upper Chalk).

Following a site reconnaissance, review of historical maps and information on public record, potential sources of contamination have been identified:

1. Infrastructure and processes associated with the agricultural setting/buildings, including the use of pesticides and fertilisers, any maintenance of farm equipment and/or vehicles and possibility of Made Ground and biological contaminants (*Bacillus anthracis*) related to the on-site slurry tank. Potential contaminants include, but are not restricted to, heavy metals, petroleum hydrocarbons, solvents, biological contaminants, ground gas and asbestos.
2. Possibility of asbestos within potential ACM and concrete stockpile on site. Potential contaminants include asbestos.
3. Unknown pollutants (other matter) related to the discharge licence located approximately 30m north west; assumed to be associated with the site.

A summary of the possible pollutant linkages identified within the Preliminary CSM is below:

End Users

At present, there is considered to be a **Moderate** risk to end users through inhalation, ingestion and dermal contact, the volatilisation of hydrocarbons and migration of ground gas from exposure to contaminated soils, including potential ACM, associated with the identified sources.

Site Workers (during development)

At present, there is considered to be a **Moderate to High** risk to site workers through inhalation, ingestion and dermal contact from exposure to possible ACMs and contaminated soils on site.

Services and Development

In general, there is considered to be a **Low to Moderate** risk to services and development from exposure to impacted soils associated with the on- and off-site sources.

Groundwater

In general, there is considered to be a **Moderate** risk to the underlying aquifers (Bedrock Principal Aquifer and Superficial Secondary A Aquifers) through infiltration and migration of contaminants through the underlying geology from exposure to the on-site source.

It will be necessary to conduct a Site Investigation to further refine the identified pollutant linkages.

8.0 RECOMMENDATIONS

The following recommendations are specific to the plans received at the time of writing this report. Any alterations to the plans may warrant a reassessment of the risk.

It will be necessary to conduct a Site Investigation in order to further refine the potential risks identified within the Preliminary CSM. Details can be found within Section 8.1 of this report.

It will be necessary to conduct a Watching Brief on site, in order to detect any areas of unidentified contamination during groundworks, if present. Further details can be found in Section 8.2 of this report.

It is recommended that this report is submitted to the Local Authorities and the Environment Agency for comment and approval.

8.1 Proposed Site Investigation

In accordance with Sections 7.0 and 8.0, an intrusive Site Investigation is required to further refine the potential pollution linkages identified in the Preliminary CSM. In summary, the Site Investigation should involve the following:

- At least 3no. trial pits, with at least 1no. location per residential garden;
- At least 2no. trial pits within proximity to the concrete stockpile;
- At least 2no. window sample and/or standard shell and auger boreholes; and,
- At least 1no. monitoring well installation.

Further details regarding the investigations considered necessary to assess the potential risks is tabulated below and overleaf.

Investigation Proposed	Purpose(s)
As per Section 6.4, the identified on-site source must be specifically targeted by intrusive locations positioned within the proposed residential gardens. At least 3no. intrusive locations, with at least 1no. location per residential garden. These should be either hand-dug or machine-dug trial pits, completed to approximately 1.00mbgl. Soil sampling will be based on field observations, coverage and in order to refine the identified pollutant linkages.	Collect representative soil samples and assess visual/olfactory evidence of impacted soils within proposed private gardens, in order to assess the risks to end users from the identified source.

Investigation Proposed	Purpose(s)
As per Section 6.4, the identified on-site source (possibility of ACM) must be specifically targeted by intrusive locations positioned within close proximity to the concrete stockpile. At least 2no. intrusive locations within close proximity to the concrete stockpile. These should be hand-dug trial pits completed to approximately 1.00mbgl. Soil sampling will be based on field observations, coverage and in order to refine the identified pollutant linkages.	Collect representative soil samples and assess visual/olfactory evidence of impacted soils within proximity to the concrete stockpile, in order to assess the risks to end users and site workers from exposure to possible ACM.
As per Section 6.4, the pollutant linkages identified with the on- and off-site sources must be refined. At least 2no. intrusive locations, which should be either window sample boreholes or standard shell and auger boreholes, arranged in order to provide suitable vertical and horizontal coverage with particular attention to the slurry tank. Soil sampling will be based on field observations, coverage and in order to refine the identified pollutant linkages.	Collect representative soil samples and assess visual/olfactory evidence of impacted soils, in order to assess the risks from the identified sources. To allow for at least 1no. monitoring well installation and subsequent soil vapour, ground gas and groundwater monitoring.
As per Section 6.4, at least 1no. monitoring well installation within the aforementioned borehole(s) to allow for soil vapour, ground gas and groundwater monitoring. At least 2no. rounds of monitoring should be completed, preferably during periods of decreasing atmospheric pressure.	Completion of ground gas and soil vapour monitoring to refine pollutant linkages to end users. To assess the groundwater regime and to allow the collection of groundwater samples. If deemed necessary, groundwater analysis will be undertaken in order to refine the risks to the underlying aquifers.

Recovered samples will be analysed/assessed as part of the investigation, which will aid in refining the Preliminary CSM, based on the identified source-pathway-receptor linkages.

The testing regime has been devised in accordance with BS10175:2011:2013+A1 *Guidelines for the Code of Practice for Contaminated Land* and CLR Report No.4 *Sampling Strategies*.

8.1.1 Analysis

Analysis of soil samples is suggested in order to determine the completeness of the potential pollutant linkages identified in the Preliminary CSM. The following testing regime overleaf is considered appropriate for a selection of recovered samples.

Material	Chemical Testing Required
Made Ground	Heavy metals, speciated Total Petroleum Hydrocarbons (TPH – aliphatic and aromatic C ₅ – C ₄₀), speciated PAH, BTEX, MTBE, pH, Soil Organic Matter, biological contaminants (<i>Bacillus anthracis</i>) and Asbestos Screen. The need for VOC/SVOC analysis and an organochlorine pesticide suite will be based on initial soil analytical results and visual olfactory evidence of contamination.
Natural Soils	Heavy metals, speciated Total Petroleum Hydrocarbons (TPH – aliphatic and aromatic C ₅ – C ₄₀), speciated PAH, BTEX, MTBE, pH and Soil Organic Matter. The need for VOC/SVOC analysis and an organochlorine pesticide suite will be based on initial soil analytical results and visual olfactory evidence of contamination.
Groundwater	If deemed necessary; analytical suite will mirror that of soil testing – including, but not exclusive to, heavy metals, speciated Total Petroleum Hydrocarbons (TPH – aliphatic and aromatic C ₅ – C ₄₀), speciated PAH, BTEX, MTBE and pH.

8.1.2 Guidance

The results from the Site Investigation will be compared against relevant Generic Assessment Criteria (GAC) including Soil Guideline Values (SGVs), Provisional Category 4 Screening Levels (C4SLs) and LQM CIEH GAC using the equivalent 'Residential' classification on the basis that the end use includes residential dwellings and private gardens.

If necessary, groundwater results will be compared against the most applicable standard for each determinand from either: UK Drinking Water Standards, the Water Framework Directive (WFD), the New Dutch List and/or US EPA Drinking Water Advisory.

8.2 Watching Brief

We would recommend that a watching brief is maintained on site, particularly during any planned groundworks stage. This must be undertaken as part of good working practices and in case there are any areas of unidentified contamination.

During any ground works, an appraisal of the exposed soils should be made by the on-site manager. If any material is noted to show visual and/or olfactory signs of contamination this material should be stockpiled separately and tested prior to its appropriate removal off site or re-use where necessary. A suitably qualified environmental specialist should be contacted to advise what further work is required.

The on-site manager should be appointed by the contractor and it would be recommended that this person be able to display the relevant level of qualification and/or experience in managing major construction works on contaminated land.

8.3 Waste Disposal

As surplus arisings will likely be generated as part of the build programme, it is recommended that a copy of the laboratory results are given to the waste contractors and/or landfill operators involved to discuss the requirements with regards to removal of surplus subsoils from the site and the acceptance of the waste at the landfill. All surplus arisings should be appropriately classified as 'hazardous' or 'non hazardous' prior to its movement off site.

All materials must be transported in compliance with the Duty of Care Regulations by authorising movements with Carrier's individually numbered Duty of Care conveyance notes, complete with

the appropriate EWC Codes. All relevant dockets will need to be kept to provide evidence of the removal.

It may be necessary depending upon the initial classification and the specific requirements of the waste carrier and the accepting landfill facility to complete Waste Acceptance Criteria (WAC) testing; it is prudent to ascertain the testing requirements of each prior to the movement of any spoil.

Contaminated soil that is, or must be disposed of, is waste. Therefore, its handling, transport, treatment and disposal is subject to waste management legislation, which includes:

- Duty of Care Regulations 1991
- Hazardous Waste (England and Wales) Regulations 2005
- Environmental Permitting (England and Wales) Regulations 2010
- The Waste (England and Wales) Regulations 2011

The client should ensure that all contaminated materials are adequately characterised both chemically and physically in line with British Standard BS EN 14899:2005 'Characterization of Waste – Sampling of Waste Materials – Framework for the Preparation and Application of a Sampling Plan' and that the permitting status of any proposed treatment or disposal activity is clear. If in doubt, the Environment Agency should be contacted for advice at an early stage to avoid any delays.

If the total quantity of waste material to be produced or taken off site as hazardous waste is 500kg or greater in any 12 month period then the developer will need to register with the EA as a hazardous waste producer.

A copy of such documentation should be retained and forwarded to CE for inclusion into a verification/validation report.

8.4 Services

We would recommend that if new services are to be included into the design of this development, the local water board are contacted to determine the type of pipework that should be used on this site.

All services and in particular potable water supply pipes should be made out of suitable materials with respect to contamination, particularly materials with respect to contamination, particularly organic contaminants, which are known to degrade polymeric materials from which services are often made.

It would be prudent to situate services within lined trenches. The trenches should be lined with a geotextile membrane and backfilled with clean fill, such as pea shingle, which will demarcate the services from the surrounding soils.

This approach is largely to ensure that the risks to future service maintenance workers are mitigated, with respect to potential dermal contact, inhalation and ingestion pathways. Upon determination of the design, agreement should be sought from the Local Authority by way of a Remediation Strategy prior to commencement of groundworks.

It is recommended that a suitably qualified Environmental Scientist attends site to validate the construction of the service trenches, to take photographic records which should be included within a Validation Report or similar documentation.

8.5 Statutory Consultees

We would recommend that this report be forwarded to the relevant Statutory Consultees including the Local Council's Environmental Health and Planning Department to seek their comments and subsequent approval prior to works commencing on site.

APPENDICES

Appendix A – Site Plans

Appendix B – Envirocheck Report

Appendix C – Photographic Log



constructiveevaluation

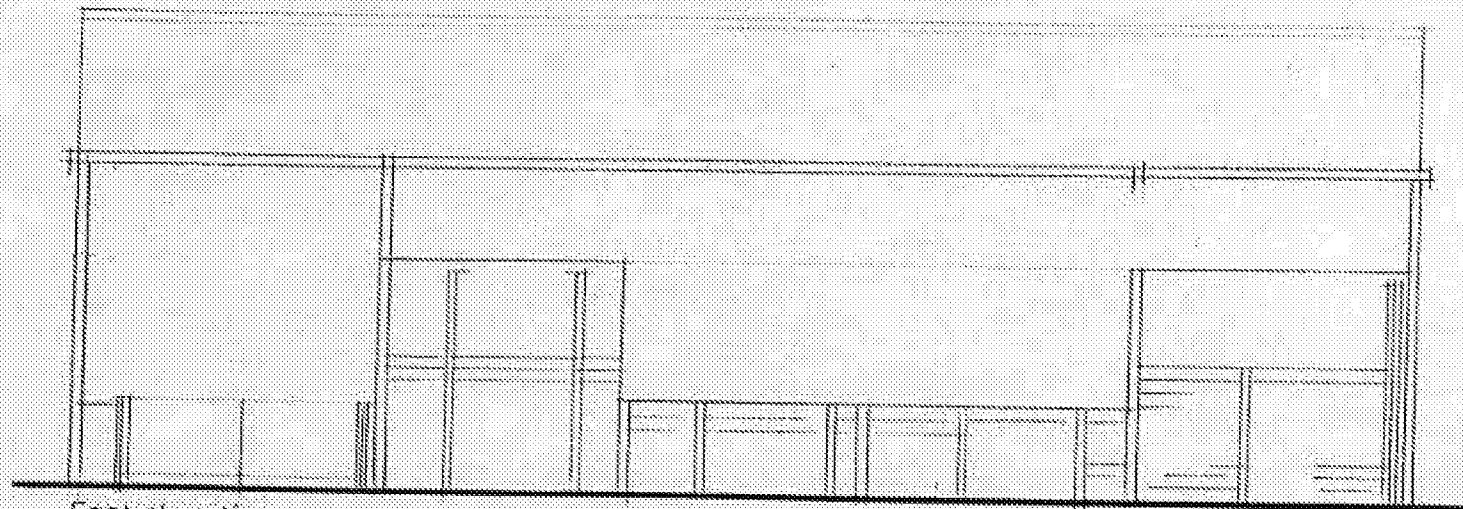
site investigation • building pathology

APPENDIX A

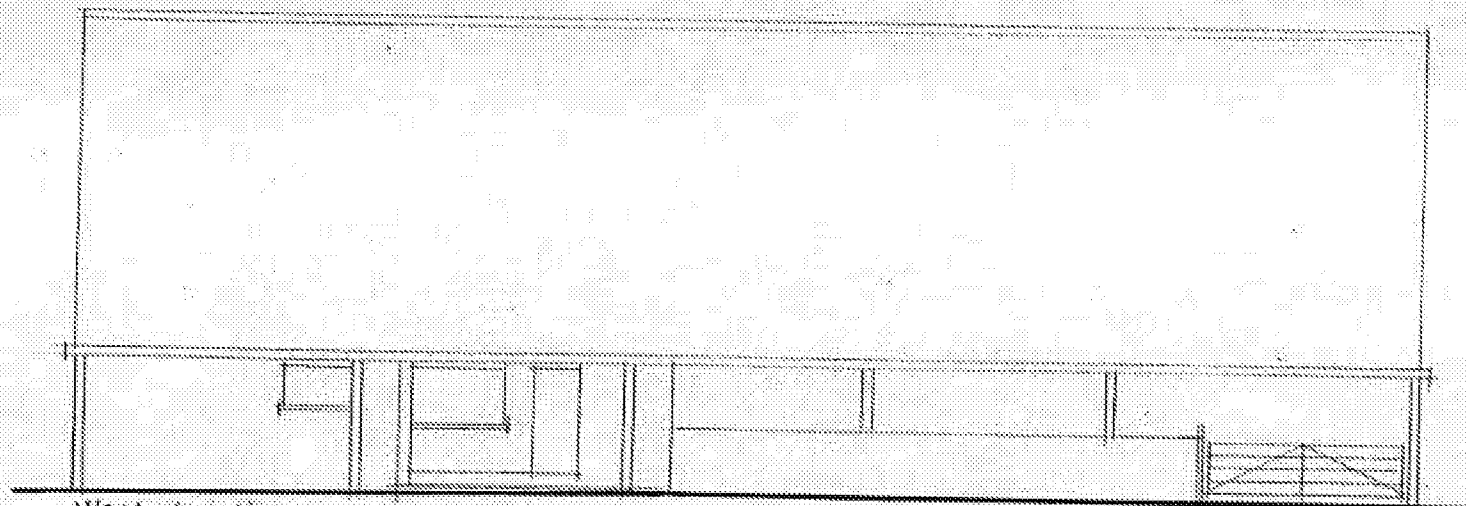
Site Plans



constructiveevaluation
site investigation • building pathology

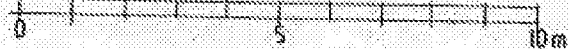


East elevation



West elevation

Scale 1:100 at A3



RJCA Chartered Architects

The White House, 2 Lavant Road
Chichester, West Sussex PO19 5RQ

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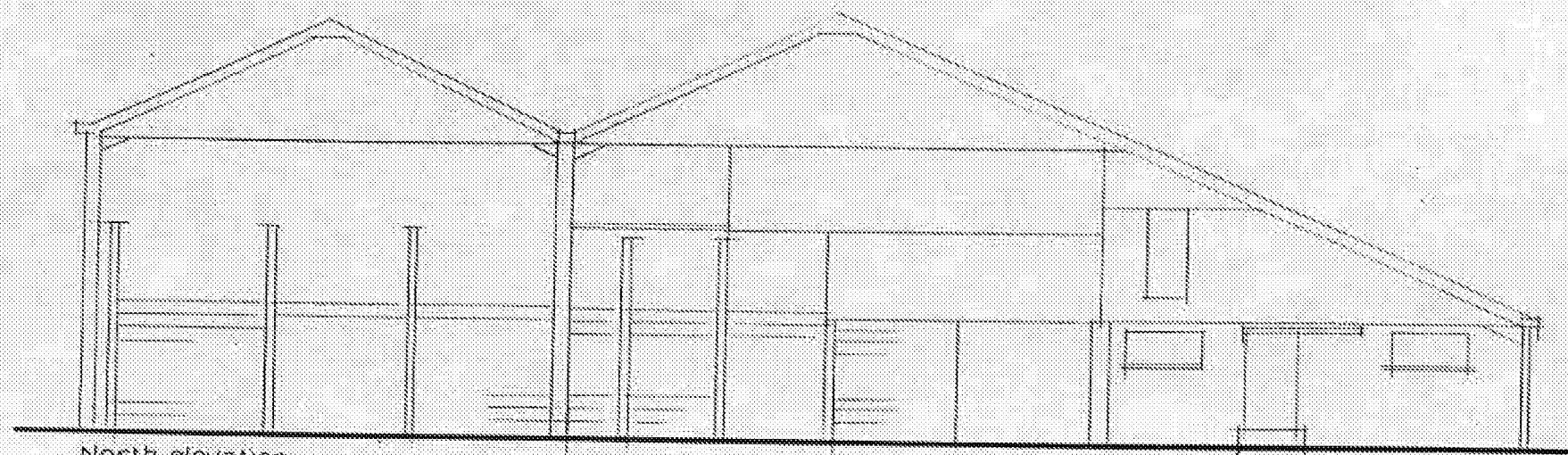
Mobile: 07973435493

Email: rjcatkinson@btinternet.com

Project Name: Sack Lane Dairy, Lidsey

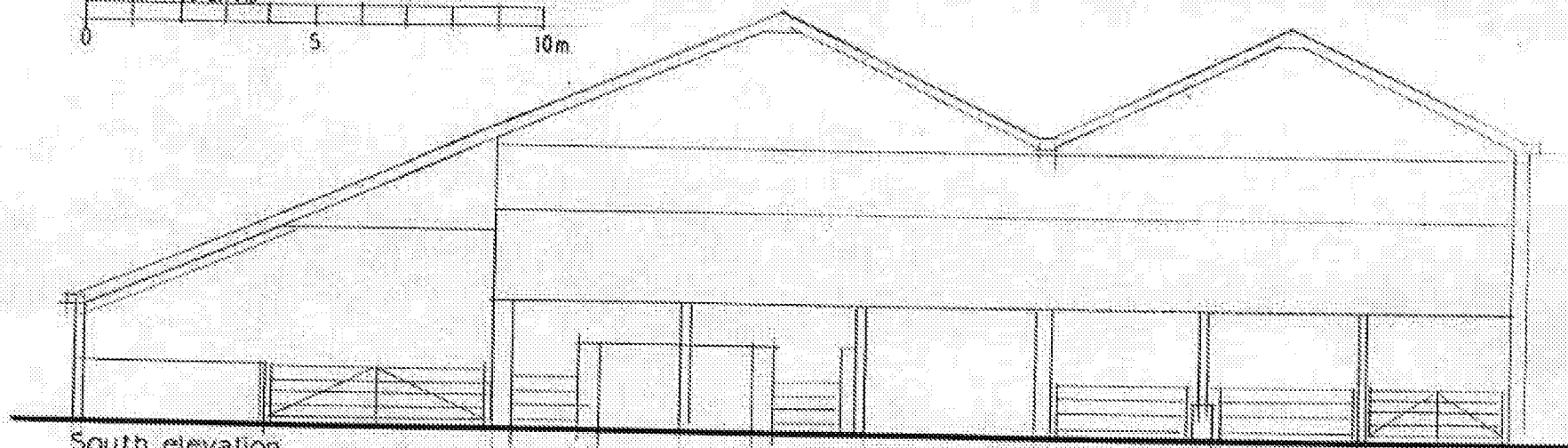
Drawing: Concrete barn - survey as existing
(sheet 3 of 3)

Drawing Number: 2015/15/03 Rev.



North elevation

Scale 1:100 at A3



South elevation

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The White House, 2 Lavant Road
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Tel: 01243 779600

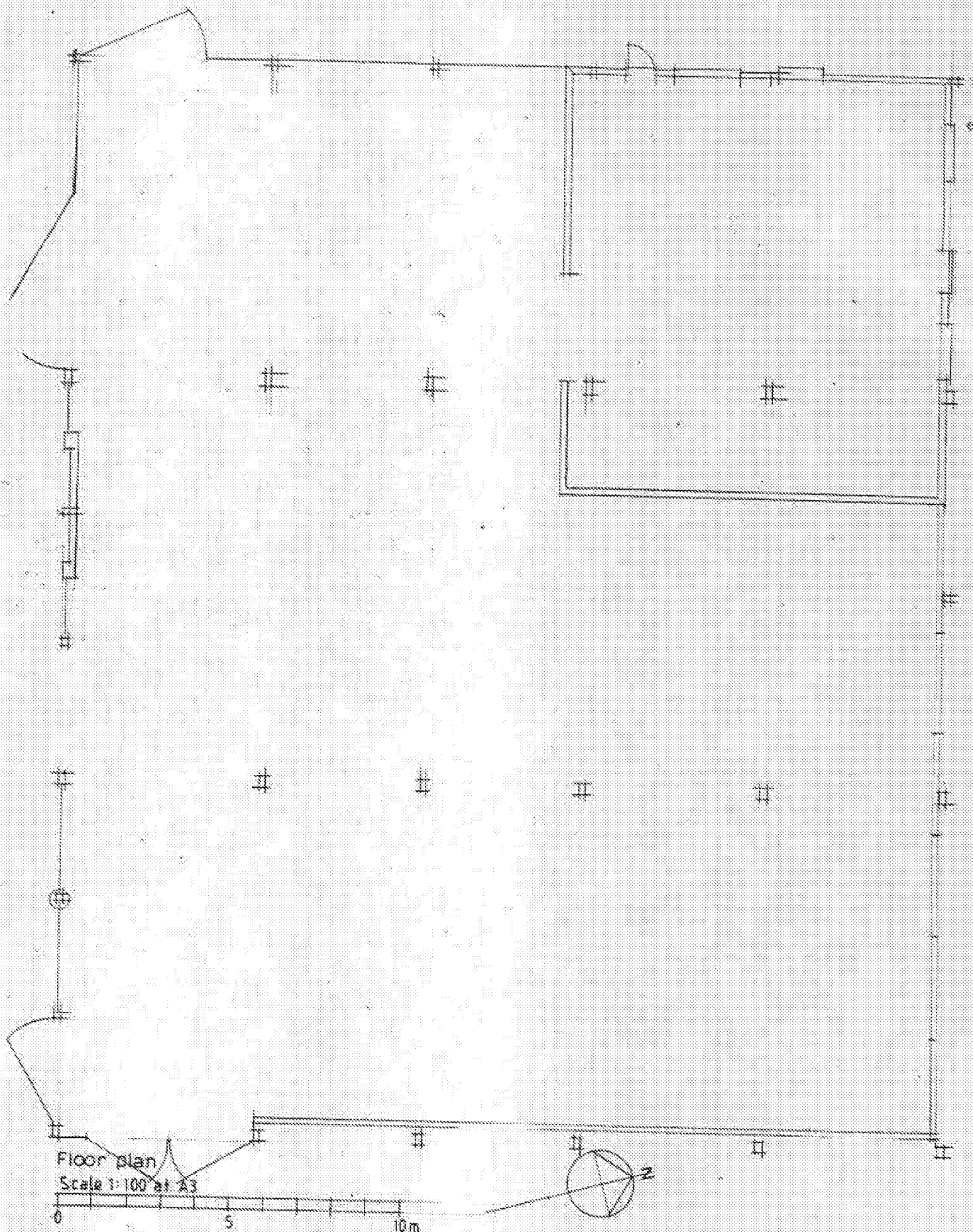
Mobile: 07973435493

Email: rjcatkinson@btinternet.com

Project Name: Sack Lane Dairy, Lidsey

Drawing: Concrete barn - survey as existing
(sheet 2 of 3)

Drawing Number: 2015/15/02 Rev.



