

# Sutcliffe

## Phase I Desk Study

At: Church Raikes, Chipping  
Preston PR3 2QL

Client: LHT

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# SUTCLIFFE INVESTIGATIONS

## PHASE I DESK STUDY

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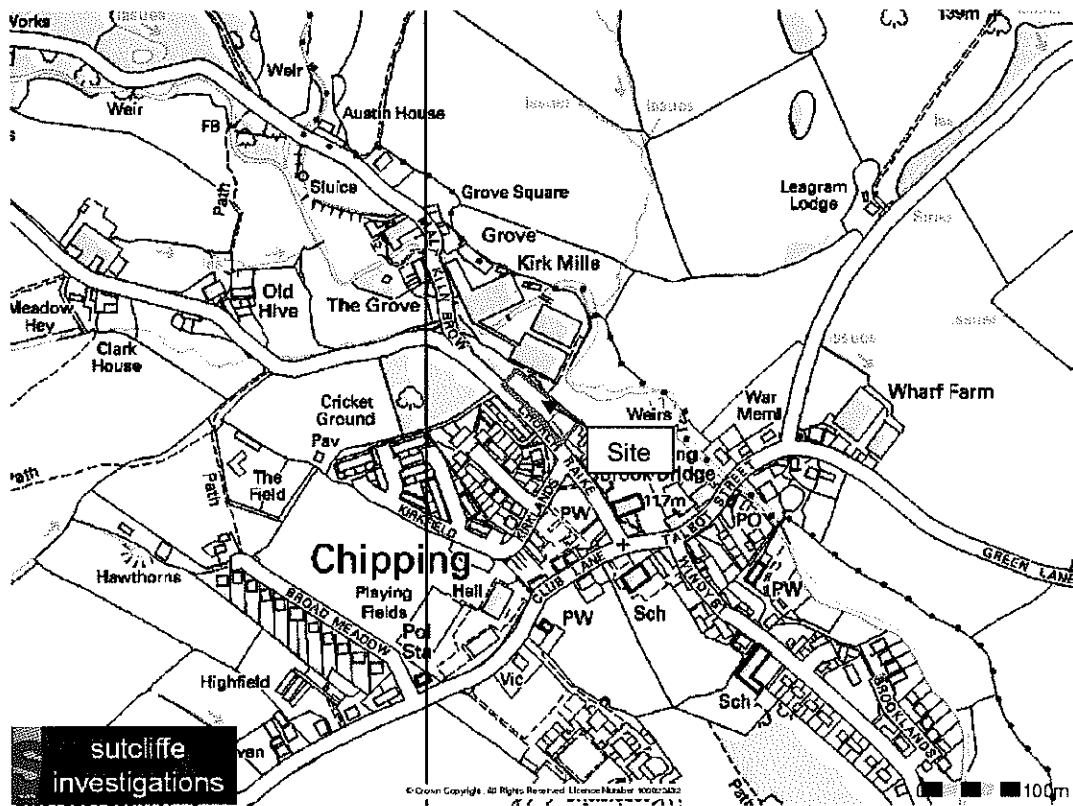
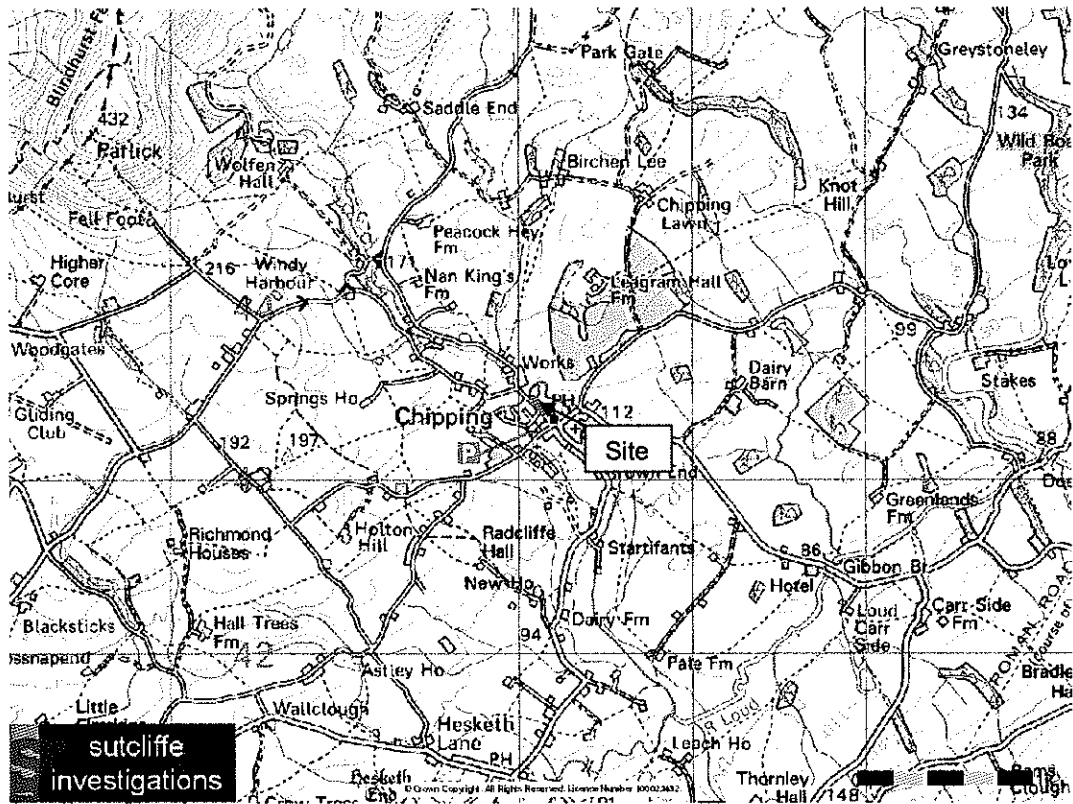
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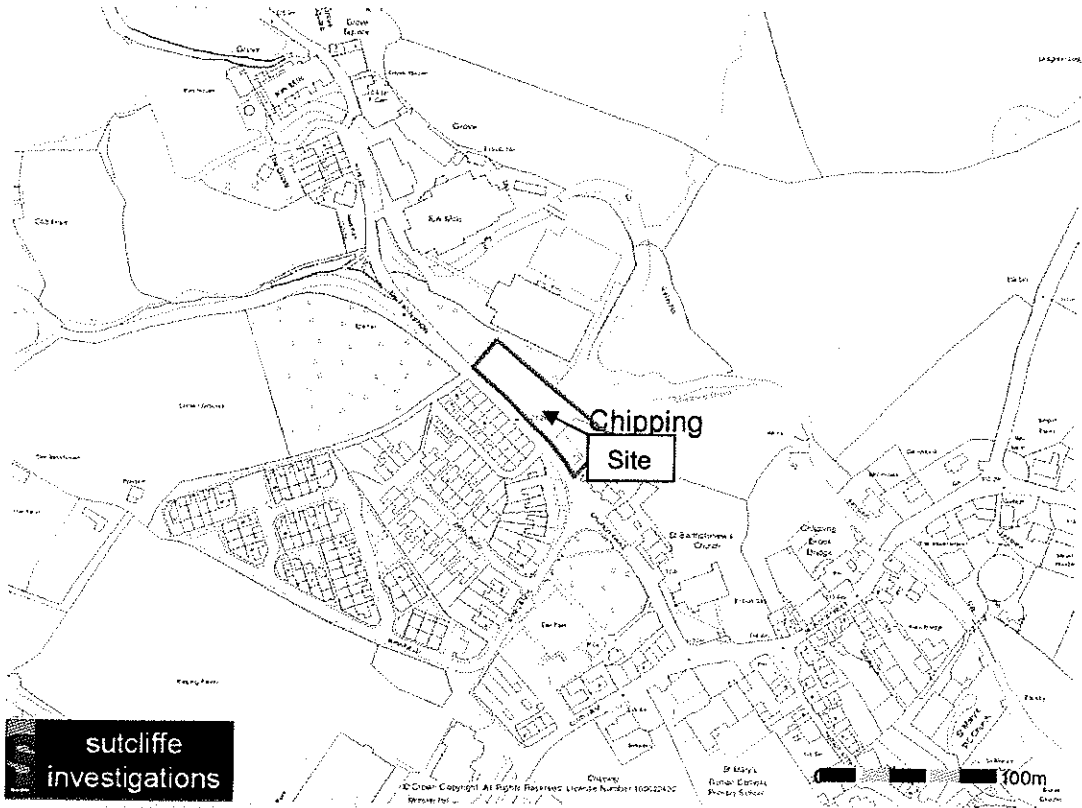
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<b>SITE ADDRESS</b>	Church Raike Chipping Preston PR3 2QL
<b>GRID REFERENCE</b>	362120, 443430
<b>SIZE</b>	0.21Ha
<b>LOCATION</b>	The site is located on Church Raike, within the area of Chipping. The site is approximately 10 miles north east of Preston. Three site location plans of varying scales and an aerial photograph are shown on the following pages.
<b>PROPOSED DEVELOPMENT</b>	The proposed development for the site is for eight houses comprising six 3 bedroom five person houses for social rent and two 4 bedroom houses for private sale. There is a Non-Potable Water Main that is noted running across the site and consideration has been taken for the 5m easement to either side of the pipe.

**SITE PLAN**





**HISTORICAL DEVELOPMENT** From a review of the Ordnance Survey maps provided by Envirocheck®, the following historic developments have been identified:

Date	Scale	On Site	Surrounding Area
1847	1:10,560	Much of the site is <b>undeveloped</b> . A <b>building</b> and an area of <b>garden</b> are noted on the eastern portion of the site however this is thought to be associated with the houses on the eastern border of the site. Although it is unclear from the map it appears <b>trees</b> are noted on site.	Much of the surrounding area appears to be <b>field land</b> dotted with <b>trees</b> and <b>houses</b> . <b>Chipping Brook</b> is noted approximately 40m north east of the site flowing in a north west to south east direction and a <b>church</b> is noted approximately 80m south east of the site. A small cluster of <b>houses</b> are noted beyond this church in the area of Chipping.
1892 - 1893	1:2,500	<b>Trees</b> are no longer noted on site.	<b>Mill Pond</b> is noted approximately 200m north west of the site, a cluster of <b>trees</b> are noted to the south of the pond and large <b>houses</b> are noted in this area including Malt Kiln House, Austin House and Kirk House. <b>Kirk Chair Manufactory</b> is also noted approximately 180m north west of the site. A <b>grave yard</b> associated with the mentioned church is noted approximately 60m south east of the site. There appears to be an increase in houses to the south east of the site in the area of chipping. Another <b>burial ground</b> is noted approximately 220m south east of the site associated with <b>St Marys Church</b> . A <b>school</b> is noted approximately 300m south east of the site and <b>Wharf Farm</b> and <b>Chipping Mill</b> are noted approximately 250m east of the site. The areas to the north, north east and south west are still predominantly areas of <b>field land</b> dotted with <b>trees</b> .
1895	1:10,560	No change is evident on site.	A <b>quarry</b> is noted approximately 800m north of the site.
1912	1:2,500	No change is evident on site.	A <b>smithy</b> is noted approximately 100m south of the site and another <b>mill pond</b> is noted approximately 240m south east of the site.
1913 - 1914	1:10,560	No change is evident on site.	No change is evident in the surrounding area of the site.
1932	1:2,500	No change is evident on site.	No change is evident in the surrounding area of the site.
1956	1:10,000	No change is evident on site.	<b>Buildings</b> are noted on the southern border of the site however due to the scale of the map these purpose of these buildings is unclear.
1968	1:2,500	An <b>additional building</b> is now noted in south eastern corner of the site.	A number of properties to the north west of the site have now been replaced by <b>Kirk Mills</b> , the closest building associated with these mills is noted approximately 60m north west of the site. A cluster of <b>houses</b> are noted on the southern border of the site beyond which a <b>cricket ground</b> and a <b>playing field</b> is noted. A <b>coal yard</b> is noted approximately 100m south of the site. There has also been an increase in the number of residential properties and local amenities including <b>schools</b> and <b>churches</b> in the area of Chipping.
1971	1:10,000	No change is evident on site.	No change is evident in the surrounding area of the site.



Date	Scale	On Site	Surrounding Area
1982	1:2,500	No change is evident on site.	Two large <b>buildings</b> the purpose of which are unknown, are noted approximately 10m north of the site, these buildings are possibly associated with Kirk Mills. There has also been a small increase in <b>residential properties</b> to the south of the site.
1987	1:10,000	No change is evident on site.	No change is evident in the surrounding area of the site.
1994	1:2,500	No change is evident on site.	No change is evident in the surrounding area of the site.
1996	1:2,500	No change is evident on site.	No change is evident in the surrounding area of the site.
2001	1:10,000	No change is evident on site.	No change is evident in the surrounding area of the site.
2006	1:10,000	No change is evident on site.	No change is evident in the surrounding area of the site.
2006	1:10,000	No change is evident on site.	No change is evident in the surrounding area of the site.
2011	1:10,000	No change is evident on site.	No change is evident in the surrounding area of the site. <b>Residential properties</b> are still noted to the south and south east of the site and larger properties and <b>Kirk Mills</b> are still noted to the north and north west of the site. The areas beyond these properties generally consist of <b>field land</b> . <b>Chipping Brook</b> is also still noted to the north of the site, running into <b>Dobson's Brook</b> .

The Historical O.S maps are presented in Appendix C.

**GEOLOGICAL SETTING**

From a review of the British Geological Survey (BGS) Solid and Drift Sheet 067, Garstang (1999) at a scale of 1:50,000 the following geological succession has been identified (Appendix E).

<b>Strata</b>	<b>Description</b>	<b>Approx. Thickness</b>
Superficial Geology	Till, Devensian	N/S
Solid Geology	Park Style Limestone Member Bowland Shale Formation	N/S

A fault is noted approximately 390m west of the site trending east to west. Another fault is noted approximately 530m south of the site trending east to west.

**RADON**

According to the Envirocheck<sup>®</sup> Report, the site is within a radon affected area, as between 1% and 3% of homes are above the action level. However no radon protection measures are necessary in the construction of new dwellings or extensions.

**HYDROGEOLOGY**

The Bedrock is classified as a Secondary A Aquifer by the Environment Agency. These are 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. These are generally aquifers formerly classified as minor aquifers. The Superficial Deposits are classified as Unproductive Strata by the Environment Agency. These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow. According to the EA Groundwater Vulnerability Maps the site is not within a Source Protection Zone.

There are no groundwater abstraction points listed in the Envirocheck<sup>®</sup> Report within 2000m of the site.

**HYDROLOGY**

The nearest surface water feature is listed in the Envirocheck® Report as being located 23m north east of the site, this is not named, but appears to be Chipping Brook.

There are 11 recorded pollution incidents to the controlled waters listed in the Envirocheck® Report, 3 of which were classified as Category 2 –significant incident and 8 were classified as Category 3 – minor incident. The closest incident was identified 95m north east of the site at a discharged at Chipping by Nww, in April 1998 with Raw Water. The most recent pollution incident occurred in July 1999 from a fuel oil spillage at Main Street by The Talbot Hotel, Lancashire. Due to the distance and date of the pollution incidents that have occurred within 1000m of the site the risk of the site being polluted by these is negligible.

There are 4No. surface water abstractions listed within the Envirocheck® Report within 2000m of the site. The nearest of these is located at a spring at Blackhall, Chipping, 1078m south west of the site. The abstraction is for General Use (Medium Loss). It is not thought likely that this will not affect or be affected by the development.

**FLOODING**

According to the Envirocheck® Report the site is not within an area of extreme flooding from rivers or sea without defences. While an area of flooding is noted near the site associated with Chipping Brook, it is though unlikely that the site will be affected due to the topography between the edge of the site and the brook.

**SENSITIVE LAND USE**

The Envirocheck® Report states that the site is in an area if outstanding natural beauty.

**LANDFILLS AND WASTE**

According to the Envirocheck® Report there are is a Historic Landfill 854m west of the site, located at Black Hall Farm, off Garstang Road, Chipping. It is not thought likely that it will affect the site.

**RADIOACTIVE SUBSTANCES** There are no registered radioactive substances located within the area.

**SERVICES**

**Sewer:** Sewers are noted along Church Raike. While no services appear to be present on site a Utility Services Investigation has identified a storm water pipe passing through the site and discharging into Chipping Brook.

**Electricity:** An 11kV electricity line is noted along eastern boundary of the site.

**Water:** A non-potable water main runs across the centre of the site. Consideration of this will be required for the proposed site investigation and the final development.

**BT:** Services are noted along Church Raike. However no services appear to be present on site.

**Gas:** National Grid has identified that it has no record of apparatus in the vicinity of the site. However there may still be gas services present.

**Virgin Media:** Services are noted not noted in the vicinity of the site.

**COAL MINING REPORT**

The site is not in an area for which a Coal Authority Report is required.

**CONCEPTUAL MODEL**

The conceptual model provides a form of qualitative site risk assessment; it identifies where a "pollutant linkage" exists which could lead to harm to human health or the environment. Within the terms set out by Part IIA of the Environmental Protection Act 1990, all three of the following elements must be present for a pollutant linkage to occur.

- Contaminant (Source): a hazardous substance or agent that has the potential to cause harm or damage a receptor.
- Pathway: the means by or through which a contaminant comes into contact with, or otherwise affects, the receptor.
- Receptor: an entity (Human being, aquatic environment, flora and fauna etc) that is vulnerable to the adverse effects of the contaminant.

**POTENTIAL SOURCES**

The site is roughly rectangular in shape and consists a roughly grassed plot that is noted to slope down to the north. The surrounding area consists of residential buildings, fields and a brook. Historically, the surrounding area has been occupied by fields, and housing.

In summary, the following land uses or processes that have occupied the site and the surrounding area have the potential to cause ground contamination.

<b>On Site</b>	<b>Potential Contaminants</b>
Field	Metals
Trees	pH
Out Buildings	Asbestos

Off Site	Potential Contaminants
Fields	Potential for:
Trees	Metals
Housing	Asbestos
Chipping Brook	pH
Church	PAHs
Mill Pond	TPHs
Chair Manufactory	Ground Gas
Grave Yard	
School	
Farm	
Mill	
Quarry	
Smithy	
Coal Yard	

It is not thought that off-site contaminants will affect this site.

#### POTENTIAL PATHWAYS

Potential pathways for the site are:

- Human ingestion / direct contact / inhalation of contaminated soil / dust / water / food through plant root uptake.
- Migration of water borne contaminants through permeable stratum such as the deposits of made ground, service corridors, the sand within the superficial geology.
- Attack on building structures through migration of gas and vapours through permeable ground.
- Migration of gases and vapours through pore and fissure space in made ground, service corridors sand bands in the glacial till.
- Attack on services with presence of corrosion / aggressive substances.

**POTENTIAL RECEPTORS**

The theoretical receptors defined under the *Contaminated Land (England) Regulations 2000* are:

- A living organism, a group of living organisms, an ecological system or piece of property which is being harmed, or could be harmed by a contaminant; and
- Controlled waters that are being, or could be polluted by a contaminant.

With regard to the subject site, the significant potential receptors of contamination are considered to be:

- Human health of site users, site workers and adjacent site users (using site in current condition; ground workers in development of site; using the site in its remediated / developed condition).
- Vegetation.
- Built structures and any below ground infrastructure
- Land adjacent to the site.

**Conceptual Site Model (CSM)**

**POTENTIAL POLLUTION LINKAGES / RISK ASSESSMENT**

Source	Receptor		Pathway	Pollutant Linkage	Consequence	Risk	
Contaminated Soil	Humans	Current	Ingestion, Inhalation Direct Contact	Low likelihood	Medium	Moderate/ Low	
		Developing		Low likelihood	Medium	Moderate /Low	
		Future		Unlikely	Mild	Very Low	
	Building / Services		Dust Direct Contact	Unlikely	Medium	Low	
	Controlled waters	Groundwaters	Leaching Direct Contact	Unlikely	Medium	Low	
		Surface waters		Unlikely	Medium	Low	
	Vegetation		Root Uptake / Direct Contact	Low likelihood	Medium	Moderate/ Low	
	Adjacent land		Windblown dust	Low likelihood	Mild	Low	
	Soil Leachates	Humans	Current	Ingestion Direct contact	Unlikely	Mild	Very Low
			Developing		Low likelihood	Mild	Low
Future			Unlikely		Mild	Very Low	
Building / Services		Direct contact	Low likelihood	Mild	Low		
Controlled waters		Groundwaters	Leaching Direct contact	Low likelihood	Mild	Low	
		Surface waters		Unlikely	Mild	Very Low	
Vegetation		Root Uptake / Direct Contact	Low likelihood	Mild	Low		
Adjacent land		Direct contact	Low likelihood	Mild	Low		
Soil Gas / Vapour		Humans	Current	Asphyxiation	Low likelihood	Medium	Moderate/ Low
			Developing		Low likelihood	Medium	Moderate/ Low
	Future		Low likelihood		Mild	Low	
	Building / Services		Accumulation of explosive gas	Low likelihood	Mild	Low	
	Vegetation		Suffocation of roots	Low likelihood	Mild	Low	
	Adjacent land		Accumulation of explosive gas	Low likelihood	Mild	Low	



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**ENVIRONMENTAL RISK ASSESSMENT / CLASSIFICATION****CLASSIFICATION**

The desktop survey has highlighted areas of concern, and Sutcliffe Investigations have classified these as follows:

- Class 1 Area: Potential for High levels of contamination and migration of contamination off the site.
- Class 2 Area: Potential for Medium levels of contamination and migration of contamination off the site.
- Class 3 Area: Potential for Low levels of contamination and migration of contamination off the site.
- Class 4 Area: Potential for limited contamination.

The following areas of the site have been identified as:

- Class 3: Chipping Brook in the area of the site.
- Class 4: Area of open space.

Overall the risk classification of the site is **Low**.

Low is classified as; it is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.

**Land Use Risk**

The site is roughly rectangular in shape and consists a roughly grassed plot that is noted to slope down to the north. The surrounding area consists of residential buildings, fields and a brook. Historically, the surrounding area has been occupied by fields, and housing.

Historical maps indicate that the following features have been noted on site along its recorded history: a field, trees and out buildings. Off site there have been fields, housing, a brook, church with grave yards, a school, a mill, quarry, smithy and a coal yard.

Taking the above into account, there is a low potential for a degree of localised/wide ground contamination to be present beneath the site as a result of current and past land use. Consequently, the **land use risk is considered to be Low.**

**Environmental Setting Risk** The site is underlain by a Secondary A Aquifer for the bedrock and Unproductive strata for the superficial deposits.

No groundwater water abstractions are noted within 2000m of the site. The nearest surface water feature is noted to be located 23m north east of the site, this is not named, but is Chipping Brook.