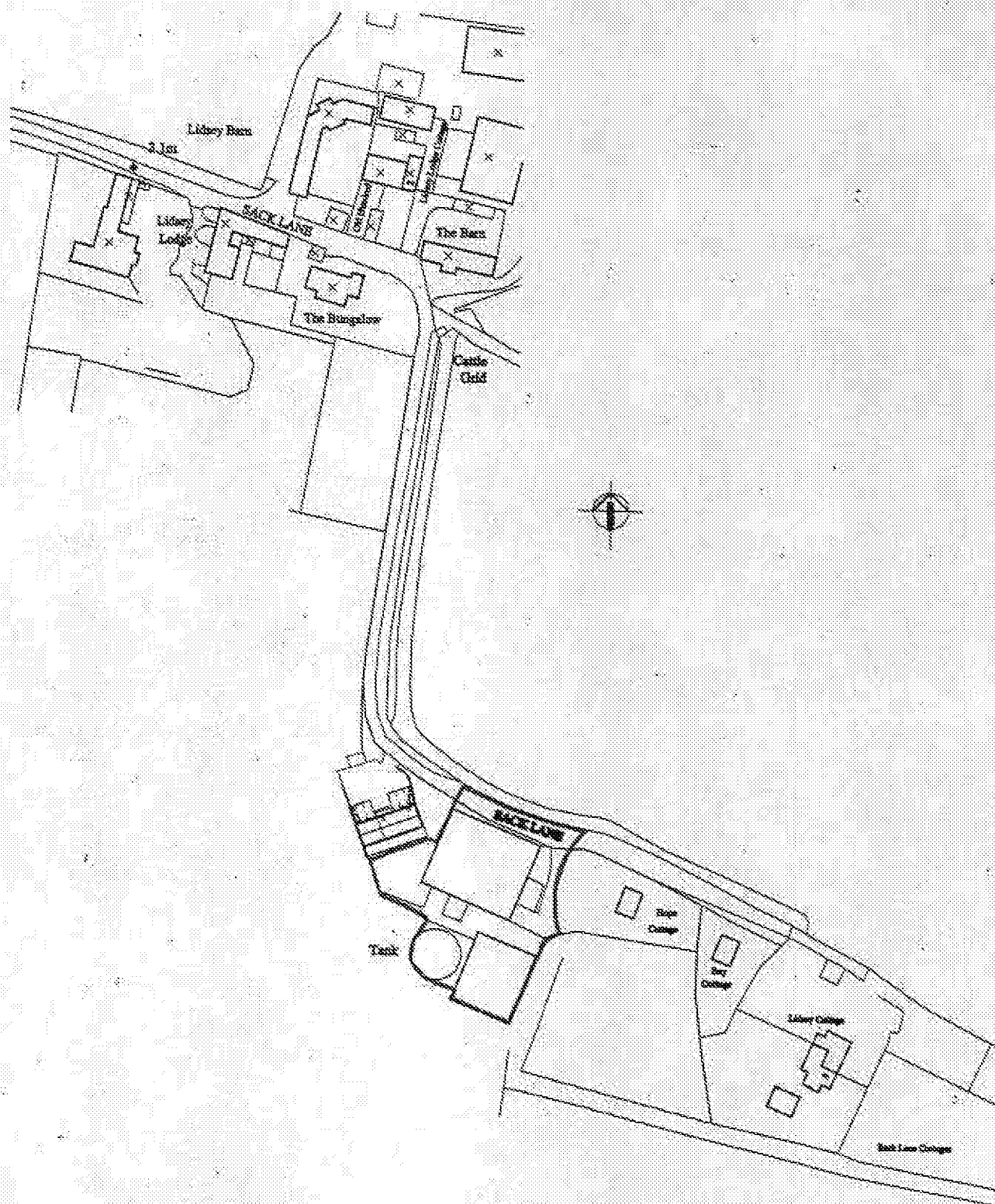
RJCA Chartered Architects

The White House, 2 Lavant Road
Chichester, West Sussex PO19 5RQ
Tel: 01243 779600
Mobile: 07973435493
Email: rjcatkinson@btinternet.com

Project Name: Sack Lane Dairy, Lidsey

Drawing: Concrete barn - survey as existing
(sheet 1 of 3)

Drawing Number: 2015/15/01 **Rev.**



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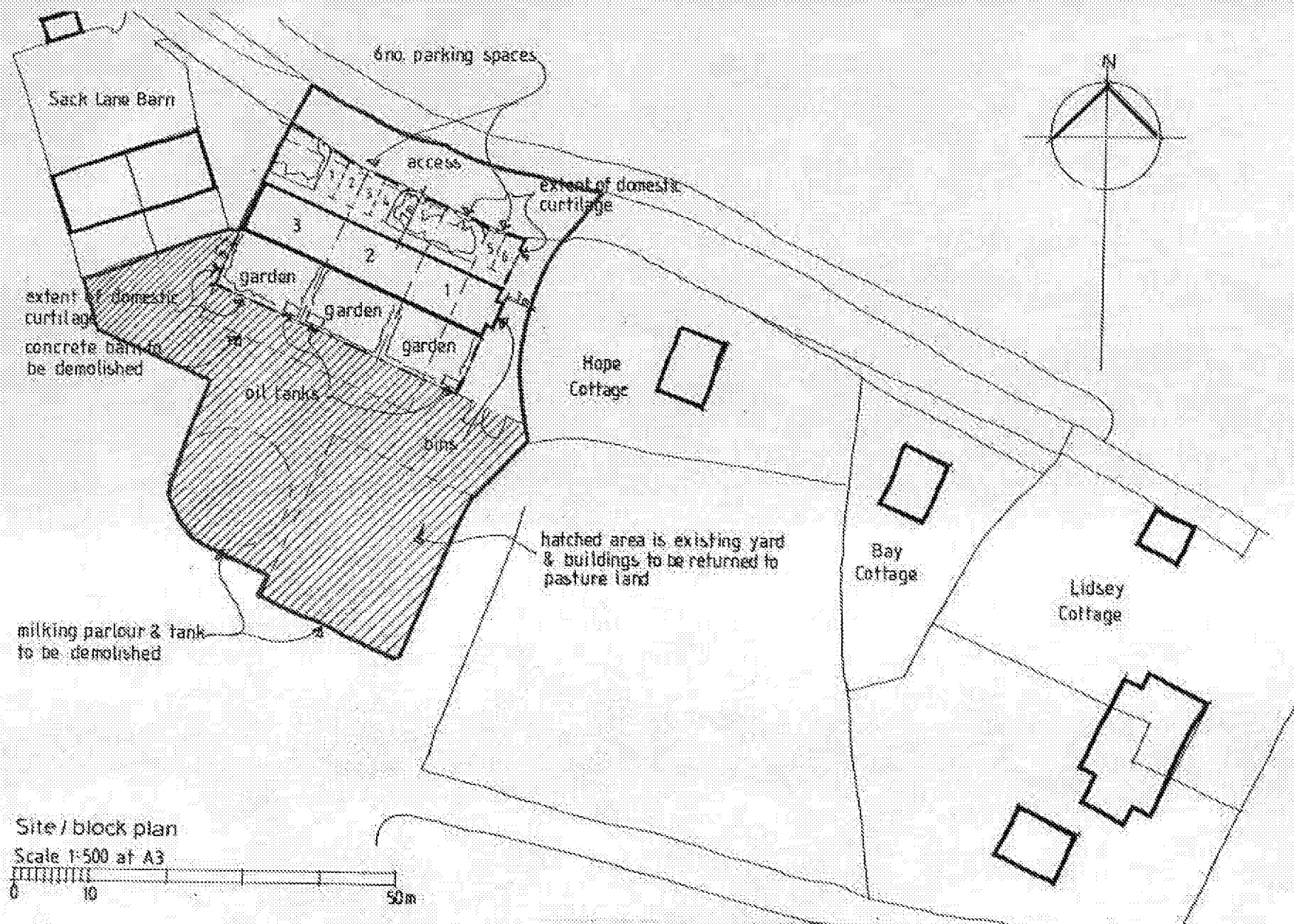
RJCA Chartered Architects

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Chichester, West Sussex PO19 5RQ
Tel: 01243 779600
Mobile: 07973435493
Email: rjcatkinson@btinternet.com

Project Name: Sack Lane Dairy, Lidey

Drawing: Location plan (Scale 1:1250 @ A3)

Drawing Number: 2015/15/10 Rev.



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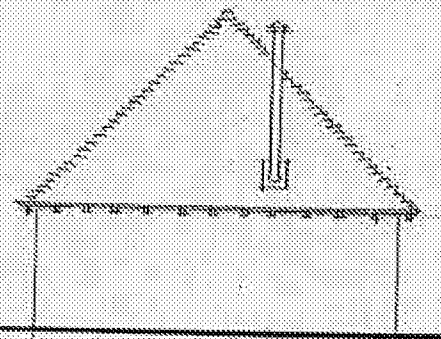
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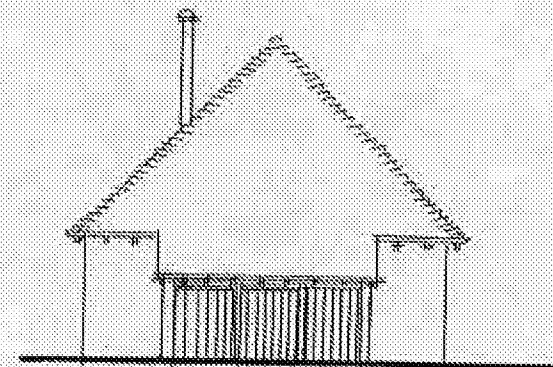
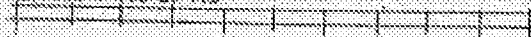
Project Name: Sack Lane Dairy, Lidsey

Drawing: Site/block plan

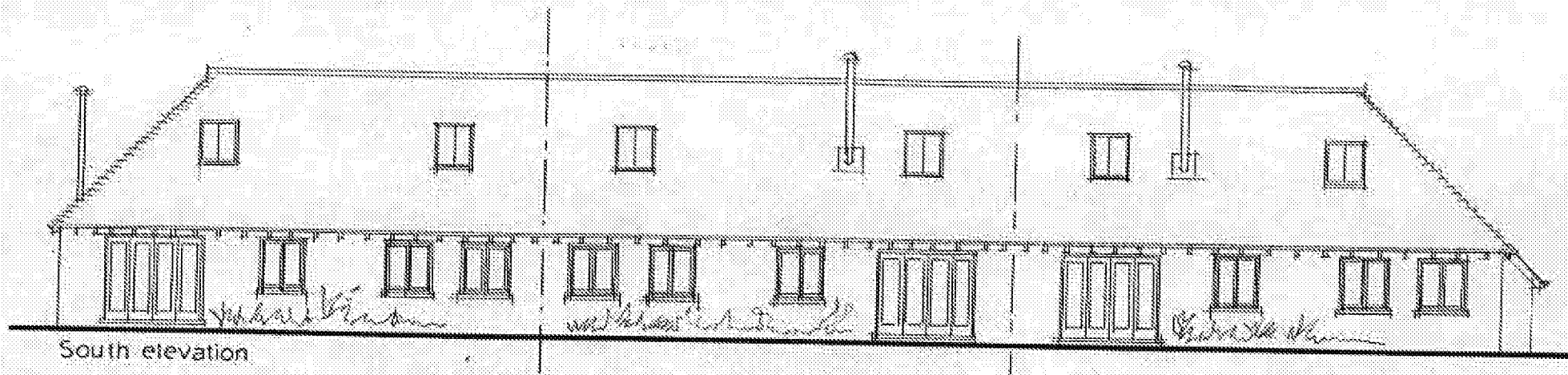
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West elevation
Scale 1:100 at A3



East elevation



South elevation

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Mobile: 07973435493

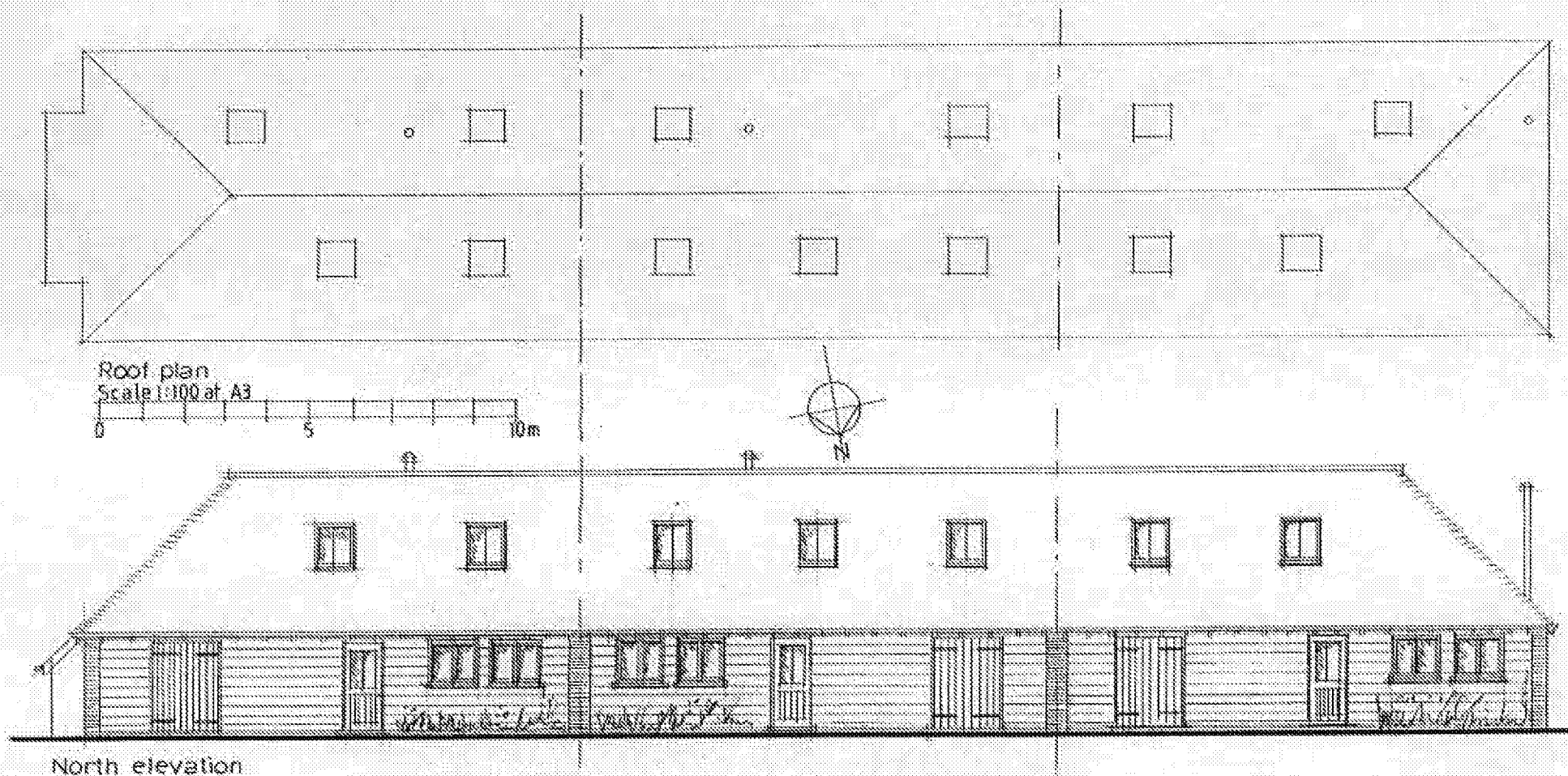
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Drawing: 3no. proposed live/work units

Drawing Number: 2015/15/08

Rev.



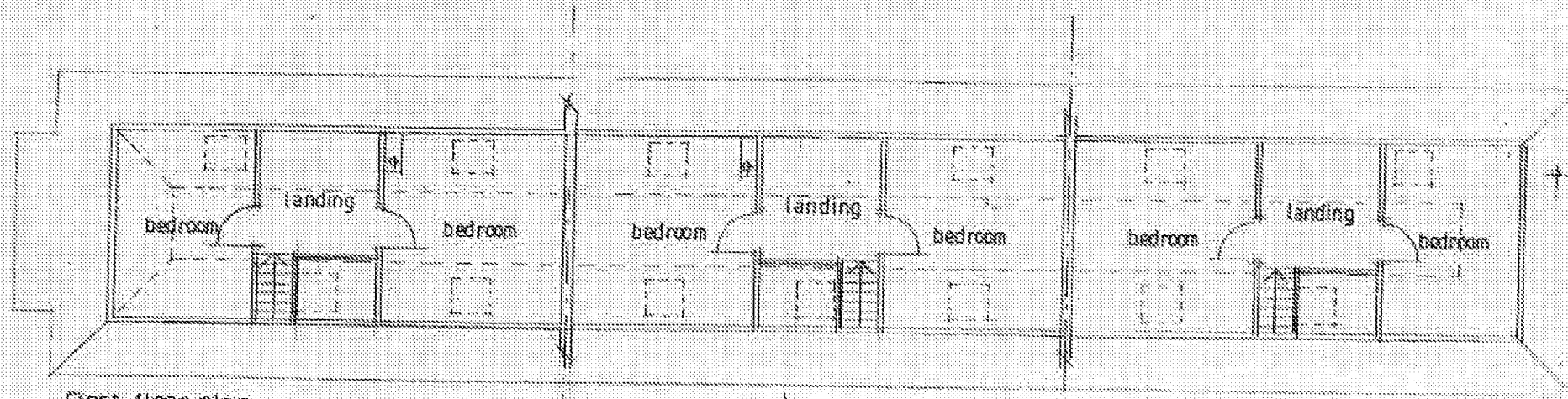
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The White House, 2 Lavant Road
 Chichester, West Sussex PO19 5RQ
 Tel: 01243 779600
 Mobile: 07973435493
 a/c: rjcatkinson@btinternet.com

Project Name: Sack Lane Dairy, Lidsey

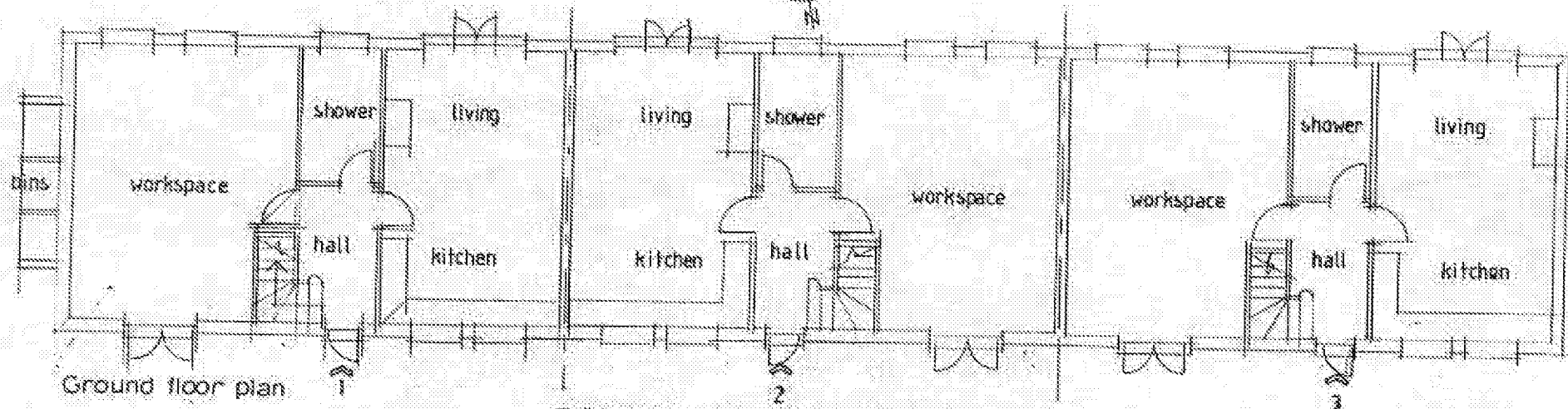
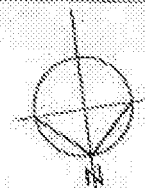
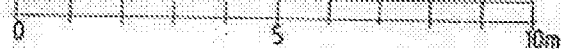
Drawing: 3no. proposed live/work units

Drawing Number: 2015/15/07 Rev.



First floor plan

Scale 1:100 at A3



Ground floor plan

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The White House, 2 Lavant Road
Chichester, West Sussex PO19 5RQ
Tel: 01243 779600

Mobile: 07973435483

Email: rjcatkinson@btinternet.com

Project Name: Sack Lane Dairy, Lidsey

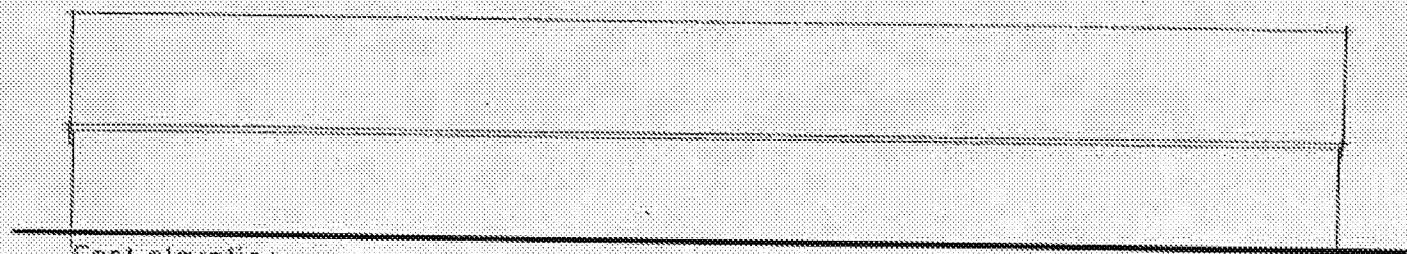
Drawing: 3no. proposed live/work units

Drawing Number: 2015/15/06

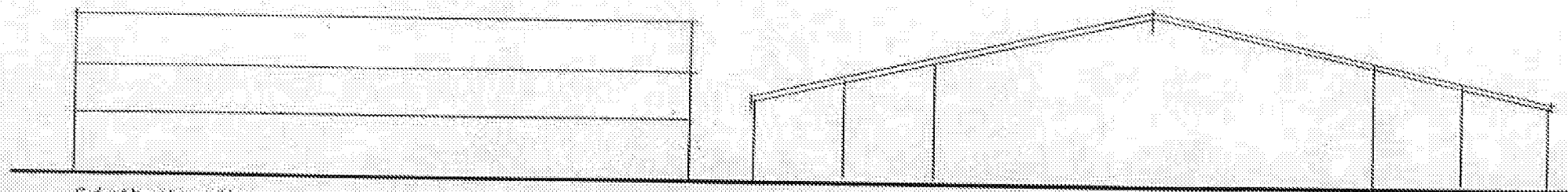
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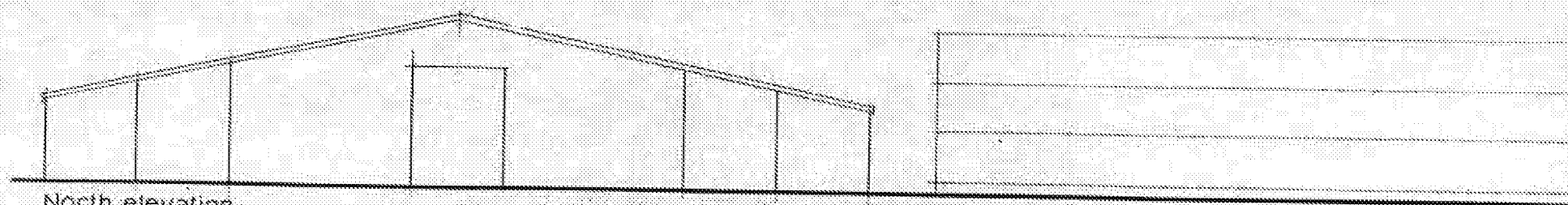
West elevation



East elevation

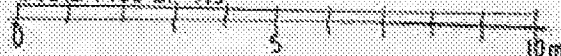


South elevation



North elevation

Scale 1:100 at A3



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The White House, 2 Lavant Road
Chichester, West Sussex PO19 5RQ
Tel: 01243 779600

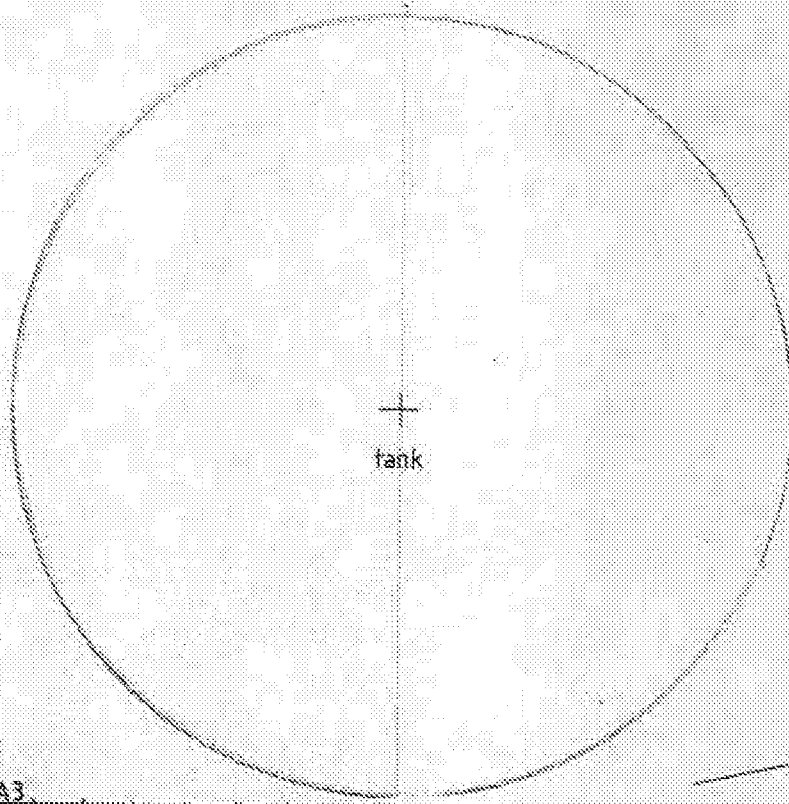
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Project Name: Sack Lane Dairy, Lidsey

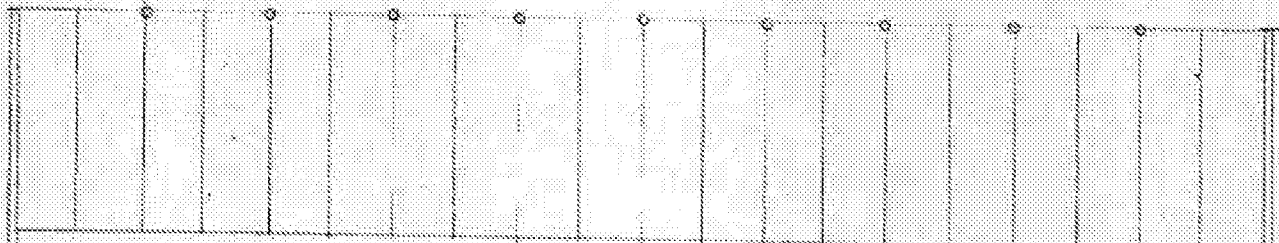
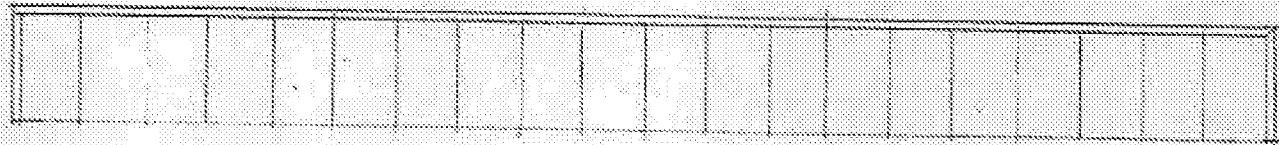
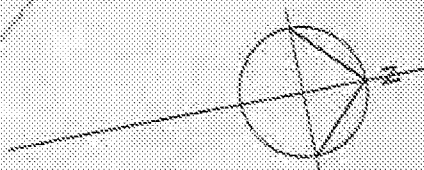
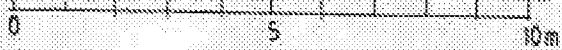
Drawing: Milking parlour - survey as existing
(sheet 2 of 2)

Drawing Number: 2015/15/05 Rev.

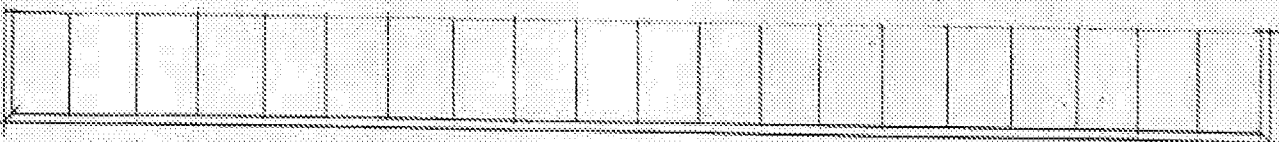
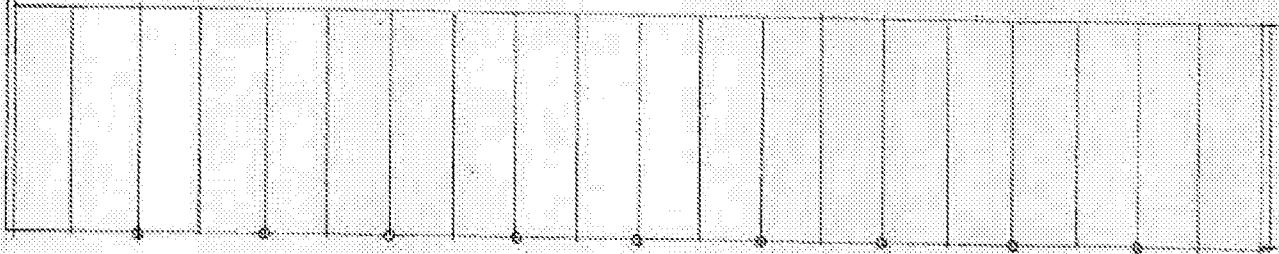


Floor plan

Scale 1:100 at A3



milking parlour



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Tel: 01243 779600

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Project Name: Sack Lane Dairy, Lidsey

Drawing: Milking parlour - survey as existing
(sheet 1 of 2)

Drawing Number: 2015/15/04 Rev.