Taking the above into account, there is a low potential for a degree of localised leaching of contaminants into controlled waters and ground gas to be present beneath the site from the former land uses indicated before. Consequently the **environmental setting risk for the site is considered to be Low.**

## CONCLUSIONS

The site is roughly rectangular in shape and consists a roughly grassed plot that is noted to slope down to the north. The surrounding area consists of residential buildings, fields and a brook. Historically, the surrounding area has been occupied by fields, and housing.

The nearest surface water feature is listed in the Envirocheck® as being located 23m north east of the site, this is not named, but is Chipping Brook.

There is a Non-Potable water main that runs across the site carrying Raw Water. United Utilities require a 5m easement on either side of the pipe and will require access at all times. The recommendations for the site investigation will have to take this into consideration.

The site is located over a Secondary A aquifer for the bedrock and Unproductive Strata for the superficial deposits.

The site is considered to be of a low environmental risk for its end land use.

**RECOMMENDATIONS**

Sutcliffe Investigations would therefore recommend that a preliminary Phase II: intrusive site investigation to be carried out to determine the status of contamination and to determine the geo-technical properties of the ground for foundation design.

The preliminary Phase II investigation should include the following:

- 1 Days Window samples (minimum depth 5m).
- 3No. installations within window samples to monitor soil gas and groundwater levels.  
Response zones will be within the made ground strata).
- 1 Days JCB Trial Holes
- PID on site
- 10No. Surface Samples
- 5No. Depth Samples
- 14No. Asbestos Samples
- 14No. Organic Matter Samples
- 4No. Speciated TPH Samples
- 5No. Leachate Samples
- 1No. VOC Sample
- 1No. SVOC Sample
- 1No. PCB Sample
- Geo-technical Suite
- 6No. Gas Monitoring Visits
- 2 No. days site attendance
- Note all tests will be carried out to MCERTS Accreditation
- A Tier 1 quantitative and qualitative risk assessment of contamination risk (soil contamination, controlled waters and ground gas), with respect to potential receptors and based upon a residential without plant uptake end use. This assessment will use a mixture of SGVs, Atkins Atrisk Tier 1 values and LQM GAC values.
- All samples will be delivered to a UKAS certified lab on day of sampling and scheduled to ensure holding times/testing times are ensured, all samples will be dealt with in accordance to BS10175
- Assessment of the geo-technical properties of the near surface deposits to enable provision of foundation and highway recommendations.
- Recommendations and Remedial Options if required

The above is based upon a source pathway receptor linkage that will be requested by the Local Environmental Health officer.

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It should be noted that Sutcliffe Investigations have used reasonable skill, care and diligence in the design of the investigation of this site. The inherent infinite variation of ground conditions allows only definition of the actual conditions at the location and depth of exploratory holes, while those at intermediate locations can only be inferred. This site has not been checked for Japanese Knotweed or other detrimental plants.

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**APPENDIX A**  
**GENERIC NOTES**

## Generic Notes – Sutcliffe Investigations

### Environmental Setting

#### General

Third party information obtained from the British Geological Survey (BGS), the Coal Authority, the Local Authority etc is presented in the Correspondence Appendix of the Geoenvironmental Report.

#### Geology, Mining & Quarrying

In order to establish the geological setting of a site, Sutcliffe Investigations refer to BGS maps for the area and the relevant geological memoir.

A coal mining report is obtained from the Coal Authority. Further information is sourced from the Local Authority and by reference to current and historical OS plans.

#### Landfills

Sutcliffe Investigations obtain data from the Landmark Information Group, the Environment Agency and the Local Authority with respect to known areas of landfilling within 250m of the proposed development site. Reference is also made to historical OS plans, which are inspected for evidence of backfilled quarries, railway cuttings, colliery spoil tips etc.

#### Radon

Radon is a colourless, odourless gas, which is radioactive. It is formed in strata that contain uranium and radium (most notably granite) and can move through fissures eventually discharging to atmosphere, or the spaces under and within buildings. Where radon occurs in high concentrations, it can pose a risk to health.

In order to assess potential risks associated with radon gas, Sutcliffe Investigations refer to BRE Report BR211, 1999: *“Radon: guidance on protective measures for new dwellings”*.

BR211 provides a preliminary indication of the measures required for a particular site, but it is also often necessary to request a Stage 2 Protective Measures Site Report from the BGS.

The level of protection needed is site-specific and is determined by reference to the radon potential map for the area followed by a geological assessment of the site. This information is contained in the Annexes of BR211.

Annex A – derived from statistical analysis of radon measurements in existing houses carried out by the NRPB and grouped on 5km grid.

Annex B – based on an assessment of the same radon measurements grouped by geological units. The maps show the 5km grid squares underlain completely or in part, by geological units which potentially exceed the action levels for radon protective measures. The grid squares are coded according to highest potential within the square. In many cases the actual geological radon potential varies considerably within a grid square.

Sutcliffe Investigations adopt the following procedure when assessing risk associated with radon.

Firstly, Annex A maps are reviewed to see whether the site requires full, basic or no measures. If the site is in a dark brown square, full radon protection measures are required. If the site is in a light brown square, reference should be made to Annex B.

Secondly, Annex B maps are reviewed to see whether a further geological assessment is required which may result in upgrading the result from Annex A. If a site lies within a shaded square, it may require radon protection and Sutcliffe Investigations request a Stage 2 Protective Measures Site Report from the BGS.

**If the site is in a square that is not coloured or shaded in either set of maps then no radon protection is needed and therefore a BGS Report is not normally necessary.**

The BGS geological assessment involves checking whether the site is on or close to a geological unit that has statistically been found to have elevated radon potential. The geological assessment is based on either 1:50,000 or the 1:250,000 scale data. The search area specified as part of the request is increased by 50m in areas where 1:50,000 data is available and by 500m in areas with 1:250,000 scale data to allow for potential inaccuracies in the position of boundaries. The BGS report indicates the highest level of protection required within the search area and its buffer zone.

When requesting a BGS report, Sutcliffe Projects select the search radius carefully, since too large a search radius may result in the inclusion of areas underlain by geological units of a higher radon potential, thereby giving rise to recommending too high a level of protection.

The report also includes (where available), a list of the geological units included in the assessment. Sutcliffe Investigations check that these actually underlie the site, rather than the buffer zone only.

On the basis of radon measurements in dwellings and on their geological interpretation, the BGS report stipulates the level of protective measures required for the proposed development site, and this could be:

1. no measures
2. basic measures or
3. full measures

Details of these measures are provided in the Hazardous Gas section of this Geoenvironmental Report.

## **Hydrogeology**

Sutcliffe Investigations obtain information from the Environment Agency (EA) and the Landmark Information Group with respect to:

- groundwater quality
- recorded pollution incidents
- licensed groundwater abstractions

Reference is also made to the EA document "Policy and Practice for the Protection of Groundwater" (1998) and the relevant Groundwater Vulnerability Map.

Bedrock and any overlying granular Drift deposits are classified by the EA.

**Major aquifers:** *"Highly permeable formations, usually with a known or probable presence of significant fracturing. They may be highly productive and able to support large abstractions for public water supply and other purposes".*

**Minor aquifers:** *"Fractured or potentially fractured rocks which do not have a high primary permeability, or other formations or variable permeability. Although these aquifers will seldom produce large quantities of water for abstractions, they are important both for local supplies and in supplying base flow to rivers".*

**Non-aquifers:** *"Formations which are generally regarded as containing insignificant quantities of groundwater. However groundwater flow through such rocks, although imperceptible, does take place and needs to be considered in assessing the risk associated with persistent pollutants. Some non-aquifers can yield water in sufficient quantities for domestic use".*



Groundwater vulnerability is determined by 4 variables:

1. The presence and nature of overlying soil (the weathered zone affected by living organisms; soil in the UK can extend up to 2m in depth). Physical properties of the soil affect the downward passage of water and its ability to attenuate pollutants. The EA make reference to a three-fold classification of soil types:-
  - Soils of **low** leaching potential are defined as "*soils in which the pollutants are unlikely to penetrate the soil layer because either water movement is largely horizontal, or they have the ability to attenuate diffuse pollutants*".
  - Soils of **intermediate** leaching potential are defined as "*soils which have a moderate ability to attenuate diffuse source pollutants or in which it is possible that some non-absorbed diffuse source pollutants and liquid discharges could penetrate the soil layer*".
  - Soils of high leaching potential are defined as "*soils with little ability to attenuate diffuse source pollutants and in which non-absorbed diffuse source pollutants and liquid discharges have the potential to move rapidly to underlying strata or to shallow groundwater*".

In urban areas and restored mineral workings the soil information is based on fewer observations than elsewhere. A worst-case vulnerability (H) is therefore assumed for these areas and for current mineral workings by the EA. All are given a designation of **HU** unless proved otherwise.
2. The presence and nature of Drift, which often overlies bedrock. Where Drift is of substantial thickness and low permeability, it can provide an effective barrier to surface pollutant migration. Permeability Drift is classified as a Minor Aquifer except where it is in probable hydraulic continuity with a Major Aquifer, where it is regarded as part of the Major Aquifer unless proven otherwise by site investigation.
3. The nature of the geological strata (bedrock). Rocks that contain groundwater in exploitable quantities are called aquifers.
4. The depth of the unsaturated zone; i.e. that part of the aquifer which lies above the water table.

The EA have also designated Source Protection Zones, which are based on proximity to a groundwater source (springs, wells and abstraction boreholes). The size of a Source Protection Zone may vary from tens to several thousand hectares.

## Hydrology

Sutcliffes obtain information from the Environment Agency and the Landmark Information Group with respect to:

- Surface water quality
- Recorded pollution incidents
- Licensed abstractions (groundwater & surface waters)
- Licensed discharge consents
- Site susceptibility to flooding

The EA have set **water quality** targets for all rivers. These targets are known as River Quality Objectives (RQOs). The water quality scheme used to set RQO planning targets is known as the River Ecosystem scheme. The scheme comprises five classes (RE1 to RE5) which reflect the chemical quality requirements of communities of plants and animals occurring in our rivers.

General Quality Assessment (GQA) grades reflect actual water quality. They are based on the most recent analytical testing undertaken by the EA. There are six GQA grades (denoted A to F) defined by the concentrations of biochemical oxygen demand, total ammonia and dissolved oxygen.

The susceptibility of a site to **flooding** is assessed by reference to a Flood Map on the Environment Agency's website. These maps provides show natural floodplains – areas potentially at risk of flooding if a river rises above its banks or high tides and stormy seas cause flooding in coastal areas.

There are different kinds of area shown on the Flood Map:

1. Dark blue areas could be flooded by the sea by a flood that has a 0.5% (1 in 200) or greater chance of happening each year, or by a river by a flood that has a 1% (1 in 200) or greater chance of happening each year.
2. Light blue areas show the additional extend of an extreme flood from rivers or the sea. These outlying areas are likely to be affected by a major flood, with up to a 0.1% (1 in 1000) chance or occurring each year.

These two colours show the extent of the natural floodplain if there were no flood defences or certain other manmade structures and channel improvements.

The maps also show all flood defences built in the last five years to protect against river floods with a 1% (1 in 100) chance of happening each year, or floods from the sea with a 0.5% (1 in 200) chance of happening each year, together with some, but not all, older defences and defences which protect against smaller floods.

The Agency's assessment of the likelihood of flooding from rivers and the sea at any location is based on the presence and effect of all flood defences, predicted flood levels and ground levels.

It should also be noted that as the floodplain shown is the 1 in 100 year (or 1 in 200 year as appropriate) areas outside this may be flooded by more extreme floods (e.g. the 1 in 1000 year flood). Also, parts of the areas shown at risk of flooding will be flooded by lesser floods (e.g. the 1 in 5 year flood). In some places due to the shape of the river valley the smaller floods will flood a very similar extent to larger floods but to a lesser depth.

If a site falls within a floodplain, it is recommended that a flood survey be undertaken by a specialist consultant who can advise on appropriate mitigating measures; i.e. raising slab levels, provision of storage etc.

### **COMAH & Explosive Sites**

Sutcliffe Investigations obtain information from the Landmark Information Group with respect to COMAH or explosive sites within 1km of the proposed development site. Sutcliffe Investigations' report refers to any that are present and recommends that the Client seeks further advice from the HSE.

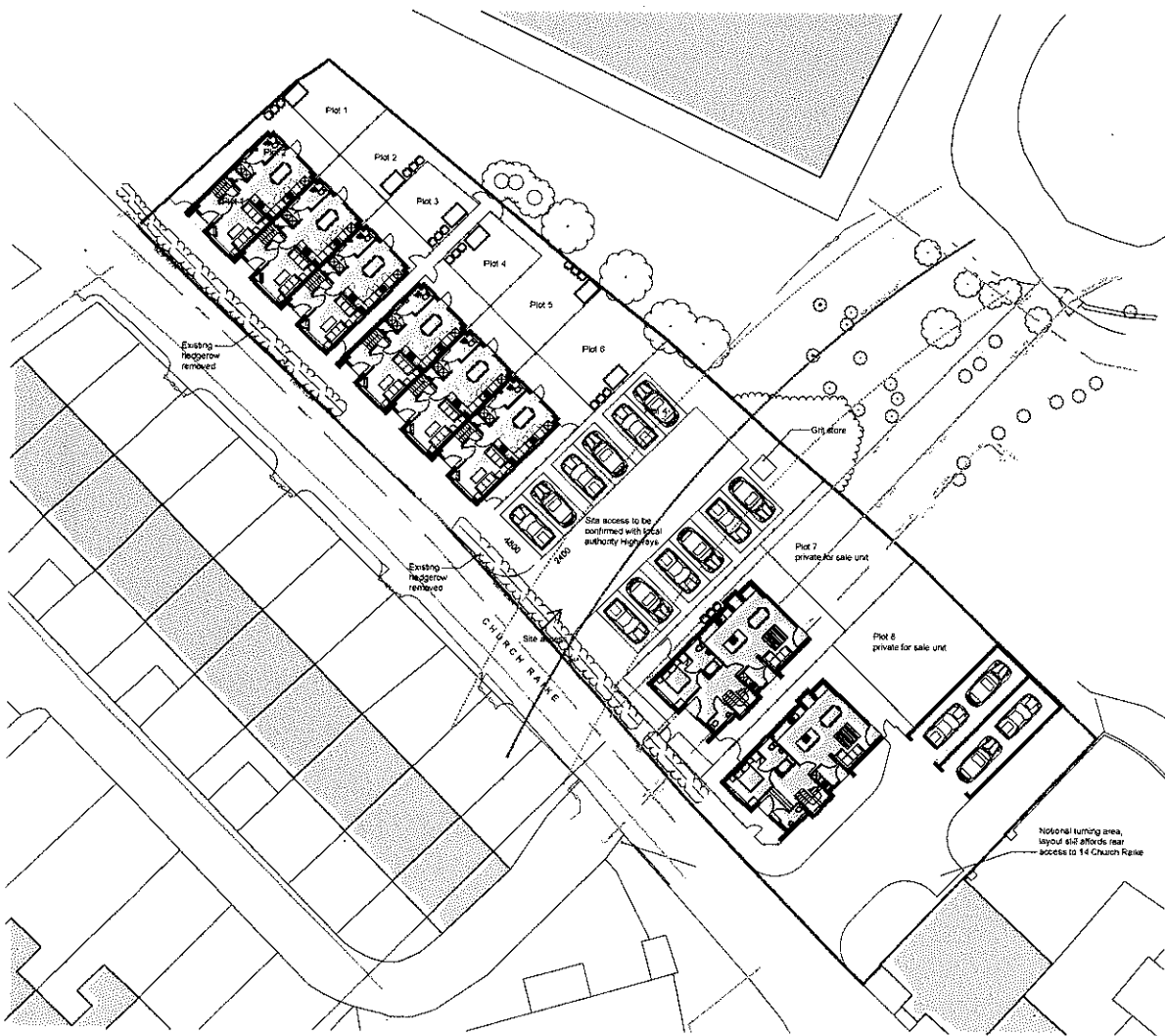
Areas around COMAH sites (chemical plants etc) are zoned with respect to the implementation of emergency plans. The HSE are a statutory consultee to the local planning authority for all COMAH sites. The COMAH site may have to revise its emergency action plan if development occurs. This might be quite straightforward or could entail significant expenditure. Consequently, the COMAH site may object to a proposed development (although it is the Local Authority who have final say and they are likely to place more weight on advice from the HSE).

### **Preliminary Conceptual Ground Model**

The site's environmental setting (and proposed end use) is used by Sutcliffe Investigations to assess the significance of any contamination encountered during the subsequent ground investigation.

**APPENDIX B  
DRAWINGS**





**Copyright**  
 The copyright of this drawing is held by Croft Goode Limited, and no reproduction is allowed without prior permission

**Notes**  
 This drawing must be checked and verified by the contractor prior to work commencing on site

Liability shall not be taken for any defects in this drawing unless, prior to commencing, the drawing and all its dimensions have been so checked and verified

All dimensions are in millimetres.

Do not scale

Type A 366p house	6
86.2m <sup>2</sup> ±28m <sup>2</sup>	
Type B 405p house	2
183.6m <sup>2</sup> ±1,975m <sup>2</sup>	
<b>Total</b>	<b>8</b>

**Key**

- Mains Water (Non Potable Mains)
- 5 meters either side of the Mains Water
- 2 Sewer Storm Water Connections



Scale: 1:500

Project: Proposed Residential Development  
 Church Raie  
 Chipping

Client: Liverpool Housing Trust

Project: Proposed Site Plan

Planning

09-1441-P07 B 1:500 @ A2 CLB 22/1/11



**APPENDIX C**  
**HISTORICAL MAPS**

## Historical Mapping Legends

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


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

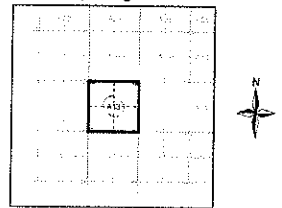

### Large-Scale National Grid Data 1:2,500 and 1:1,250




### Historical Mapping & Photography included:

Mapping Type	Scale	Date	Page
Lancashire And Furness	1:2,500	1882 - 1893	2
Lancashire And Furness	1:2,500	1912	3
Lancashire And Furness	1:2,500	1882	4
Ordnance Survey Plan	1:2,500	1886	5
Additional SIMs	1:2,500	1987	6
Large Scale National Grid Data	1:2,500	1994	7
Large Scale National Grid Data	1:2,500	1996	8

### Historical Map - Segment A13



### Order Details

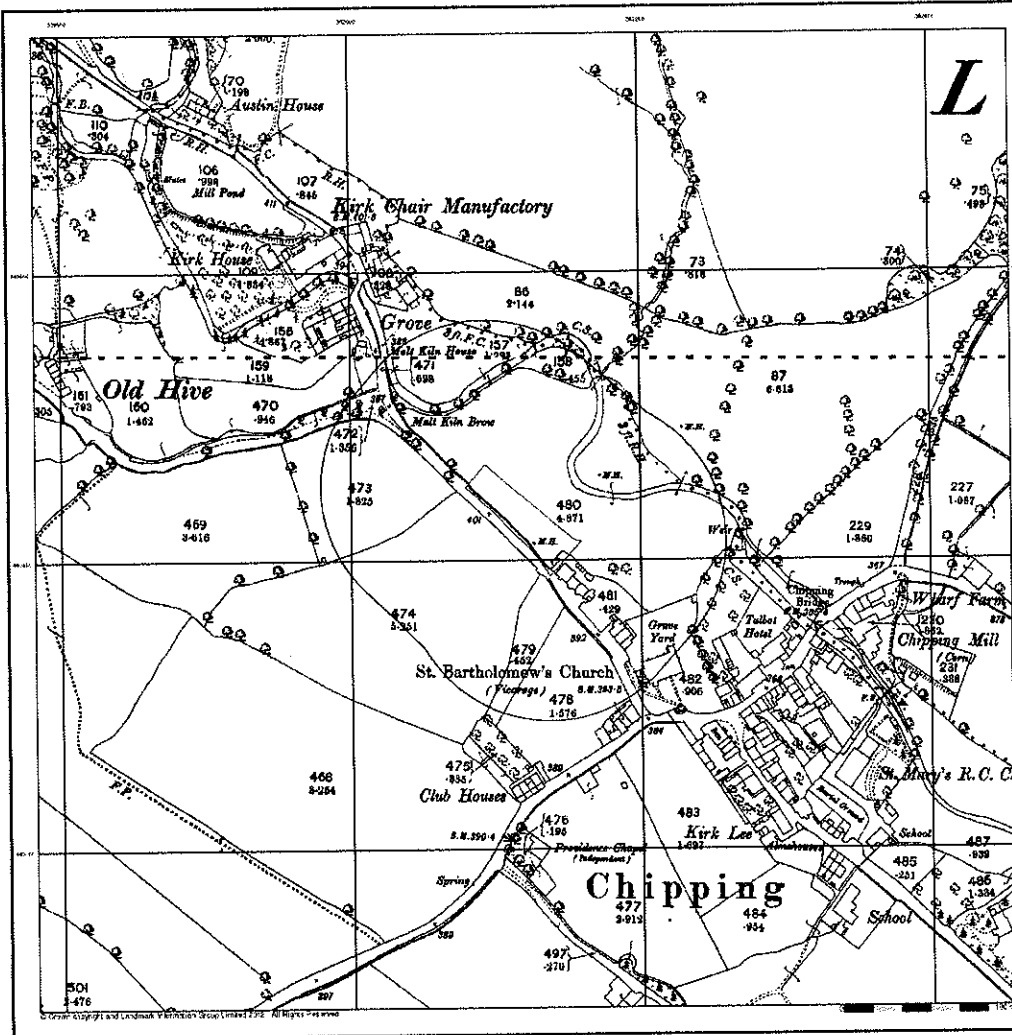
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 Site Area (Ha): 0.21  
 Search Buffer (m): 100

### Site Details

Church Raik, Chipping, PRESTON, PR3 2QL



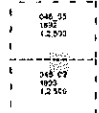
Tel: 0844 844 8950  
 Fax: 0844 844 8951  
 Web: www.landmark.co.uk



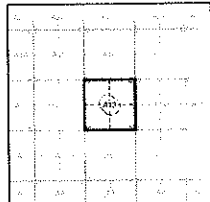
**Lancashire And Furness  
Published 1892 - 1893  
Source map scale - 1:2,500**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1955 the 1:2,500 scale was adopted for mapping urban areas and by 1960 it covered the whole of what was considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1908, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**