APPENDIX B

Envirocheck Report



constructiveevaluation
site investigation • building pathology



Envirocheck® Report:

Datasheet

Order Details:

Order Number:

109668009_1_1

Customer Reference:

17.9382

National Grid Reference:

494550, 102370

Slice:

A

Site Area (Ha):

0.3

Search Buffer (m):

1000

Site Details:

Sack Lane Barn

Sack Lane

BOGNOR REGIS

West Sussex

PO22 9PE

Client Details:

Mr M Smeeth

Constructive Evaluation

Unit 15 & 16

Ford Lane Business Park

Ford

Arundel

West Sussex

BN18 0UZ



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	25
Hazardous Substances	-
Geological	26
Industrial Land Use	27
Sensitive Land Use	29
Data Currency	30
Data Suppliers	34
Useful Contacts	35

Introduction

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

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

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Report Version v50.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		3	1	43
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 13				3
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 13				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 13		Yes		
Pollution Incidents to Controlled Waters	pg 14				2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 14			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 14			3	7 (*16)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 20	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 21	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 21	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 21		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 21		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 21		Yes	Yes	n/a
Detailed River Network Offline Drainage					n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (* up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 25				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 25	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 25				1
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 26	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 26				1
Brine Compensation Areas			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 26	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 26	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 26	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (* up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 27				14
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 29	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	0	1	494554 102373
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	58	1	494600 102450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	135	1	494600 102450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	235	1	494700 102600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	409	1	495500 102373
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	473	1	494900 102750
1	Discharge Consents Operator: The Occupier Property Type: Undefined Or Other Location: Lidsey Lodge Farm, Shripney West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: 501126 Permit Version: 1 Effective Date: 22nd May 1993 Issued Date: 22nd May 1993 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Controlled Sea Environment: Receiving Water: Controlled Sea Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A19NW (NW)	33	2	494520 102430
2	Discharge Consents Operator: Michael Terry & Leonie Terry Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Barn, Sack Lane, Lidsey, Bognor Regis West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: PQ5793 Permit Version: 1 Effective Date: 2nd May 1995 Issued Date: 2nd May 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Into Land Environment: Receiving Water: Into Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A13NW (N)	182	2	494550 102570
2	Discharge Consents Operator: Francis Builders & Contractors Property Type: Undefined Or Other Location: The Barn, Sack Lane, Lidsey, BOGNOR REGIS, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: PQ4772 Permit Version: 1 Effective Date: 3rd May 1993 Issued Date: 3rd May 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A13NW (N)	182	2	494530 102590



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Hochtief (UK) Construction Ltd Property Type: CONSTRUCTION OF BUILDINGS Location: Bognor Northern Relief Road Viaduct, Shipney, Bognor Regis, West Sussex, PO22 9nw Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprab3595vi Permit Version: 1 Effective Date: 28th May 2014 Issued Date: 28th May 2014 Revocation Date: 22nd August 2018 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsay Rife Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	ASNE (E)	341	2	494622 101998
4	Discharge Consents Operator: Hochtief (UK) Construction Ltd Property Type: CONSTRUCTION OF BUILDINGS Location: Bognor Northern Relief Road Viaduct, Shipney, Bognor Regis, West Sussex, PO22 9nw Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprab3595vi Permit Version: 1 Effective Date: 28th May 2014 Issued Date: 28th May 2014 Revocation Date: 22nd August 2018 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsay Rife Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	ASNE (SE)	501	2	494872 101942
5	Discharge Consents Operator: Hochtief (UK) Construction Ltd Property Type: CONSTRUCTION OF BUILDINGS Location: Bognor Northern Relief Road Viaduct, Shipney, Bognor Regis, West Sussex, PO22 9nw Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprab3595vi Permit Version: 1 Effective Date: 28th May 2014 Issued Date: 28th May 2014 Revocation Date: 22nd August 2018 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsay Rife Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	ASNW (SE)	594	2	494849 101854
6	Discharge Consents Operator: Mrs Joan Egging Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Grange The Grange, Secks Lane, Lidsay, West Sussex, PO22 9pe Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: Npswqd002117 Permit Version: 1 Effective Date: 4th June 2008 Issued Date: 4th June 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Ground Waters Via Soakaway Status: New Consent (Water Resources Act 1991, Section 86 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A173E (NW)	669	2	493966 102752

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsay S.T.W., Lidsay West Sussex Authority: Environment Agency, Southern Region Catchment Area: Old-Stream 80 Reference: A00153 Permit Version: 3 Effective Date: 31st December 2000 Issued Date: 21st December 2000 Revocation Date: 31st March 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater Stream Or River Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m.	A18NW (N)	765	2	494470 103170
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsay S.T.W., Lidsay West Sussex Authority: Environment Agency, Southern Region Catchment Area: Old-Stream 80 Reference: A00153 Permit Version: 2 Effective Date: 19th October 1988 Issued Date: 19th October 1988 Revocation Date: 30th December 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater Stream Or River Status: Pre National Rivers Authority Legislation where issue date < 01/05/1989 Positional Accuracy: Located by supplier to within 10m.	A18NW (N)	765	2	494470 103170
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsay S.T.W., Lidsay West Sussex Authority: Environment Agency, Southern Region Catchment Area: Stream Reference: A00153 Permit Version: 1 Effective Date: 29th July 1988 Issued Date: 29th July 1988 Revocation Date: 18th October 1988 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater Stream Or River Status: Pre National Rivers Authority Legislation where issue date < 01/05/1989 Positional Accuracy: Located by supplier to within 100m.	A18NW (N)	765	2	494470 103170
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsay S.T.W., Lidsay West Sussex Authority: Environment Agency, Southern Region Catchment Area: Old-Stream 80 Reference: A00153 Permit Version: 3 Effective Date: 31st December 2000 Issued Date: 21st December 2000 Revocation Date: 31st March 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater Stream Or River Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m.	A18NW (N)	784	2	494480 103180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsay S.T.W., Lidsay West Sussex Authority: Environment Agency, Southern Region Catchment Area: Old-Stream 60 Reference: A00153 Permit Version: 2 Effective Date: 18th October 1988 Issued Date: 18th October 1988 Revocation Date: 30th December 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Freshwater Stream Or River Receiving Water: Freshwater Stream Or River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	784	2	494480 103190
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsay S.T.W., Lidsay West Sussex Authority: Environment Agency, Southern Region Catchment Area: Stream Reference: A00153 Permit Version: 1 Effective Date: 28th July 1988 Issued Date: 28th July 1988 Revocation Date: 18th October 1988 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Freshwater Stream Or River Receiving Water: Freshwater Stream Or River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18NW (N)	784	2	494480 103190
7	Discharge Consents Operator: Southern Water Services Limited. + Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsay Wwtw, Shipney Road, Lidsay, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01208 Permit Version: 11 Effective Date: 2nd July 2015 Issued Date: 2nd July 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - S/W Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Lidsay Rife Receiving Water: Lidsay Rife Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	790	2	494482 103198
7	Discharge Consents Operator: Southern Water Services Limited. + Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsay Wwtw, Shipney Road, Lidsay, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01208 Permit Version: 16 Effective Date: 31st March 2014 Issued Date: 21st November 2013 Revocation Date: 1st July 2015 Discharge Type: Sewage Discharges - S/W Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Lidsay Rife Receiving Water: Lidsay Rife Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	790	2	494482 103198

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Southern Water Services Limited. + Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 8 Effective Date: 21st November 2013 Issued Date: 21st November 2013 Revocation Date: 30th March 2014 Discharge Type: Sewage Discharges - Shw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	780	2	494482 103196
7	Discharge Consents Operator: Southern Water Services Limited. + Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 11 Effective Date: 2nd July 2015 Issued Date: 2nd July 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	781	2	494486 103197
7	Discharge Consents Operator: Southern Water Services Limited. + Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 10 Effective Date: 31st March 2014 Issued Date: 21st November 2013 Revocation Date: 1st July 2018 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	781	2	494486 103197
7	Discharge Consents Operator: Southern Water Services Limited. + Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 8 Effective Date: 21st November 2013 Issued Date: 21st November 2013 Revocation Date: 30th March 2014 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	781	2	494486 103197

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: A01209 Permit Version: 8 Effective Date: 16th November 2010 Issued Date: 16th November 2010 Revocation Date: 20th November 2013 Discharge Type: Sewage Discharges - S/W Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494480 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: A01209 Permit Version: 8 Effective Date: 16th November 2010 Issued Date: 16th November 2010 Revocation Date: 20th November 2013 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494480 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: A01209 Permit Version: 7 Effective Date: 23rd March 2010 Issued Date: 23rd March 2010 Revocation Date: 15th November 2010 Discharge Type: Sewage Discharges - S/W Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494480 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: A01209 Permit Version: 7 Effective Date: 23rd March 2010 Issued Date: 23rd March 2010 Revocation Date: 15th November 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494480 103200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ps Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 22nd March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	754	2	494480 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 22nd March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	754	2	494480 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 4 Effective Date: 28th November 2005 Issued Date: 28th November 2005 Revocation Date: 8th December 2007 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	754	2	494480 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 5 Effective Date: 7th December 2007 Issued Date: 28th November 2005 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	754	2	494480 103200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: AQ1209 Permit Version: 4 Effective Date: 28th November 2005 Issued Date: 28th November 2005 Revocation Date: 6th December 2007 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494490 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: AQ1209 Permit Version: 5 Effective Date: 7th December 2007 Issued Date: 28th November 2005 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494490 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: AQ1209 Permit Version: 2 Effective Date: 22nd October 2004 Issued Date: 22nd October 2004 Revocation Date: 22nd April 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494490 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtw, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: AQ1209 Permit Version: 2 Effective Date: 22nd October 2004 Issued Date: 22nd October 2004 Revocation Date: 22nd April 2005 Discharge Type: Sewage Discharges - Shw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494490 103200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtr, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 3 Effective Date: 23rd April 2005 Issued Date: 22nd October 2004 Revocation Date: 27th November 2005 Discharge Type: Sewage Discharges - Shw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494480 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtr, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 3 Effective Date: 23rd April 2005 Issued Date: 22nd October 2004 Revocation Date: 27th November 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494480 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtr, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: 21st October 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494480 103200
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lidsey Wwtr, Shipney Road, Lidsey, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: 21st October 2004 Discharge Type: Sewage Discharges - Shw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	794	2	494480 103200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsey Wwtw, Lidsey Road, Bognor Regis, West Sussex, PO22 5ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 8 Effective Date: 16th November 2010 Issued Date: 16th November 2010 Revocation Date: 30th March 2014 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Lidsey Rife Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	804	2	494490 103210
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsey Wwtw, Lidsey Road, Bognor Regis, West Sussex, PO22 5ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 8 Effective Date: 31st March 2014 Issued Date: 23rd March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Lidsey Rife Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	804	2	494490 103210
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsey Wwtw, Lidsey Road, Bognor Regis, West Sussex, PO22 5ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 7 Effective Date: 23rd March 2010 Issued Date: 23rd March 2010 Revocation Date: 15th November 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Lidsey Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	804	2	494490 103210
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsey Wwtw, Lidsey Road, Bognor Regis, West Sussex, PO22 5ph Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: A01209 Permit Version: 8 Effective Date: 1st April 2009 Issued Date: 14th October 2006 Revocation Date: 22nd March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Lidsey Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	804	2	494490 103210



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsay Works, Lidsay Road, Bognor Regis, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: A01209 Permit Version: 4 Effective Date: 28th November 2005 Issued Date: 28th November 2005 Revocation Date: 8th December 2007 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Lidsay Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	804	2	484490 103210
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsay Works, Lidsay Road, Bognor Regis, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: A01209 Permit Version: 5 Effective Date: 7th December 2007 Issued Date: 28th November 2005 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Lidsay Rife Status: Consent Currently Under Appeal Positional Accuracy: Located by supplier to within 10m	A18NW (N)	804	2	484490 103210
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsay Works, Lidsay Road, Bognor Regis, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: A01209 Permit Version: 2 Effective Date: 22nd October 2004 Issued Date: 22nd October 2004 Revocation Date: 22nd April 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Lidsay Rife Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	804	2	484490 103210
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsay Works, Lidsay Road, Bognor Regis, West Sussex, PO22 9ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: A01209 Permit Version: 3 Effective Date: 23rd April 2005 Issued Date: 22nd October 2004 Revocation Date: 27th November 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Lidsay Rife Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	804	2	484490 103210



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: Sewage Disposal Works - Water Company Location: Lidsay Mvsw, Lidsay Road, Bognor Regis, West Sussex, PO22 8ph Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: A01209 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: 21st October 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Saline Estuary Environment: Receiving Water: Lidsay Rife Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A16NW (N)	304	2	494490 103210
8	Discharge Consents Operator: Mrs S Scott Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Lidsay Farm House, Lidsay Lidsay Farm House, Lidsay Road, Lidsay, West Sussex, PO22 8pt Authority: Environment Agency, Southern Region Catchment Area: Aidingbourne/Barnham Rife Reference: P12003 Permit Version: 1 Effective Date: 5th April 2004 Issued Date: 5th April 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Ditch To Aidingbourne Rife Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	306	2	493850 102850
9	Discharge Consents Operator: Messrs John Turner & Partners Property Type: Undefined Or Other Location: Oldlands Farm, Shipway West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S01085 Permit Version: 1 Effective Date: 19th September 1963 Issued Date: 19th September 1963 Revocation Date: 21st March 1997 Discharge Type: Non Water Company (Private) Sewage Discharge: Controlled Sea Environment: Receiving Water: Controlled Sea Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A8SW (S)	913	2	494370 101440
10	Discharge Consents Operator: Mr E. Sawday Property Type: Undefined Or Other Location: Manor Farm House, Manor Farm, Apuldram, Chichester West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: Q01089 Permit Version: 1 Effective Date: 13th March 1963 Issued Date: 13th March 1963 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	389	2	494050 103270



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Integrated Pollution Prevention And Control Name: Angus Energy Waste Basin No3 Limited Location: Lidsey Well Site, Lidsey Oilfield, Lidsey Road, Bognor Regis, West Sussex, PO22 9PH Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: DP32362M Original Permit Ref: Yp3232I Effective Date: 15th March 2013 Status: Effective Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 10m Activity Code: 1.2 A(1) (H) (I) Activity Description: Loading/Storage/Treatment Etc Of Crude Oil Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A18NW (N)	920	2	494420 103320
11	Integrated Pollution Prevention And Control Name: Key Petroleum Waste Basin Ltd Location: Lidsey Well Site, Lidsey Oilfield, Lidsey Road, Bognor Regis, West Sussex, PO22 9PH Authority: Environment Agency - South East Region, Solent & South Downs Area Permit Reference: YP3232LL Original Permit Ref: Yp3232I Effective Date: 28th February 2007 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 1.2 A(1) (H) (I) Activity Description: Loading/Storage/Treatment Etc Of Crude Oil Primary Activity: Y	A18NW (N)	920	2	494420 103320
11	Integrated Pollution Prevention And Control Name: Key Petroleum Waste Basin Ltd Location: Lidsey Well Site, Lidsey Oilfield, Lidsey Road, Bognor Regis, West Sussex, PO22 9PH Authority: Environment Agency, Southern Region Permit Reference: YP3232LL Original Permit Ref: Yp3232I Effective Date: 28th February 2007 Status: Effective Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned within the geographical locality Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 1.2 A(1) (H) (I) Activity Description: Loading/Storage/Treatment Etc Of Crude Oil Primary Activity: Y	A18NW (N)	958	2	494433 103380
12	Local Authority Pollution Prevention and Controls Name: Marine Park Ltd T/A National Boat Company Location: Lidsey Road, Lidsey, Nr Chichester, Bognor Regis, West Sussex, PO22 9PH Authority: Arun District Council, Environmental Health Department Permit Reference: 3482 Dated: 12th November 1992 Process Type: Local Authority Air Pollution Control Description: P3075 Maggot breeding processes Status: Authorisation revoked/Revoked Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	806	3	493508 102798
	Nearest Surface Water Feature	A13NE (NE)	135	-	494710 102455

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Pollution Incidents to Controlled Waters Property Type: Horticultural Location: At The Holding, Shipney Road Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Leaking Heating Oil From Storage Tank To Drainage Ditch Incident Date: 18th February 1996 Incident Reference: 1572 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	799	2	493620 101980
14	Pollution Incidents to Controlled Waters Property Type: Fishing Location: River Upstream Of Lidsey Saw, LIDSEY, West Sussex Authority: Environment Agency, Southern Region Pollutant: Other Pollutant Note: Not Supplied Incident Date: 8th December 1999 Incident Reference: 3956 Catchment Area: Arun Receiving Water: Potential River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A23SE (N)	963	2	494800 103350
	River Quality Name: Lidsey Rife BGA Grade: River Quality E Reach: Aidingbourne/Barnham Rifes - Westergate Estimated Distance (km): 8.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A14NW (E)	443	2	499003 102656
15	Water Abstractions Operator: Ashmarden Ltd Licence Number: 10/41/542102/R01 Permit Version: 1 Location: Between Points C&D At Lidsey Basset Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	493	2	494831 102749
15	Water Abstractions Operator: Ashmarden Ltd Licence Number: 10/41/542102 Permit Version: 101 Location: Between Points C&D At Lidsey Basset Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land And Buildings Marked Pink On The Plan Accompanying This Licence. Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 10th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	506	2	494850 102740



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Water Abstractions Operator: Ashmarden Ltd Licence Number: 10/41/542102 Permit Version: 100 Location: Between Points C&D At Lidsey, Bersted Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land And Buildings Marked Pink On This Plan Accompanying This Licence Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 20th May 1988 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18SW (NE)	500	2	494950 102740
18	Water Abstractions Operator: Hochtief UK Construction Ltd Licence Number: So/041/0024/009 Permit Version: 1 Location: Lidsey Rife At Bnr Viaduct Project Office Authority: Environment Agency, Southern Region Abstraction: Construction: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 12th June 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	501	2	494873 101942
16	Water Abstractions Operator: Hochtief UK Construction Ltd Licence Number: So/041/0024/008 Permit Version: 1 Location: Lidsey Rife At Bnr Viaduct Project Office Authority: Environment Agency, Southern Region Abstraction: Construction: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 12th June 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	501	2	494873 101942
17	Water Abstractions Operator: Lidsey Farm Licence Number: 10/41/542010 Permit Version: 101 Location: Lidsey Rife Reach A-B, Lidsey Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land Coloured Pink On The Said Map Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 31st March 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10NW (N)	264	2	494310 103280



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Water Abstractions Operator: Lidsey Farm Licence Number: 10/41542010 Permit Version: 100 Location: Lidsey Rife Reach A-B, Lidsey Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land Coloured Pink On The Sold Map Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 10th May 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (N)	864	2	494310 103360
18	Water Abstractions Operator: Ashmarden Ltd Licence Number: S01541/0024/007 Permit Version: 1 Location: Lidsey Rife (West Branch) At Headhone Farm Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Headhone Farm, Lidsey Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 31st March 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (N)	958	2	494281 103329
18	Water Abstractions Operator: Mr R Eiggins Licence Number: 277208/R01 Permit Version: 1 Location: West Branch Of The Lidsey Rife Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (N)	968	2	494290 103340
18	Water Abstractions Operator: Lidsey Farm Licence Number: 277208 Permit Version: 1 Location: West Branch Of The Lidsey Rife Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 16th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16NW (N)	966	2	494290 103340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lidsey Farm Licence Number: 19/41/542010 Permit Version: 101 Location: Lidsey Rife Reach C-D, Lidsey Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used Be Used On Land Coloured Pink On The Said Map Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 31st March 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (N)	1196	2	494930 103540
	Water Abstractions Operator: Lidsey Farm Licence Number: 10/41/542010 Permit Version: 100 Location: Lidsey Rife Reach C-D, Lidsey Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 227 Yearly Rate (m3): 14090 Details: Water Abstracted Shall Be Used Be Used On Land Coloured Pink On The Said Map Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 10th May 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (N)	1196	2	494930 103540
	Water Abstractions Operator: Langmead Farms Ltd Licence Number: S0041/0024/005 Permit Version: 1 Location: Ryelank Rife - Stakers Farm, Yapton Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15SW (E)	1251	2	495837 102285
	Water Abstractions Operator: The Donald Langmead Partnership Licence Number: 541001 Permit Version: Not Supplied Location: Whitehouse Farm, BERSTED Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 545 Yearly Rate (m3): 9090 Details: Aldingbourns Rife 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	A3NW (SW)	1466	2	493630 101190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Langmead Farms Ltd Licence Number: 10/41/541004 Permit Version: 102 Location: At Shripney Farm, Bognor Regis Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land And Buildings Marked Pink On The Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th June 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1646	2	492870 102440
	Water Abstractions Operator: Mr D W Langmead Licence Number: 10/41/541004 Permit Version: 100 Location: At Shripney Farm, Bognor Regis Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land And Buildings Marked Pink On The Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th March 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1646	2	492870 102440
	Water Abstractions Operator: James D Baisd (Home Farm) Ltd Licence Number: 10/41/411016 Permit Version: 101 Location: Ryebank Rife - New Reach Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 8th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A10NE (E)	1662	2	498190 101540
	Water Abstractions Operator: The Donald Langmead Partnership Licence Number: 10/41/542082 Permit Version: 100 Location: At Flansham Farm, Flansham Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used Only On Lands And Buildings In The Occupation Of The Licence Holder At Flansham Farm Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 7th December 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10SE (SE)	1754	2	498080 101450



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: The Donald Langmead Partnership Licence Number: 10/41/541001 Permit Version: 100 Location: Aidingbourne Rise At Whitehouse Farm Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land And Buildings Marked Pink On The Licence Map Authorised Start: 01 June Authorised End: 30 September Permit Start Date: 7th December 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	ASW (SW)	1769	2	492920 101610
	Water Abstractions Operator: Langmead Farms Ltd Licence Number: 27/209/R01 Permit Version: 1 Location: Ryebank Rise, Point A - Bilsam Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1848	2	498350 101655
	Water Abstractions Operator: Langmead Farms Ltd Licence Number: 27/209 Permit Version: 1 Location: Ryebank Rise, Point A - Bilsam Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 16th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1855	2	498360 101630
	Water Abstractions Operator: Ashmarden Ltd Licence Number: 10/41/542102/R01 Permit Version: 1 Location: Between Points A&B At Lindsey, Bersted Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1913	2	494380 104312



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Ashmarden Ltd Licence Number: 10/41/542102 Permit Version: 101 Location: Between Points A&B At Lidsey, Bersted Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land And Buildings Marked Pink On The Plan Accompanying This Licence Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 10th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1919	2	494380 104320
	Water Abstractions Operator: Ashmarden Ltd Licence Number: 10/41/542102 Permit Version: 100 Location: Between Points A&B At Lidsey, Bersted Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 909 Yearly Rate (m3): 24545.2 Details: Water Abstracted Shall Be Used On Land And Buildings Marked Pink On The Plan Accompanying This Licence Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 20th May 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1919	2	494380 104320
	Water Abstractions Operator: The Donald Langmead Partnership Licence Number: 10/41/541052 Permit Version: 100 Location: Point 2 At Shripney Farm & Flansham Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land And Buildings In The Occupation Of The Licence Holder At Shripney And Flansham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1964	2	495440 101760
	Water Abstractions Operator: The Donald Langmead Partnership Licence Number: 10/41/541052 Permit Version: 100 Location: Point 1 At Shripney Farm & Flansham Farm Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 1659.1 Details: Water Abstracted Shall Be Used On Land And Buildings In The Occupation Of The Licence Holder At Shripney And Flansham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st March 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1972	2	492680 102760
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 45 West Sussex and Surrey Scale: 1:100,000	A12NE (E)	0	2	494554 102373
	Drift Deposits None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (E)	0	1	494554 102373
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (E)	0	1	494554 102373
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	70	2	494516 102472
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	115	2	494509 102518
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	135	2	494594 102490
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	157	2	494727 102471
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	101	2	494582 102502
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial/Tidal Models Boundary Accuracy: As Supplied	A13NW (N)	145	2	494546 102553
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	181	2	494637 102568
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	184	2	494656 102567
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (NE)	186	2	494655 102567
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13NE (N)	245	2	494652 102629
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
10	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NE)	138	2	494711 102460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGH
20	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (N)	153	2	494566 102569
21	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NE)	206	2	494714 102566
22	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NE)	222	2	494751 102546
23	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NE)	222	2	494751 102546
24	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (N)	236	2	494847 102822
25	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SE (E)	283	2	494851 102276

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13SE (SE)	321	2	494795 102115
27	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8NE (S)	358	2	494822 101881
28	Detailed River Network Lines River Type: Tertiary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8NE (S)	414	2	494870 101820
29	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Secondary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	429	2	494703 102837
30	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	429	2	494703 102837
31	Detailed River Network Lines River Type: Secondary River River Name: Drain Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Drain (ditch, Reen, Rhyne, Drain) Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A8NE (S)	471	2	494871 101876

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Detailed River Network Lines River Type: Primary River River Name: Ryebank Rife Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Lidsay Rife Name: Water Course: N404 Reference:	ASNW (SE)	478	2	494909 102009
33	Detailed River Network Lines River Type: Primary River River Name: Not Supplied Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Lidsay Rife Name: Water Course: N404 Reference:	A14NW (NE)	479	2	494899 102008
34	Detailed River Network Lines River Type: Primary River River Name: Ryebank Rife Hydrographic Area: B07 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: Lidsay Rife Name: Water Course: N404 Reference:	A14SW (SE)	484	2	494882 102048
	Detailed River Network Offline Drainage None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Historical Landfill Sites Licence Holder: Not Supplied Location: Lidsay, Sussex Name: Disused Canal East Of A27 Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD20381 First Input Date: 31st December 1950 Last Input Date: 31st December 1960 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3802/8108 BGS Ref: Not Supplied Other Ref: WD27/141	A18NW (N)	997	2	494310 102274
	Local Authority Landfill Coverage Name: Arun District Council - Has no landfill data to supply		0	5	494554 102373
	Local Authority Landfill Coverage Name: West Sussex County Council - Has supplied landfill data		0	4	494554 102373
38	Local Authority Recorded Landfill Sites Location: Old Canal East Of A29, Lidsay Reference: Not Supplied Authority: West Sussex County Council, Environment & Development Last Reported: Unknown Status: Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A18NW (N)	903	4	494400 103360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13NE (E)	0	1	494554 102373
37	BGS Recorded Mineral Sites Site Name: Lidsley Oil Site Location: Bognor Regis, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 4621 Type: Liquid or Gas Extraction Status: Active Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Great Oolite Group Commodity: Oil Positional Accuracy: Located by supplier to within 100m	A18NW (N)	883	1	494500 102300
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	494554 102373
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	153	1	494612 102546
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	494554 102373
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	494554 102373
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	494554 102373
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	494554 102373
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	153	1	494612 102546
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	494554 102373
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	153	1	494612 102546
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	494554 102373
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions. Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	1	494554 102373



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGH
38	Contemporary Trade Directory Entries Name: Whyvern Waste Services Ltd Location: Shipway Road, Bognor Regis, West Sussex, PO22 8PA Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	729	-	493788 102407
39	Contemporary Trade Directory Entries Name: Gerald Toynbee (Contractors) Ltd Location: Polson Dairy, Lidsey Farm House, Lidsey Rd, Bognor Regis, West Sussex, PO22 8PF Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	788	-	493865 102840
40	Contemporary Trade Directory Entries Name: Howla Mountain Boards Location: Polson Dairy, Lidsey Road, Bognor Regis, West Sussex, PO22 8PF Classification: Sports Equipment Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	884	-	493944 103057
41	Contemporary Trade Directory Entries Name: Olympic Waste Systems Location: Lennox House Works, 10, Beeding Close, Bognor Regis, West Sussex, PO22 8TS Classification: Waste Processing Machinery Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	942	-	494477 101394
41	Contemporary Trade Directory Entries Name: G G Compactors Location: Lennox House Works, 10, Beeding Close, Bognor Regis, PO22 8TS Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	948	-	494487 101390
41	Contemporary Trade Directory Entries Name: Eurotek Commercial Location: 6-7, Beeding Close, Bognor Regis, West Sussex, PO22 8TS Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	953	-	494478 101389
41	Contemporary Trade Directory Entries Name: Polestar Cooling Ltd Location: 6-7, Beeding Close, Bognor Regis, West Sussex, PO22 8TS Classification: Refrigeration Equipment Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	953	-	494428 101388
41	Contemporary Trade Directory Entries Name: Dee Box Finishers Location: 5, Beeding Close, Bognor Regis, West Sussex, PO22 8TS Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	958	-	494408 101387
41	Contemporary Trade Directory Entries Name: Euro Aluminium Ltd Location: 4, Beeding Close, Bognor Regis, PO22 8TS Classification: Door Manufacturers - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	974	-	494395 101373
41	Contemporary Trade Directory Entries Name: Euro Aluminium Ltd Location: 4, Beeding Close, Bognor Regis, PO22 8TS Classification: Door Manufacturers - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	975	-	494395 101373
41	Contemporary Trade Directory Entries Name: Queensfield Precision Engineers Ltd Location: 4, Beeding Close, Bognor Regis, West Sussex, PO22 8TS Classification: Tool Design, Manufacturers & Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	975	-	494395 101373

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	Contemporary Trade Directory Entries Name: Jewson Location: 11, Beeding Close, Bognor Regis, PO22 9TS Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A3NW (S)	998	-	484442 101342
41	Contemporary Trade Directory Entries Name: Sun-X Ltd Location: Unit G1 Beeding Close, Bognor Regis, West Sussex, PO22 9TS Classification: Window Film Manufacturers and Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A3NW (S)	998	-	484442 101342
41	Contemporary Trade Directory Entries Name: Build Center Location: 11, Beeding Close, Bognor Regis, West Sussex, PO22 9TS Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NW (S)	999	-	484442 101342



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Nitrate Vulnerable Zones Name: Description: Source: Not Supplied Surface Water Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NE (E)	0	7	494554 102373

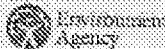
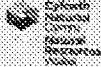
Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Arun District Council - Environmental Health Department Chichester District Council - Environmental Health Department	July 2013 July 2013	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment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

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Environment Agency - Head Office	October 2016	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2016	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2016	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2016	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2016	Quarterly
Flood Defences Environment Agency - Head Office	November 2016	Quarterly
Detailed River Network Lines Environment Agency - Head Office	September 2014	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually
Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	August 2016	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	August 2016 August 2016	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	October 2016 October 2016	Quarterly Quarterly
Local Authority Landfill Coverage Arun District Council - Technical Support Unit Chichester District Council - Environmental Health Department West Sussex County Council - Environment & Development	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Arun District Council - Technical Support Unit Chichester District Council - Environmental Health Department West Sussex County Council - Environment & Development	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Sussex Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	July 2016	Bi-Annually
Explosive Sites Health and Safety Executive	September 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Arun District Council - Technical Support Unit Chichester District Council - Planning Department West Sussex County Council - Environment & Development	February 2016 February 2016 October 2008	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Arun District Council - Technical Support Unit Chichester District Council - Planning Department West Sussex County Council - Environment & Development	February 2016 February 2016 October 2008	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2016	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

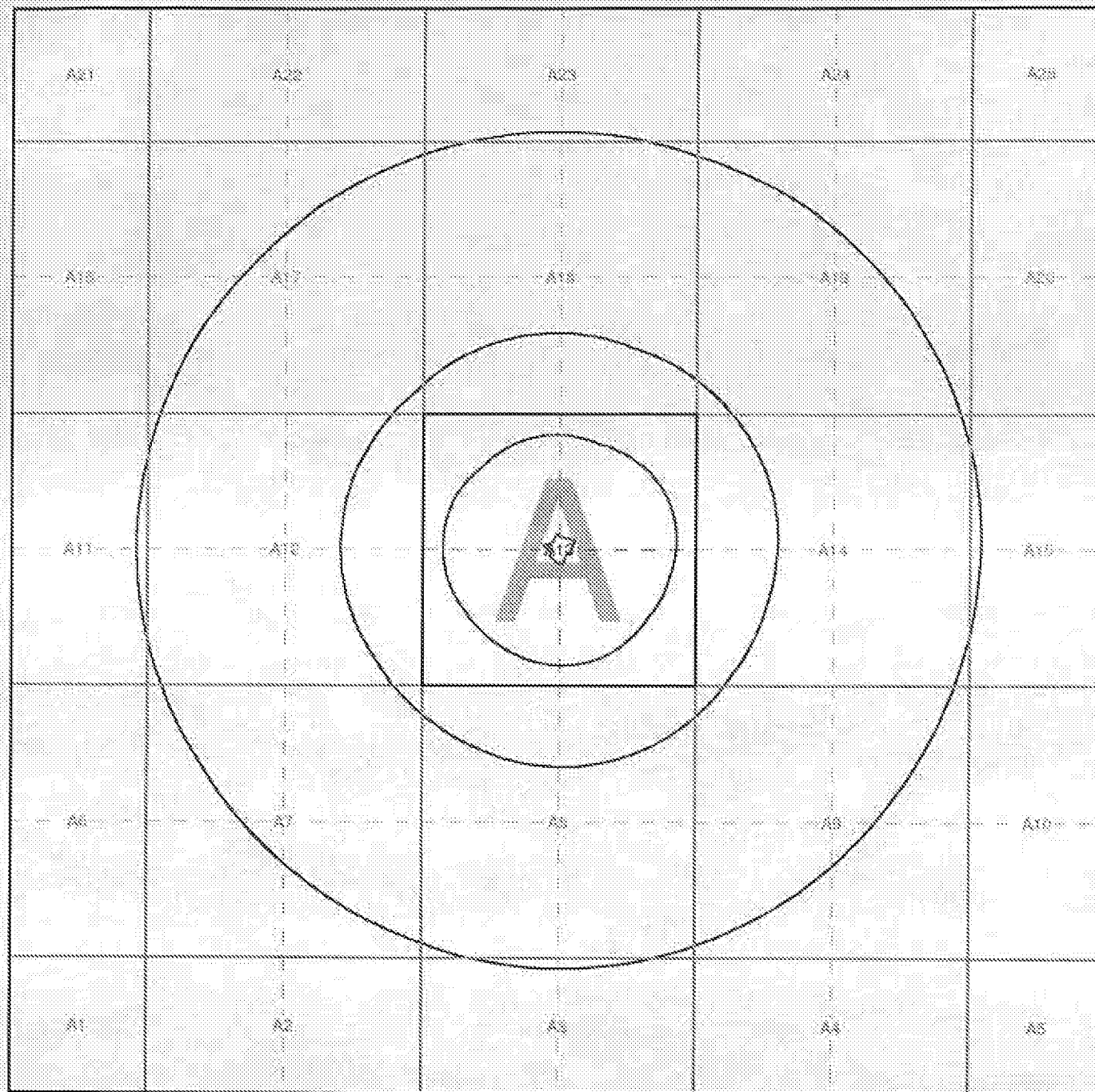
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2016	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2016	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Underground Electrical Cables National Grid	January 2016	Bi-Annually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

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3278 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 508 506 Email: enquiries@environment-agency.gov.uk
3	Arun District Council - Environmental Health Department Civic Centre, Maltravers Road, Littlehampton, Sussex, BN17 5LF	Telephone: 01903 737696 Fax: 01903 723936 Email: Environment@arun.gov.uk Website: www.arun.gov.uk
4	West Sussex County Council - Environment & Development County Hall, Tower hall, Chichester, West Sussex, PO19 1RH	Telephone: 01243 777100 Website: www.westsussex.gov.uk
5	Arun District Council - Technical Support Unit Civic Centre, Maltravers Road, Littlehampton, Sussex, BN17 5LF	Telephone: 01903 737500 Fax: 01903 730442 Website: www.arun.gov.uk
6	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnwood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2813333 Fax: 0113 230 0879
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 832622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 8952 Fax: 0844 844 8951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Site Investigation • Building Pathology

Index Map

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

Site

Each slice represents a 1:18,300 plot area (2.7m x 2.7m) 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 zone but is designed to give you a reference to your site and buffer.

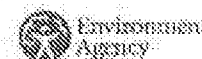
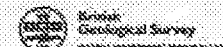
Segment

A segment represents a 1:2,500 plot area. Segments that have plot lines 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, SE, SW, NE and are referenced in the database to allow features to be quickly located on plans. 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 also provide data within this report:



Environmental reports are compiled from 136 different sources of data.

Client Details

Mr M Smeeth, Constructive Evaluation, Unit 15 & 16, Ford Lane Business Park, Ford, Arundel, West Sussex, BN18 0UZ

Order Details

Order Number: 109689059_1_1
Customer Ref: 17 9382
National Grid Reference: 404550, 102370
Site Area (ha): 0.3
Search Buffer (m): 1000

Site Details

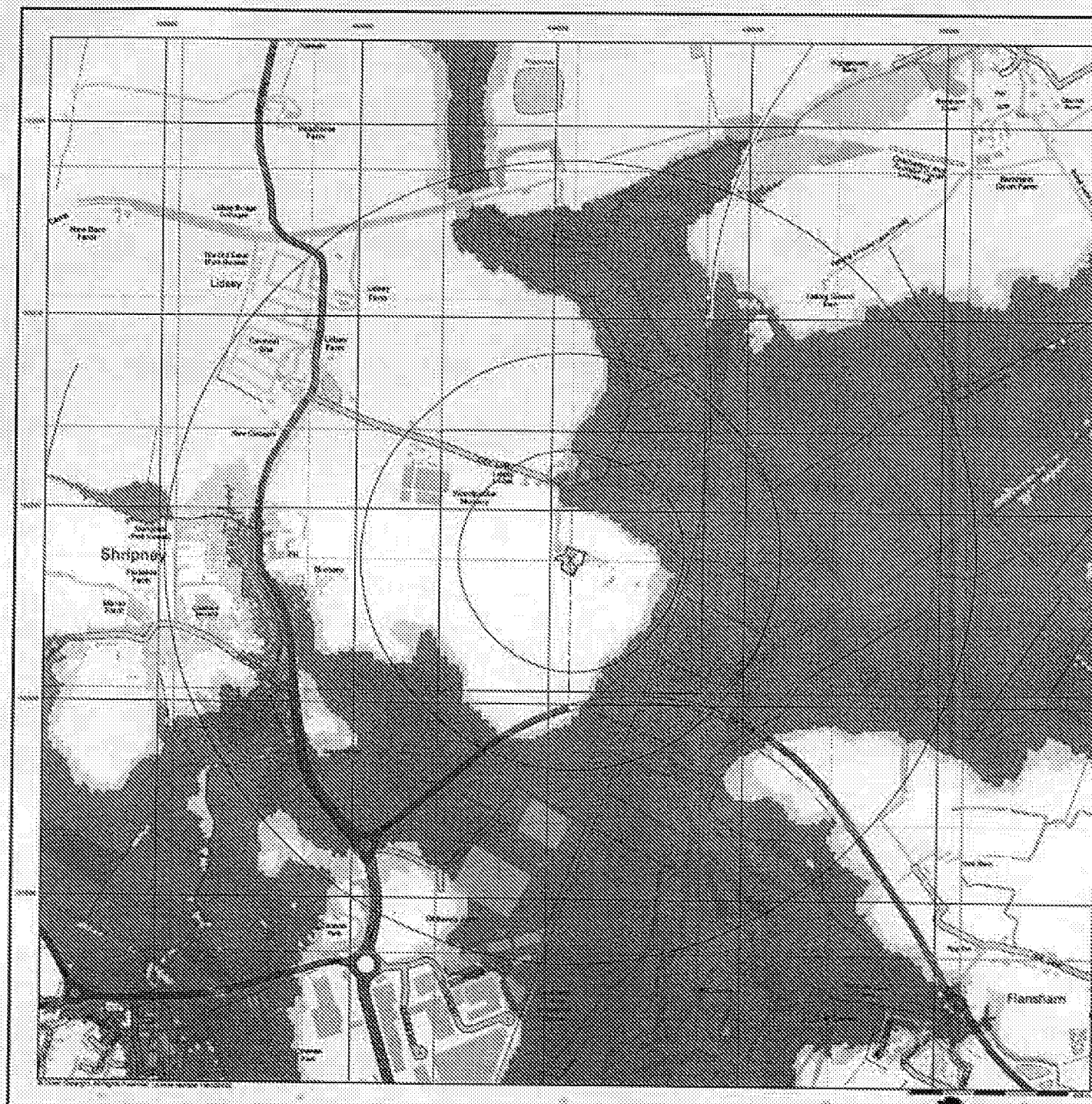
Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex, PO22 9PE

Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Graves13>

Landmark
Information Group

Tel: 01444 244 2802
Fax: 01444 244 2807
Email: info@landmarkinfo.co.uk

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site investigation • building pathology

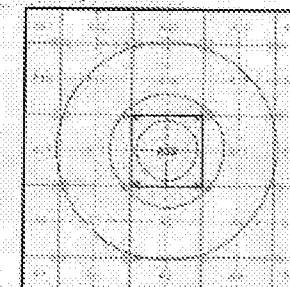
General

- General Site
- Detailed Section
- ✗ Emergency Access

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

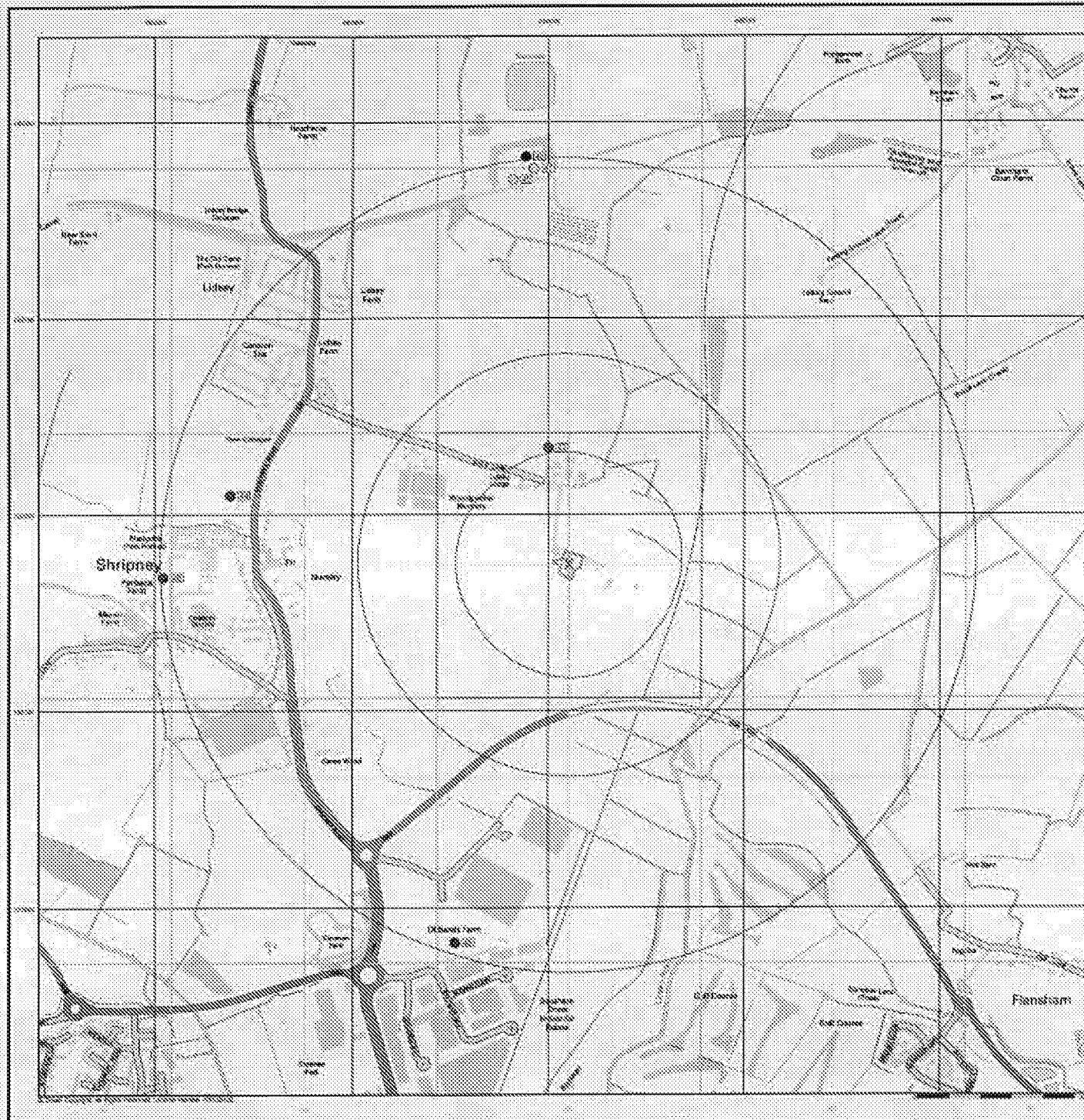
Order Number: 10966009_1_1
 Customer Ref: 17.9382
 National Grid Reference: 494850, 102370
 Slice: A
 Site Area (Ha): 0.3
 Search Buffer (m): 1000

Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex, PO22 9FE

Landmark
 A Landmark Information Group Service

Tel: 0844 644 2022
 Fax: 0844 644 2021
 Email: info@constructiveevaluation.co.uk



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General

- Borehole
- Specimen Borehole
- Borehole Reference Point
- Hole
- Section of Hole at Location

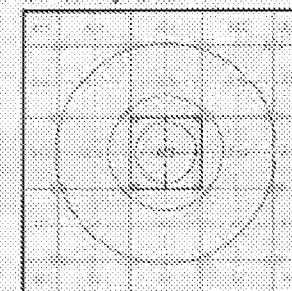
Agency and Hydrological (Boreholes)

- Borehole Depth 0 - 1m
- Borehole Depth 1 - 2m
- Borehole Depth 2 - 3m
- Confined
- Open

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

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

Borehole Map - Slice A



Order Details

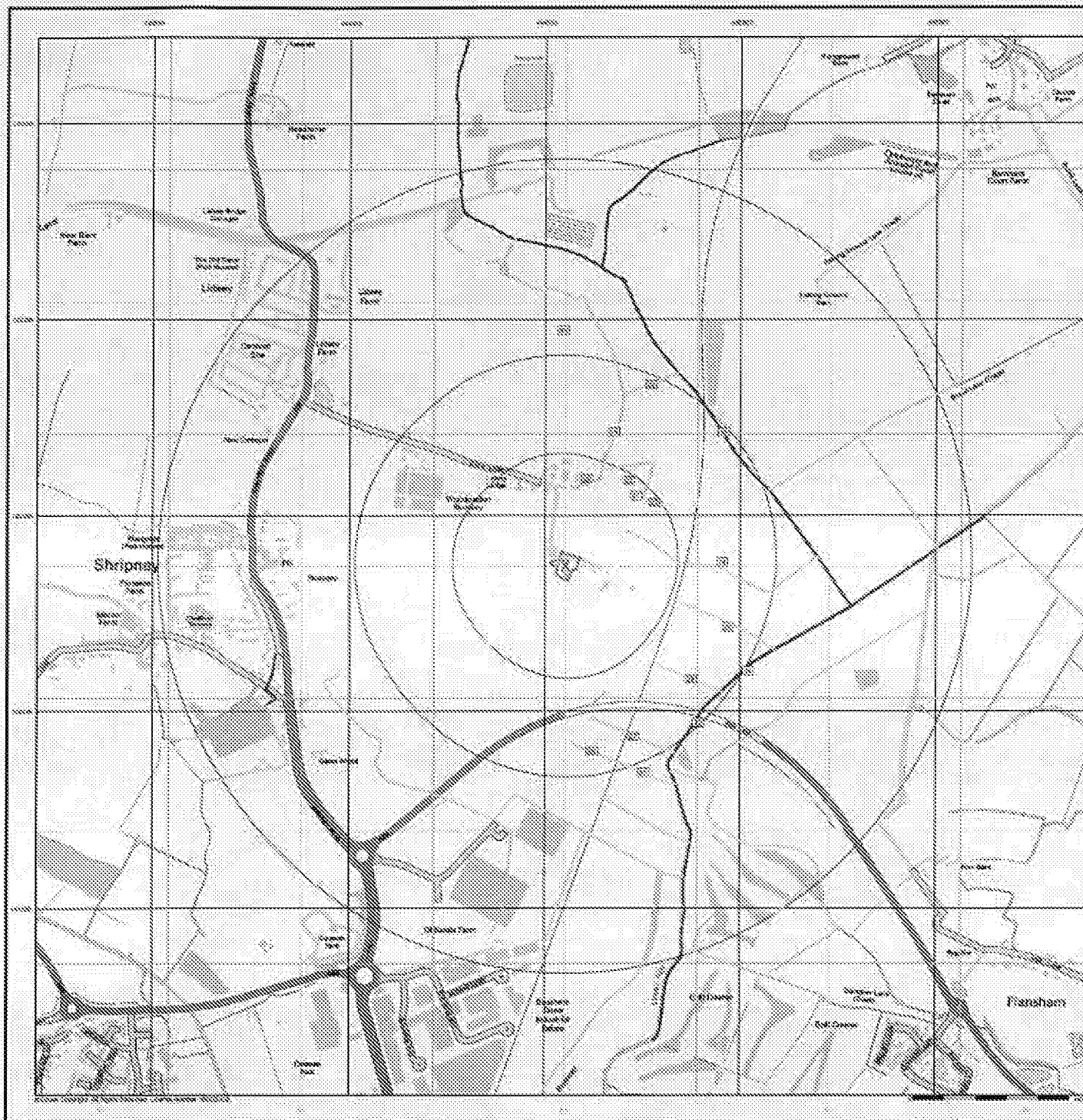
Order Number: 109658009_1_1
 Customer Ref: 17 9382
 National Grid Reference: 496550, 102370
 Slice: A
 Site Area (Ha): 0.3
 Search Buffer (m): 1000

Site Details

Sack Lane Farm, Sack Lane, BOSNOR REGIS, West Sussex, PO22 0PE

Landmark
 INFORMATION GROUP

Tel: 01444 204 5002
 Fax: 01444 204 5001
 Email: enructech@landmark.co.uk



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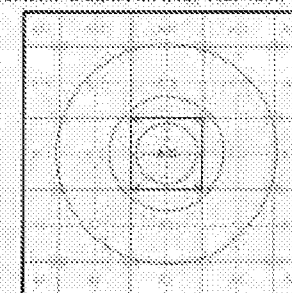
General

- 1.1. Neighbour
- 1.2. Boundary
- 1.3. Design/Access
- 1.4. etc.

Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Trench
- Gravelled River
- Canal/Drainage
- Canal/Drainage Feature
- Extended Drain (greater than 50m)
- Underground River (known)
- Underground River (not known)
- Overlayment of High Water Mark
- Overlayment of Lowest Elevation
- Not assigned River Status

EA/NRW Detailed River Network Map - Slice A



Order Details

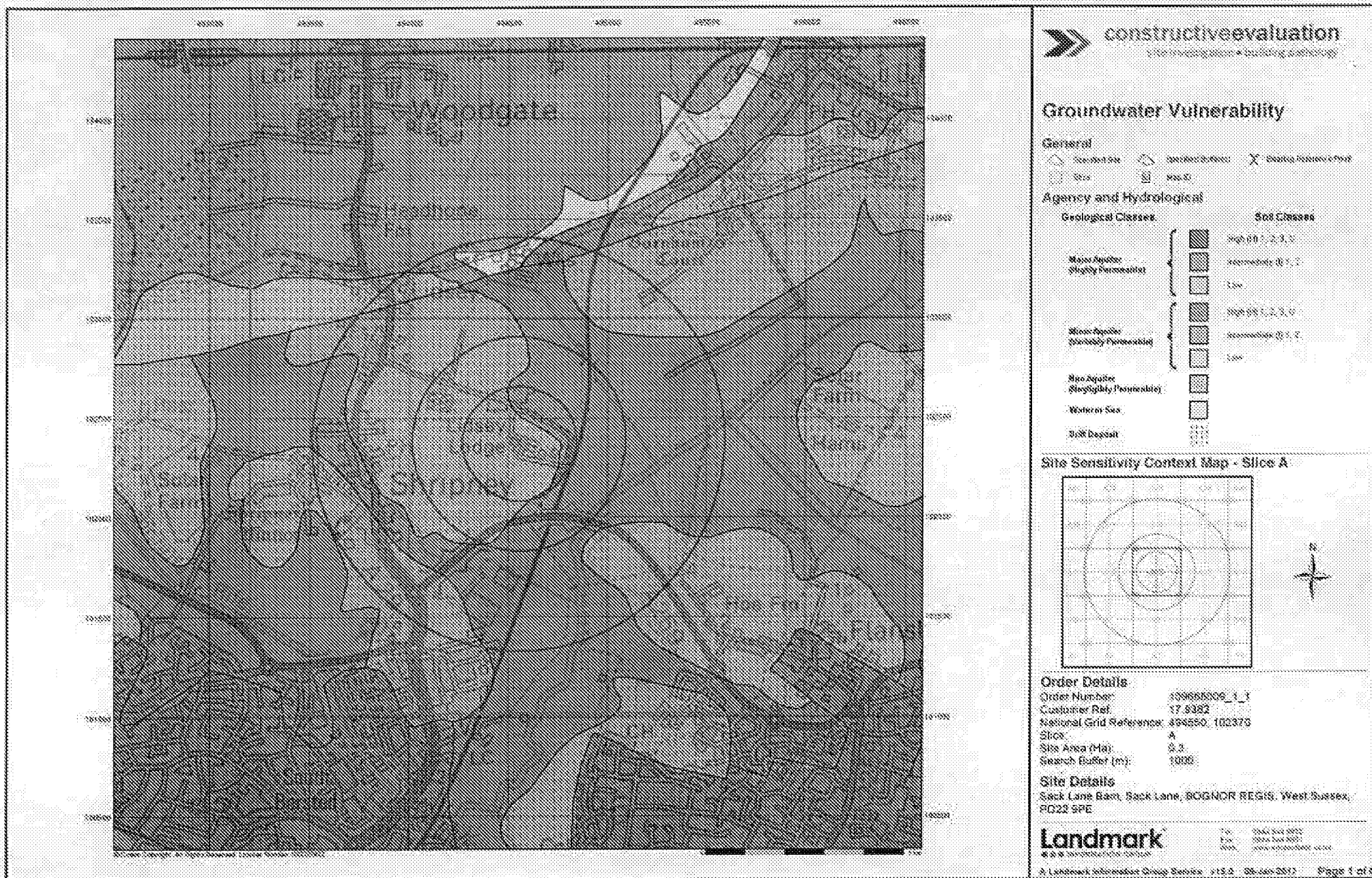
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 National Grid Reference: 494552, 102370
 Slice: A
 Site Area (ha): 0.3
 Search Buffer (m): 1000

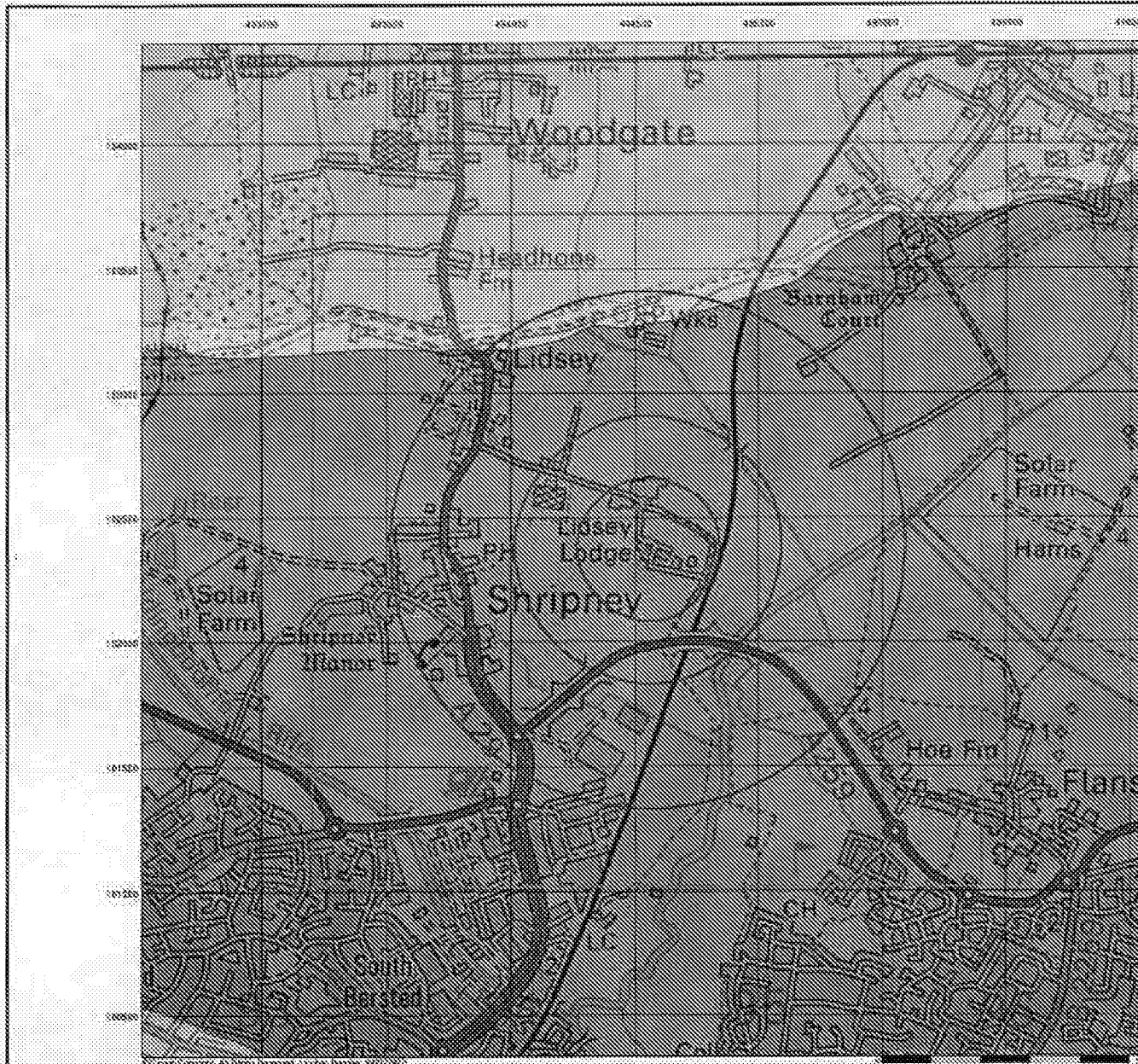
Site Details

Back Lane Farm, Back Lane, BOGNOR REGIS, West Sussex,
 PO22 9PE

Landmark
 site investigation & building pathology

1st: 10th Jan 2002
 1st: 10th Jan 2002
 1st: 10th Jan 2002





Bedrock Aquifer Designation

General

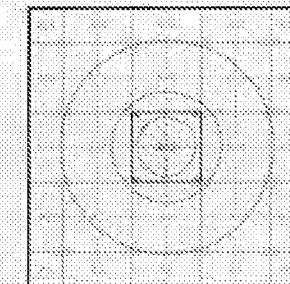
- Dashed Line
- Dotted Buffer
- Crossed Buffer
- Solid
- Hatched