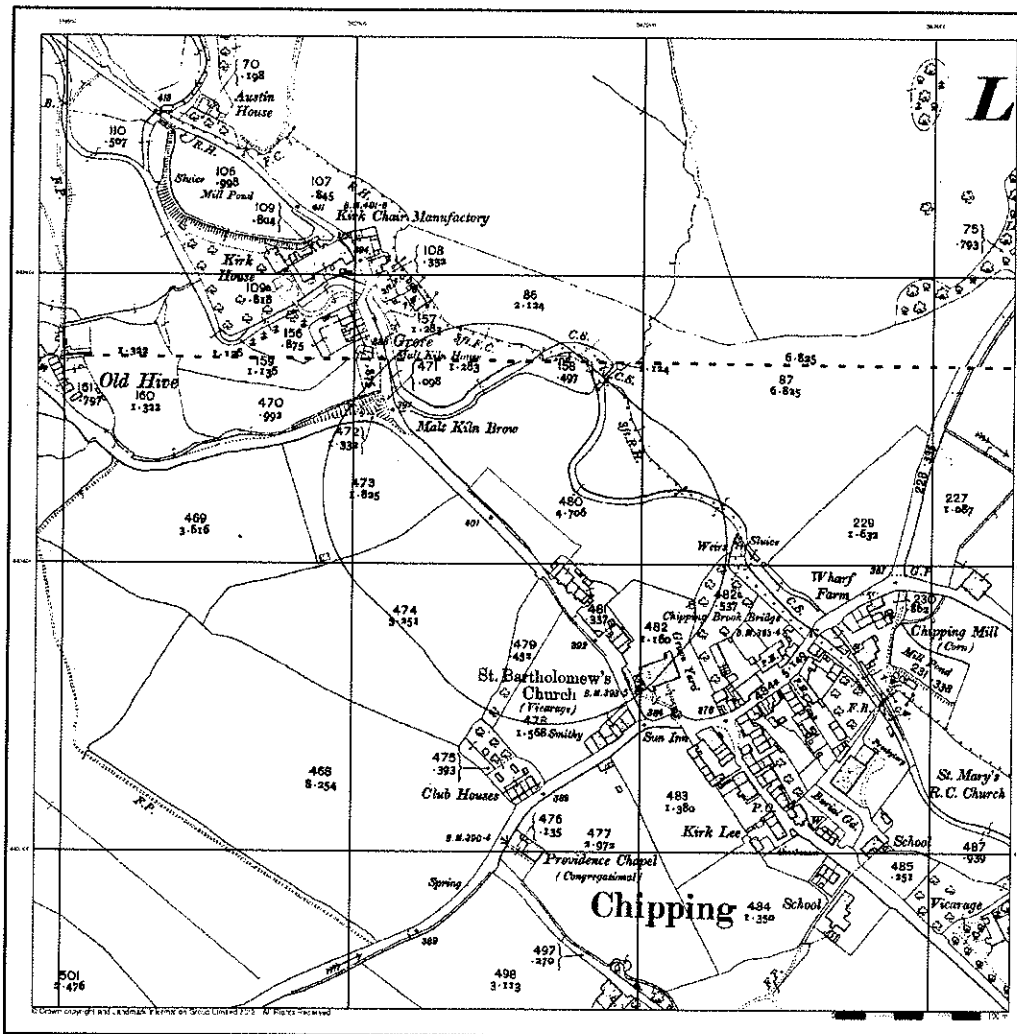


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 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 100

**Site Details**  
 Church Rake, Chipping, PRESTON, PR3 2QL

**Landmark**  
 Tel: 0844 844 5057  
 Fax: 02-74 844 9951  
 Web: www.earthcheck.co.uk





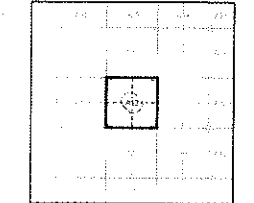
**Lancashire And Furness**  
**Published 1912**  
**Source map scale - 1:2,500**

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**Map Name(s) and Date(s)**

046_35	1912	1:2,500
046_49	1912	1:2,500

**Historical Map - Segment A13**

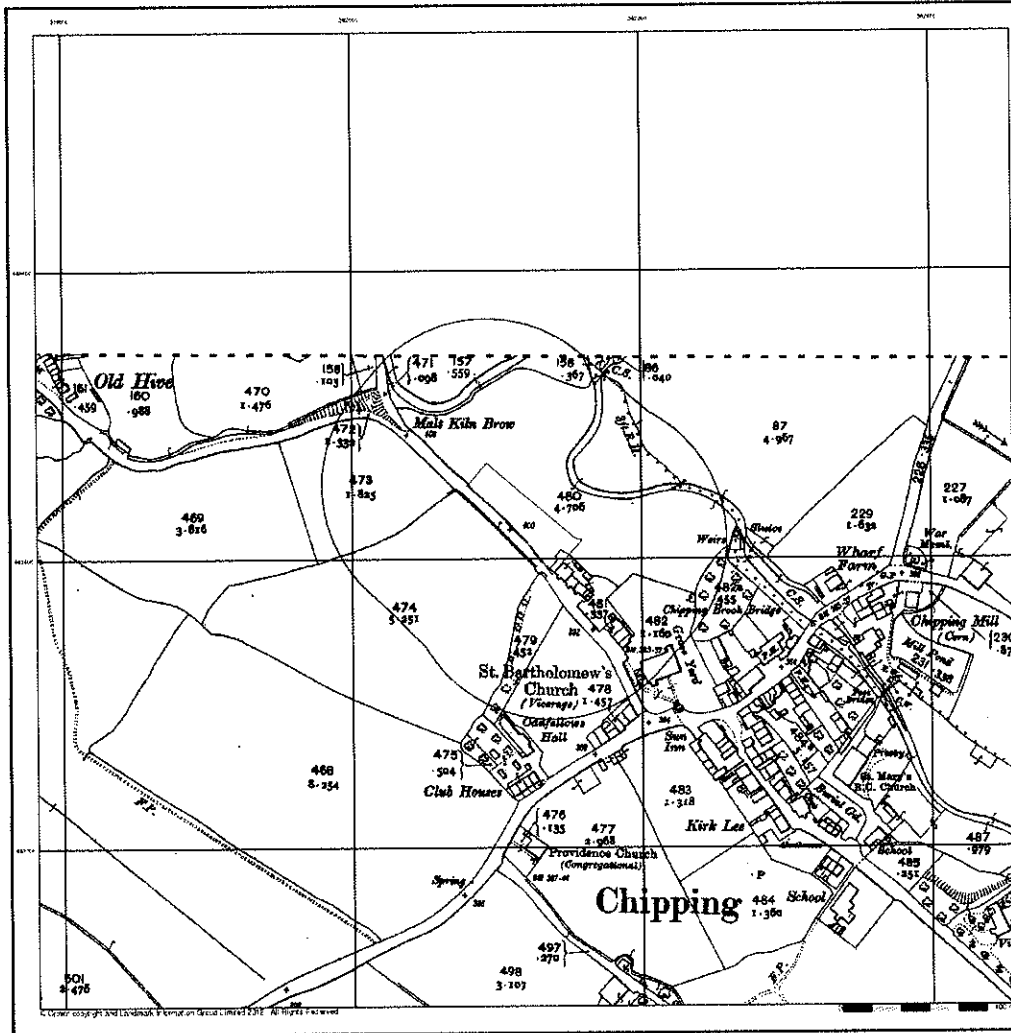


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**Site Details**

Church Raik, Chipping, PRESTON, PR3 2QL



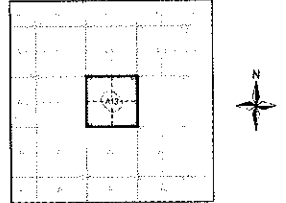
**Lancashire And Furness**  
**Published 1932**  
**Source map scale - 1:2,500**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1880 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published data given below is often some years later than the surveyed data. Before 1838, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**



**Order Details**

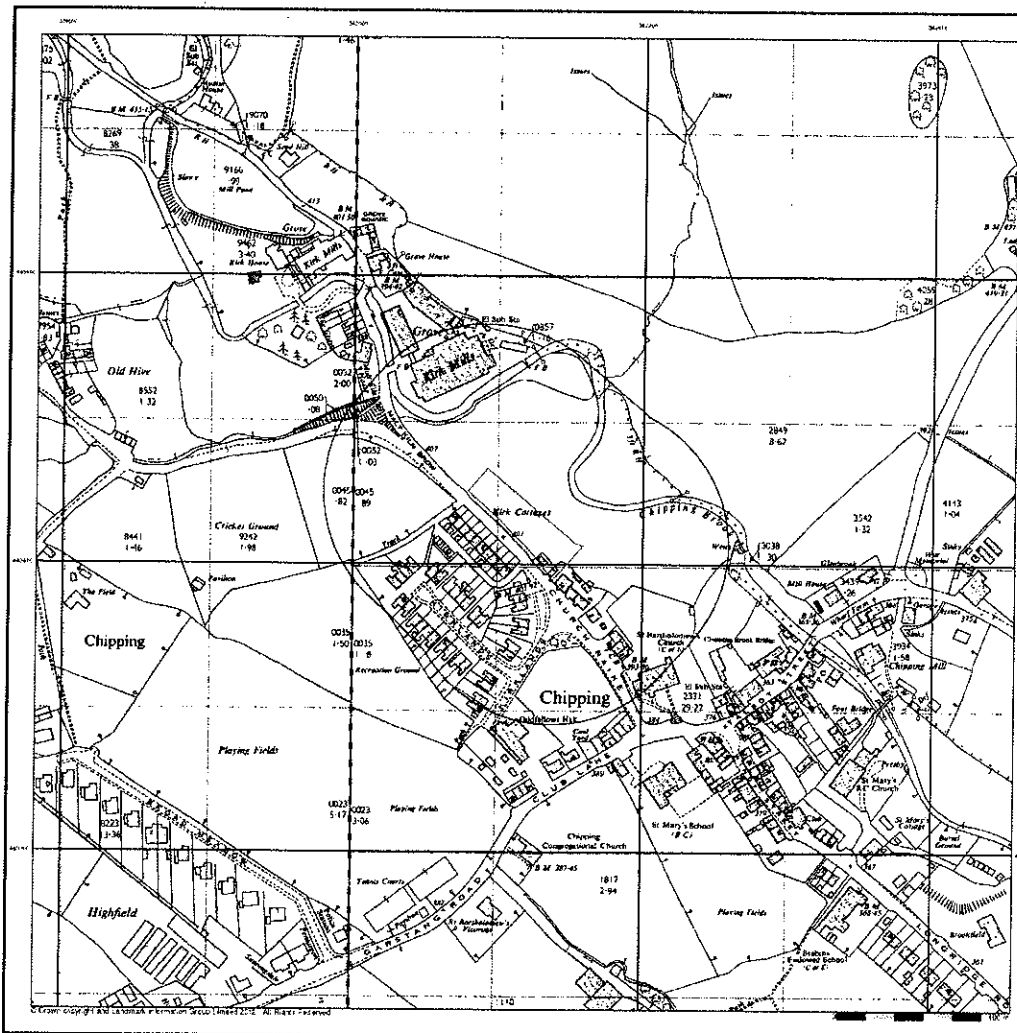
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**Site Details**

Church Raikes, Chipping, PRESTON, PR3 2QL



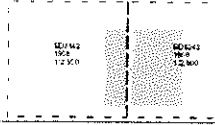
Tel: 01494 604500  
 Fax: 01494 604501  
 www.landmark.co.uk



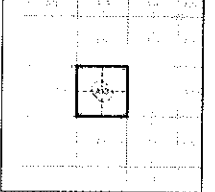
**Ordnance Survey Plan  
Published 1968  
Source map scale - 1:2,500**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1899 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published data given below is often some years later than the surveyed date. Before 1858, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**



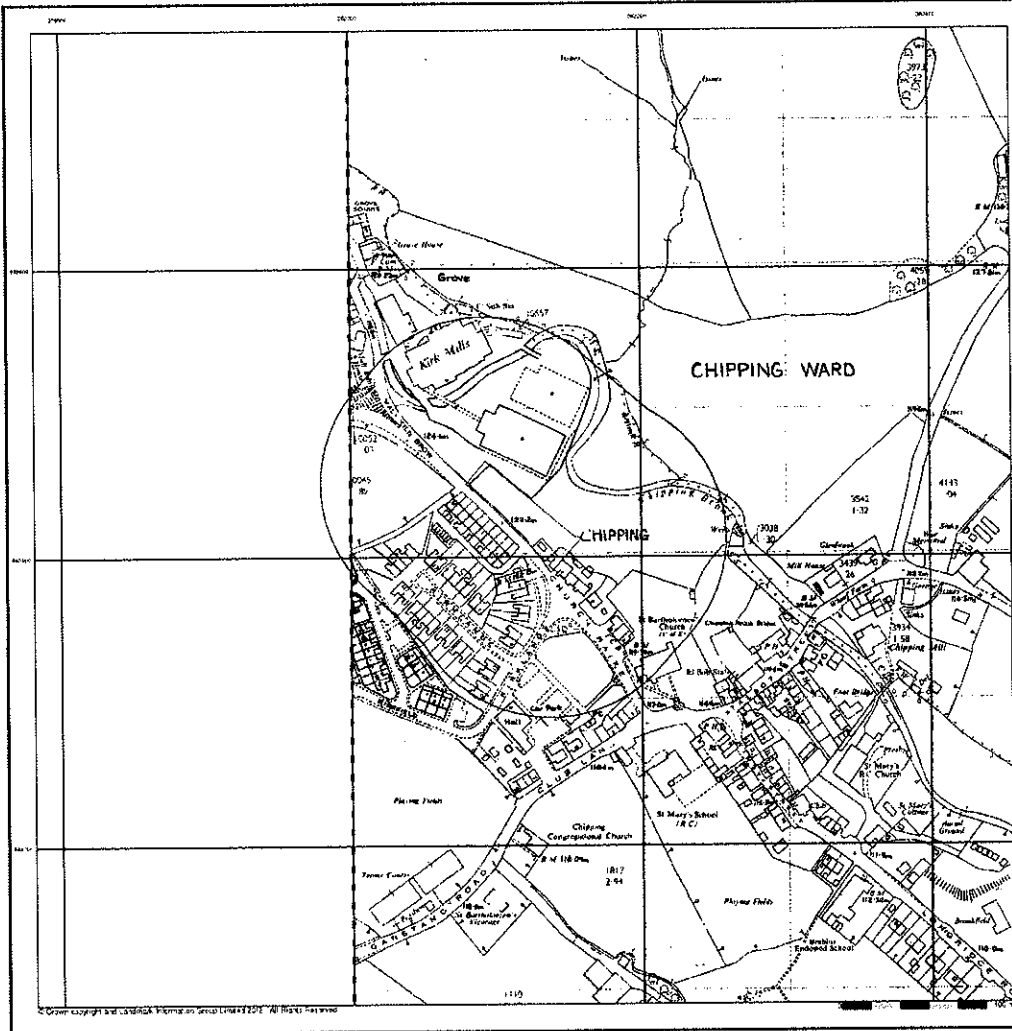
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 Search Buffer (m): 100

**Site Details**

Church Raikie, Chipping, PRESTON, PR3 2QL

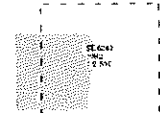
**Landmark** Tel: 0546 244 6952 Fax: 0546 244 6953 Web: www.landmark.co.uk



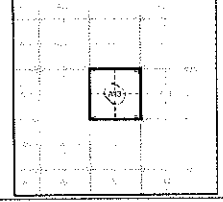
**Additional SIMs**  
**Published 1982**  
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**



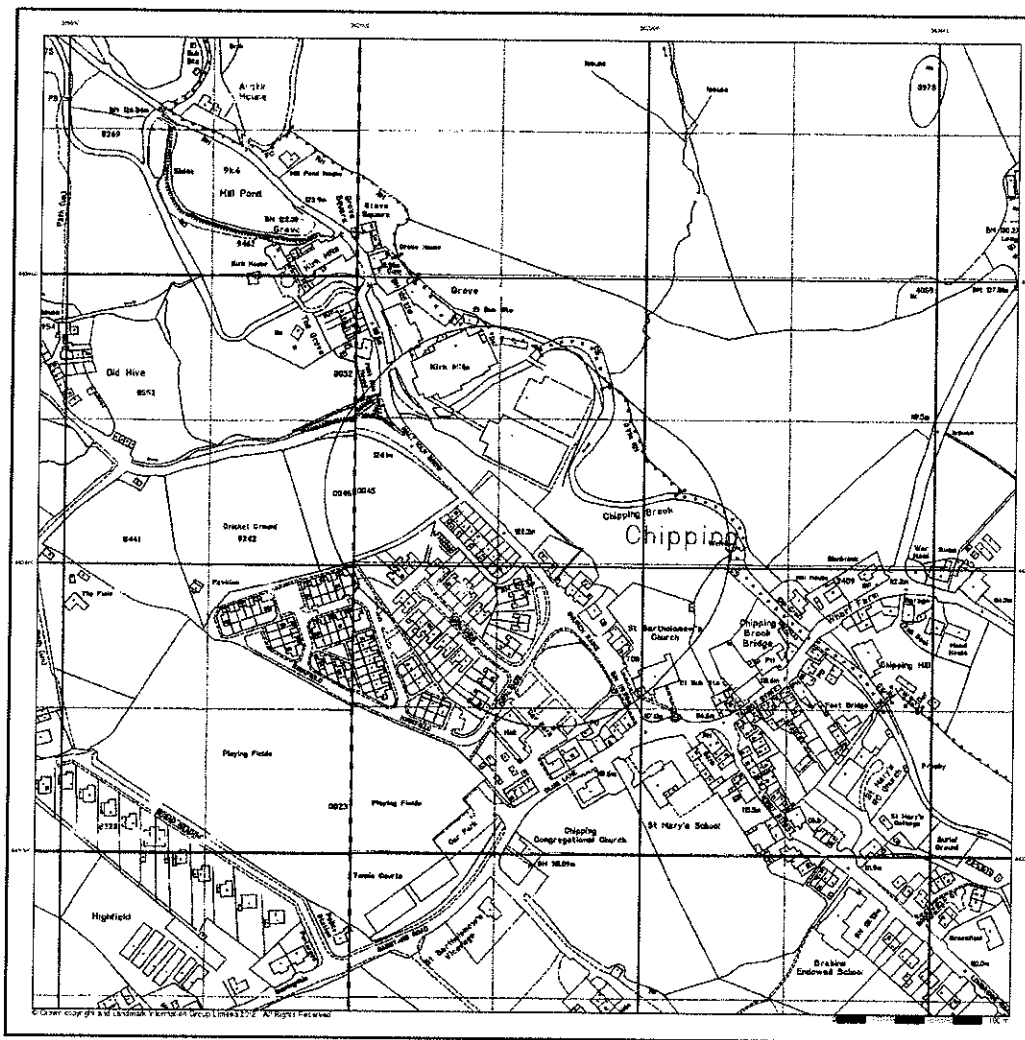
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**Site Details**  
 Church Raikie, Chipping, PRESTON, PR3 2QL

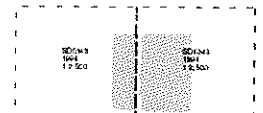
**Landmark** Tel: 0844 344 0002  
 Fax: 0844 344 0001  
 www.landmark.co.uk



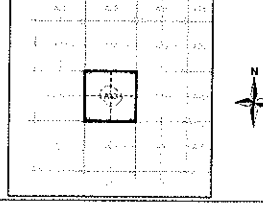
**Large-Scale National Grid Data  
Published 1994**

**Source map scale - 1:2,500**  
 Large Scale National Grid Data superimposed 50m grids (Ordnance Survey's Survey of Information on Microfilm) in 1992, and continued to be produced until 1999. These maps were the forerunners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**

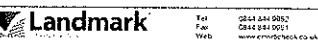


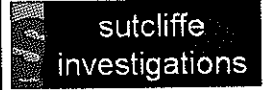
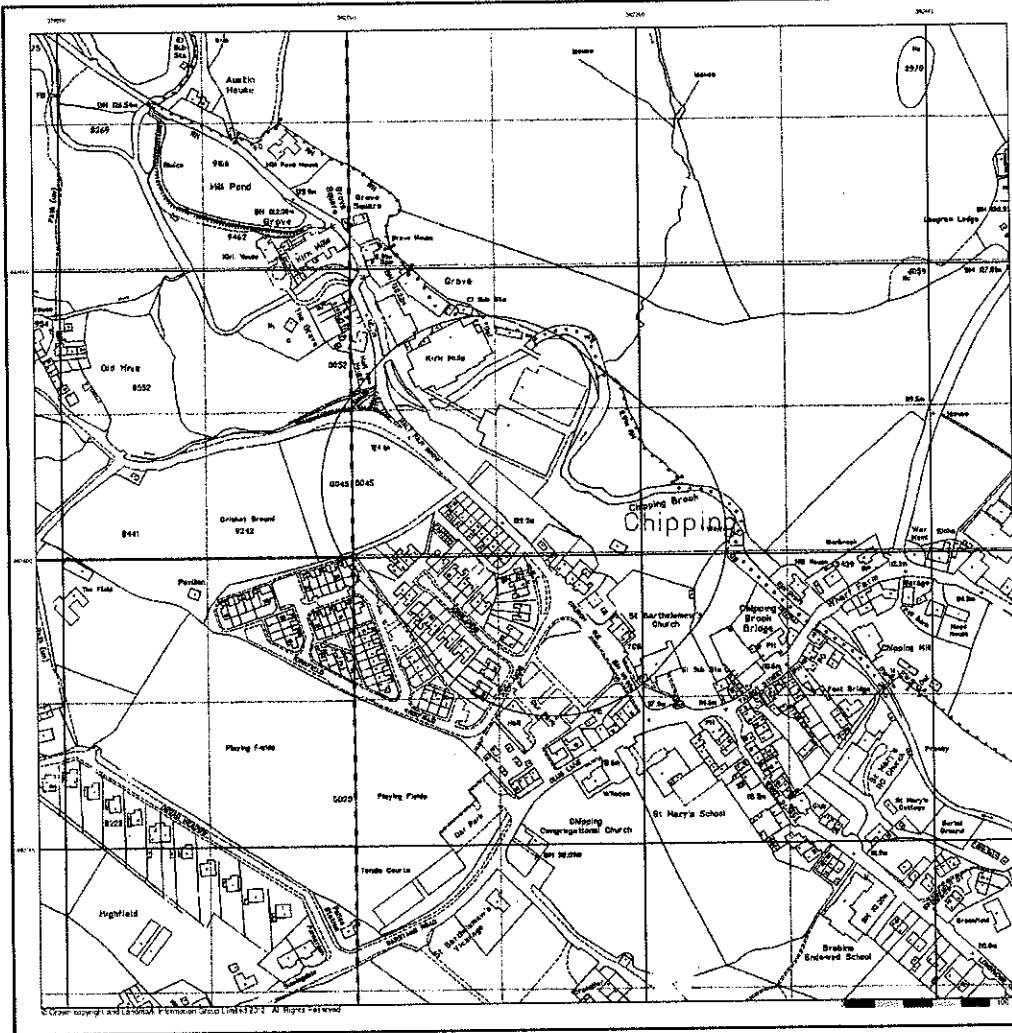
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**Site Details**