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Unformalised
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landscapes)

Site Sensitivity Context Map - Slice A

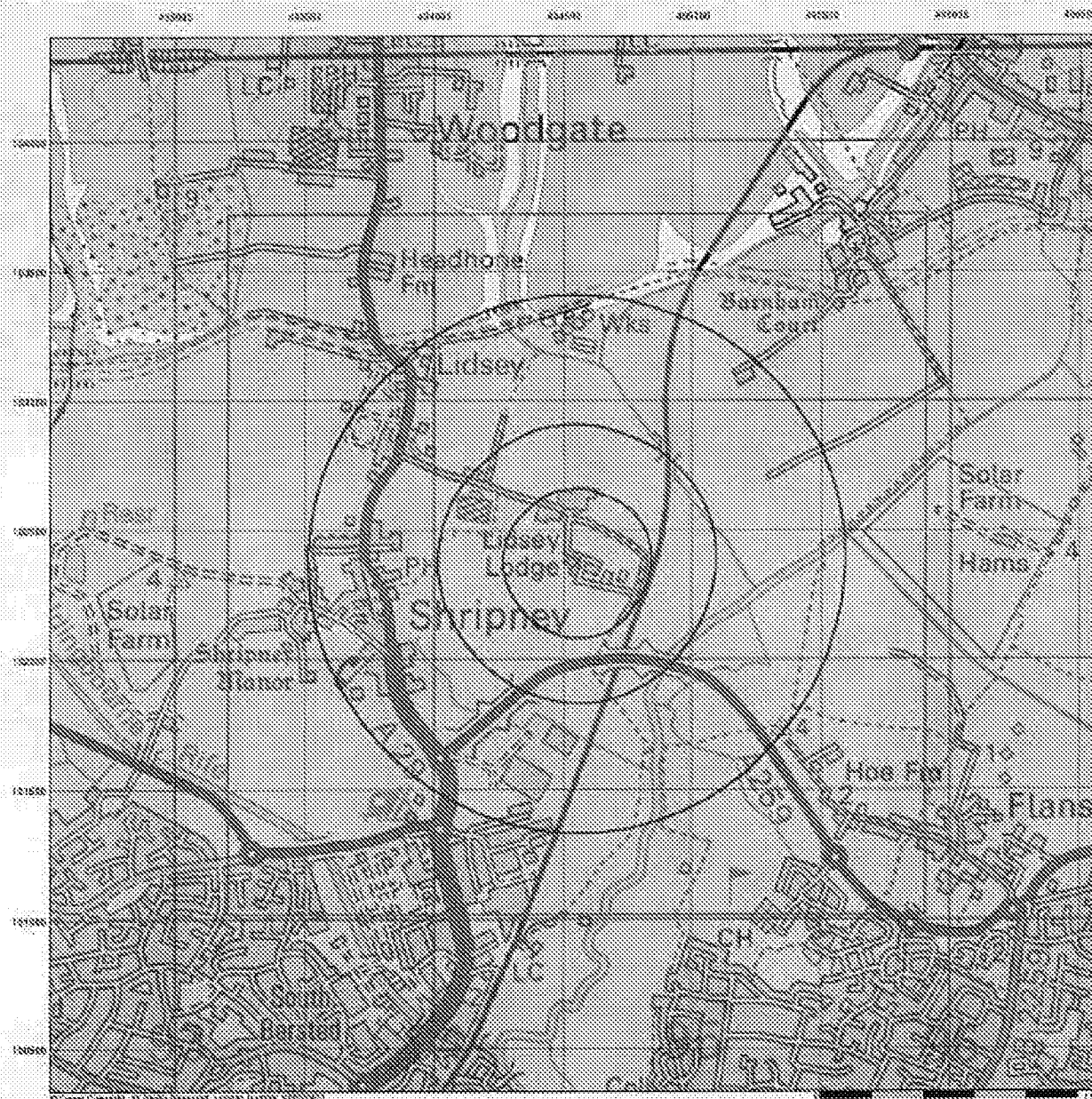


Order Details

Order Number: 100588005_1_1
Customer Ref: 17 8382
National Grid Reference: 494550, 100370
Slice: A
Site Area (Ha): 5.3
Search Buffer (m): 1500

Site Details

Sack Lane Farm, Sack Lane, BOGNOR REGIS, West Sussex,
PO22 8PE



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2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2650-2651-2652-2653-2654-2655-2656-2657-2658-2659-2660-2661-2662-2663-2664-2665-2666-2667-2668-2669-2670-2671-2672-2673-2674-2675-2676-2677-2678-2679-2680-2681-2682-2683-2684-2685-2686-2687-2688-2689-2690-2691-2692-2693-2694-2695-2696-2697-2698-2699-2700-2701-2702-2703-2704-2705-2706-2707-2708-2709-2710-2711-2712-2713-2714-2715-2716-2717-2718-2719-2720-2721-2722-2723-2724-2725-2726-2727-2728-2729-2730-2731-2732-2733-2734-2735-2736-2737-2738-2739-2740-2741-2742-2743-2744-2745-2746-2747-2748-2749-2750-2751-2752-2753-2754-2755-2756-2757-2758-2759-2760-2761-2762-2763-2764-2765-2766-2767-2768-2769-2770-2771-2772-2773-2774-2775-2776-2777-2778-2779-2780-2781-2782-2783-2784-2785-2786-2787-2788-2789-2790-2791-2792-2793-2794-2795-2796-2797-2798-2799-2800-2801-2802-2803-2804-2805-2806-2807-2808-2809-2810-2811-2812-2813-2814-2815-2816-2817-2818

Superficial Aquifer Designation

German

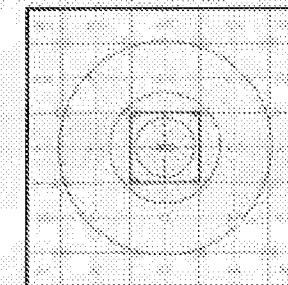
- ☐ Approved By: ☐ Submitted By: ☒ Billing Source Only
☐ Date: ☐ Rate:

Agency and Hydrological

গণপ্রজাতন্ত্রী বাংলাদেশ

-  Principal Aquifer
 Secondary A Aquifer
 Secondary B Aquifer
 Secondary Unconfined
 Unproductive Strata
 Unknown
 Unconsolidated and Unconsolidated

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 108668000_1_1
Customer Ref: 17.0382
National Grid Reference: 494550, 103370
Site: A
Site Area (Ha): 0.3
Search Buffer (m): 1000

Site Details

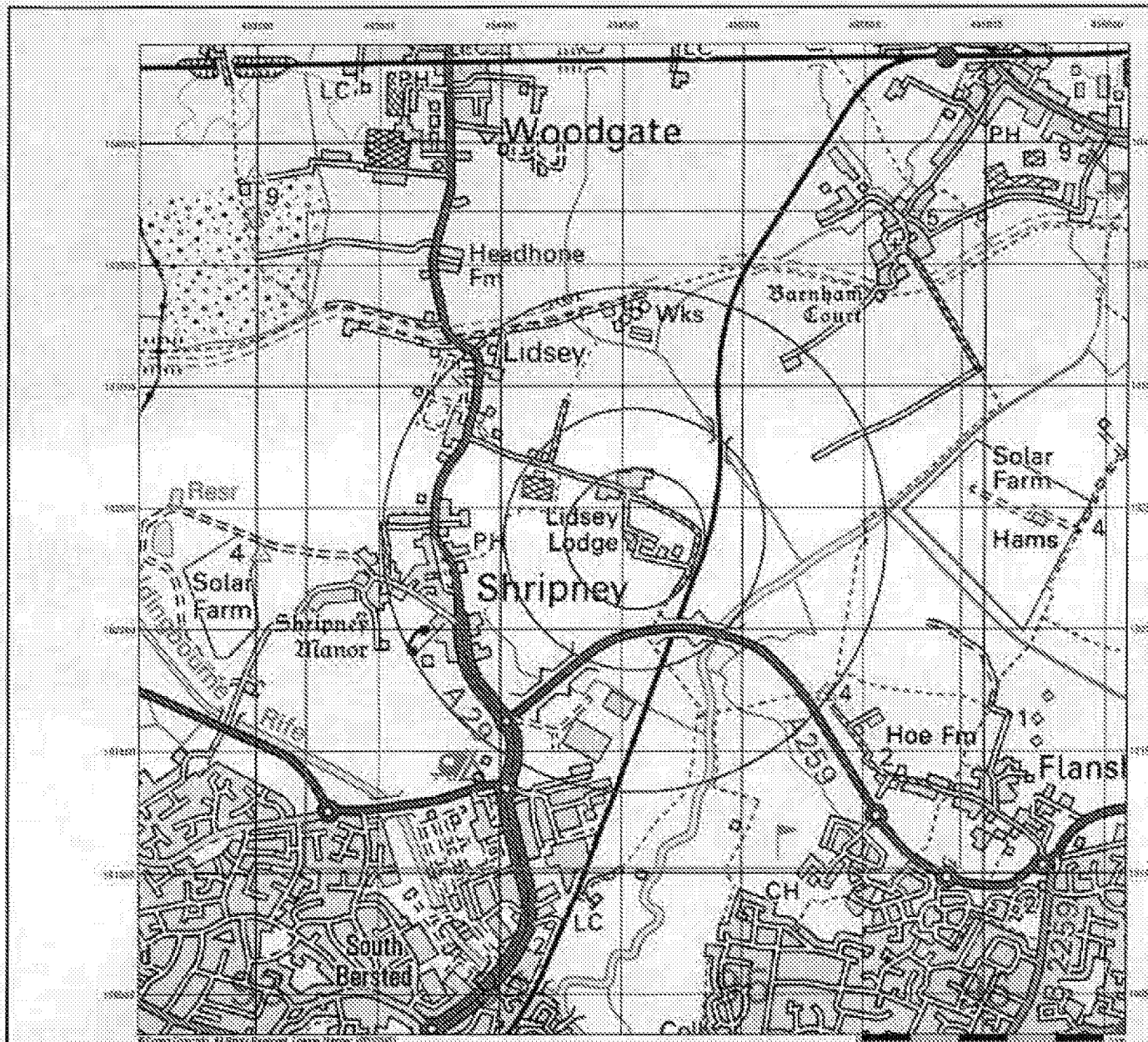
Sack Lane Barn, Sack Lane, BOUNOIR REGIS, West Sussex,
PO22 8PE

Landmark

Year	2004-2005
Age	0-25
Sex	Male

A Landmark Information Group Service 2153 26-Jan-2013

Page 3 of 4



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 site investigation • building pathology

Source Protection Zones

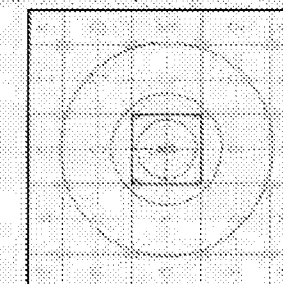
General

- Selected site
- ◇ Specimen sampling
- X Drawing Reference Point
- Drive
- Road 10

Agency and Hydrological

- Source zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1a)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2a)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3a)
- Special interest (Zone 4)
- Source Protection Zone boundary

Site Sensitivity Context Map - Slice A



Order Details

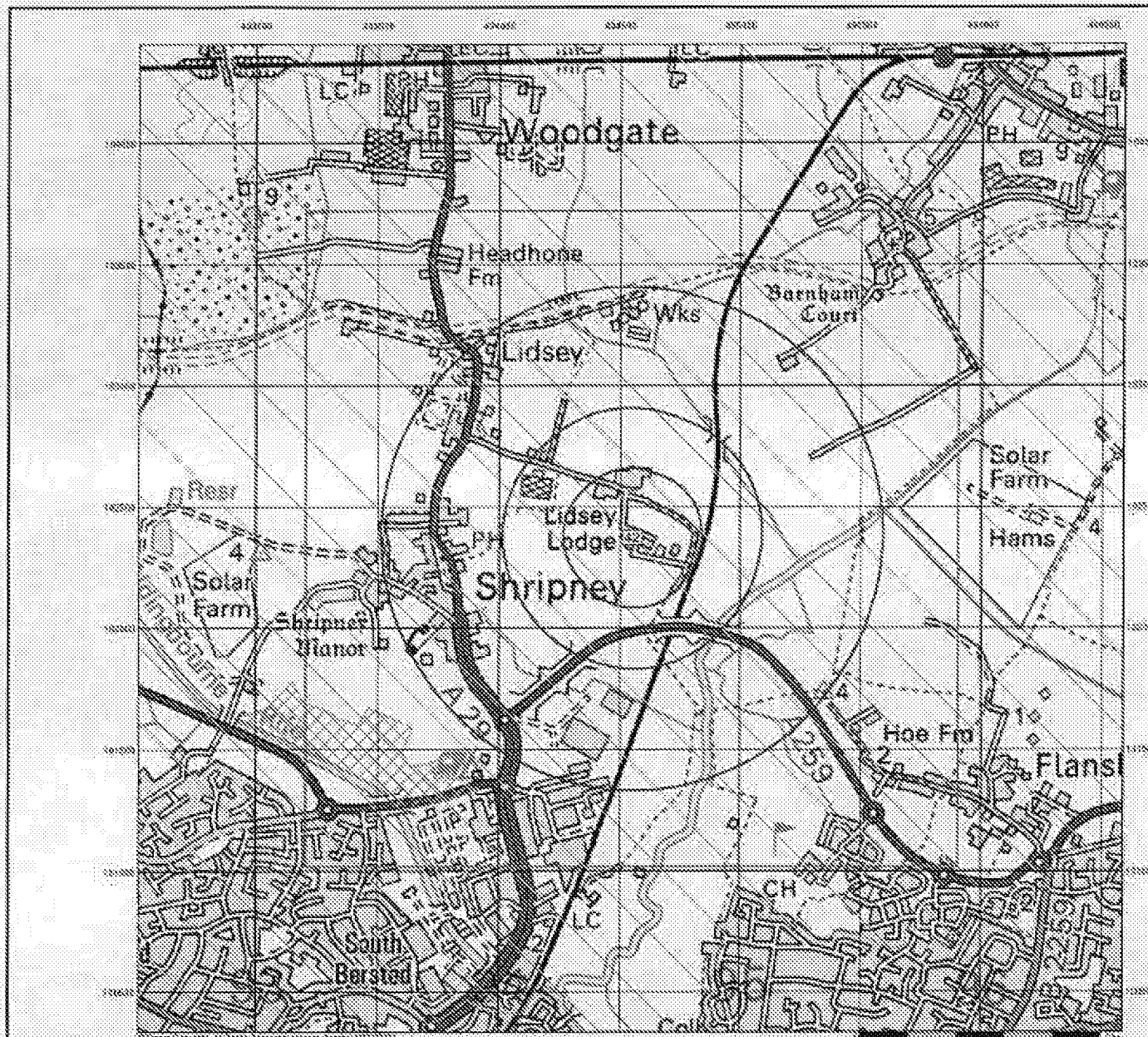
Order Number: 109658000_1_1
 Customer Ref: 17.8382
 National Grid Reference: 494550, 100370
 Slice: A
 Site Area (Hm): 0.3
 Search Buffer (m): 1000

Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex,
 PO22 9PE

Landmark
 a Landmark Information Group service

File: 109658000_1_1
 Date: 03/04/2002
 User: 109658000_1_1



constructiveevaluation

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Sensitive Land Uses

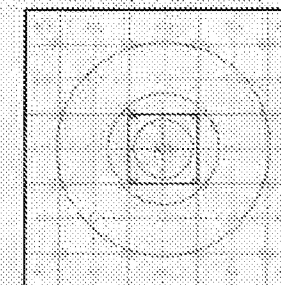
General

- Specified Site
- Specified In-Built
- Training Reference Point
- Data
- Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adjoining Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Flood Risk
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- Historic Park
- Historic Sensitive Area
- Large Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Site

Site Sensitivity Context Map - Slice A



Order Details

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 Customer Ref: 17_6382
 National Grid Reference: 494550, 102270
 Slice: A
 Site Area (Ha): 0.3
 Search Buffer (m): 1000

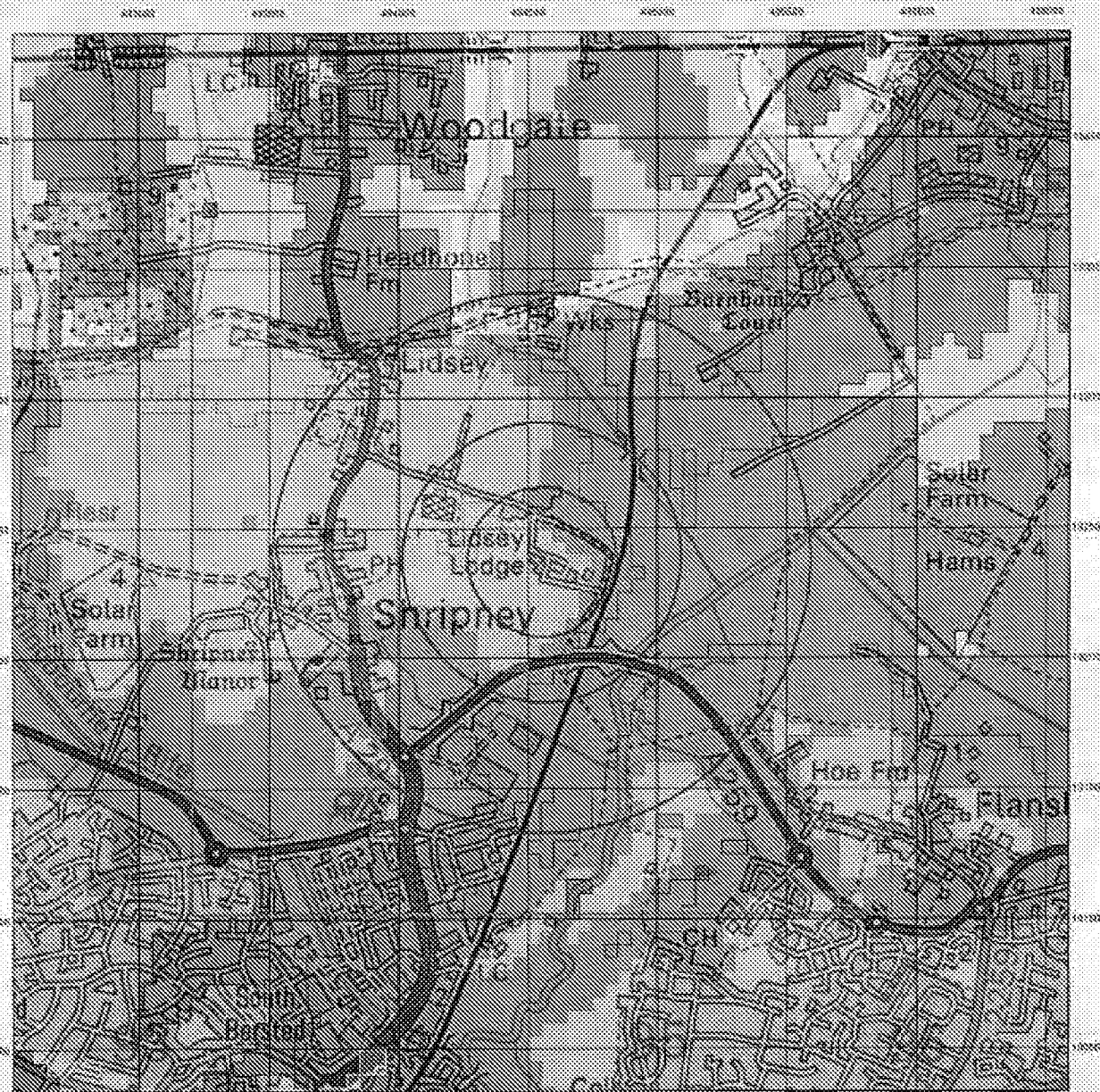
Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex, PO22 9PE

Landmark

100% geospatial data solutions

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BGS Flood GF5 Data

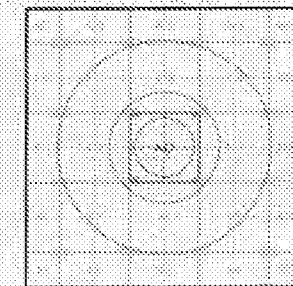
General

- Sewerage Site
- Sewerage Outfall
- Rising Potability Point
- Lake

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding in Series
- Potential for Groundwater Flooding at Property Separated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 100000000_1_1
Customer Ref: 17 0303
National Grid Reference: 494550, 102370
Slice: A
Site Area (Ha): 0.3
Search Buffer (m): 1000

Site Details

Sack Lane Farm, Sack Lane, BOGNOR REGIS, West Sussex, PO22 9PE

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pit
	Quarry		Shingle		Orchard
	Owens		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Puzzle		Rough Pasture
	Arrow denotes flow of water		Triangulation Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	SSS Surface Level				
	Sketches Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Bridges Road		Railway over River		
	Road over Railway		Level Crossing		
	Railway over Road		Road over Stream		
	Road over River or Canal		Road over Stream		
	County Boundary (Geographical)		County & Civil Parish Boundary		
	Administrative County & Civil Parish Boundary		County Borough Boundary (England)		
	County Borough Boundary (Scotland)		Rural District Boundary		
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Gravel Pit or Quarry
	Refuse or Slop Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Roads
	Building		Shingle
	Glasshouse		Pylon
	Singing Masonry		Electricity Transmission Line
	Cutting		Standard Gauge Multiple Track
	Road Over		Standard Gauge Single Track
	Level Crossing		Siding, Tramway or Mineral Line
	Foot Bridge		Narrow Gauge
	Geographical County		
	Administrative County, County Borough or County of City		
	Municipal Borough, Urban or Rural District, Borough or District Council		
	Roughly, Borough or Sanitary District		
	Civil Parish		
	Boundary Post or Stone		Police Station
	Clock House		Public Convenience
	Fire Engine Station		Public House
	Fair Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Sea Shore		Well

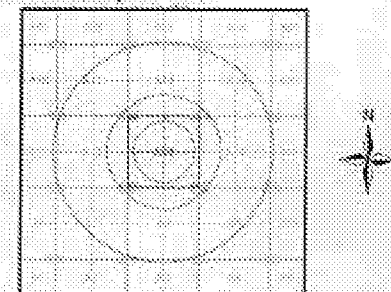
1:10,000 Raster Mapping

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

Historical Mapping & Photography included:

Mapping Type	Scale	Dates	No.
Surrey	1:10,000	1879 - 1880	2
Surrey	1:10,000	1889	3
Surrey	1:10,000	1913 - 1914	4
Surrey	1:10,000	1913	5
Surrey	1:10,000	1913	6
Surrey	1:10,000	1932 - 1934	7
Surrey	1:10,000	1933 - 1934	8
Surrey	1:10,000	1934	9
Ordnance Survey Plan	1:10,000	1941 - 1942	10
Ordnance Survey Plan	1:10,000	1967	11
Ordnance Survey Plan	1:10,000	1978	12
Ordnance Survey Plan	1:10,000	1980	13
Ordnance Survey Plan	1:10,000	1982 - 1983	14
OSK Raster Mapping	1:10,000	2009	15
Aerial View	1:10,000	2015	16

Historical Map - Slice A

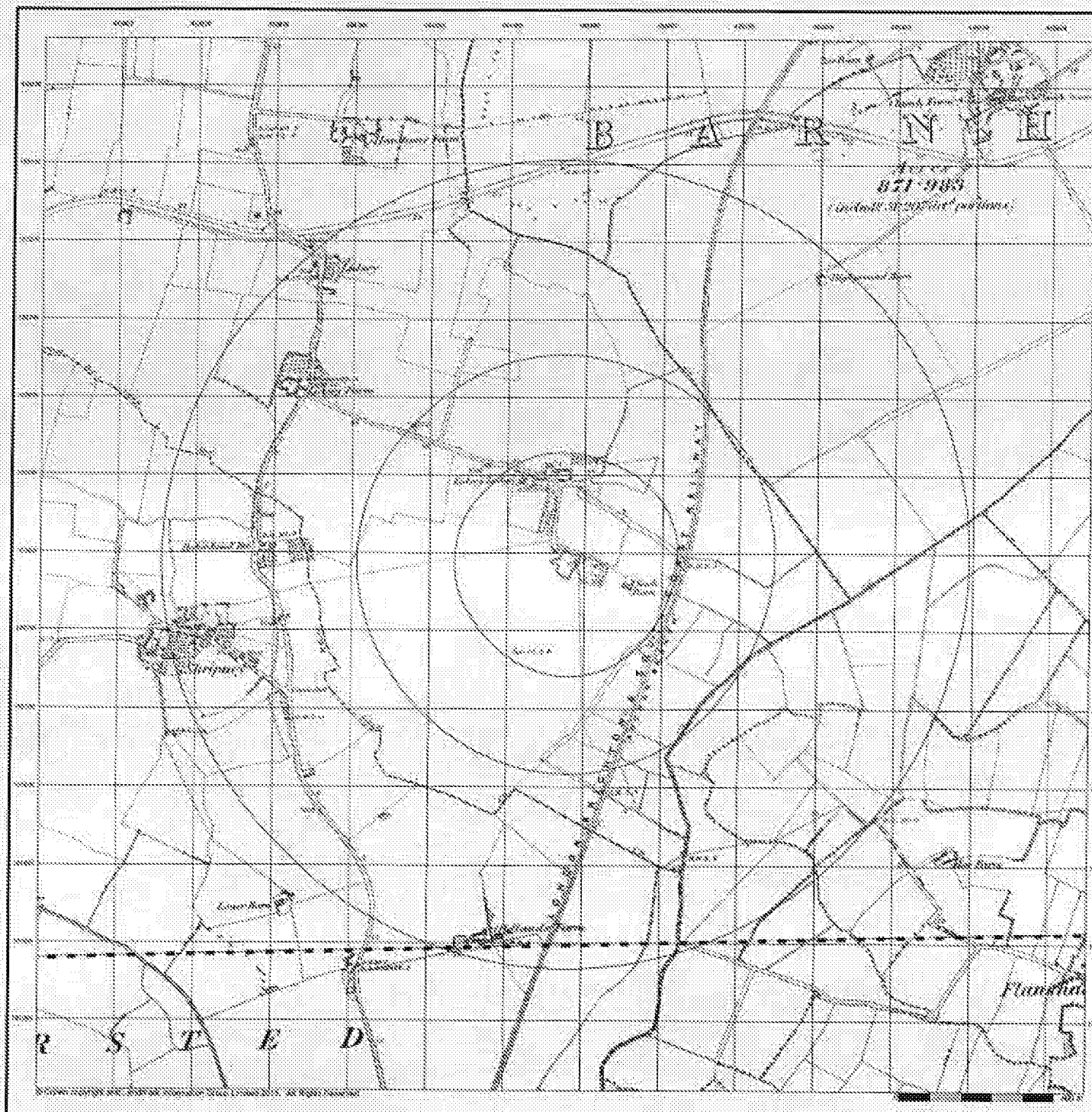


Order Details

Order Number: 109665009_1_1
Customer Ref: 17.3352
National Grid Reference: 494550, 102370
Site: A
Site Area (Ha): 0.3
Search Buffer (m): 1000

Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex, PO22 8PE



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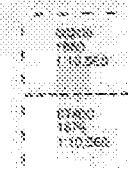
Sussex

Published 1879 - 1880

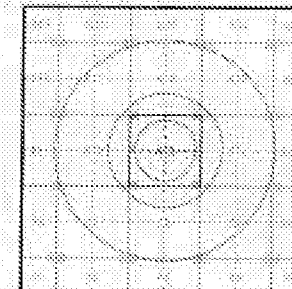
Source map scale - 1:10,560

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 1:2,000 scale was adopted for mapping other areas. These maps were used to update the 1:10,560 maps. The published maps were therefore in effect some years later than the surveyed date. Before 1858, all OS maps were based on the Cassin Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in surveying 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 centimetric, with all military camps and other strategic sites removed. These maps were widely reprinted with the National Grid. In 1975, the first 1:10,560 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