Church Raikie, Chipping, PRESTON, PR3 2QL

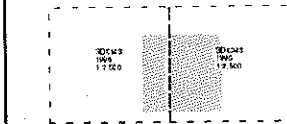




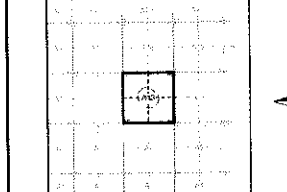
**Large-Scale National Grid Data  
Published 1996**

**Source map scale - 1:2,500**  
Large Scale National Grid Data' superseded SMI cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1996. These maps were the forerunners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

**Map Name(s) and Date(s)**



**Historical Map - Segment A13**



**Order Details**  
 Order Number: 38340273\_1\_1  
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 Site: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 100

**Site Details**  
 Church Raikie, Chipping, PRESTON, PR3 2QL

**Landmark** Tel: 01462 844955 Fax: 01462 564955 Web: www.landmark.co.uk

# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560


Arrow denotes flow of water  
 Site of Antiquities  
 Pump, Guide Post, Signal Post  
 Surface Level


County Boundary (Geographical)  
 County & Civil Parish Boundary  
 Administrative County & Civil Parish Boundary  
 County Borough Boundary (England)  
 County Burgh Boundary (Scotland)  
 Rural District Boundary  
 Civil Parish Boundary

## Ordnance Survey Plan 1:10,000


Standard Gauge Multiple Track  
 Standard Gauge Single Track  
 Siding, Tramway or Mineral Line  
 Narrow Gauge

Geographical County  
 Administrative County, County Borough or County of City  
 Municipal Borough, Urban or Rural District, Burgh or District Council  
 Borough, Burgh or County Constituency  
Shows only where not coincident with other boundaries  
 Civil Parish  
Shows only where not coincident with other boundaries

Boundary Post or Stone	Police Station
Church	Post Office
Chalk House	Public Convenience
Fire Engine Station	Public House
Foot Bridge	Signal Box
Fountain	Spring
Guide Post	Telephone Call Box
Mile Post	Telephone Call Post
Mile Stone	Well

## 1:10,000 Raster Mapping


General detail  
 Underground detail  
 Narrow gauge railway  
 Multi-track railway  
 Single track railway  
 County boundary (England only)  
 District, Unitary, Metropolitan, London Borough boundary  
 Civil parish or community boundary  
 Constituency boundary


Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Leicestershire And Furness	1:10,000	1847	2
Yorkshire	1:10,000	1862	3
Leicestershire And Furness	1:10,000	1862	4
Yorkshire	1:10,000	1866	5
Leicestershire And Furness	1:10,000	1913 - 1914	6
Leicestershire And Furness	1:10,000	1933	7
Ordnance Survey Plan	1:10,000	1956	8
Ordnance Survey Plan	1:10,000	1971	9
Ordnance Survey Plan	1:10,000	1981	10
10K Raster Mapping	1:10,000	2001	11
10K Raster Mapping	1:10,000	2006	12
10K Raster Mapping	1:10,000	2011	13

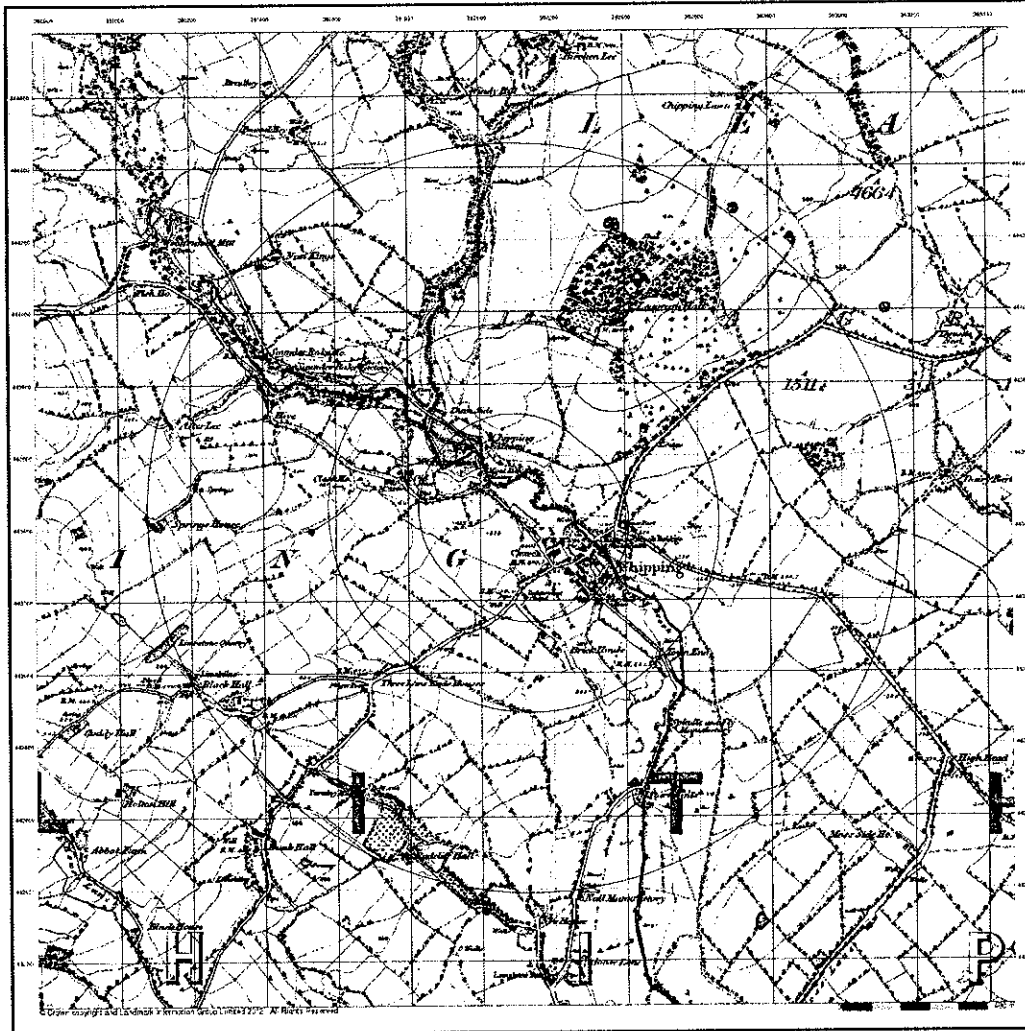
### Historical Map - Slice A


### Order Details

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 Customer Ref: 26102LG  
 National Grid Reference: 382120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

### Site Details

Church Reike, Chipping, PRESTON, PR3 2QL





**sutcliffe  
investigations**

**Lancashire And Furness  
Published 1847  
Source map scale - 1:10,560**

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

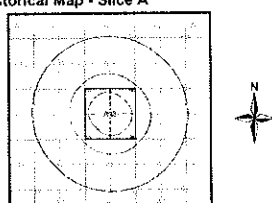
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**Map Name(s) and Date(s)**

1847  
1:10,560

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**Historical Map - Slice A**



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**Order Details**

Order Number:	98346273_1_1
Customer Ref:	20192LG
National Grid Reference:	362120, 443430
Slice:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

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**Site Details**  
Church Raikes, Chipping, PRESTON, PR3 2QL

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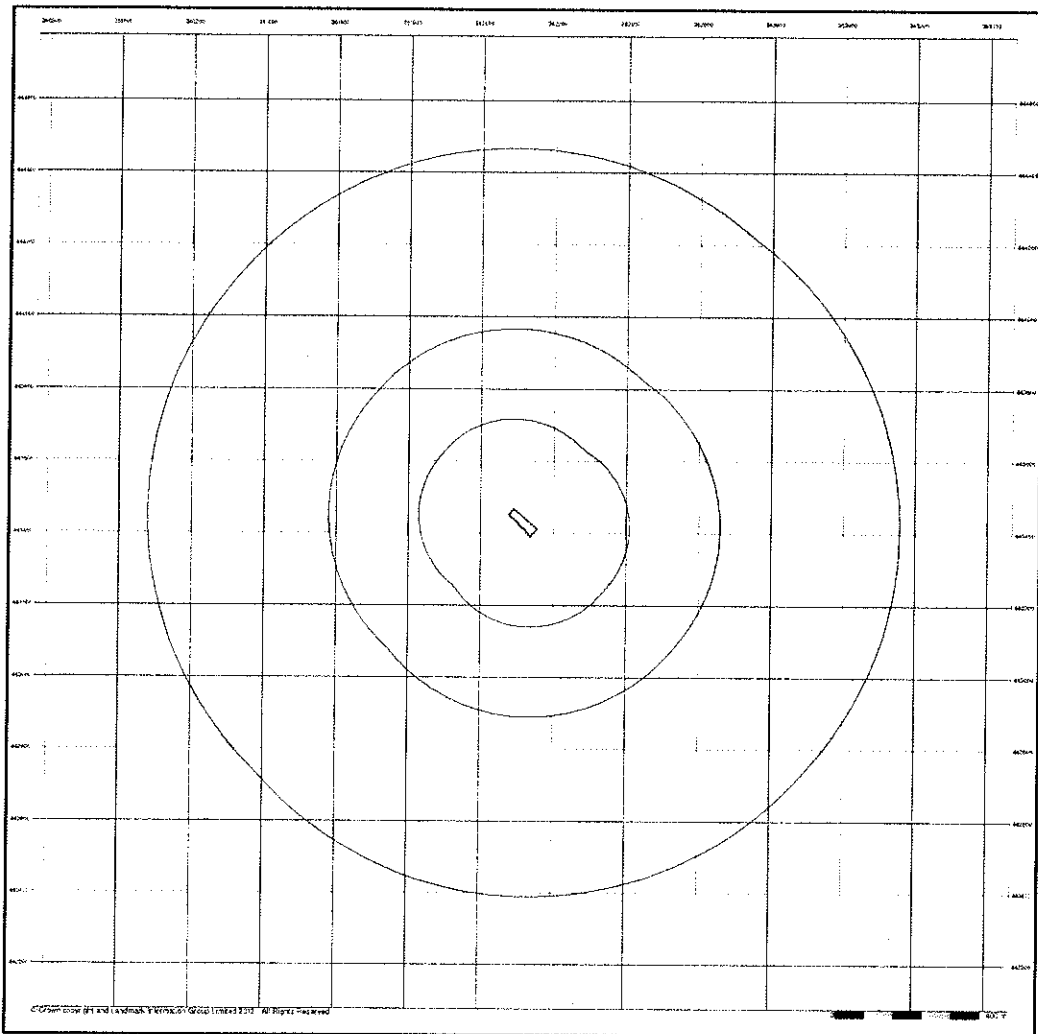


Tel: 0844 844 9952  
Fax: 0844 844 9951  
Web: www.enr-geotech.co.uk

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A Landmark Information Group Service v47.0 08-Apr-2012 Page 2 of 13





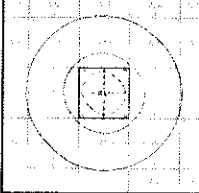
**Yorkshire**  
**Published 1850**  
**Source map scale - 1:10,560**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data given therefore is often some years later than the conveyed date. Before 1920, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1840's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially 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**



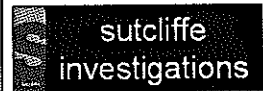
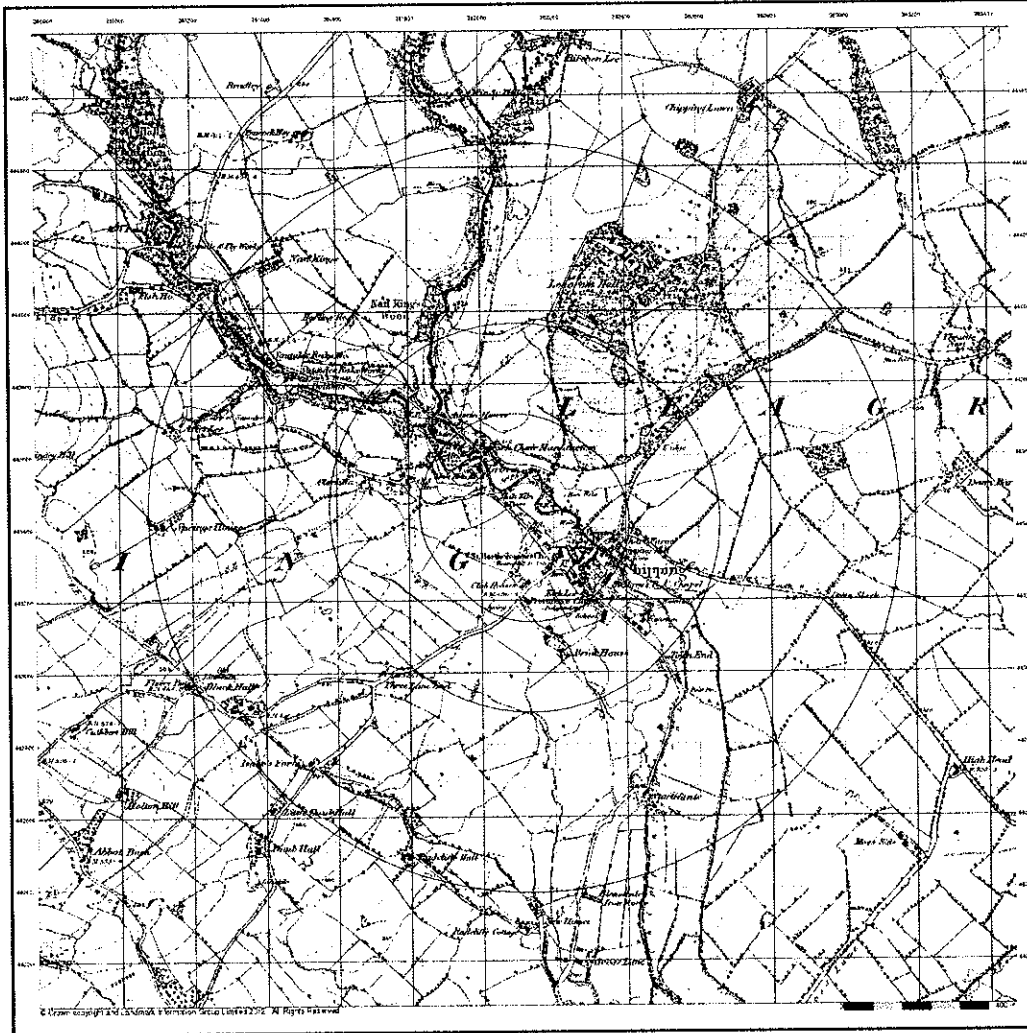
**Order Details**

Order Number: 38348273\_1\_1  
 Customer Ref: 26192L.G  
 National Grid Reference: 362120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details**

Church Rake, Chipping, PRESTON, FR3 2DL

**Landmark**  
 Tel: 0244 844 8887  
 Fax: 0244 844 8951  
 Web: www.earthsciences.co.uk



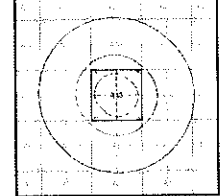
**Lancashire And Furness  
Published 1895  
Source map scale - 1:10,560**

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**Map Name(s) and Date(s)**

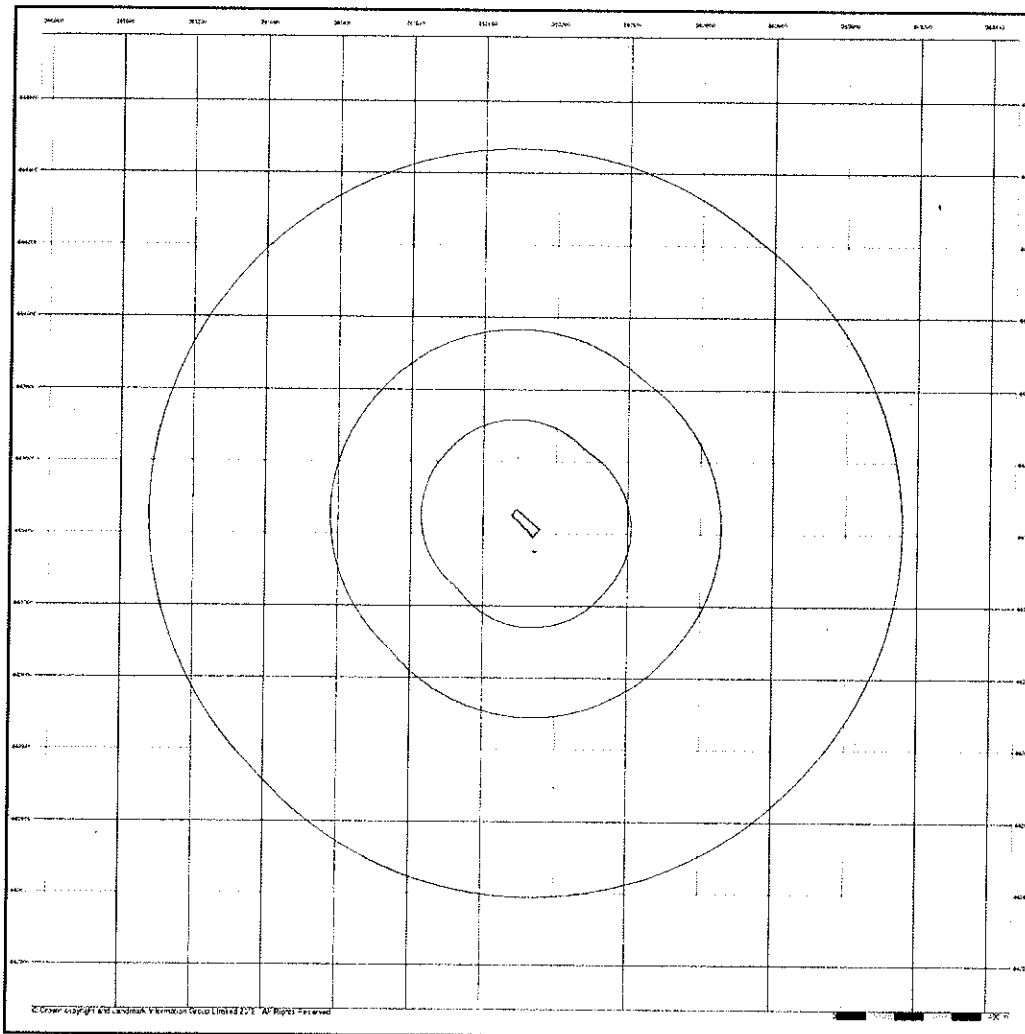


**Historical Map - Slice A**



**Order Details**  
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**Site Details**  
 Church Raikes, Chipping, PRESTON, PR3 2QL



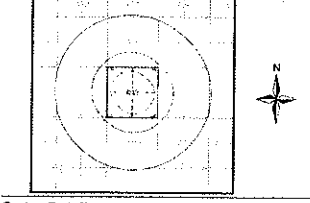
**Yorkshire**  
**Published 1896**  
**Source map scale - 1:10,560**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas, these maps were used to update the 1:10,560 maps. The published data given therefore is often some years later than the surveyed date. Before 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 outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially 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**

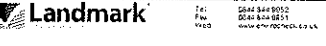


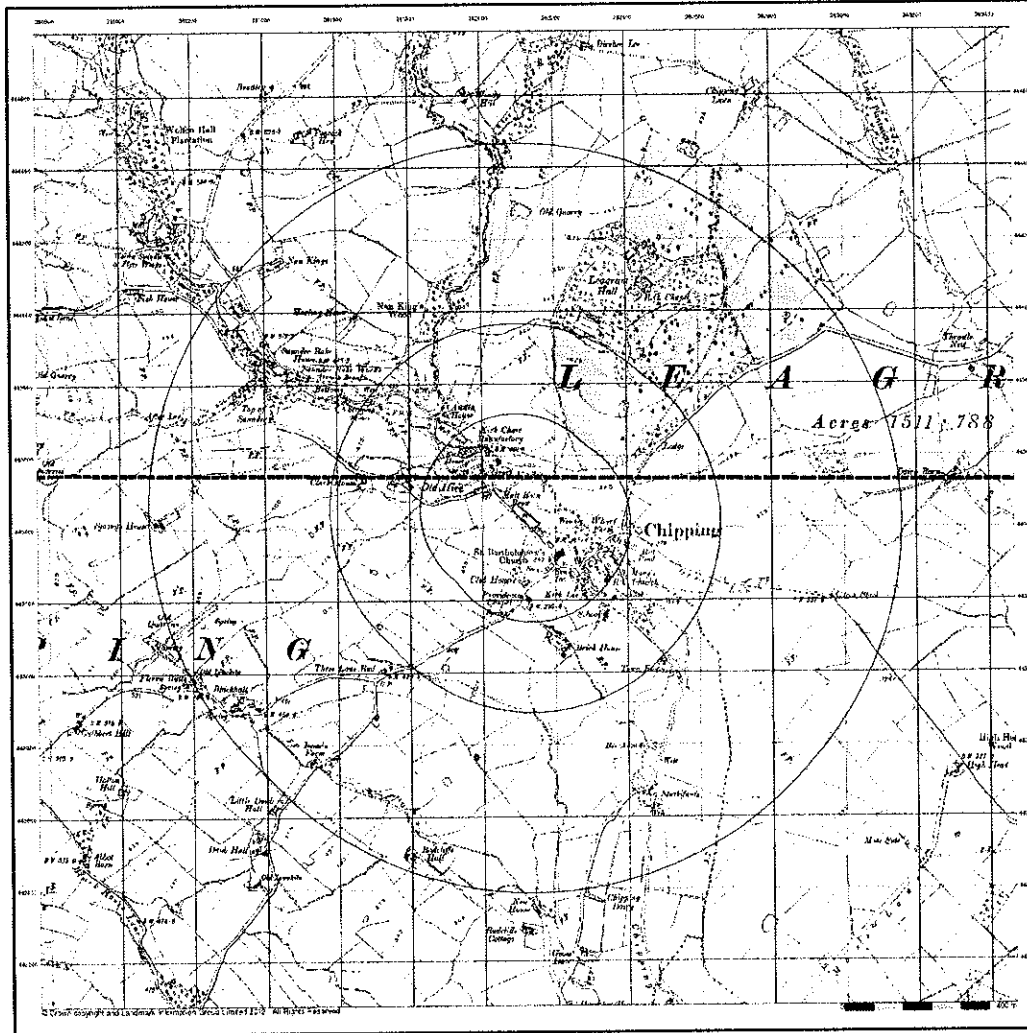
**Order Details**


Order Number: 38346273\_1\_1  
 Customer Ref: 28192L G  
 National Grid Reference: 362120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details**

Church Raibe, Chipping, PRESTON, PR3 2QL







**sutcliffe  
investigations**

**Lancashire And Furness  
Published 1913 - 1914  
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 1859 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data given therefore is often some years later than the surveyed date. Before 1985, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially 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.

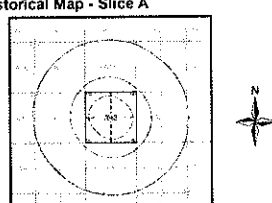
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**Map Name(s) and Date(s)**

046NW	1914
1:10,560	
046SW	1913
1:10,560	

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**Historical Map - Slice A**




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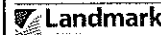
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Customer Ref:	26192L.G
National Grid Reference:	362120, 443430
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Site Area (Ha):	0.21
Search Buffer (m):	1000

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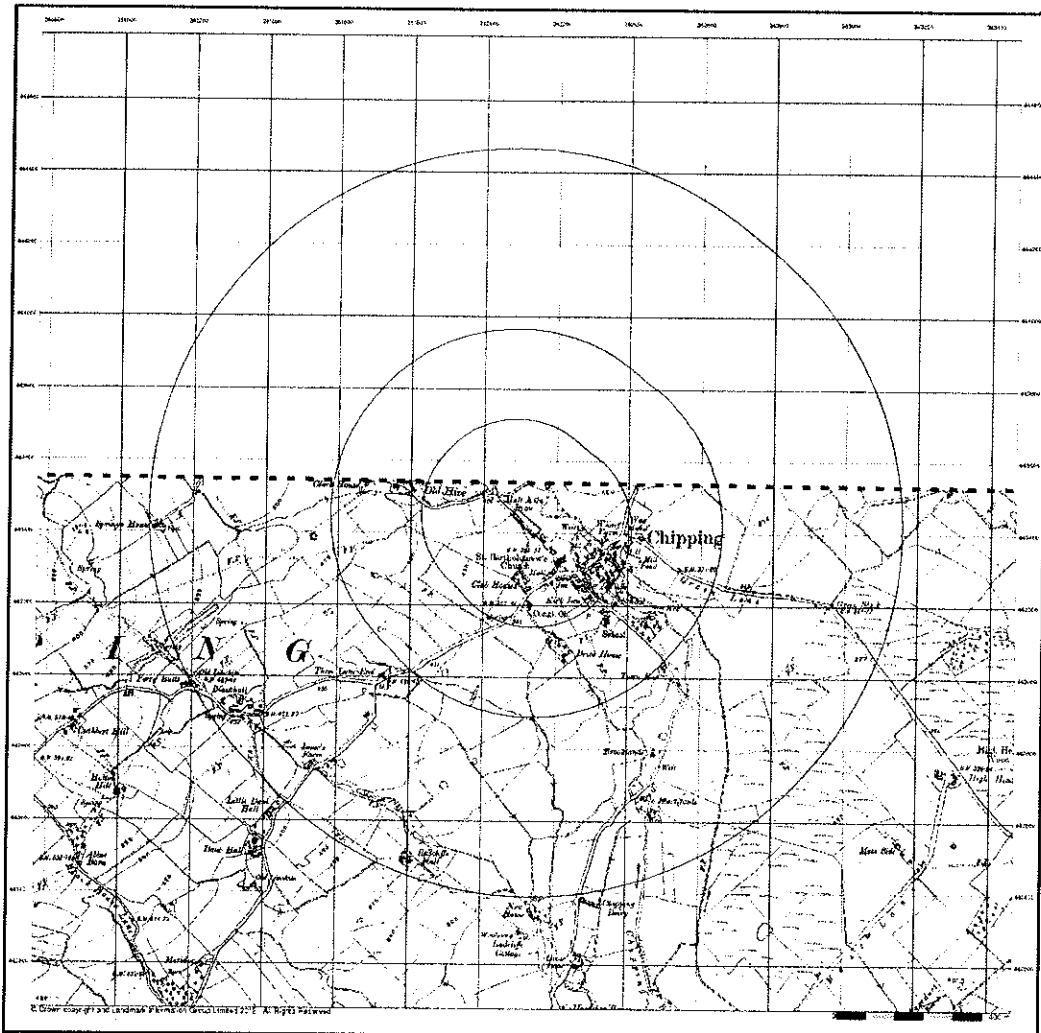
**Site Details**  
Church Raife, Chipping, PRESTON, PR3 2QL

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Fax: 01252 344 0951  
Web: www.enroscheck.co.uk

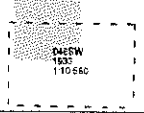
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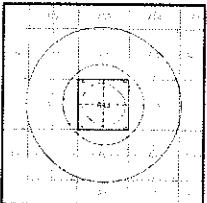
**Lancashire And Furness  
Published 1933  
Source map scale - 1:10,560**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas, these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1838, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1840's, a Provisional Edition was produced which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were totally overprinted with the National Grid in 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

**Map Name(s) and Date(s)**

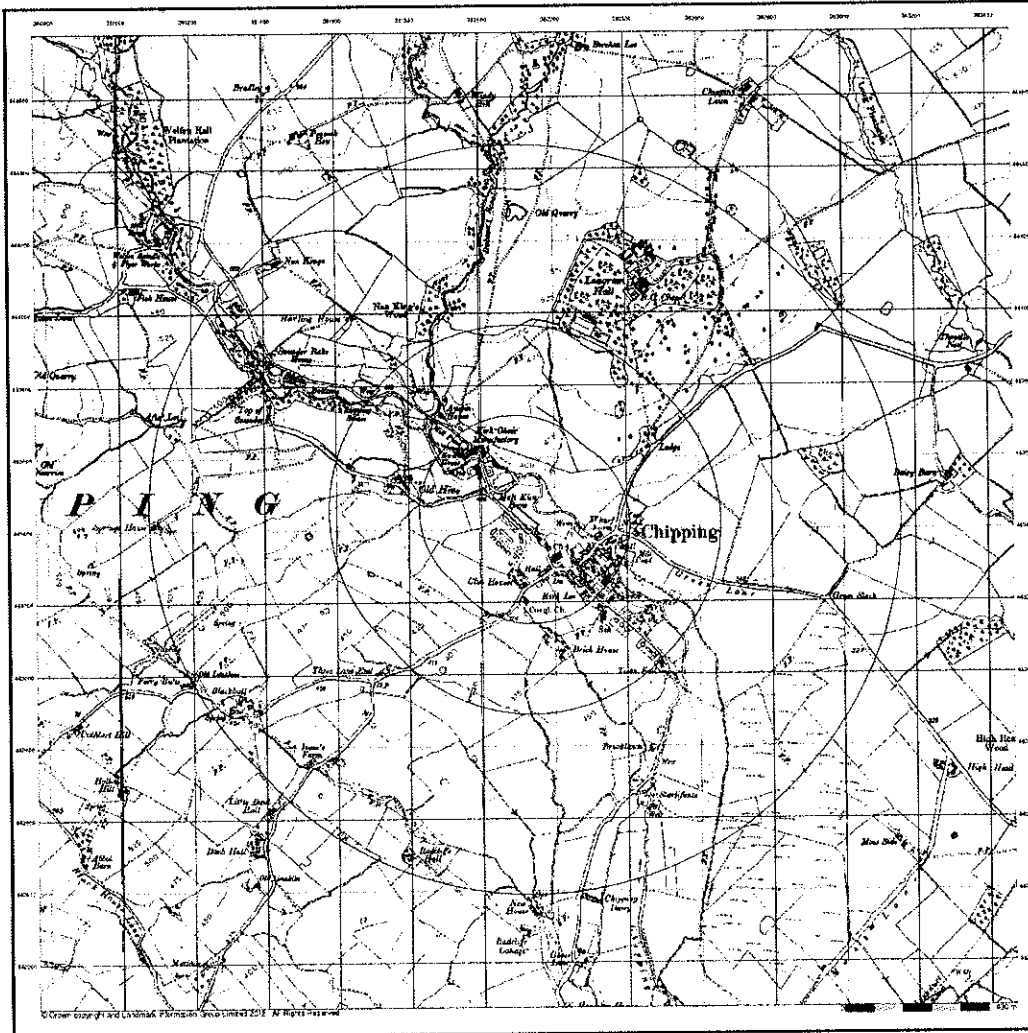


**Historical Map - Slice A**



**Order Details**  
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 Search Buffer (m): 1000  
**Site Details**  
 Church Raife, Chipping, PRESTON, PR3 2QL

**Landmark**  
 Tel: 0844 614 0002  
 Fax: 0844 614 0001  
 Web: www.landmark.co.uk



**Ordnance Survey Plan  
Published 1956**

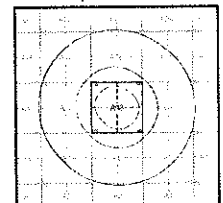
**Source map scale - 1:10,000**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1954 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 1933, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties giving rise to significant inaccuracies in outlying areas. In the late 1940's a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unaltered - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

**Map Name(s) and Date(s)**

SC245W  
1956  
1:10,560

**Historical Map - Slice A**



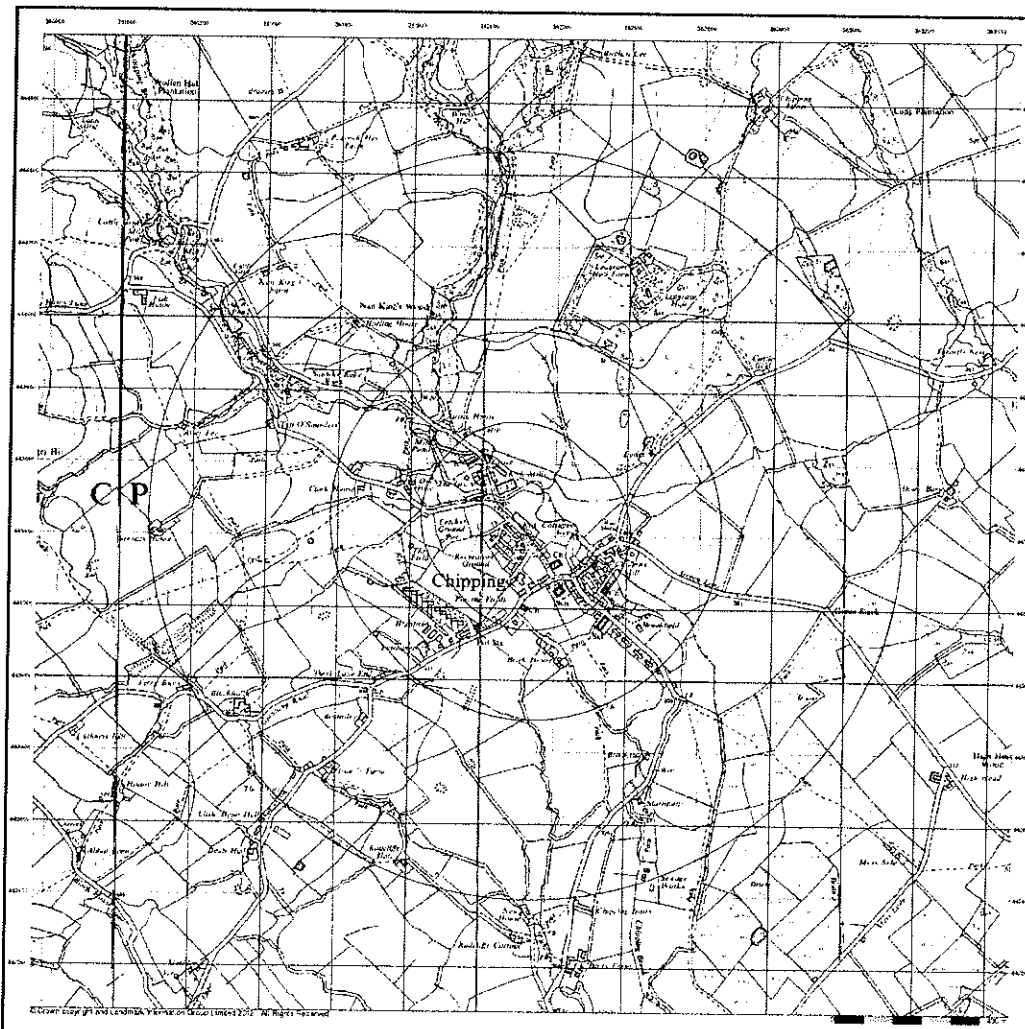
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Customer Ref: 26192LG  
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Slice: A  
Site Area (Ha): 0.21  
Search Buffer (m): 1000

**Site Details**

Church Rake, Chipping, PRESTON, PR3 2QL

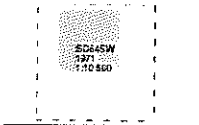
**Landmark**  
Tel: 0845 441 0970  
Fax: 0845 441 0951  
Web: www.landmark.co.uk



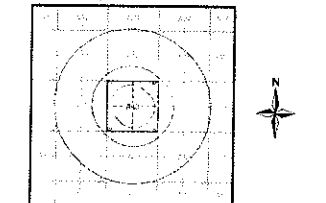
**Ordnance Survey Plan  
Published 1971  
Source map scale - 1:10,000**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,000 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 adjoining areas. In the late 1840's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear unframed - with all military camps 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**

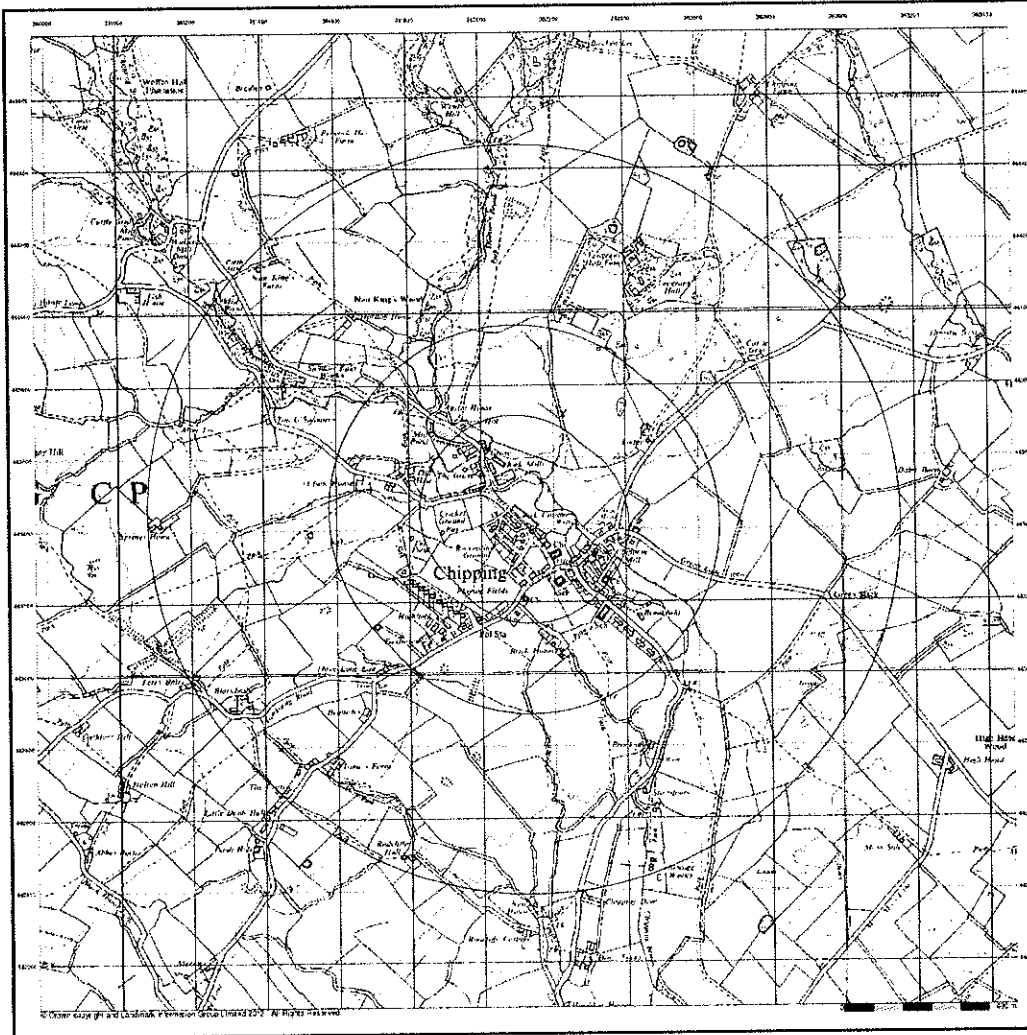


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 Customer Ref: 20192LG  
 National Grid Reference: 362120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details**  
 Church Raikie, Chipping, PRESTON, PR3 2QL

**Landmark**  
 Tel: 01470 614200  
 Fax: 01470 614201  
 Email: info@landmark.co.uk  
 Website: www.landmark.co.uk

A Landmark Information Group Service v47.0 03-Apr-2012 Page 6 of 10



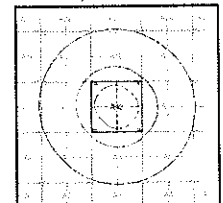
**Ordnance Survey Plan  
Published 1987  
Source map scale - 1:10,000**

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,000 maps. The published date given therefore is often some years later than the surveyed date. Before 1855, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1840's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear unfractured - with all military camps 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**



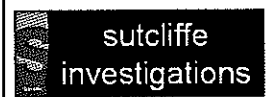
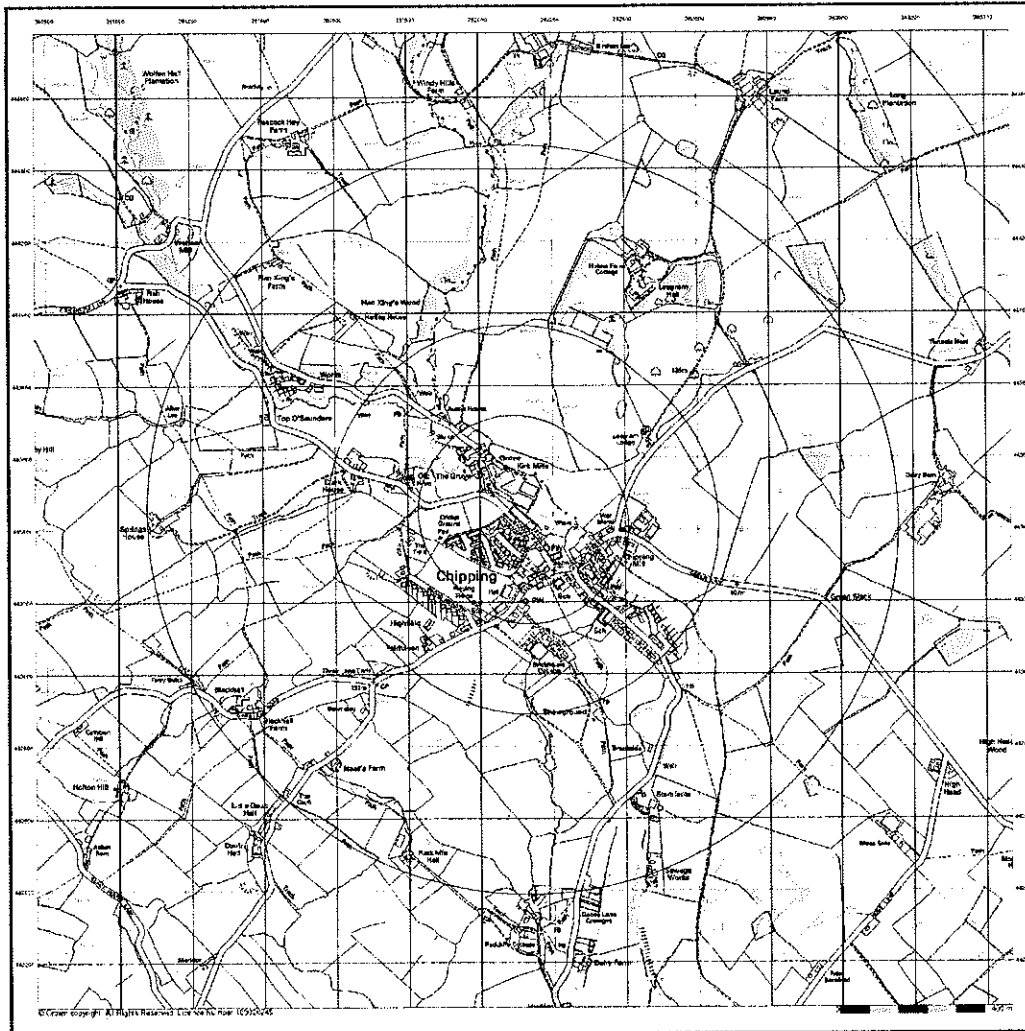
**Order Details**  
 Order Number: 38346273\_1\_1  
 Customer Ref: 28192LG  
 National Grid Reference: 382120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details**  
 Church Rake, Chipping, PRESTON, PR3 2QL

**Landmark**  
 Tel: 01494 671992  
 Fax: 01494 641991  
 Web: www.landmark.co.uk







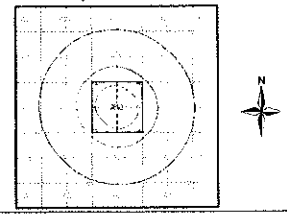
**10k Raster Mapping**  
**Published 2006**  
**Source map scale - 1:10,000**