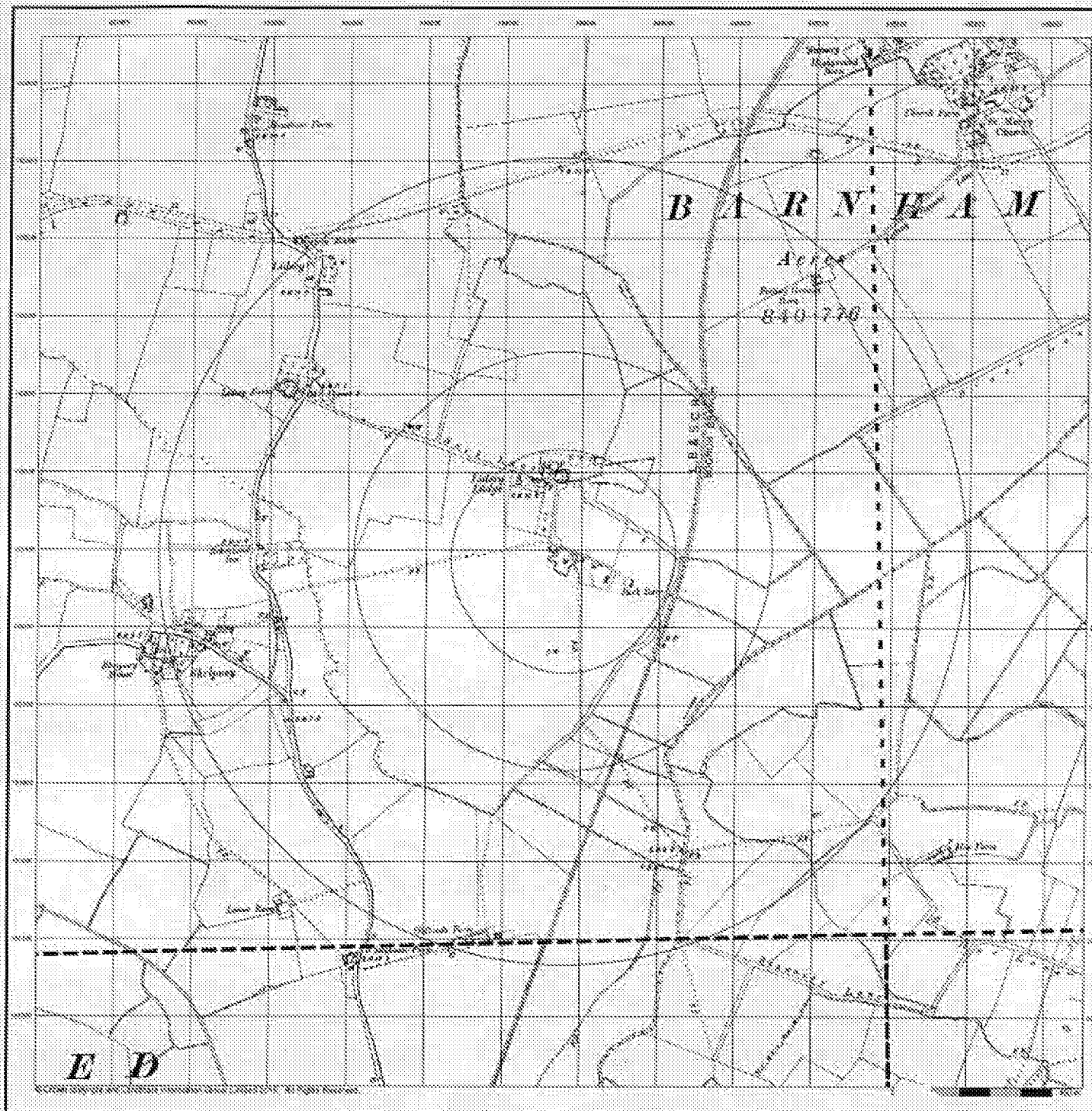
Order Number: 108562009_1_1
 Customer Ref: 17.9362
 National Grid Reference: 494520, 102370
 Slice: A
 Site Area (Ha): 0.3
 Search Buffer (m): 1000

Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex, PO22 9PE

Landmark
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 Fax: 01244 822 201
 Web: www.landmark.co.uk



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Sussex

Published 1899

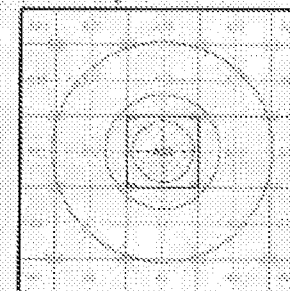
Source map scale - 1:10,560

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 1:10,560 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 CGO maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in setting 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 accompanied 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)

1:10,560	1:10,560
1899	1899
1:10,560	1:10,560
1899	1899
1:10,560	1:10,560
1899	1899

Historical Map - Slice A



Order Details

Order Number: 109668009_1_1
 Customer Ref: 17 9392
 National Grid Reference: 494550, 102370
 Slice: A
 Site Area (Ha): 0.3
 Search Buffer (m): 1000

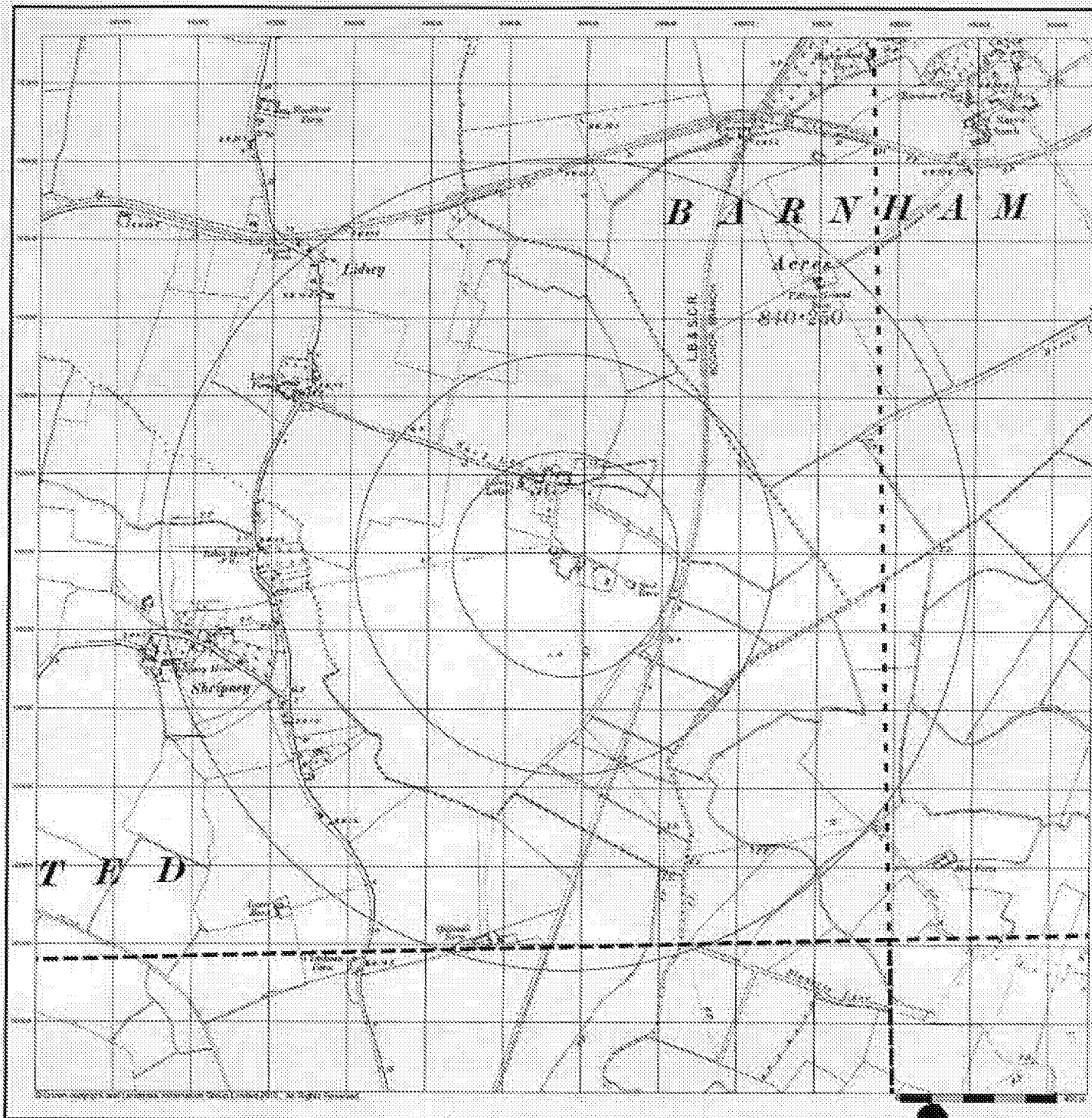
Site Details

Sark Lane Barn, Sark Lane, BOGNOR REGIS, West Sussex, PO22 9PE

Landmark

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100% 0144 644 6000
 100% 0144 644 6000
 100% 0144 644 6000



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GIS • INVESTIGATION • BUILDING BACKGROUND

Sussex

Published 1913 - 1914

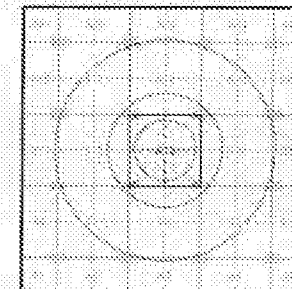
Source map scale - 1:10,560

The historical maps shown were reconstructed from maps professionally held at the scale adopted for England, Wales and Scotland in the 1940's. In 1904 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 survey date. Before 1832, all OS maps were based on the Cassini Projection, with independent surveys of a strip north or south of the strip, giving rise to significant inaccuracies in strip areas. In the late 1840's a Proportional 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 finally superseded with the National Grid. In 1933, the first 1:10,560 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)

1022W	1022E
1913	1913
1:10,560	1:10,560
1044W	1044E
1913	1913
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 109556308_1_1
Customer Ref: 17.9392
National Grid Reference: 494553, 102376
Slice: A
Site Area (Ha): 0.3
Search Buffer (m): 1000

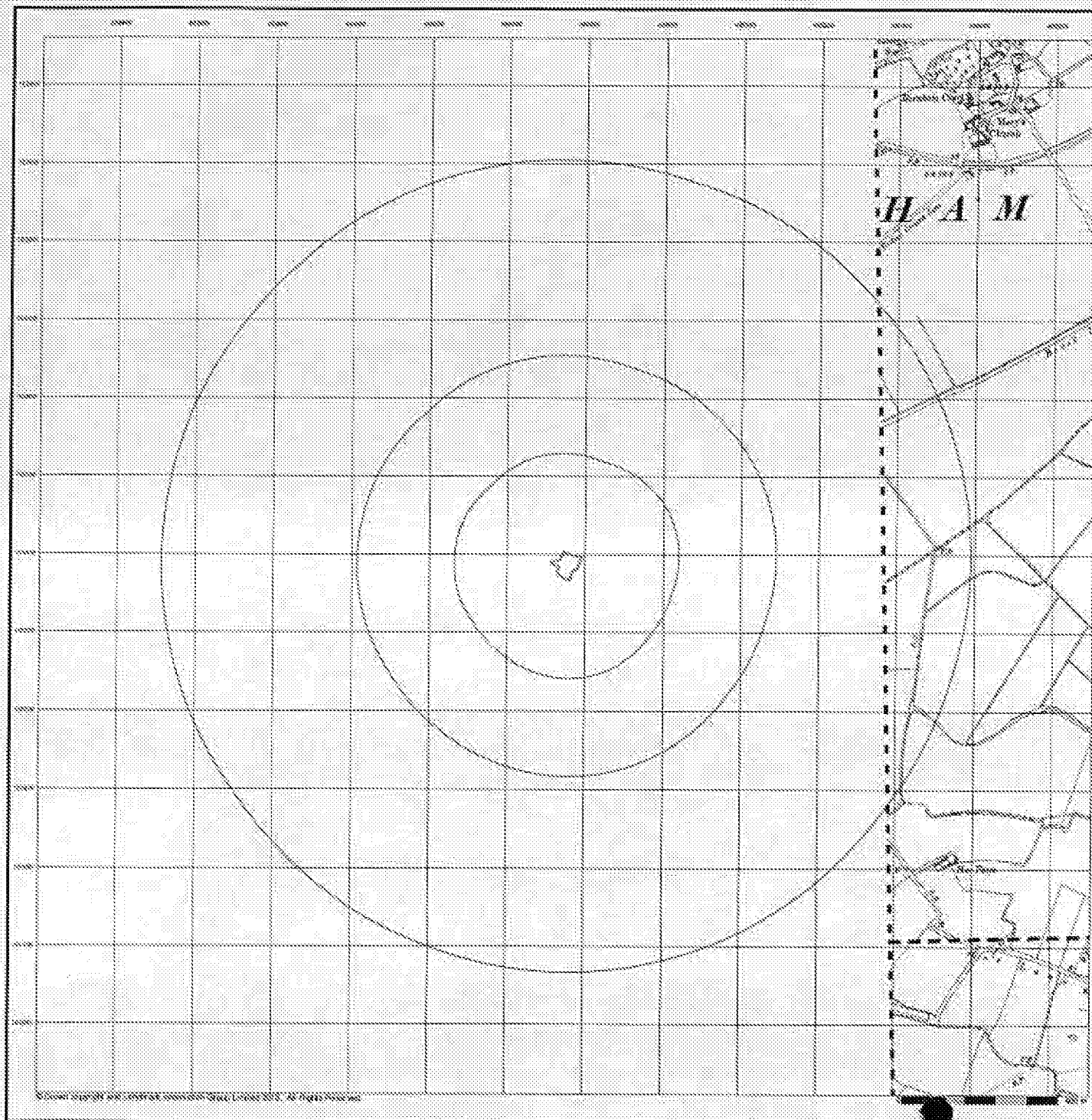
Site Details

Back Lane Barn, Back Lane, BOGNOR REGIS, West Sussex, PO22 9PE

Landmark
Aerial Information Group Ltd

Tel: 0244 544 0202
Fax: 0244 544 0201
Email: info@landmark.co.uk

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Site Investigation • Building Pathology

Sussex

Published 1913

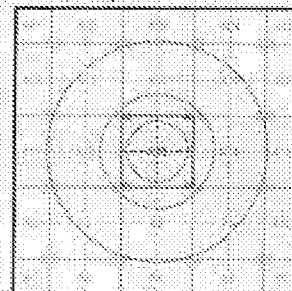
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale selected for England, Wales and Scotland in the 1840's. In 1854 the 1:25,000 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 1928, 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 cutting areas. In the late 1940's, a Fractional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear undistorted - with all railway camps and other strategic areas removed. These maps were initially accompanied 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)

1	032010
1	1913
1	1:10,560
1	000400
1	1913
1	1:10,560

Historical Map - Slice A



Order Details

Order Number: 109563009_L1
 Customer Ref: 17 6362
 National Grid Reference: 494530, 102370
 Slice: A
 Site Area (Ha): 0.3
 Search Buffer (m): 1000

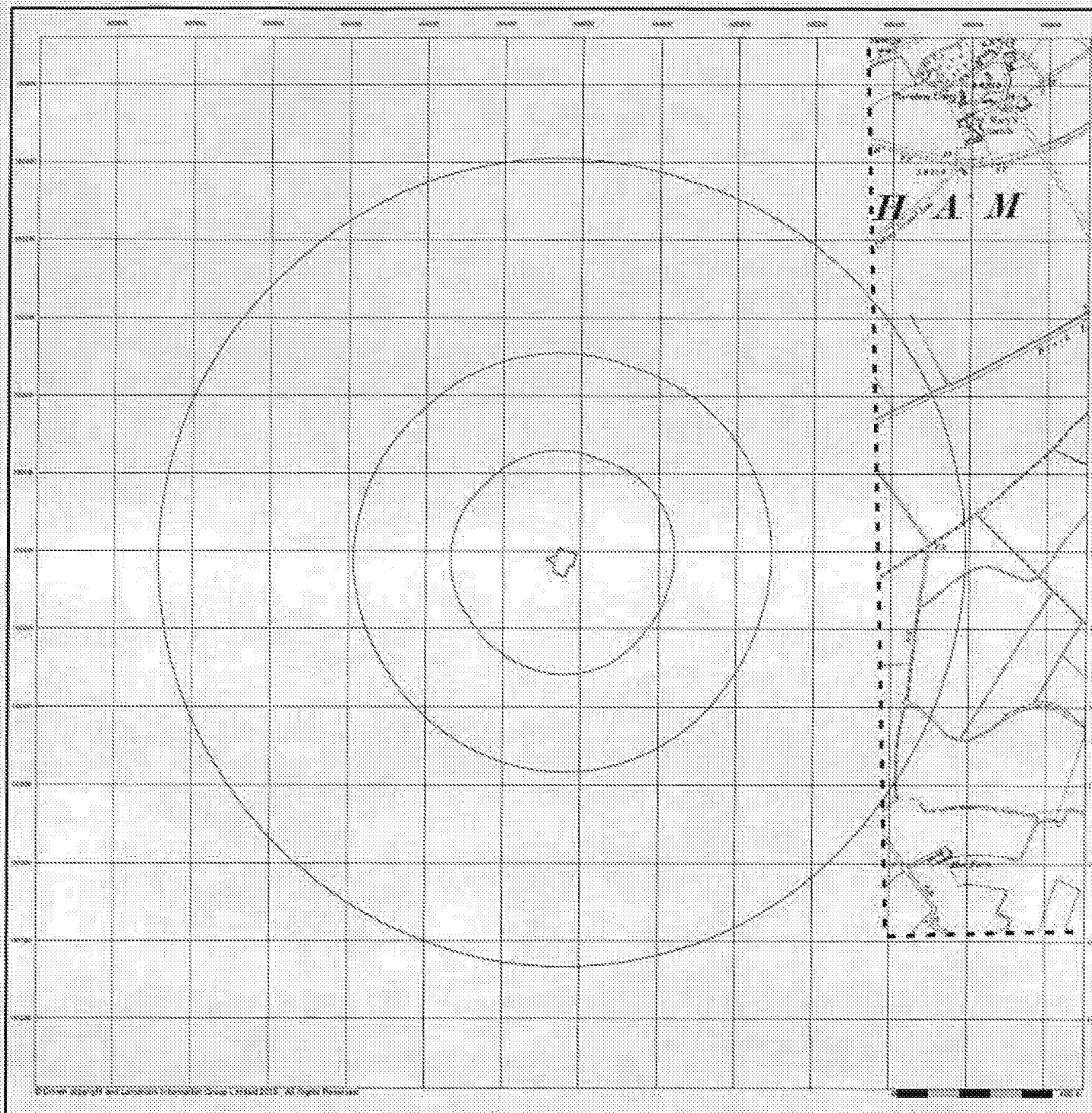
Site Details

Sack Lane Farm, Sack Lane, BOGNOR REGIS, West Sussex, PO22 8PE

Landmark

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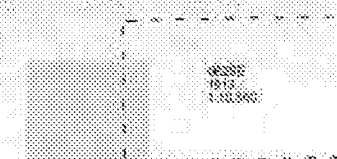
Sussex

Published 1913

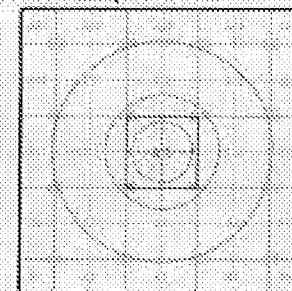
Source map scale - 1:10,560

The historical maps shown were reprinted from maps predominantly sold at the scale adopted for England, Wales and Scotland in the 1840's. In 1904 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 1913, 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 unrecognisable - with all military camps and other strategic sites removed. These maps were widely accepted 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 15 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 10966009_1_1
Customer Ref: 17.0382
National Grid Reference: 494550, 102370
Slice: A
Site Area (Ha): 0.3
Search Buffer (m): 1500

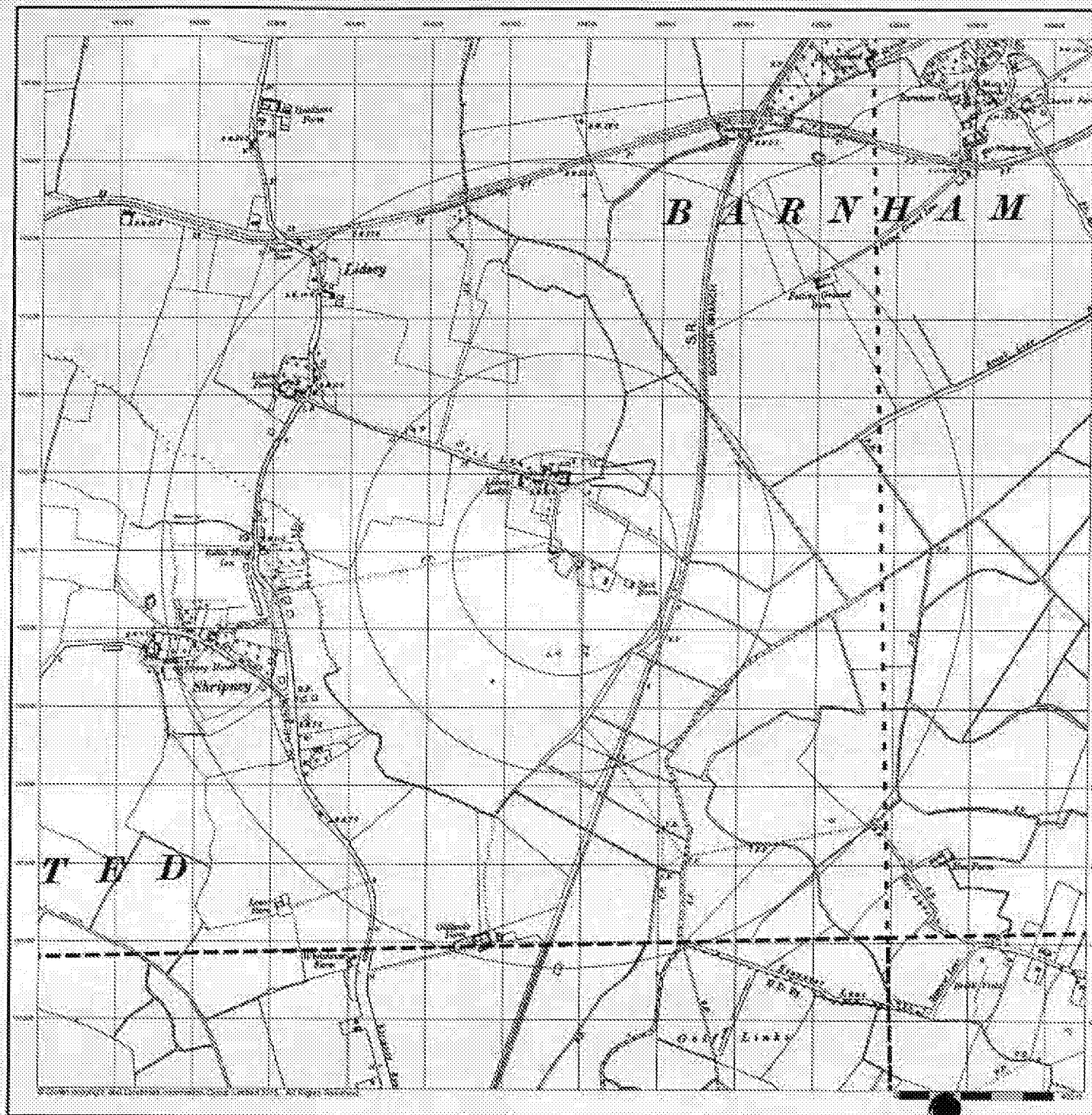
Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex, PO22 8PE

Landmark
a & b information group

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Website: www.landmark.co.uk

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Site Investigation • Building Pathology

Sussex

Published 1938 - 1951

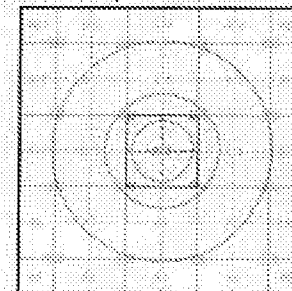
Source map scale - 1:10,560

The historical maps shown were superseded from maps previously held at the scale adopted for England, Wales and Scotland in the 1840's. In 1954 the 1:12,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data shown 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, going rise to significant inaccuracies in other 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 overlaid with the National Grid. In 1976, the first 1:10,560 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)

1001544	1001544
1001544	1001544
1:10,560	1:10,560
1001544	1001544
1001544	1001544
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 1096680032_1_1
Customer Ref: 17 9062
National Grid Reference: 494450, 102370
Slice: A
Site Area (Ha): 0.3
Search Buffer (m): 1000

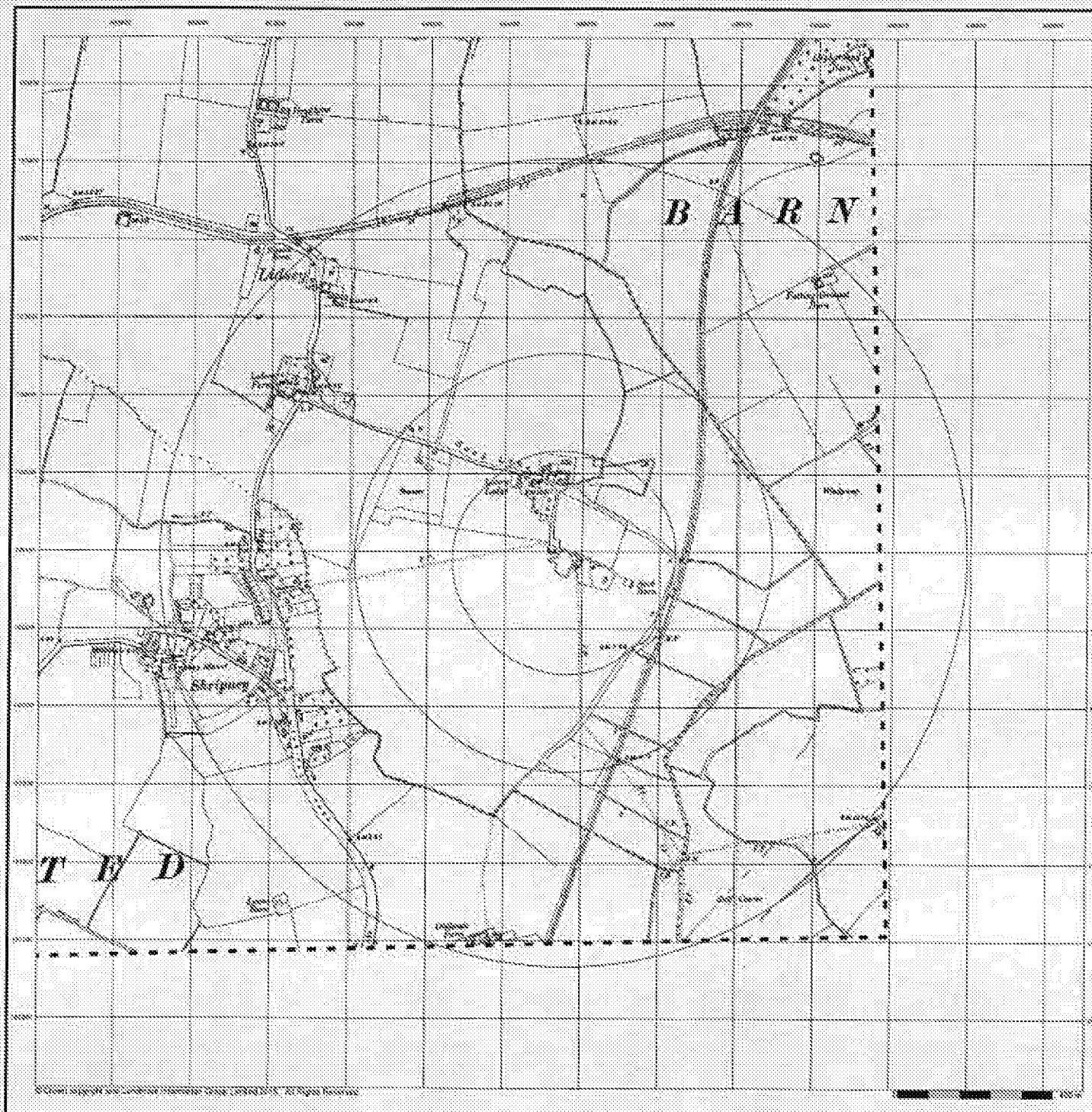
Site Details

Back Lane Barn, Back Lane, BOGNOR REGIS, West Sussex, PO22 9PE

Landmark

201 0164 544 9902
Fax 0164 544 9901
Email info@constructiveevaluation.co.uk

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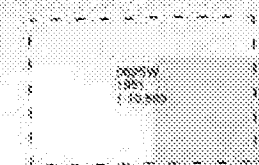
Sussex

Published 1951

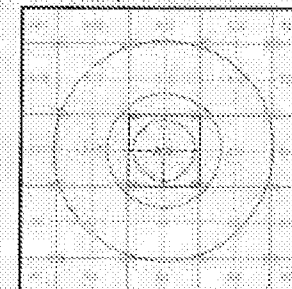
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1954 the 1:25,000 scale was adopted for mapping urban areas. These maps were used to update the 1:10,560 maps. The published three-point elevations in urban areas were taken from the surveyed data. Below 1953, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant distortions in urban 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 overlaid with the National Grid. In 1975, 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

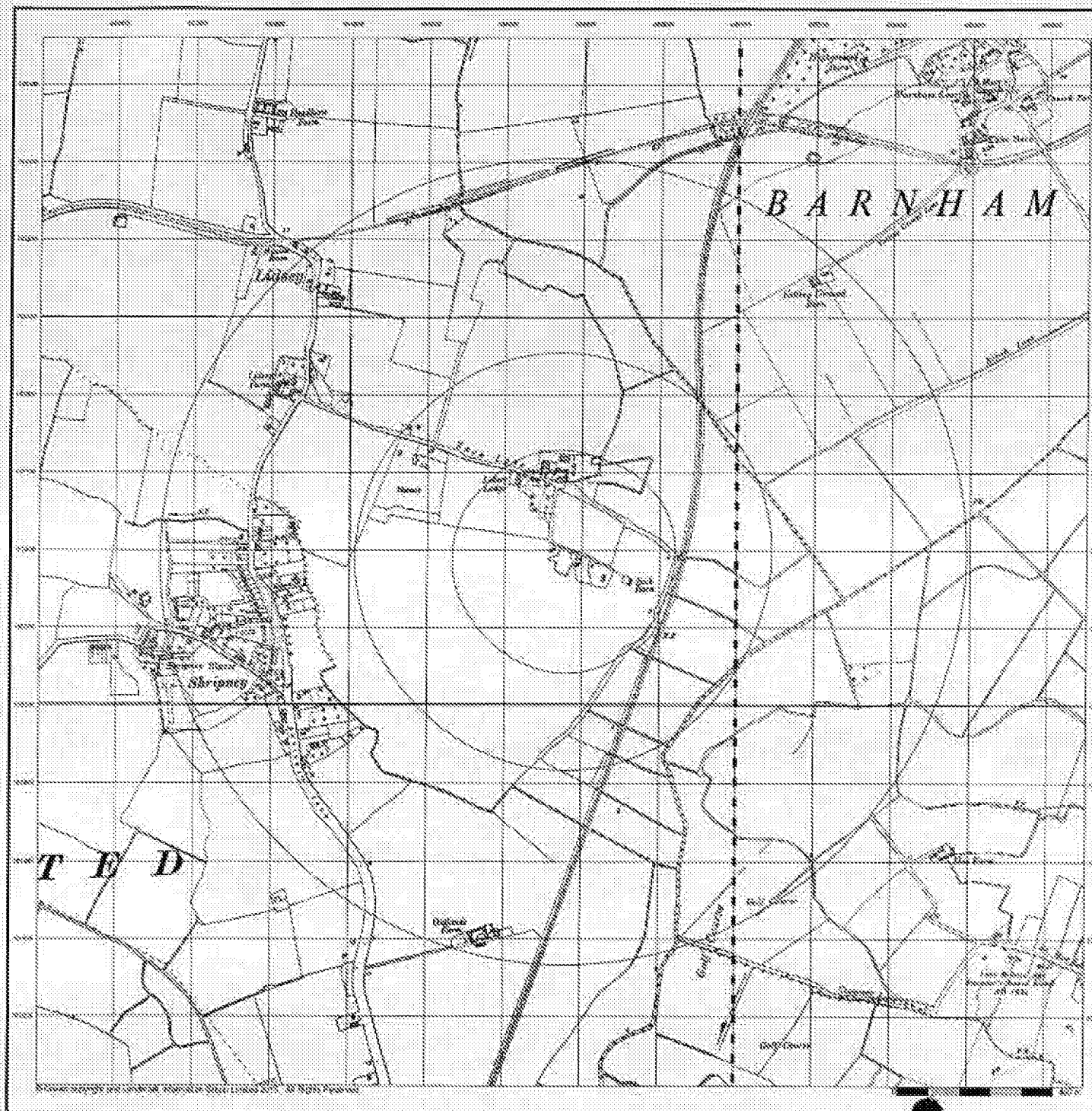
Order Number: 109850009_1.1
Customer Ref: 17.9382
National Grid Reference: 494550, 152375
Slice: A
Site Area (Ha): 0.3
Search Buffer (m): 1800

Site Details

Sack Lane Barr, Sack Lane, BOGNOR REGIS, West Sussex.
PO22 9PE

Landmark
a & b information services

7th Oct 2012
7th Nov 2011
2000



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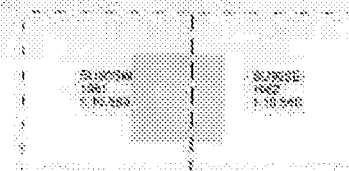
Ordnance Survey Plan

Published 1961 - 1962

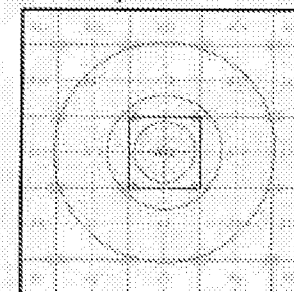
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale sheets for England, Wales and Scotland in the 1940's, or 1954 the 1:2,500 scale was 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 1978, all OS maps were based on the Cassini Projection, with independent surveys of a single town or group of parishes, giving rise to significant inaccuracies in mapping towns. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear unrefined - with all railway maps and other strategic sites removed. These maps were initially overlaid 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

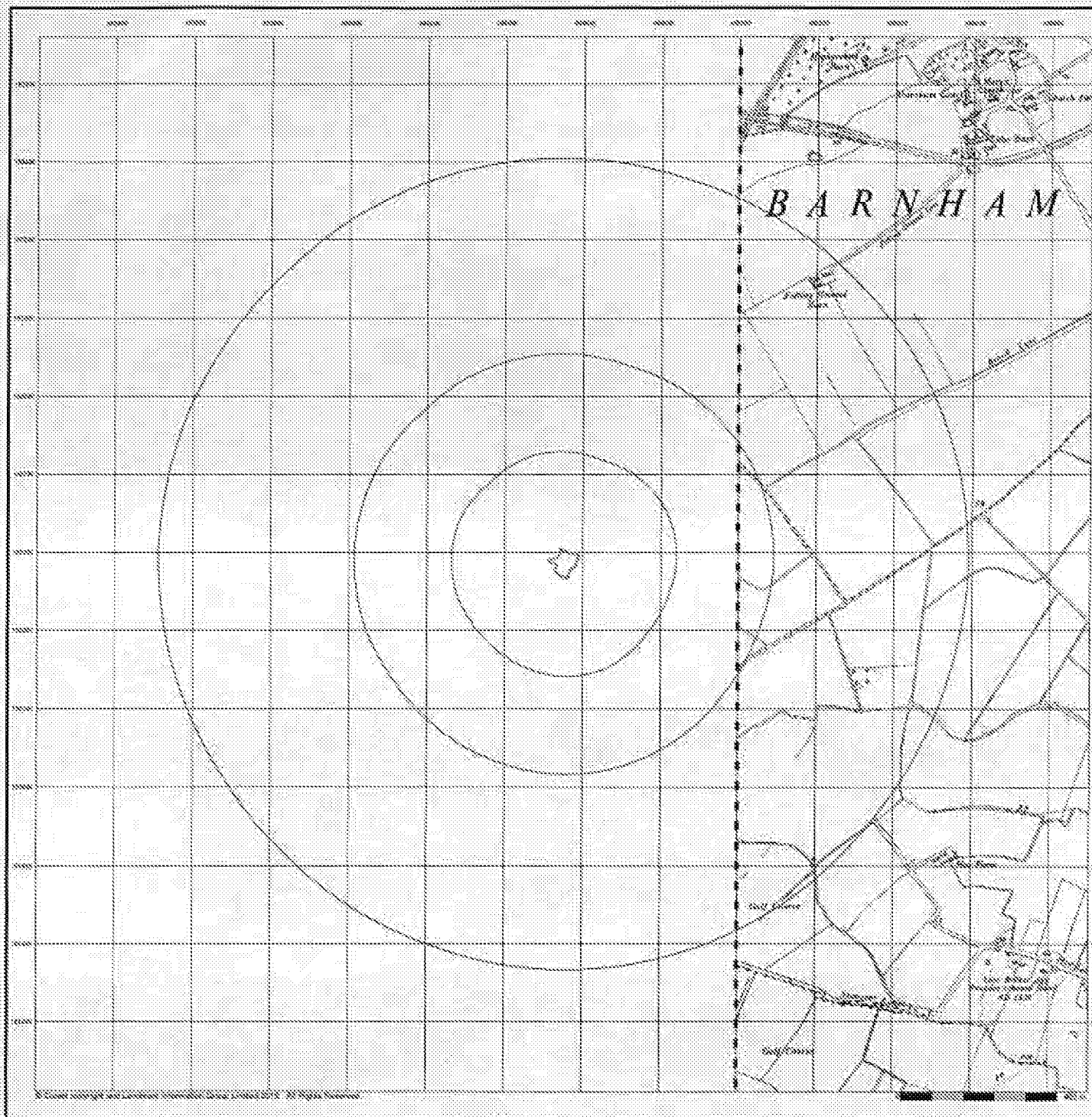
Order Number: 108668009_1.1
Customer Ref: 17.9382
National Grid Reference: 494530, 102370
Slice: A
Site Area (Ha): 0.3
Search Buffer (m): 1000

Site Details

Back Lane Barn, Back Lane, BIGNOR REGIS, West Sussex, PO22 9PE

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2nd 0144 204 2007
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Ordnance Survey Plan

Published 1967

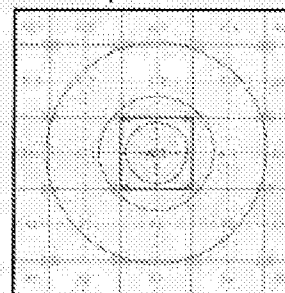
Source map scale - 1:10,000

The historical maps shown were representative base maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1954 the 1:2,000 scale was accepted 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 1936, all OS maps were based on the Cassini Projection, with independent surveys of a single town or group of locations, giving rise to significant inaccuracies in mapping areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear unaltered - with all military names and other strategic data removed. These maps were widely presented 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

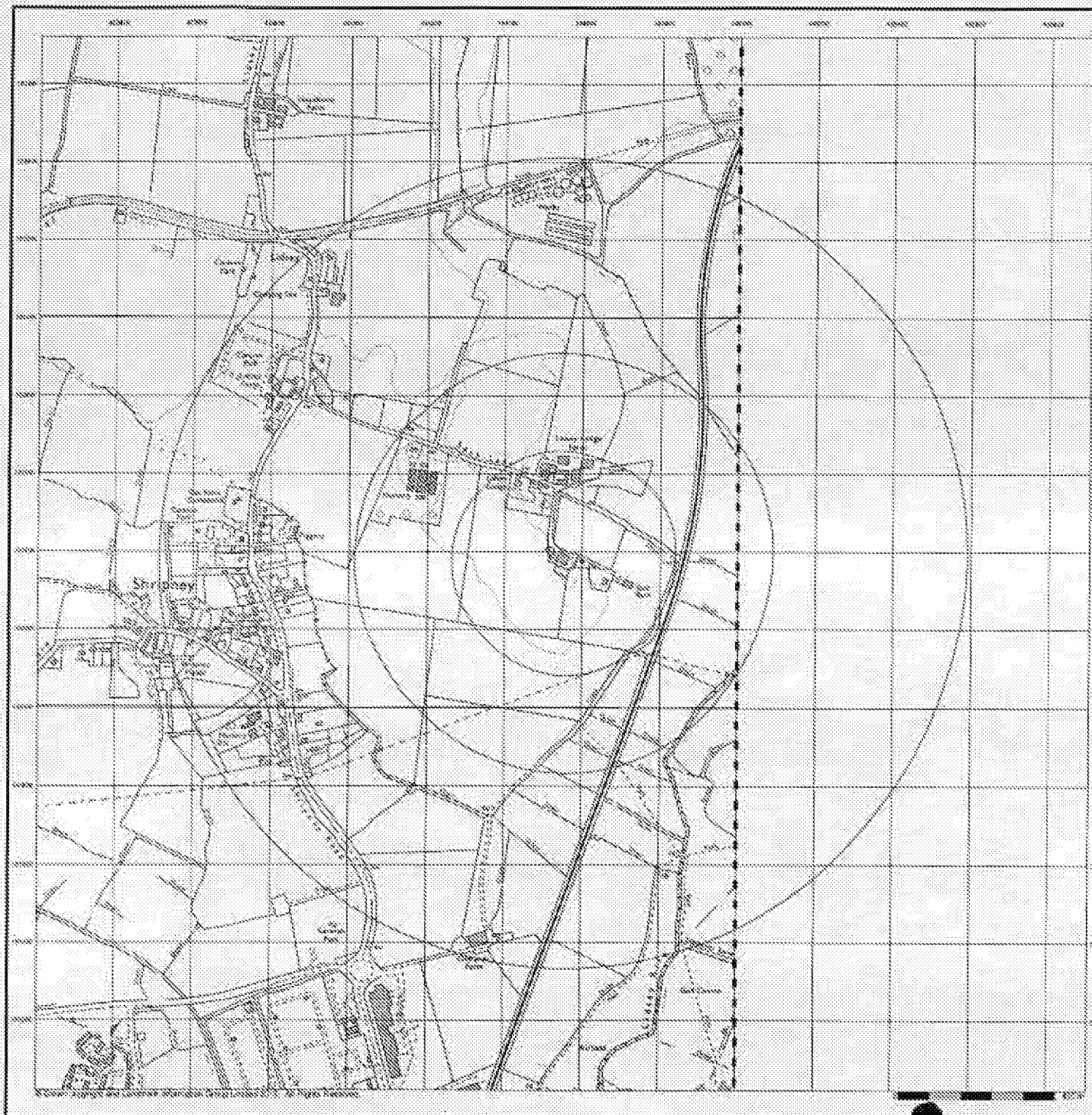
Order Number: 109568069_1_1
Customer Ref: 17.3562
National Grid Reference: 494550, 102370
Scale: A
Site Area (Ha): 0.3
Search Buffer (m): 1000

Site Details

Sack Lane Barn, Sack Lane, BQNGOR REGIS, West Sussex,
PO22 8PE

Landmark
A to G INFORMATION GROUP

1st
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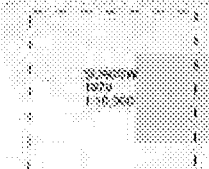
Ordnance Survey Plan

Published 1979

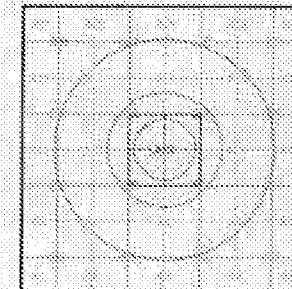
Source map scale - 1:10,000

The historical plans shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1954 the 1:10,000 scale was adopted for mapping urban areas. These maps were used to update the 1:10,000 maps. The published maps shown therefore are often some years later than the surveyed data. Before 1922, 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 putting areas, to the late 1940'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 accompanied 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

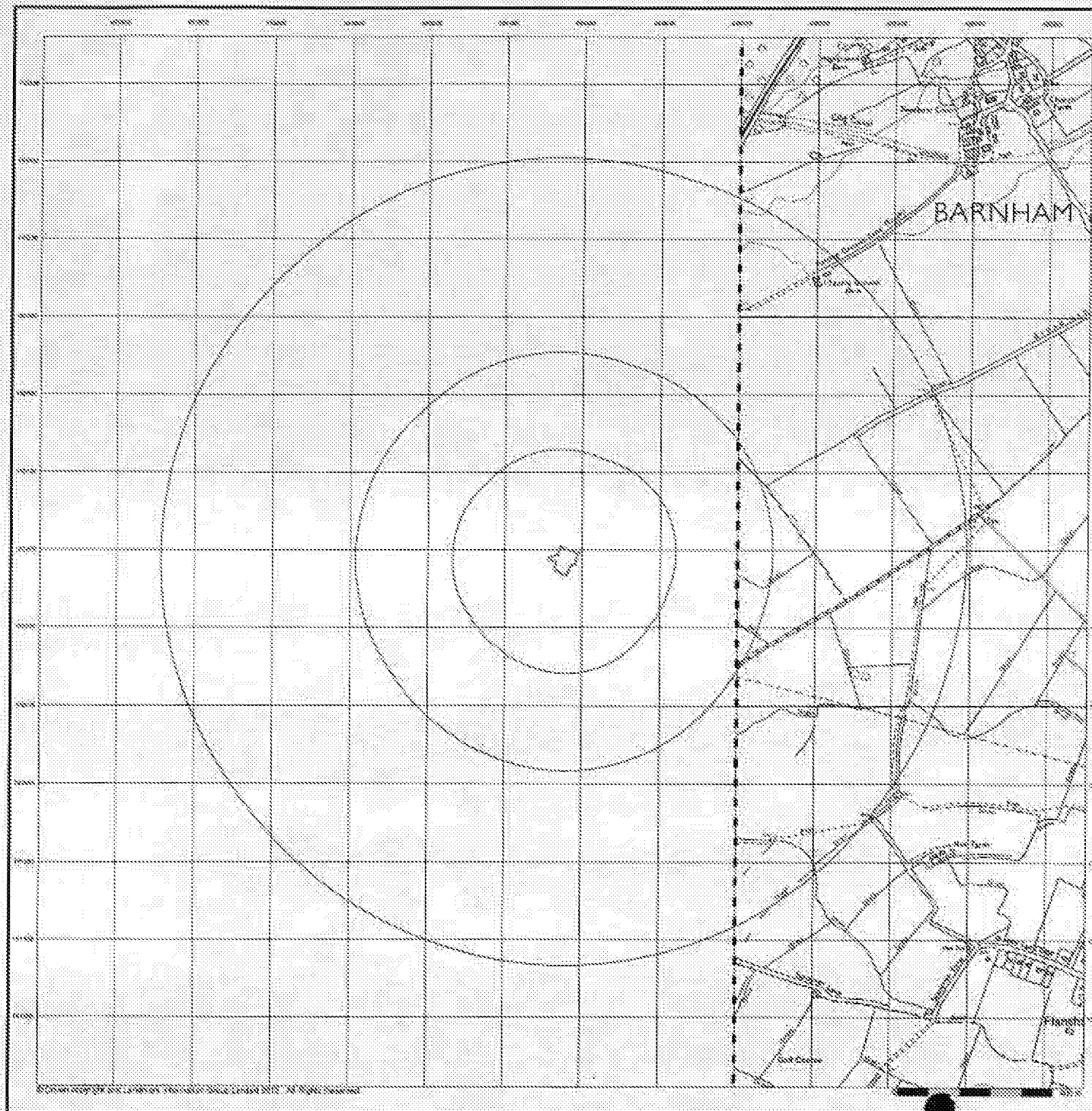
Order Number: 10956509_1_1
Customer Ref: 173382
National Grid Reference: 494250, 102370
Slice: A
Site Area (Ha): 0.3
Search Buffer (m): 1000

Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex, PO22 5PE

Landmark
A & W HENDON LTD

Tel: 01244 544 5900
Fax: 01244 544 5901
Email: enquiries@landmark.co.uk



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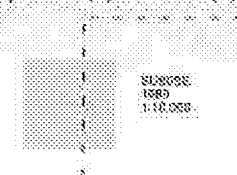
Ordnance Survey Plan

Published 1980

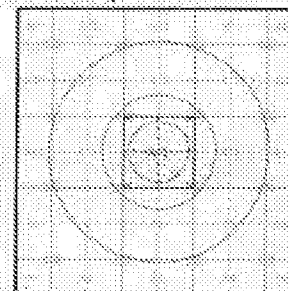
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1964 the 1:25,000 scale was adopted for mapping urban areas; those 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 1918, 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 certain areas. In the late 1940's, a Photostatic Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear uncoloured, with all military camps and other strategic sites removed. These maps were initially uncoordinated with the National Grid. In 1975, 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

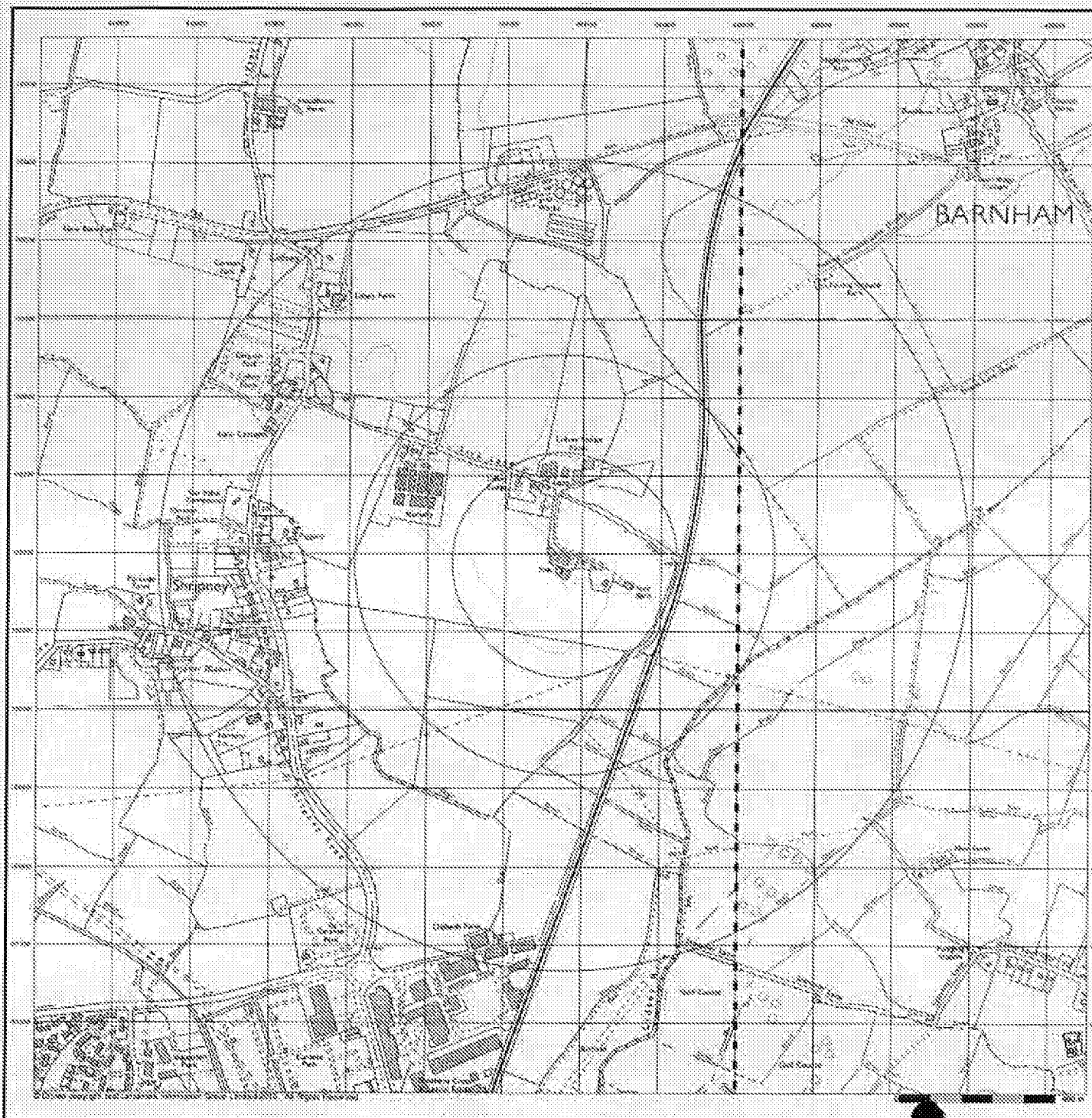
Order Number: 109655009_1_1
Customer Ref: 17.9382
National Grid Reference: 494550, 102370
Slice: A
Site Area (HAI): 0.3
Search Buffer (m): 1000

Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex, PO22 9PE

Landmark
a geospatial information company

For: 0244 544 2000
Fax: 0244 544 2001
Email: info@constructiveevaluation.co.uk



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Ordnance Survey Plan

Published 1992 - 1993

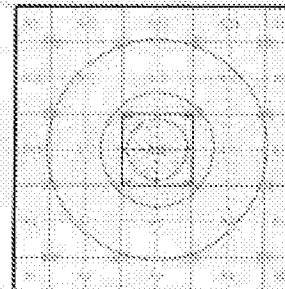
Source map scale - 1:10,000

The National maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1954 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,000 maps. The published data given features in other series 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 distortions in certain areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear unaltered - with all military zones and other strategic sites removed. These maps were initially co-ordinated 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: 109568009_1_1
Customer Ref: 17.6382
National Grid Reference: 494550, 152370
Size: A
Site Area (Ha): 0.3
Search Buffer (m): 1500

Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex, PO22 9PE

Landmark
a & w information service

Tel: 0844 544 5700
Fax: 0844 544 5701
Web: www.landmark.co.uk



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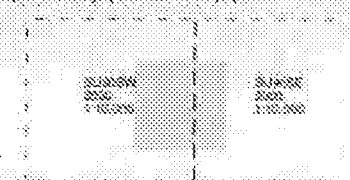
10k Raster Mapping

Published 2000

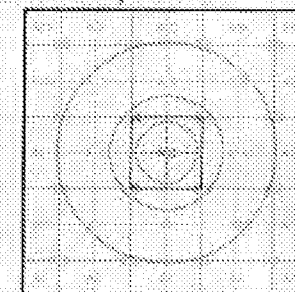
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey's 1:10,000 vector raster mapping. Three maps are derived from London which updated the old 1:10,000 vector raster 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, diocesan, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 109668009_1_1
Customer Ref: 17-9382
National Grid Reference: 454550, 102370
Scale: A
Site Area (Ha): 0.3
Search Buffer (m): 1000