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

**Map Name(s) and Date(s)**

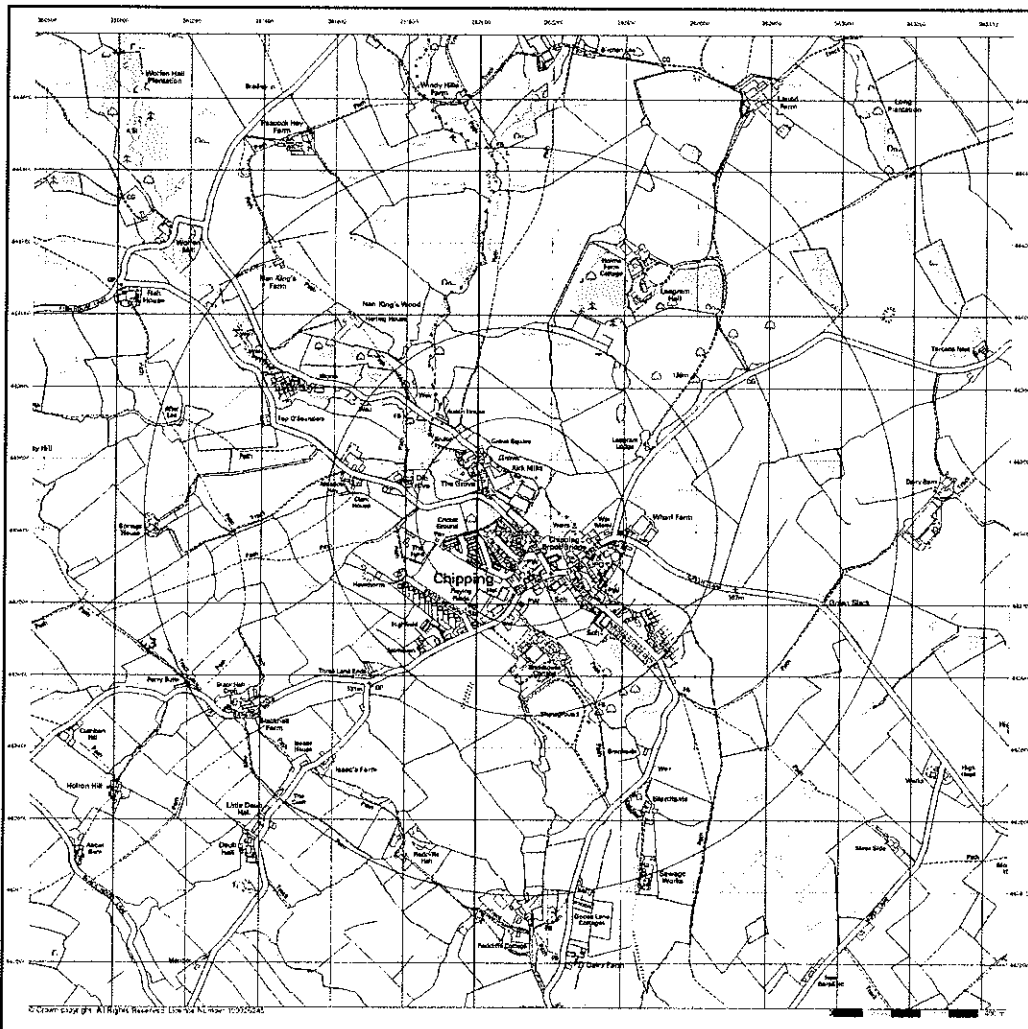


**Historical Map - Slice A**



**Order Details**  
 Order Number: 38346273\_1\_1  
 Customer Ref: 26192LG  
 National Grid Reference: 362120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details**  
 Church Raice, Chipping, PRESTON, PR9 2QL



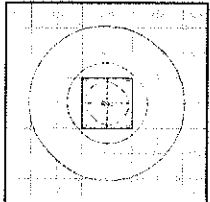
**10k Raster Mapping**  
**Published 2011**  
**Source map scale - 1:10,000**

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

**Map Name(s) and Date(s)**



**Historical Map - Slice A**

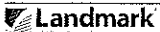


**Order Details**

Order Number: 38346273\_1\_1  
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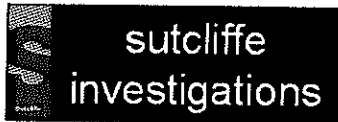
**Site Details**

Church Raikie, Chipping, PRESTON, PR3 2QL



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 Fax: 0844 844 2151  
 Web: www.landmark.co.uk

**APPENDIX D**  
**ENVIROCHECK® REPORT**



## **Envirocheck<sup>®</sup> Report:**

### **Datasheet**

#### **Order Details:**

**Order Number:**

38346273\_1\_1

**Customer Reference:**

26192LG

**National Grid Reference:**

362120, 443430

**Slice:**

A

**Site Area (Ha):**

0.21

**Search Buffer (m):**

1000

#### **Site Details:**

Church Raike

Chipping

PRESTON

PR3 2QL

#### **Client Details:**

MR W Baldwin

Sutcliffe Projects Ltd

18-20 Harrington Street

Liverpool

L2 9QA

#### **Prepared For:**

Liverpool Housing Trust (LHT)

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	8
Hazardous Substances	-
Geological	10
Industrial Land Use	12
Sensitive Land Use	13
Data Currency	14
Data Suppliers	18
Useful Contacts	19

#### Introduction

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

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

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#### Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		3		6
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 3		2		
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters	pg 3		4	3	4
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 5		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5		1		(*4)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 6	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 7		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 7		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
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 8				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 8				2
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
<b>Geological</b>					
BGS Recorded Mineral Sites	pg 10				1
BGS 1:625,000 Solid Geology	pg 10	Yes	n/a	n/a	n/a
Brine Compensation Area			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	pg 10	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 10	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 10		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 10		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 10	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 11	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 11	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 11	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 12		5	2	1
Fuel Station Entries	pg 12			1	1



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty	pg 13	1			
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>Discharge Consents</b></p> <p>Operator: United Utilities Water Plc  Property Type: Sewerage Network - Sewers - Water Company  Location: North St Mary'S Church, Chipping, Lancashire  Authority: Environment Agency, North West Region  Catchment Area: Not Supplied  Reference: 01rib0005  Permit Version: 2  Effective Date: 14th April 2009  Issued Date: 14th April 2009  Revocation Date: Not Supplied  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Chipping Brook  <b>Status: Varied under EPR 2010</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13SE (SE)	231	1	362360 443300
1	<p><b>Discharge Consents</b></p> <p>Operator: United Utilities Water Plc  Property Type: Sewerage Network - Sewers - Water Company  Location: North St Mary'S Church, Chipping, Lancashire  Authority: Environment Agency, North West Region  Catchment Area: Not Given  Reference: 01RIB0005  Permit Version: 1  Effective Date: 1st January 1995  Issued Date: Not Supplied  Revocation Date: 13th April 2009  Discharge Type: Public Sewage: Storm Sewage Overflow  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Chipping Brook  <b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13SE (SE)	231	1	362360 443300
2	<p><b>Discharge Consents</b></p> <p>Operator: The Vicar  Property Type: Domestic Property (Single)  Location: St. Bartholomews Vicarage Garstang Road, Chipping, Preston, Lancashire, Pr3 2qh  Authority: Environment Agency, North West Region  Catchment Area: Loud  Reference: 01361  Permit Version: 1  Effective Date: 30th December 1955  Issued Date: 30th December 1955  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Of Chipping Brook  <b>Status: Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13SW (S)	232	1	362097 443161
3	<p><b>Discharge Consents</b></p> <p>Operator: Wolstenholme &amp; Joy  Property Type: Sewage Disposal Works - Other  Location: Wolstenholme And Joy, Chipping, Lancashire  Authority: Environment Agency, North West Region  Catchment Area: Not Given  Reference: 017090210  Permit Version: 1  Effective Date: 1st November 1994  Issued Date: Not Supplied  Revocation Date: 1st November 1994  Discharge Type: Discharge Of Other Matter-Surface Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Chipping Brook  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	541	1	362600 443100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p><b>Discharge Consents</b></p> <p>Operator: Wolstenholme &amp; Joy  Property Type: Sewage Disposal Works - Other  Location: Wolstenholme And Joy, Chipping, Lancashire  Authority: Environment Agency, North West Region  Catchment Area: Not Given  Reference: 017190210  Permit Version: 1  Effective Date: 24th October 1986  Issued Date: Not Supplied  Revocation Date: 1st July 1991  Discharge Type: Discharge Of Other Matter-Surface Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Chipping Brook  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	541	1	362600 443100
4	<p><b>Discharge Consents</b></p> <p>Operator: William Pye Ltd  Property Type: Sewage Disposal Works - Other  Location: William Pye Ltd Swo, Saunder Rake Mill, Chipping, Lancashire  Authority: Environment Agency, North West Region  Catchment Area: Not Given  Reference: 017290149  Permit Version: 1  Effective Date: 8th September 1987  Issued Date: Not Supplied  Revocation Date: 1st April 1994  Discharge Type: Discharge Of Other Matter-Surface Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Chipping Brook  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12NW (W)	724	1	361400 443700
5	<p><b>Discharge Consents</b></p> <p>Operator: Pringle Construction Ltd  Property Type: Domestic Property (Multiple)  Location: Pringle Res Development Swo Longridge Road, Chipping, Longridge, Preston, Lancashire  Authority: Environment Agency, North West Region  Catchment Area: Not Given  Reference: 017190270  Permit Version: 1  Effective Date: Not Supplied  Issued Date: Not Supplied  Revocation Date: 1st November 1994  Discharge Type: Discharge Of Other Matter-Surface Water  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Chipping Brook  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A18NE (N)	908	1	362400 444320
6	<p><b>Discharge Consents</b></p> <p>Operator: Mrs Liz Hardman  Property Type: Domestic Property (Multiple)  Location: Black Hall Farm Barns, Chipping, Nr Preston, Pr3 2qj  Authority: Environment Agency, North West Region  Catchment Area: Loud  Reference: 017190801  Permit Version: 1  Effective Date: 2nd July 2004  Issued Date: 8th July 2004  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Of Chipping Brook  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A7NW (SW)	922	1	361340 442900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p><b>Discharge Consents</b></p> <p>Operator: M A Stringer, R Lowe &amp; M Lowe  Property Type: Domestic Property (Multiple)  Location: Groomsmans Cottage/Black Hall Garstang Road, Blackhall, Chipping, Lancashire, Pr3 2qj  Authority: Environment Agency, North West Region  Catchment Area: Loud  Reference: 017190940  Permit Version: 1  Effective Date: 6th March 2007  Issued Date: 6th March 2007  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge Environment: Freshwater Stream/River  Receiving Water: Trib Of Chipping Brook  <b>Status:</b> New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)  Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	955	1	361300 442900
7	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: H J Berry &amp; Sons Ltd  Location: Kirk Mills, Chipping, PRESTON, Lancashire, PR3 2RA  Authority: Ribble Valley Borough Council, Environmental Health Department  Permit Reference: Rvbc/Ppc/15/05  Dated: 29th June 1994  Process Type: Local Authority Pollution Prevention and Control  Description: PG6/33 Wood coating  <b>Status:</b> Permitted  Positional Accuracy: Automatically positioned to the address</p>	A13NW (N)	87	2	362069 443550
7	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: H J Bery &amp; Sons Ltd  Location: Kirk Mills, Chipping, PRESTON, Lancashire, PR3 2RA  Authority: Ribble Valley Borough Council, Environmental Health Department  Permit Reference: Rvbc/Ppc/14/04  Dated: 22nd June 1994  Process Type: Local Authority Pollution Prevention and Control  Description: PG6/2 Manufacture of timber and wood-based products  <b>Status:</b> Permitted  Positional Accuracy: Automatically positioned to the address</p>	A13NW (N)	87	2	362069 443550
	<p><b>Nearest Surface Water Feature</b></p>	A13NE (NE)	23	-	362145 443454
8	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Private Sewage (Non-PLC): Water Distribution System  Location: Discharge At Chipping By Nww  Authority: Environment Agency, North West Region  Pollutant: Raw Water  Note: Not Supplied  Incident Date: 23rd April 1998  Incident Reference: CE980355  Catchment Area: Ribble - Non-Tidal  Receiving Water: Freshwater Stream/River  Cause of Incident: Inadequate Design/Capacity  Incident Severity: Category 3 - Minor Incident  Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	95	1	362205 443495
8	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given  Location: Lancashire  Authority: Environment Agency, North West Region  Pollutant: Not Given  Note: Chipping Brook  Incident Date: 4th May 1991  Incident Reference: 91340039  Catchment Area: Hodder  Receiving Water: Not Given  Cause of Incident: Not Given  Incident Severity: Category 3 - Minor Incident  Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	96	1	362200 443500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Domestic & Residential: Private Dwellings Location: Main Street by The Talbot Hotel, Lancashire Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Fuel Oils (domestic) Note: Not Supplied Incident Date: 8th July 1999 Incident Reference: 29864 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Structural Failure : Steel Tank / Vessel / Drum - Above Ground Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	181	1	362300 443300
10	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Unknown Note: Chipping Brook; No Pollution Found Incident Date: 29th April 1996 Incident Reference: 96340033 Catchment Area: Hodder Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	186	1	361900 443500
11	<b>Pollution Incidents to Controlled Waters</b> Property Type: Manufacturing: Wood Products / Timber Treatment Location: Chainworks, Chipping Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Hydraulic Oils / Fluids Note: Not Supplied Incident Date: 14th January 1999 Incident Reference: 1609 Catchment Area: Hodder Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A13NW (NW)	252	1	362000 443700
12	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Oil Note: Chipping Brook; Oil/Wood Chips Incident Date: 19th January 1991 Incident Reference: 91340008 Catchment Area: Hodder Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	403	1	362500 443200
13	<b>Pollution Incidents to Controlled Waters</b> Property Type: Domestic/Residential Location: Tributary Of River Loud At , CHIPPING Authority: Environment Agency, North West Region Pollutant: Oils - Kerosene Fuel Oil Note: Oil; Tributary River Loud; Oil Incident Date: 2nd December 1997 Incident Reference: 97340111 Catchment Area: Hodder Receiving Water: Freshwater Stream/River Cause of Incident: Vandalism Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	422	1	362300 443000
14	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Sewer To Chipping Brook Authority: Environment Agency, North West Region Pollutant: Surcharged Sewage Note: Not Supplied Incident Date: 8th January 1997 Incident Reference: CE980009 Catchment Area: Hodder Receiving Water: Freshwater Stream/River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	516	1	361700 443800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: No Premises Identified            Location: Ryan, Isaccs Farm House, Chi            Authority: Environment Agency, North West Region            Pollutant: Organic Chemicals : Fuel Oils (domestic)            Note: Not Supplied            Incident Date: 28th January 1999            Incident Reference: 1766            Catchment Area: Hodder            Receiving Water: Not Given            Cause of Incident: Other Cause            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A7NE (SW)	868	1	361500 442800
16	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Water Company Sewage: Sewage Treatment Works            Location: Chipping Waste Water Treatment Works , CHIPPING            Authority: Environment Agency, North West Region            Pollutant: Other Sewage            Note: Tributary Of River Lord; Sewage            Incident Date: 4th February 1997            Incident Reference: 97340009            Catchment Area: Hodder            Receiving Water: Freshwater Stream/River            Cause of Incident: Poor/Inadequate Maintenance            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A9SW (SE)	869	1	362500 442600
17	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Domestic &amp; Residential: Private Dwellings            Location: Issacs Farm House            Authority: Environment Agency, North West Region            Pollutant: Organic Chemicals : Fuel Oils (domestic)            Note: Not Supplied            Incident Date: 6th March 1999            Incident Reference: 1835            Catchment Area: Chipping Brook            Receiving Water: River Stretch (Freshwater)            Cause of Incident: Not Given            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A7NW (SW)	941	1	361400 442800
	<p><b>River Quality</b></p> <p>Name: Chipping Bk            GQA Grade: River Quality A            Reach: Qsi Dobsons Bk To Loud            Estimated Distance (km): 2.8            Flow Rate: Flow less than 0.62 cumecs            Flow Type: River            Year: 2000</p>	A13NE (NE)	59	1	362179 443489
18	<p><b>Water Abstractions</b></p> <p>Operator: H J Berry &amp; Sons Ltd            Licence Number: 2671317010            Permit Version: Not Supplied            Location: Chipping, PRESTON, Lancashire            Authority: Environment Agency, North West Region            Abstraction: Private Water Supply (Pisciculture)            Abstraction Type: Not Supplied            Source: Unknown            Daily Rate (m3): 0            Yearly Rate (m3): 0            Details: Chipping Brook            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</p>	A13SW (SW)	22	1	362100 443400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>Water Abstractions</b></p> <p>Operator: Mr R Wallbank &amp; Mrs E E Wallbank  Licence Number: 2671317007  Permit Version: 100  Location: Spring At Blackhall, Chipping.  Authority: Environment Agency, North West Region  Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss)  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): 5  Yearly Rate (m3): 1136  Details: Land At Ferrybutts, Chipping.  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 10th October 1966  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A6NE (SW)	1078	1	361100 443000
	<p><b>Water Abstractions</b></p> <p>Operator: Mr&amp;Mrs Cr&amp;Sj Sutton  Licence Number: 2671317012  Permit Version: 101  Location: Tributary Of Chipping Brook,Chipping  Authority: Environment Agency, North West Region  Abstraction: Amenity: Lake And Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): 240  Yearly Rate (m3): 87600  Details: Land At Wolfen Mill,Chipping  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 15th January 1999  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A21SE (NW)	1501	1	361000 444495
	<p><b>Water Abstractions</b></p> <p>Operator: Mr M Lawson  Licence Number: 2671317012  Permit Version: 102  Location: Tributary Of Chipping Brook,Chipping  Authority: Environment Agency, North West Region  Abstraction: Amenity: Lake And Pond Throughflow  Abstraction Type: Water may be abstracted from a single point  Source: Surface  Daily Rate (m3): Not Supplied  Yearly Rate (m3): Not Supplied  Details: Land At Wolfen Mill,Chipping  Authorised Start: 01 January  Authorised End: 31 December  Permit Start Date: 18th February 2002  Permit End Date: Not Supplied  Positional Accuracy: Located by supplier to within 100m</p>	A21SE (NW)	1504	1	361000 444500
	<p><b>Water Abstractions</b></p> <p>Operator: Mr Eric Palethorpe  Licence Number: 2671317013  Permit Version: Not Supplied  Location: Wolfen Mill, CHIPPING, Lancashire, PR3 2GR  Authority: Environment Agency, North West Region  Abstraction: Not Supplied  Abstraction Type: Not Supplied  Source: Surface  Daily Rate (m3): 0  Yearly Rate (m3): 0  Details: Tributary Of Chipping Brook; Type: Impounding; Status: Current  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</p>	A21SE (NW)	1504	1	361000 444500
	<p><b>Groundwater Vulnerability</b></p> <p>Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment  Map Sheet: Sheet 10 Central Lancashire  Scale: 1:100,000</p>	A13NW (SE)	0	1	362118 443428
	<p><b>Drift Deposits</b></p> <p>None</p>				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13NW (SE)	0	3	362118 443428
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A13NW (SE)	0	3	362118 443428
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	15	1	362146 443441
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	15	1	362146 443446
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<b>Historical Landfill Sites</b> Licence Holder: W Ellison Location: Off Garstang Road, Chipping, Lancashire Name: Black Hall Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD06884 First Input Date: 31st December 1982 Last Input Date: 28th April 1994 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 2300/0165 BGS Ref: Not Supplied Other Ref: L1/03/213, WD100/213, K1/03/011, Licences 163 and 337, L1/03/410	A12SW (W)	854	1	361269 443180
20	<b>Historical Landfill Sites</b> Licence Holder: W Ellison Location: Off Garstang Road, Chipping, Lancashire Name: Black Hall Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD07520 First Input Date: 31st December 1982 Last Input Date: 28th April 1994 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 2300/0165 BGS Ref: Not Supplied Other Ref: K1/03/011, L1/03/410, 337	A12SW (W)	854	1	361269 443180
	<b>Local Authority Landfill Coverage</b> Name: Ribble Valley Borough Council - Had landfill data but passed it to the relevant environment agency		0	2	362118 443428
	<b>Local Authority Landfill Coverage</b> Name: Lancashire County Council - Had landfill data but passed it to the relevant environment agency		0	5	362118 443428
21	<b>Registered Landfill Sites</b> Licence Holder: W Ellison Licence Reference: L 163 Site Location: Black Hall Farm, Garstang Road, Chipping, Preston, Lancashire Licence Easting: 361200 Licence Northing: 443100 Operator Location: Coite Coates Farm, Collinshill Lane, CHIPPING, Lancashire, PR3 2WQ Authority: Environment Agency - North West Region, Central Area Site Category: Landfill Max Input Rate: Undefined Waste Source: Some restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 7th July 1982 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Constr*N/Demol. Inert/Non-Haz/Non-Tox Environment Agency Waste N.O.S must give specific authorisation for this waste to be accepted/Waste requires prior approval	A12SW (W)	947	1	361200 443100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: W Ellison            Licence Reference: L 337            Site Location: Blackhall Farm, Garstang Road, Chipping, Preston, Lancashire            Licence Easting: 361150            Licence Northing: 443100            Operator Location: Coltes Coates Farm, Collins Hill Lane, CHIPPING, Lancashire, PR3 2WQ            Authority: Environment Agency - North West Region, Central Area            Site Category: Landfill            Max input Rate: Very Small (Less than 10,000 tonnes per year)            Waste Source: No known restriction on source of waste            Restrictions:            Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st January 1991            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Accuracy: Not Applicable            Authorised Waste: Concrete, Brick                                      Glass, Slate, Ceramic                                      Max.Waste Permitted By Licence                                      Soil, Clay, Nat'L, Rock            Prohibited Waste: Clinical Wastes</p>	A12SW (W)	994	1	361150 443100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	<b>BGS Recorded Mineral Sites</b> Site Name: Leagram Hall Location: Chipping, Longridge, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 92493 Type: Opencast Status: <b>Ceased</b> Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Park Style Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	813	3	362108 444279
	<b>BGS 1:625,000 Solid Geology</b> Description: Tournaisian and Visean (Carboniferous Limestone Series)	A13NW (SE)	0	3	362118 443428
	<b>Coal Mining Affected Areas</b> In an area which may not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	3	362118 443428
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	3	362118 443428
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	11	3	362144 443437
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	3	362118 443428
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	11	3	362144 443437
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	85	3	362221 443477
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	2	3	362153 443403
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	17	3	362172 443423
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	85	3	362222 443474
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	3	362118 443428
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	11	3	362144 443437
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	67	3	362116 443533
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	69	3	362206 443463
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	74	3	362231 443397
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	191	3	361927 443564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	3	362118 443428
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	11	3	362144 443437
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	3	362118 443428
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	85	3	362222 443474
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	182	3	362101 443649
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a radon affected area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	3	362118 443428
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	3	362118 443428

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<b>Contemporary Trade Directory Entries</b> Name: H J Berry & Son Ltd Location: Kirk Mills, Chipping, Preston, PR3 2RA Classification: Furniture Manufacturers - Home & Office Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (N)	87	-	362069 443550
23	<b>Contemporary Trade Directory Entries</b> Name: H J Berry & Sons Ltd Location: Kirk Mills, Chipping, PRESTON, PR3 2RA Classification: Furniture Manufacturers - Home & Office Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (N)	87	-	362069 443550
23	<b>Contemporary Trade Directory Entries</b> Name: H J Berry & Sons Ltd Location: Kirk Mills, Chipping, Preston, Lancashire, PR3 2RA Classification: Furniture Manufacturers - Home & Office Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (N)	87	-	362069 443550
23	<b>Contemporary Trade Directory Entries</b> Name: H J Berry & Sons Ltd Location: Kirk Mills, Chipping, Preston, PR3 2RA Classification: Furniture Manufacturers - Home & Office Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (N)	87	-	362069 443550
24	<b>Contemporary Trade Directory Entries</b> Name: Chipping Garage Location: Talbot Street, Chipping, Preston, PR3 2QE Classification: Garage Services Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SE (E)	230	-	362384 443367
25	<b>Contemporary Trade Directory Entries</b> Name: First Call Fire Protection Services Location: The Field, Old Hive, Chipping, Preston, PR3 2QQ Classification: Firefighting Equipment Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13SW (W)	282	-	361808 443375
26	<b>Contemporary Trade Directory Entries</b> Name: Preston'S Of Chipping Ltd Location: 34, Longridge Road, Chipping, Preston, PR3 2QD Classification: Road Haulage Services Status: <b>Active</b> Positional Accuracy: Automatically positioned to the address	A9NW (SE)	477	-	362472 443049
27	<b>Contemporary Trade Directory Entries</b> Name: Procters Cheeses Ltd Location: The Cheese Warehouse, Saunders Raike, Chipping, Preston, Lancashire, PR3 2QR Classification: Cheese Makers & Suppliers Status: <b>Active</b> Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	815	-	361393 443890
28	<b>Fuel Station Entries</b> Name: Chipping Garage Location: Talbot Street, Chipping, PRESTON, Lancashire, PR3 2QE Brand: OBSOLETE Premises Type: Not Applicable Status: <b>Obsolete</b> Positional Accuracy: Approximate location provided by supplier	A14SW (E)	363	-	362512 443333
29	<b>Fuel Station Entries</b> Name: Dean Garage Location: Longbridge Road, Broughton, PRESTON, Lancashire, PR2 Brand: Obsolete Premises Type: Not Applicable Status: <b>Obsolete</b> Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	564	-	362528 442982