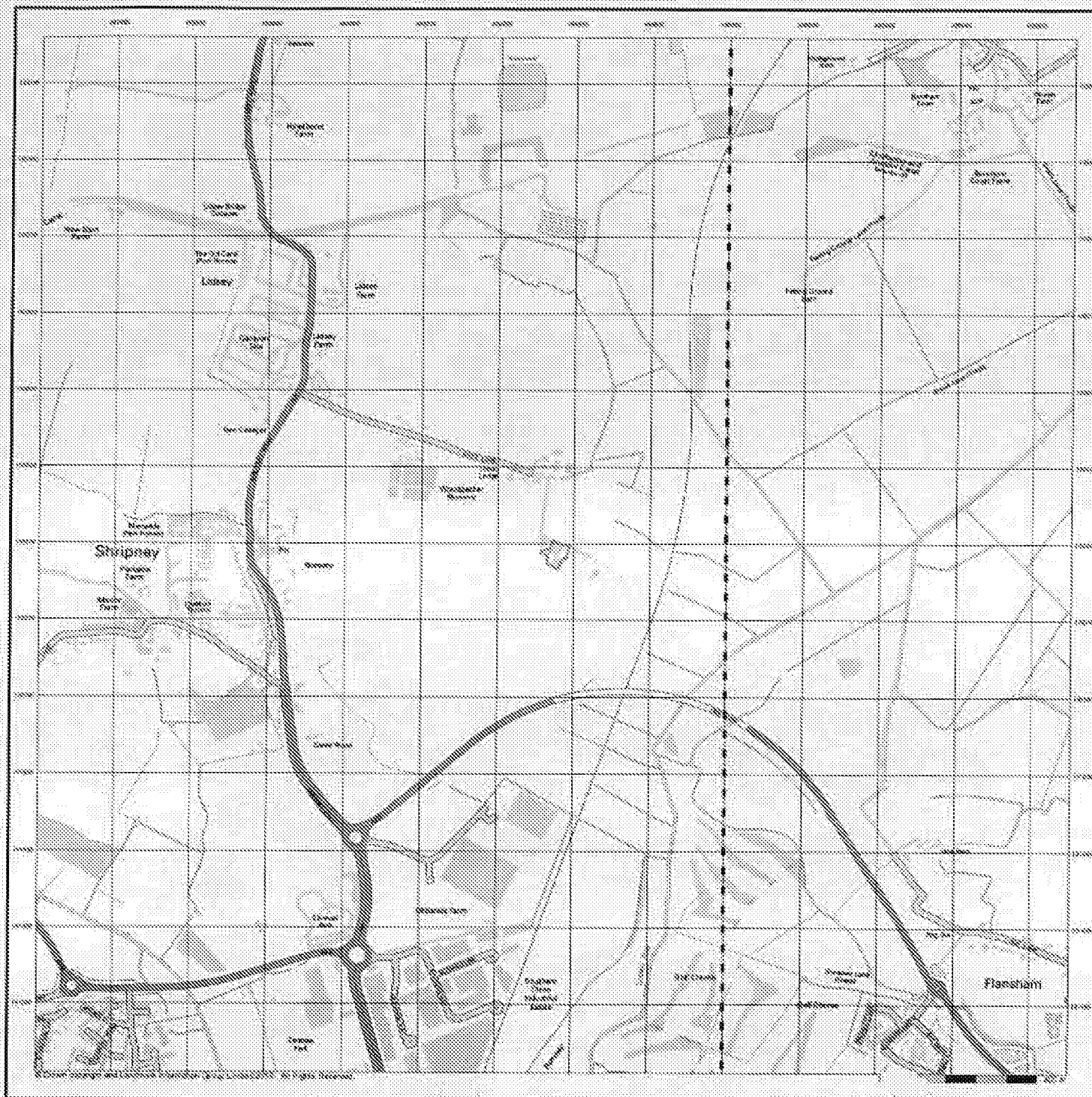
Site Details

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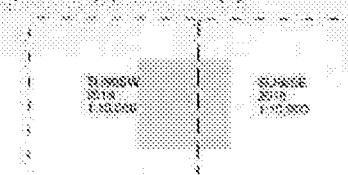
Street View

Published 2016

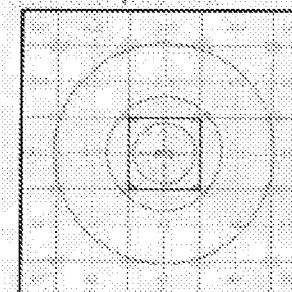
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

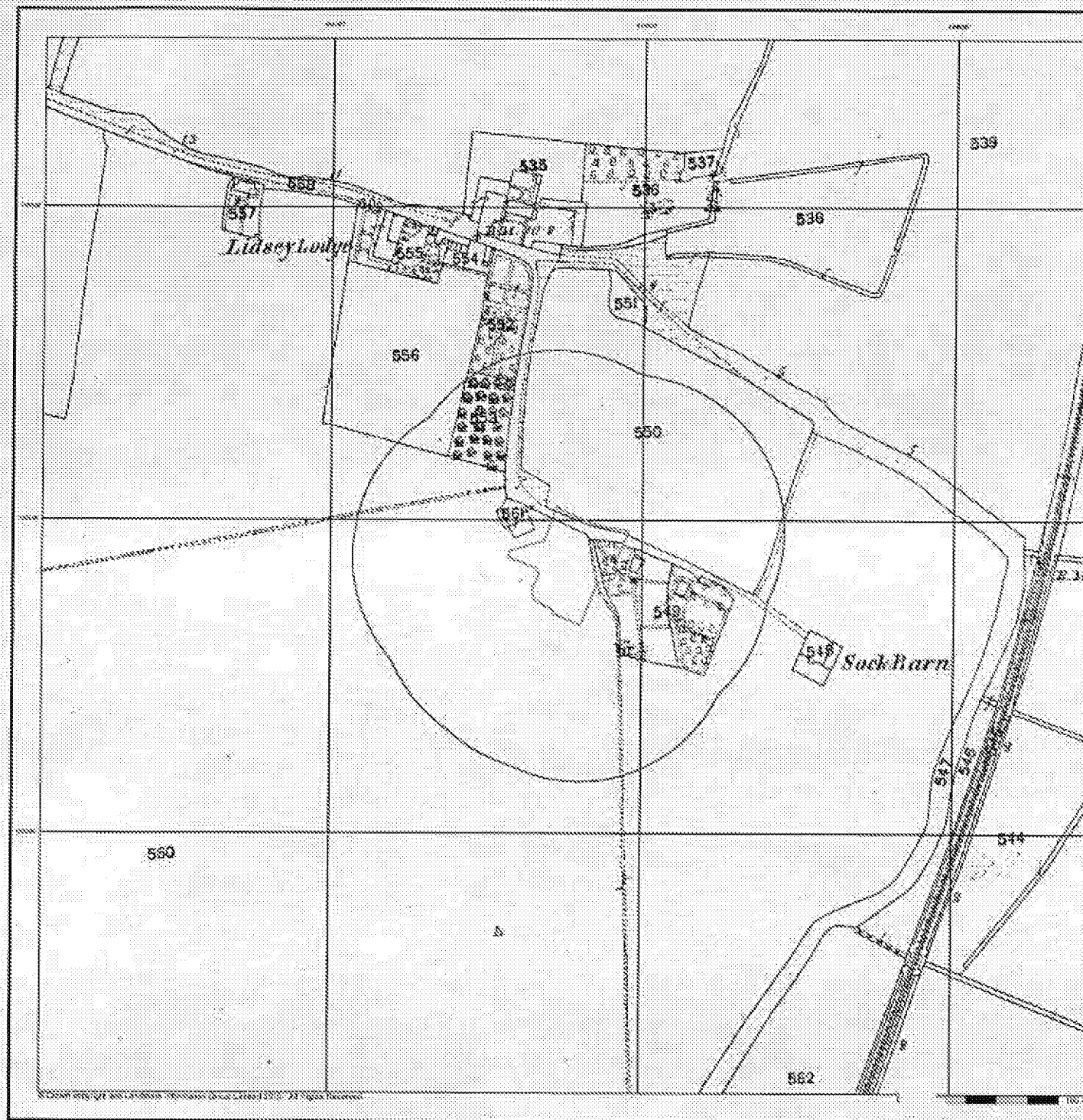
Order Number: 108868009_1_1
 Customer Ref: 17.9332
 National Grid Reference: 494550, 102370
 Slice: A
 Site Area (Ha): 0.3
 Search Buffer (m): 1000

Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex,
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SAN FRANCISCO # 9-110768

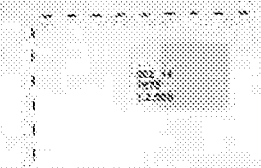
Sussex

Published 1878

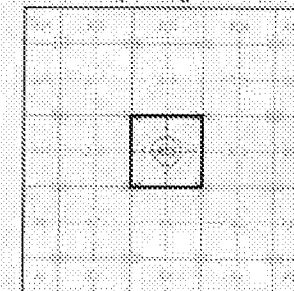
Source map scale - 1:2,500

The historical maps should include at least two maps predominantly East of the coast reported for England, Wales and Scotland in the 1840's. In 1848 the 1:25,000 scale was adopted for mapping inland areas and by 1850 it covered the whole of what later constituted to be the submitted parts of Great Britain. This publication date given refers to other source years later than the current date. Before 1936, all OS maps were based on the Cassini Projection, with independent surveys of a single locality or group of countries, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number	100665009_1_1
Customer Ref.	17 5982
National Grid Reference	494550, 102370
Site	A
Site Area (Ha)	0.3
Search Buffer (m)	100

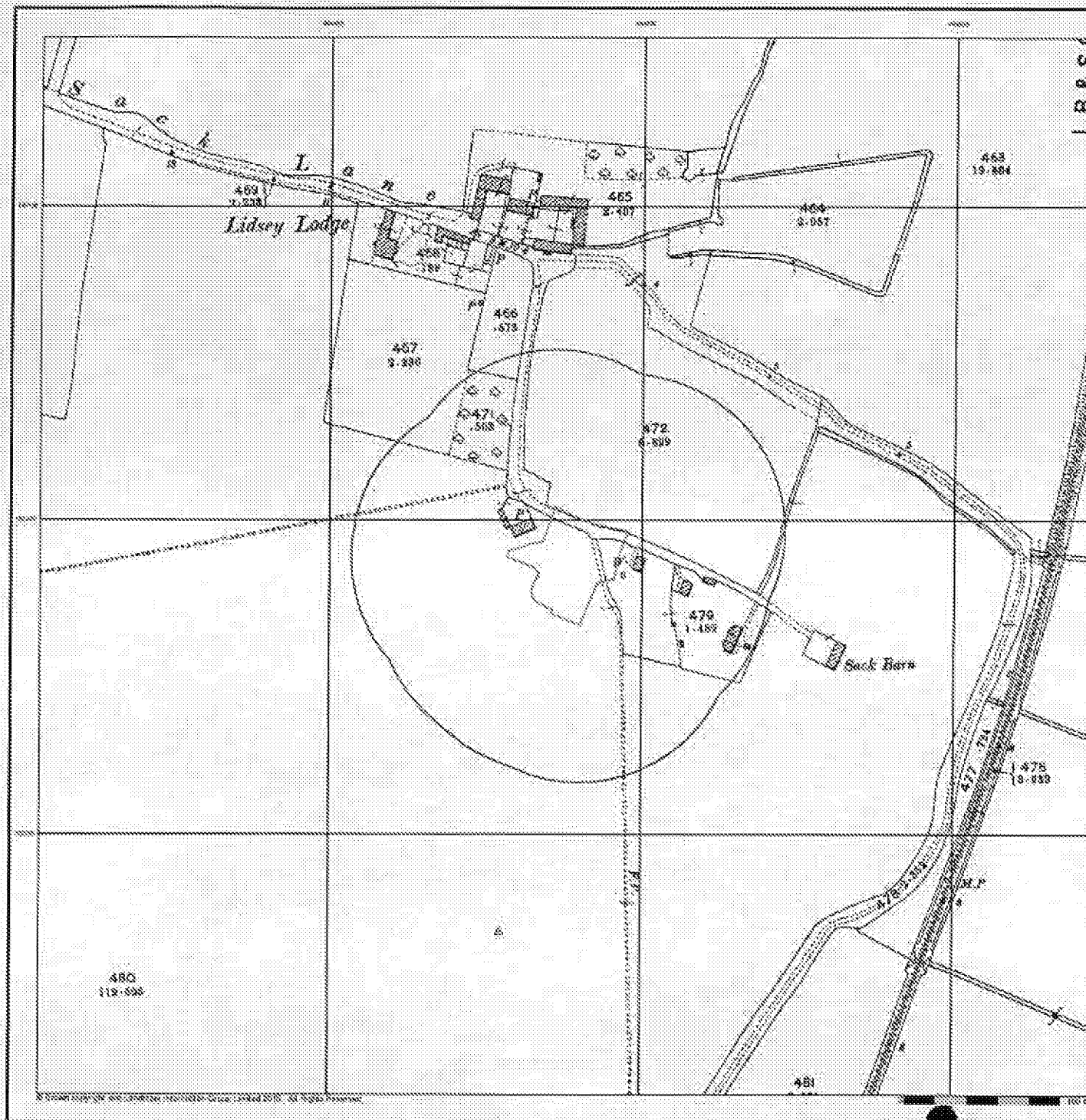
Site Details

Sack Lane Barn, Sack Lane, BOGHOR REGS, West Sussex,
PO22 8PE

Landmark

1990	2000	2005	2010
1995	2000	2005	2010
2000	2005	2010	2015

A. S. Lakshminarayana, International Chemical Service, 4520 E. 98th St., Minneapolis, MN 55425, U.S.A.



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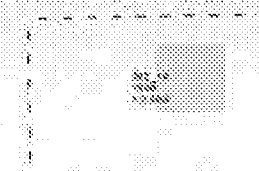
Sussex

Published 1898

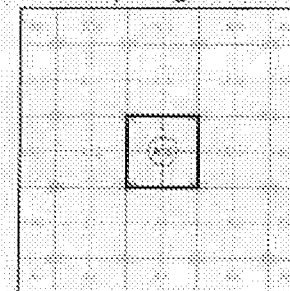
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1894 the 1:2,500 scale was selected for mapping urban areas and by 1899 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 1916, all OS maps were based on the Cassini Projection, with independent surveys of a single country or group of countries, giving rise to significant inaccuracies in joining areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 109068009_1_1
Customer Ref: 17.6362
National Grid Reference: 454550, 102970
Site: A
Site Area (Ha): 0.3
Search Buffer (m): 100

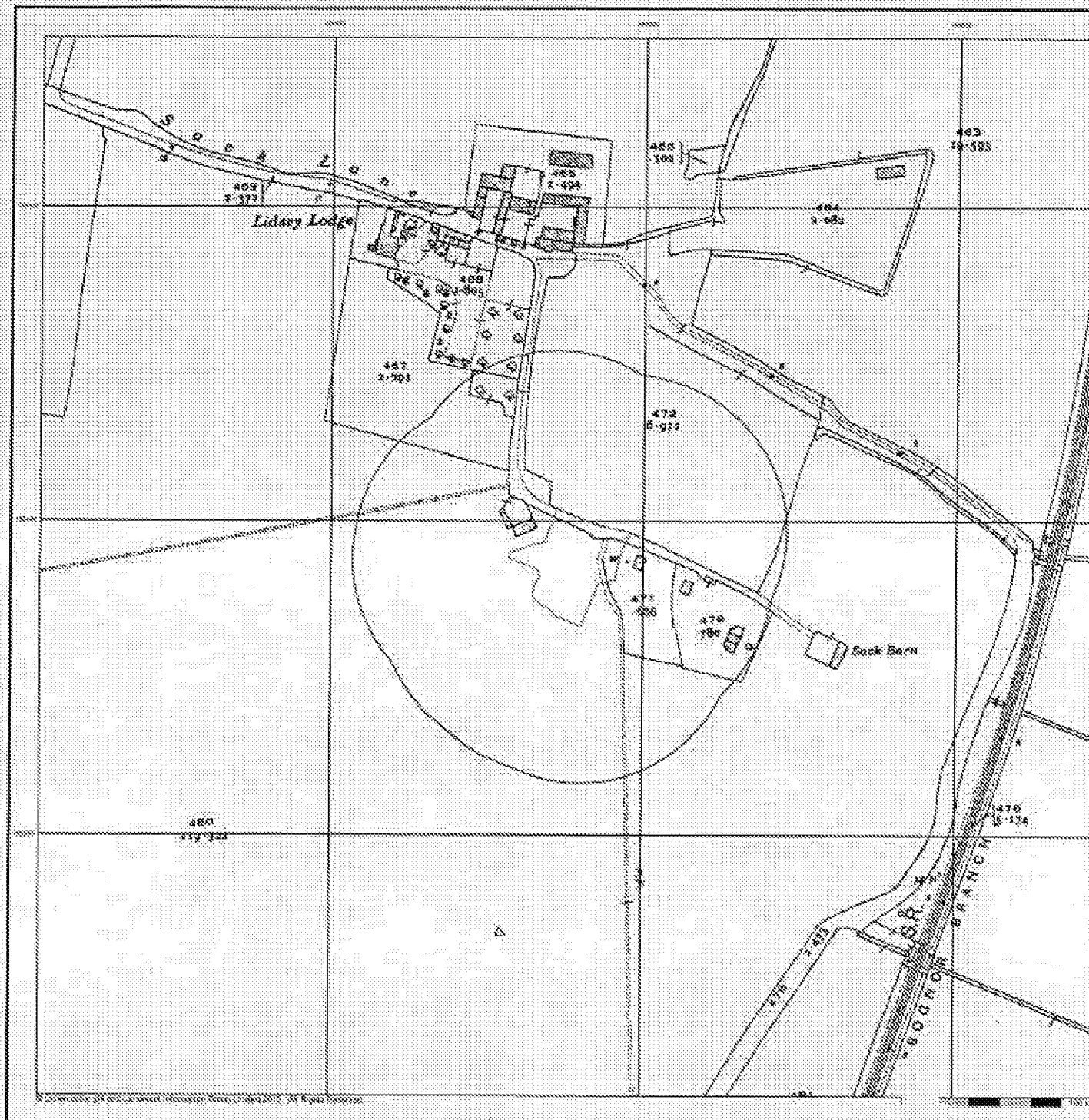
Site Details

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Landmark
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Sussex

Published 1940

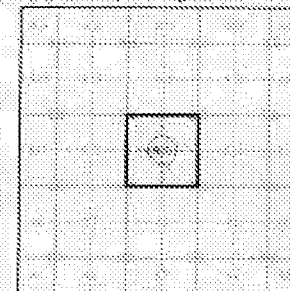
Source map scale - 1:2,500

The historical maps shown were reprinted 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 1880 it covered the whole of what were considered to be the urbanised parts of Great Britain. The published date given below is often some years later than the surveyed date. Early 1930's all 25 maps were based on the Cassell Projection, with independent surveys of a single county or group of counties going on in significant measures in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 109668029_1_1
Customer Ref: 17.5382
National Grid Reference: 494350, 102370
Sheet: A
Site Area (Ha): 0.3
Search Buffer (m): 100

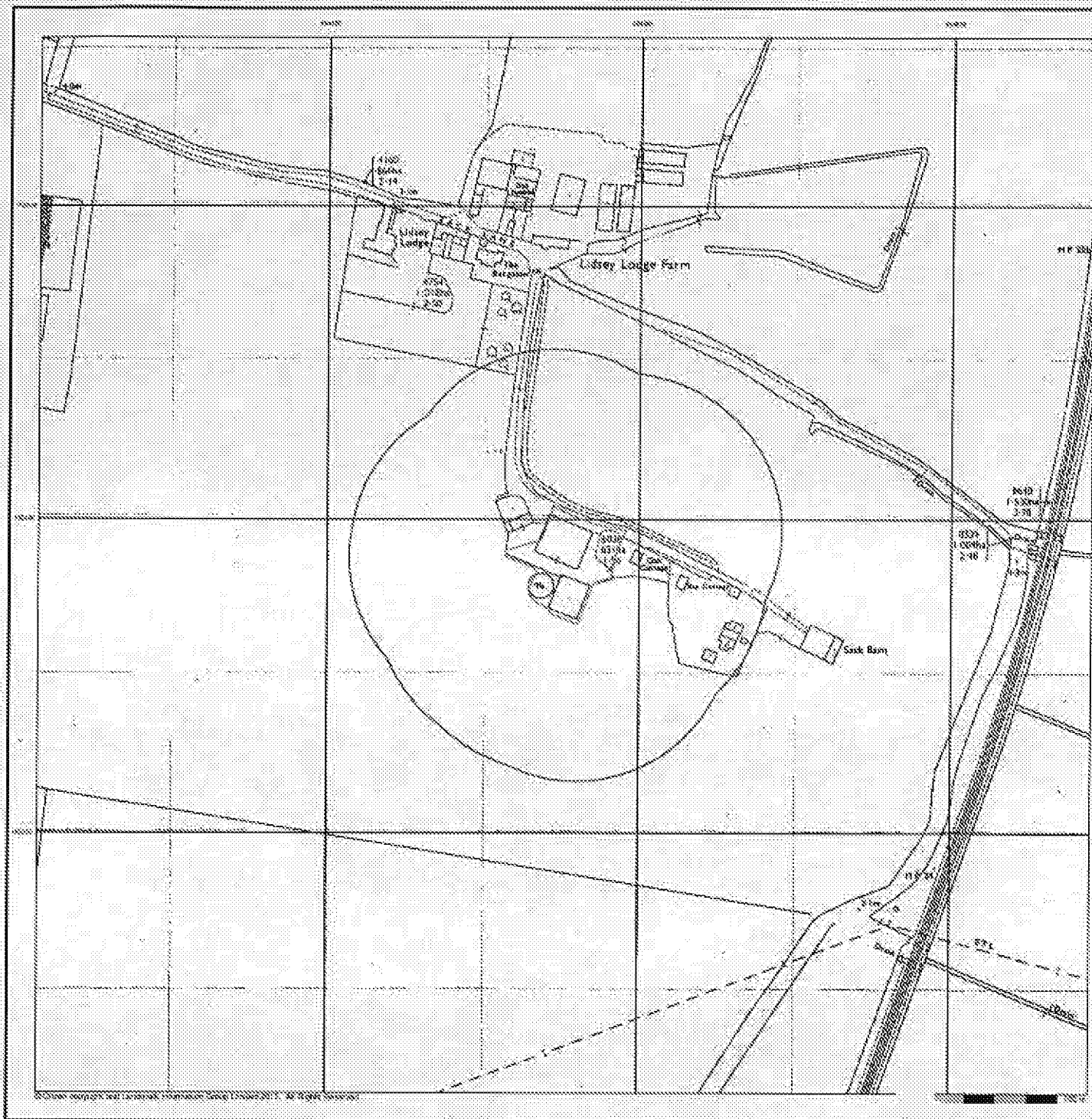
Site Details

Sack Lane Barn, Sack Lane, BOGNOR REGIS, West Sussex, PO22 9PE

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Fax: 0204 344 4032
Email: info@constructiveevaluation.co.uk

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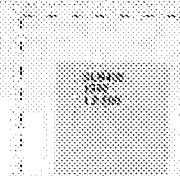
Additional SIMs

Published 1992

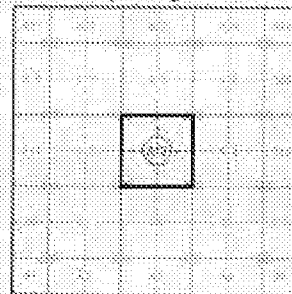
Source map scale - 1:2,500

The SIMs (Constructive Surveys: Survey of Information on Materials) are further, more editions of existing SIMs, were produced and published in 1992, and contain detailed information on buildings, roads and land use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

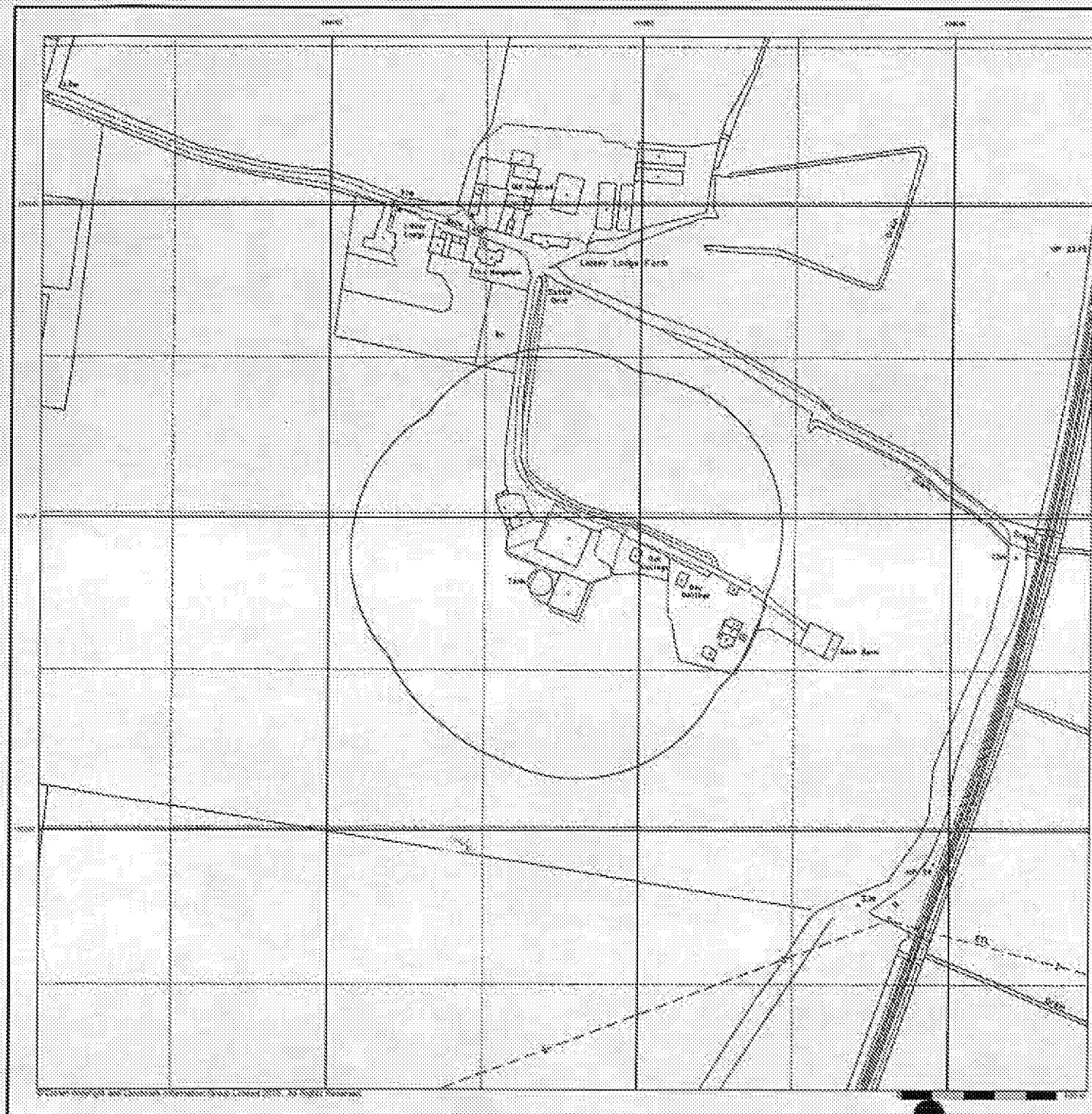


Order Details

Order Number: 109658005_1_1
 Customer Ref: 17.5382
 National Grid Reference: 494550; 382370
 Site: A
 Site Area (Ha): 0.3
 Search Buffer (m): 100

Site Details

Sack Lane Farm, Sack Lane, BOGNOR REGIS, West Sussex, PO22 9PE



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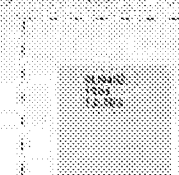
Large-Scale National Grid Data

Published 1994

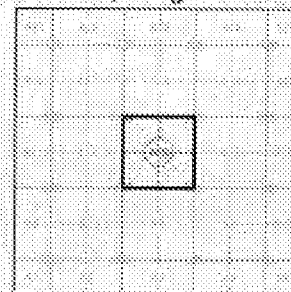
Source map scale - 1:2,500

Large Scale National Grid Data encompasses 250 cards (Ordnance Survey's Survey of Britain on a 1:25,000 scale, and continued to be produced until 1994). These maps were the forerunners of all grid mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 109868000_1_1
Customer Ref: 17_9322
National Grid Reference: 494550, 102370
Scale: A
Site Area (Ha): 0.3
Search Buffer (m): 100

Site Details

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APPENDIX C

Photographic Log



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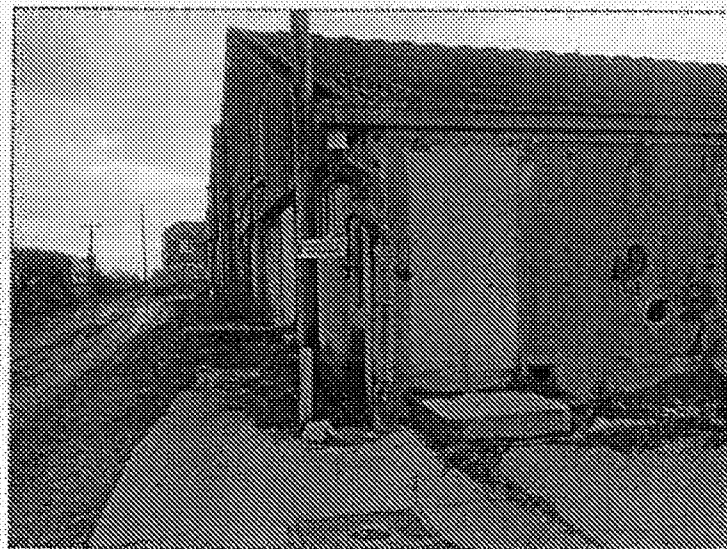
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Investigation Photographs

Project Ref: 17.9382

Site Name: The Dairy Buildings, Sack Lane

1.



2.



- 1) Agricultural farm barn on site.
- 2) Concrete stockpile on site.
- 3) Slurry tank.
- 4) Milking equipment.

3.



4.