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	<b>Areas of Outstanding Natural Beauty</b> Name: Forest Of Bowland Multiple Areas: Y Total Area (m2): 805733322.62 Designation Date: 29th February 1964 Source: Natural England	A13NW (SE)	0	4	362118 443428

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Preston City Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department Wyre Borough Council - Environmental Health Department	April 2012 March 2012 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - North West Region	January 2012	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - North West Region	January 2012	Quarterly
<b>Integrated Pollution Controls</b> Environment Agency - North West Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - North West Region	January 2012	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Wyre Borough Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department Preston City Council - Environmental Health Department	November 2010 November 2011 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> Wyre Borough Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department Preston City Council - Environmental Health Department	November 2010 November 2011 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Wyre Borough Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department Preston City Council - Environmental Health Department	November 2010 November 2011 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	September 2011	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - North West Region	January 2000	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - North West Region	January 2012	Monthly
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - North West Region	January 2012	Monthly
<b>Registered Radioactive Substances</b> Environment Agency - North West Region	January 2012	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	January 2011	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	January 2011	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	January 2012 January 2012	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - North West Region	January 2012	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North West Region	January 2012	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 2011	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable


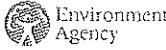










Agency & Hydrological	Version	Update Cycle
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	September 2011	Annually
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	September 2011	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	December 2011	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2012	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	February 2012	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	February 2012	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	February 2012	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2012	Quarterly
Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	January 2012 January 2012	Quarterly Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - North West Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	January 2012 January 2012	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	October 2011 October 2011	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Lancashire County Council - Waste Management Group Preston City Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department Wyre Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Lancashire County Council - Waste Management Group Preston City Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department Wyre Borough Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	March 2003 March 2003	Not Applicable Not Applicable



<b>Hazardous Substances</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	December 2011	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	December 2011	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Ribble Valley Borough Council Preston City Council Lancashire County Council Wyre Borough Council - Planning Department	June 2011 November 2011 October 2011 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Ribble Valley Borough Council Preston City Council Lancashire County Council Wyre Borough Council - Planning Department	June 2011 November 2011 October 2011 September 2011	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	October 2011	Bi-Annually
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	November 2002	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	August 2011	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	February 2011	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified

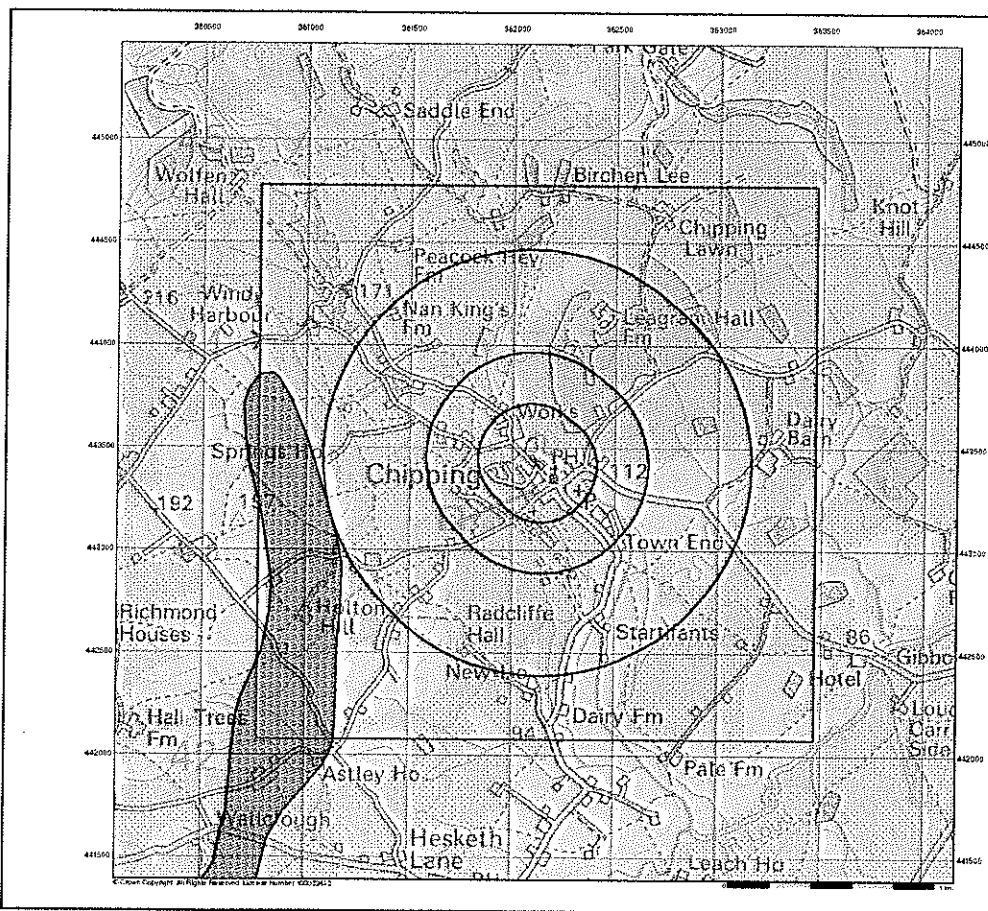
<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	February 2012	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	November 2011	Quarterly
<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Areas of Adopted Green Belt</b> Preston City Council Ribble Valley Borough Council Wyre Borough Council - Planning Department	May 2011 May 2011 May 2011	As notified As notified As notified
<b>Areas of Unadopted Green Belt</b> Preston City Council Ribble Valley Borough Council Wyre Borough Council - Planning Department	May 2011 May 2011 May 2011	As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	February 2012	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	February 2012	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	February 2012	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	September 2011	Bi-Annually
<b>National Nature Reserves</b> Natural England	February 2012	Bi-Annually
<b>National Parks</b> Natural England	February 2012	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Annually
<b>Ramsar Sites</b> Natural England	February 2012	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	February 2012	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	February 2012	Bi-Annually
<b>Special Protection Areas</b> Natural England	February 2012	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	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Countryside Council for Wales	 <p>CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES</p>
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	<b>Ribble Valley Borough Council - Environmental Health Department</b> Council Offices, Church Walk, Clitheroe, Lancashire, BB7 2RA	Telephone: 01200 425111 Fax: 01200 26339 Website: www.ribblevalley.gov.uk
3	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	<b>Natural England</b> Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
5	<b>Lancashire County Council - Waste Management Group</b> Environment Directorate, Guild House, Cross Street, Preston, Lancashire, PR1 8RD	Website: www.lancashire.gov.uk
-	<b>Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	<b>Landmark Information Group Limited</b> The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



## Groundwater Vulnerability

**General**

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

**Agency and Hydrological**

Geological Class	Soil Classes
Major Aquifer (Highly Permeable)	High (0, 1, 2, 3, U)
	Intermediate (0, 1, 2)
	Low
Minor Aquifer (Variably Permeable)	High (0, 1, 2, 3, U)
	Intermediate (0, 1, 2)
	Low
Non Aquifer (Negligibly Permeable)	
Water at Sea	
Drift Deposit	

**Site Sensitivity Context Map - Slice A**

**Order Details**

Order Number: 33345273\_1\_1  
 Customer Ref: 26182.G  
 National Grid Reference: 352120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details**

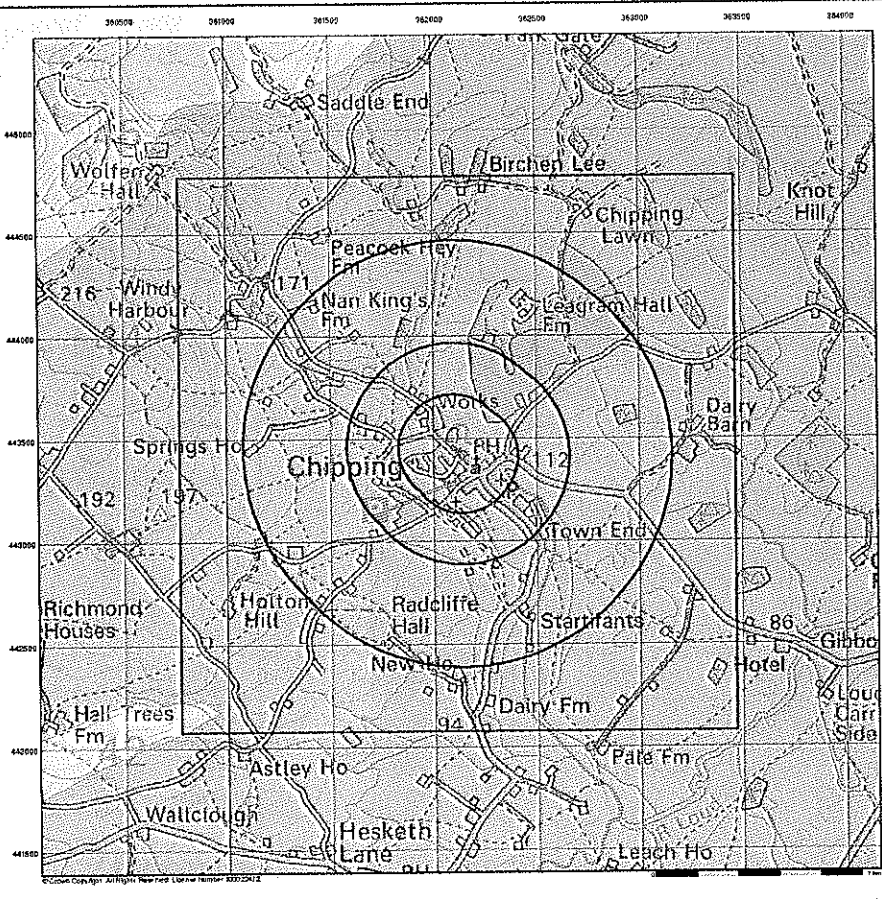
Church Raie, Chipping, PRESTON, PR3 2QL

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**Landmark**

Tel: 01494 681202 Fax: 01494 681203  
 Email: sales@landmark.co.uk Web: www.landmark.co.uk

A Landmark Information Group Service v15.0 03-Apr-2012 Page 1 of 5



**sutcliffe investigations**

### Bedrock Aquifer Designation

**General**

- Specified Site
- Site
- Specified Buffers
- Misc ID
- ✕ Bearing Reference Point

**Agency and Hydrological**

**Geological Classes**

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

**Site Sensitivity Context Map - Slice A**

**Order Details**

Order Number: 38546273\_1\_1  
 Customer Ref: 20162L.G  
 National Grid Reference: 362120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

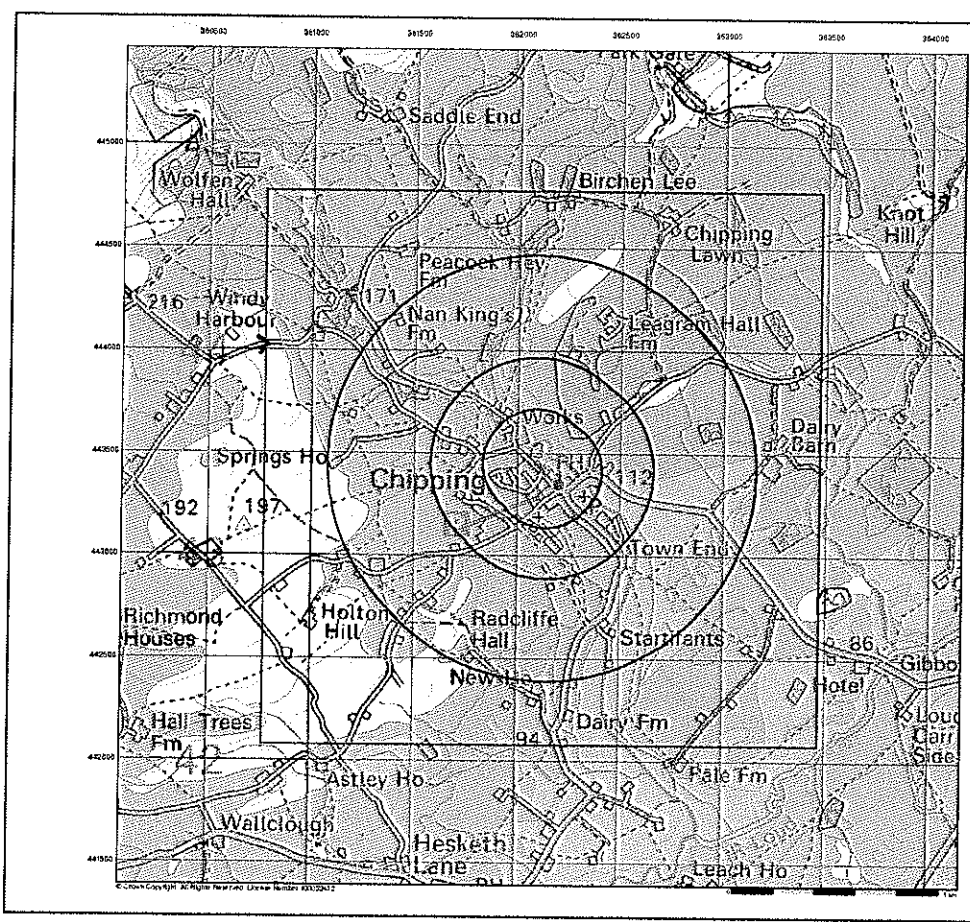
**Site Details**

Church Falke, Chipping, PRESTON, PR3 2QL

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Tel: 01494 541 590  
Fax: 01494 541 591  
Web: www.sutcliffe.co.uk

A Landmark Information Group Service v15.0 03-Apr-2012 Page 2 of 5



**sutcliffe investigations**

**Superficial Aquifer Designation**

**General**  
 Identified Site    Specified Buffets    X Bearing Reference Point  
 Slice    Map ID

**Agency and Hydrological**

**Geological Classes**

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

**Site Sensitivity Context Map - Slice A**

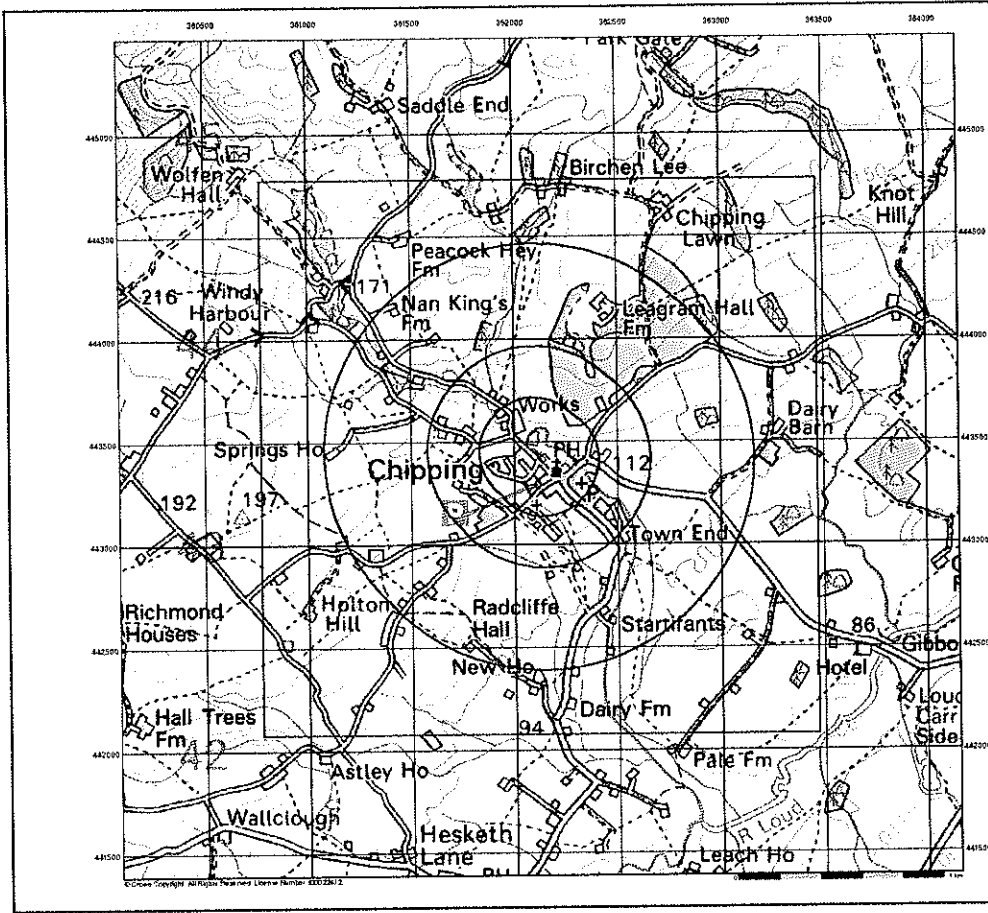
**Order Details**

Order Number:	38346273_1_1
Customer Ref:	26192.G
National Grid Reference:	262120, 443430
Site:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

**Site Details**  
 Church Raik, Chipping, PRESTON, PR3 2QL

**Landmark**    Tel: 0544 844 9502    Fax: 0544 844 0991    Web: www.landmark.co.uk

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**sutcliffe investigations**

**Source Protection Zones**

**General**

- Specified Site
- Specified Buffer(s)
- Beaking Reference Point
- Slice
- Mac ID

**Agency and Hydrological**

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

---

**Site Sensitivity Context Map - Slice A**

---

**Order Details**

Order Number:	38340273_1_1
Customer Ref:	28192L.G
National Grid Reference:	302120, 443430
Site:	A
Site Area (Ha):	0.21
Search Buffer (m):	1000

**Site Details**

Church Relke, Chipping, PRESTON, PR3 2CL

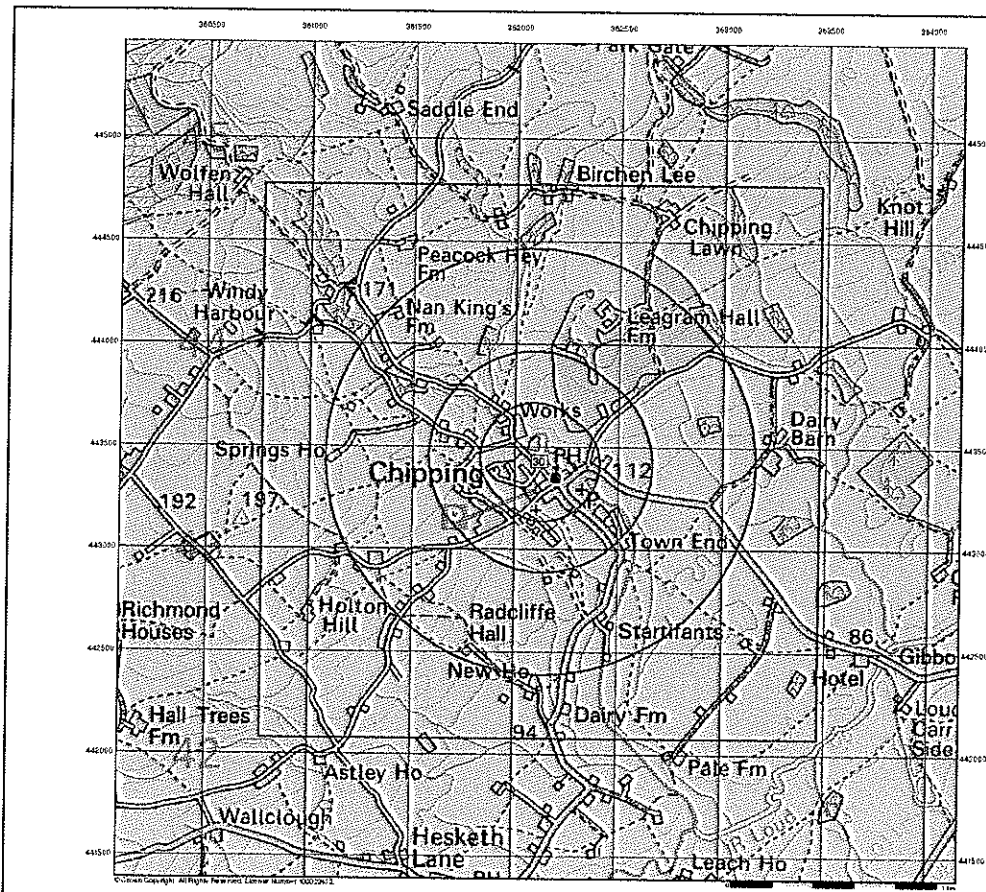
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**Landmark**

Tel: 0844 844 9552  
 Fax: 0800 941 055  
 www.landmark.co.uk

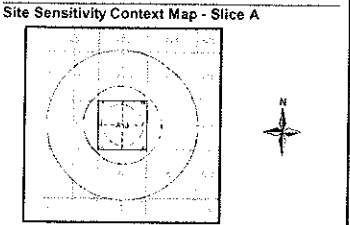
A Landmark Information Group Service v15.0 03-Apr-2012 Page 4 of 5





**subcliffe investigations**

- Sensitive Land Uses**
- General**
- Identified Site
  - Site
  - Specified Buffers
  - Map ID
  - Geotag Reference Point
- Sensitive Land Uses**
- Area of Adopted Green Belt
  - Area of Outstanding Natural Beauty
  - Environmentally Sensitive Area
  - Forest Park
  - Local Nature Reserve
  - Maine Nature Reserve
  - National Nature Reserve
  - National Park
  - Nature Sensitive Area
  - Riparian Vulnerable Zone
  - Remote Site
  - Site of Special Scientific Interest
  - Special Area of Conservation
  - Special Protection Area



**Order Details**

Order Number: 38346273\_1\_1  
 Customer Ref: 28192.G  
 National Grid Reference: 382120, 443430  
 Slice: A  
 Site Area (ha): 0.21  
 Search Buffer (m): 1000

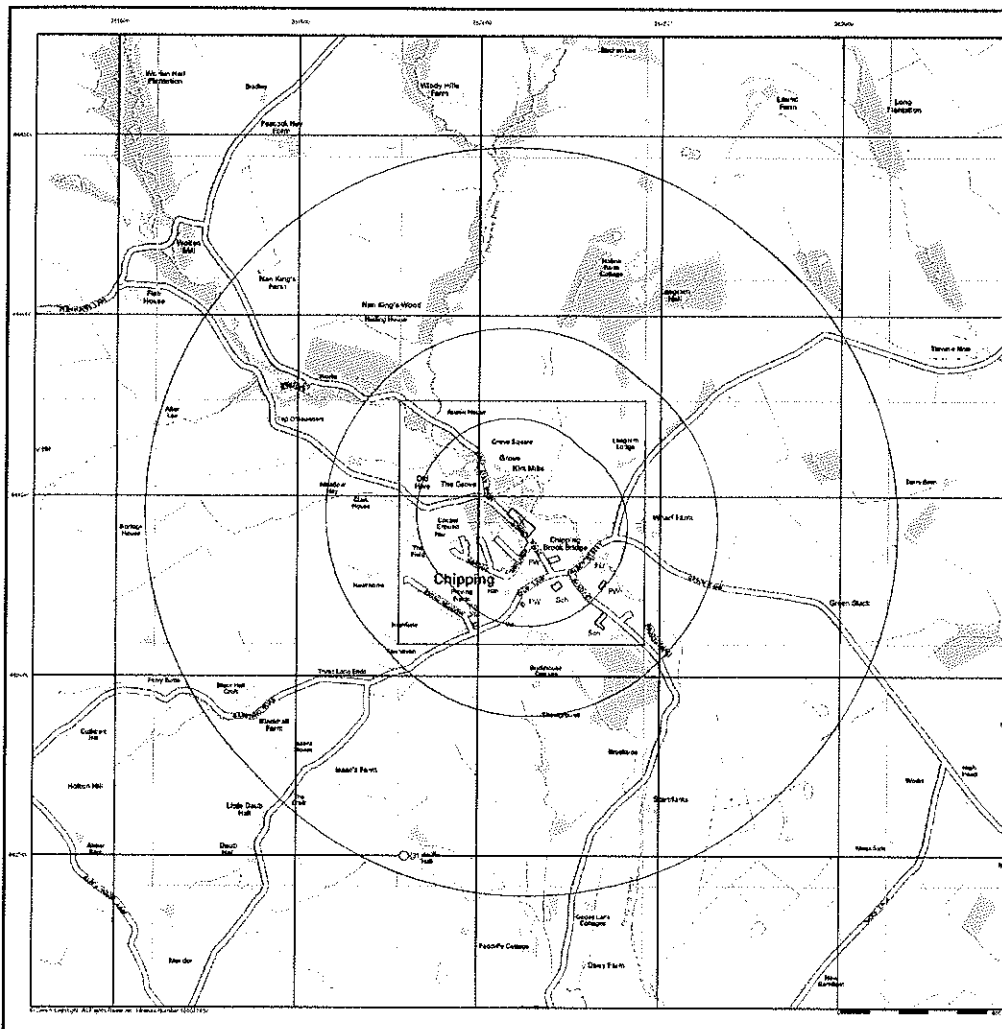
**Site Details**

Church Raikie, Chipping, PRESTON, PR3 2QL







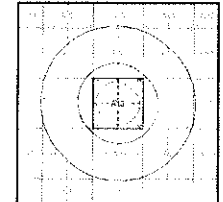


- General**
- Specified Site
  - Specified Borehole
  - ✕ Search Reference Point
  - Map ID
  - Search Area of Type at Location
- Agency and Hydrological (Boreholes)**
- BOS Borehole Depth 0 - 10m
  - BOS Borehole Depth 10 - 30m
  - BOS Borehole Depth 30m +
  - Composite
  - Data

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

A copy of the BOS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

**Borehole Map - Slice A**



**Order Details**

Order Number: 38348273\_1\_1  
 Customer Ref: 28192L.G  
 National Grid Reference: 362120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details**

Church Raik, Chipping, PRESTON, PR3 2QL



## Envirocheck® Report: Historical Data Report Datasheet

### Order Details:

**Order Number:**

38346273\_1\_1

**Customer Reference:**

26192LG

**National Grid Reference:**

362120, 443430

**Slice:**

A

**Site Area (Ha):**

0.21

**Search Buffer (m):**

1000

### Site Details:

Church Raike

Chipping

PRESTON

PR3 2QL

### Client Details:

MR W Baldwin

Sutcliffe Projects Ltd

18-20 Harrington Street

Liverpool

L2 9QA

### Prepared For:

Liverpool Housing Trust (LHT)

Report Section	Page Number
Summary	-
Historical Building Plans Information	-
Historical Land Use Information	1
Historical Tanks and Energy Facilities	-
Historical Map List	2
Useful Contacts and Further Information	3

### Introduction

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

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

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### Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
<b>Historical Building Plans Information</b>					
Areas Cleared Due To Enemy Action					
Above Ground Fuel Tanks (100m)				n/a	n/a
Asbestos (100m)				n/a	n/a
Benzene/Benzole/Naphtha, Naphthalene/Kerosene (100m)				n/a	n/a
Electricity Generation (100m)				n/a	n/a
Electricity Sub-Station (100m)				n/a	n/a
Gas Industry (100m)				n/a	n/a
Gas Storage (100m)				n/a	n/a
Gas Use (100m)				n/a	n/a
Oil Industry (100m)				n/a	n/a
Oil Storage (100m)				n/a	n/a
Oil Use (100m)				n/a	n/a
Paint based Oils (100m)				n/a	n/a
Paraffin (100m)				n/a	n/a
Petrol and Diesel Industry (100m)				n/a	n/a
Petrol and Diesel Storage (100m)				n/a	n/a
Petrol and Diesel Use (100m)				n/a	n/a
Potential Fuel Gas (100m)				n/a	n/a
Potential Fuel Oil (100m)				n/a	n/a
Potential Fuel Use (100m)				n/a	n/a
Potential Petrol and Diesel (100m)				n/a	n/a
Potential Tanks (100m)				n/a	n/a
Potentially Fuel-related Tanks (100m)				n/a	n/a
Underground Fuel Tanks (100m)				n/a	n/a
<b>Historical Land Use Information</b>					
Former Marshes					
Historical Flood Liabilities					
Potentially Contaminative Industrial Uses (Past Land Use)	pg 1		4		9
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 1			1	



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
<b>Historical Tanks and Energy Facilities</b>					
Electrical Sub Station Facilities (100m)				n/a	n/a
Electricity Industry Facilities (100m)				n/a	n/a
Gas Industry Facilities (100m)				n/a	n/a
Gas Monitoring Facilities (100m)				n/a	n/a
Miscellaneous Power Facilities (100m)				n/a	n/a
Oil Industry Facilities (100m)				n/a	n/a
Petroleum Storage Facilities (100m)				n/a	n/a
Potential Tanks (100m)				n/a	n/a
Tanks (100m)				n/a	n/a

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Cemetery or Graveyard Date of Mapping: 1895	A13SE (SE)	45	1	362160 443351
2	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Factory or works - use not specified Date of Mapping: 1987	A13NW (N)	78	1	362072 443542
3	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Sawmilling, planing & impregnation [i.e. treatment of timber] Date of Mapping: 1895 - 1956	A13NW (NW)	187	1	361982 443616
3	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Factory or works - use not specified Date of Mapping: 1847	A13NW (NW)	196	1	361984 443629
4	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Factory or works - use not specified Date of Mapping: 1847	A17SE (NW)	627	1	361564 443807
5	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Machinery: engines, building and general industrial [manufacture] Date of Mapping: 1847	A9NW (SE)	649	1	362489 442844
6	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Metal casting/foundries Date of Mapping: 1895	A17SE (NW)	661	1	361516 443795
7	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Factory or works - use not specified Date of Mapping: 1987	A17SE (NW)	697	1	361484 443814
8	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: General quarrying Date of Mapping: 1895	A18NW (N)	817	1	362100 444283
9	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Sawmilling, planing & impregnation [i.e. treatment of timber] Date of Mapping: 1847	A7SE (SW)	865	1	361641 442681
10	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: General quarrying Date of Mapping: 1847 - 1895	A12SW (W)	872	1	361253 443172
11	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Sewage Date of Mapping: 1987	A8SE (S)	939	1	362448 442503
12	<b>Potentially Contaminative Industrial Uses (Past Land Use)</b> Use: Cement, lime & plaster products [manufacture] Date of Mapping: 1847	A7NW (SW)	990	1	361202 442993
13	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SE (E)	254	1	362397 443326

No Historical Building Plans information available.

The following mapping has been analysed for Historical Land Use Information:

<b>1:10,560</b>	<b>Mapsheet</b>	<b>Published Date</b>
Lancashire And Furness	046_00	1847
Yorkshire	181_00	1850
Lancashire And Furness	046_00	1895
Yorkshire	181_00	1896
Lancashire And Furness	046_SW	1913
Lancashire And Furness	046_NW	1914
Lancashire And Furness	046_SW	1933
Ordnance Survey Plan	SD64SW	1956
<b>1:10,000</b>	<b>Mapsheet</b>	<b>Published Date</b>
Ordnance Survey Plan	SD64SW	1987

The following mapping has been analysed for Historical Tanks and Energy Facilities:

<b>1:2,500</b>	<b>Mapsheet</b>	<b>Published Date</b>
Ordnance Survey Plan	SD6143	1968
Ordnance Survey Plan	SD6243	1968

Contact	Name and Address	Contact Details
1	<b>Landmark Information Group Limited</b> 5 - 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Telephone: 01392 441761 Fax: 01392 441709 Email: <a href="mailto:cssupport@landmarkinfo.co.uk">cssupport@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>

### Historical Building Plans Information

This data set contains potentially contaminative features such as asbestos, petrol, oil and tanks captured from Historical Building Plans. The Historical Building Plans were produced by the London-based firm Charles E. Goad Ltd. as fire insurance plans, dating back to 1885. The firm ceased production of fire insurance plans in 1970. Most of the important towns and cities of the British Isles are covered. Historical Building Plans are usually at the scales of 1:480 (1 inch to 40 feet) for the British Isles. They were updated every 5-6 years by means of revision sheets designed to be pasted on to the original plans.

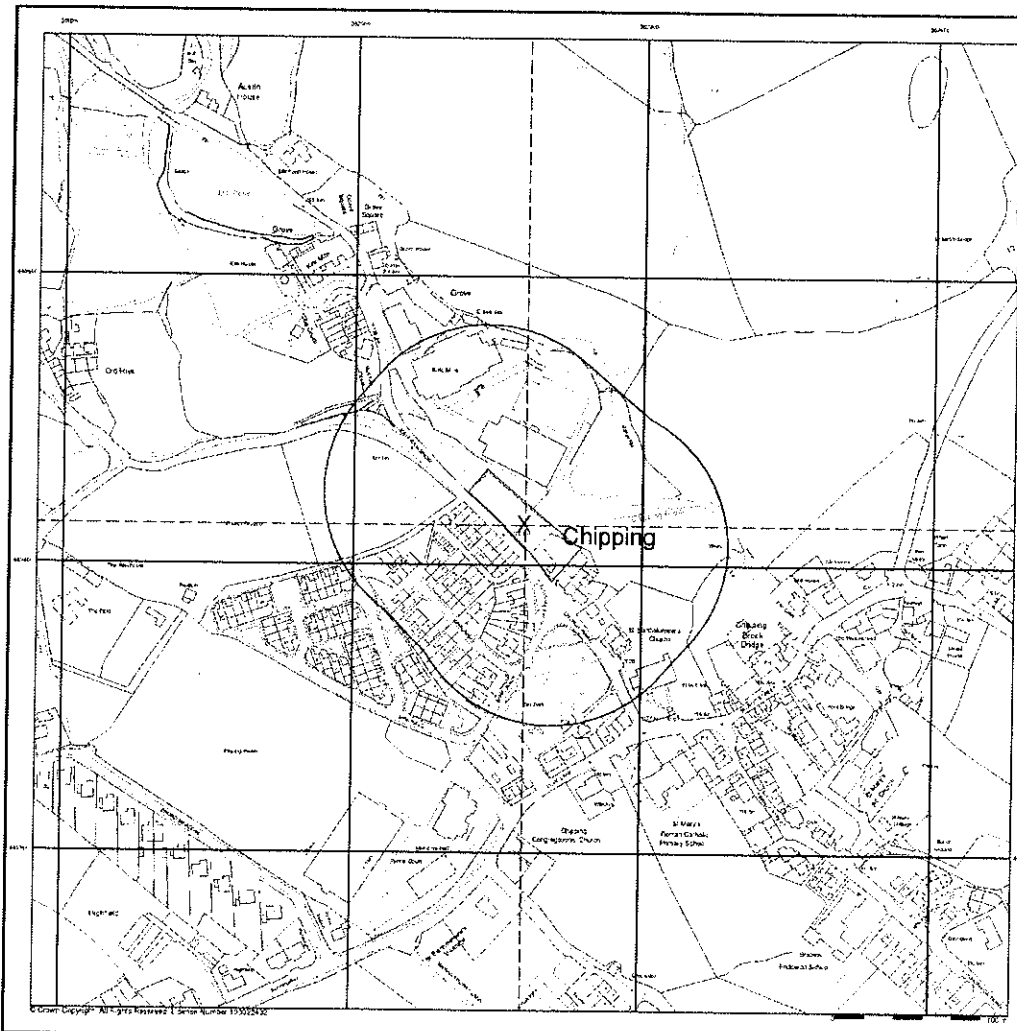
It should be noted that Historical Building Plans are only available for certain major towns and cities and in some cases there may only be partial coverage of the search area. It cannot therefore be assumed that the absence of responses under the Historical Building Plans section of this report indicates that no hazards exist. Please check the Historical Building Plans Map List table in the Historical Map List section of this report to establish if Historical Building Plans are available for this search area.

### Historical Land Use Information

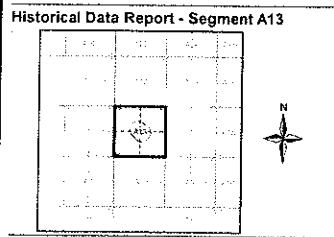
Landmark's Historical Land Use Data is the result of combined analysis of historical map data captured at 1:10,560 and 1:10,000. A unique comprehensive database of Historic Land Use from the 1840's to 1996 it includes 67 different types of potentially contaminated past industrial land use. This entailed analysing over 60,000 maps and is drawn from at least four, and up to six historical map editions. In addition a seventh layer was also created, known as the land use layer, containing areas of infilled land which are plotted via comparison between two or more map editions.

### Historical Tanks and Energy Facilities

In addition to HLU, additional analysis uncovered some of the most dangerous sources of contamination (past and present tanks, petrol storage, oil, gas, electricity, miscellaneous facilities). This data set covers over 390,000 Historical Tanks and Energy facilities in Great Britain and was captured from post war 1:2500 and 1:1250 Ordnance Survey historical mapping covering a period from 1943 to 1996.



- General**
- Specimen Site
  - Specified Buffer/Zone
  - Shading Reference Point
  - Map ID
  - Several of Type at Location
  - Point
  - Overhead Transmission Line
- Historical Building Plans**
- Area Overlaid for Binary Action
  - Addition
  - Above Ground Fuel Tank
  - Below Ground Fuel Tank
  - Electricity Generation
  - Electricity Sub-Station
  - Gas Main
  - Gas Line
  - Gas Meter
  - Oil Storage
  - Oil Tank
  - Fuel Based Oil
  - Pottery
  - Tank and Diesel Industry
  - Tank and Diesel Storage
  - Tank and Diesel Line
  - Petroleum Fuel Oil
  - Petroleum Fuel Oil
  - Petroleum Fuel Oil
  - Petroleum Fuel and Diesel
  - Petroleum Tank
  - Petroleum Fuel-related Tank
  - Underground Fuel Tank
- Historical Tanks and Energy Facilities**
- Electrical Sub-Station Facility
  - Electrical Industry Facility
  - Gas Industry Facility
  - Gas Monitoring Facility
  - Miscellaneous Power Facility
  - Industrial Facility
  - Petroleum Storage Facility
  - Petroleum Tank
  - Tank



**Order Details**

Order Number: 38346273\_1\_1  
 Customer Ref: 28192L0  
 National Grid Reference: 362120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Plot Buffer (m): 100

**Site Details**

Church Raile, Chipping, PRESTON, PR3 2QL



**APPENDIX E**  
**GEOLOGY REPORT**

## Geology 1:50,000 Maps Legends

### Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	SLIP	Landslide Deposit	Unknown/Undassified Entry	Quaternary - Quaternary

### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SUPNM	Superficial Theme Not Mapped (For Digital Map Use Only)	Unknown/Undassified Entry	Not Applicable - Not Applicable
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	TILLD	Till, Devensian	Diamictic	Devensian - Devensian
	GFDUD	Glacioluvial Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	QLLD	Glaciolacustrine Deposits	Clay and Silt	Pleistocene - Pleistocene
	GLLD	Glaciolacustrine Deposits	Sand	Pleistocene - Pleistocene
	ALF	Alluvial Fan Deposits	Gravel, Sand, Silt and Clay	Quaternary - Quaternary
	PEAT	Peat	Peat	Quaternary - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Quaternary - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PNDS	Penelides Sandstone Member	Sandstone	Brigantian - Brigantian
	PKSL	Park Style Limestone Member	Limestone	Brigantian - Asbian
	BSG	Bowland Shale Formation	Mudstone and Siltstone	Yeadonian - Asbian
	BSG	Bowland Shale Formation	Sandstone and Mudstone	Yeadonian - Asbian
	BSG	Bowland Shale Formation	Mudstone	Yeadonian - Asbian
	PCL	Penelides Limestone Formation	Limestone	Asbian - Holkerian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	BOH	Hodderense Limestone Formation	Limestone	Holkerian - Holkerian
	RKM	Rad Brook Mudstone Member	Mudstone	Holkerian - Holkerian
	CHGL	Chalgley Limestone Member	Limestone	Arundian - Arundian
	HOM	Hodder Mudstone Formation	Mudstone	Holkerian - Chadian
	LMKL	Limekiln Wood Limestone Member	Limestone	Chadian - Chadian
	BNKS	Buckbenks Sandstone Member	Sandstone	Chadian - Chadian
	CLKK	Citheroe Limestone Formation (Knoll-Roof)	Limestone	Chadian - Chadian
	THTL	Thomton Limestone Member	Limestone	Chadian - Chadian
	CHL	Chelburn Limestone Formation	Limestone	Chadian - Courcayian
		Faults		

**sutcliffe investigations**

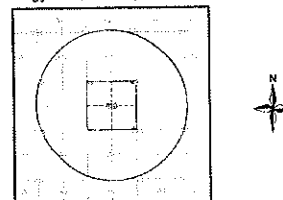
### Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps. The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map No:	1
Map Sheet No:	007
Map Name:	Stirling
Map Date:	1969
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Available
Landslip:	Available
Rock Segments:	Not Available

### Geology 1:50,000 Maps - Slice A



### Order Details:

Order Number: 38340273\_1\_1  
 Customer Reference: 201926G  
 National Grid Reference: 362120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

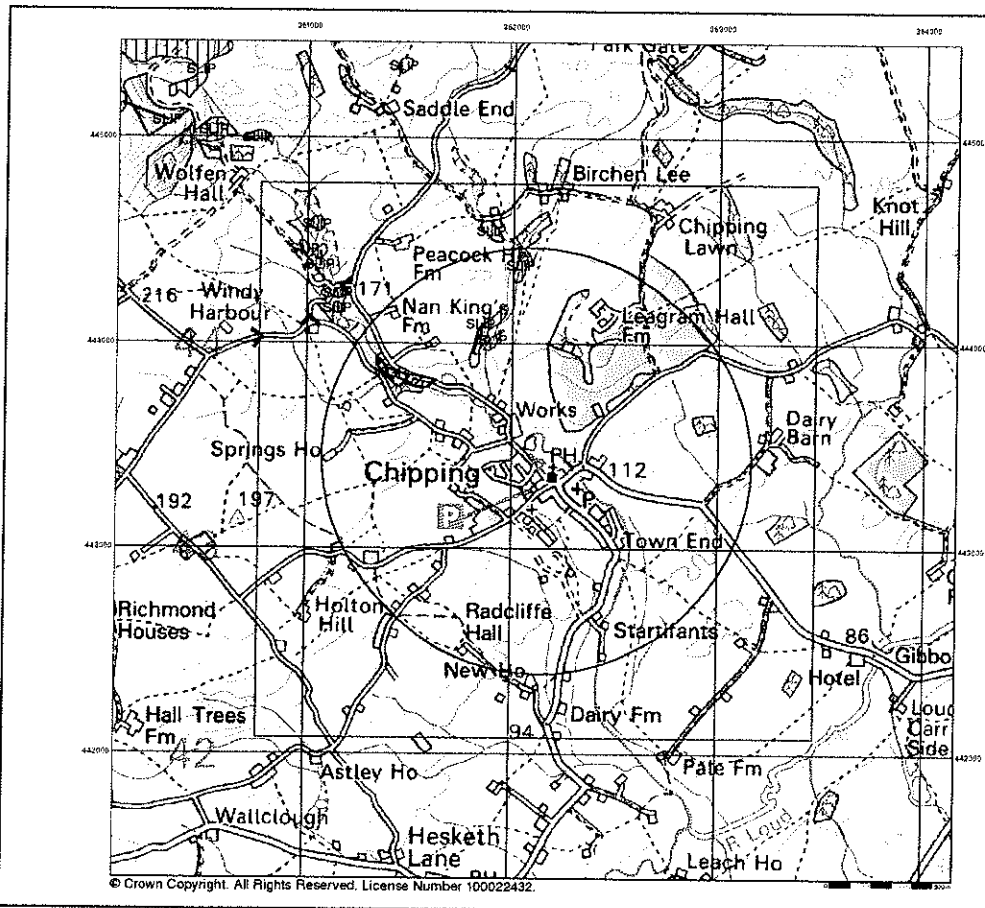
### Site Details:

Church Raik, Chipping, PRESTON, PR3 2QL

**Landmark**

Tel: 0844 834 950  
 Fax: 0844 834 951  
 Web: www.sutcliffe.co.uk





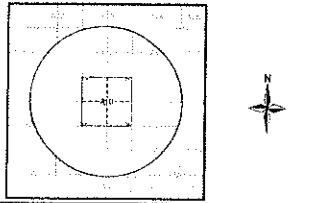
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## sutcliffe investigations

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

- Artificial ground includes:**
- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
  - Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
  - Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
  - Landscaped ground - areas where the surface has been reshaped.
  - Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.
- Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes faulted strata, where the ground has collapsed due to subsidence.**

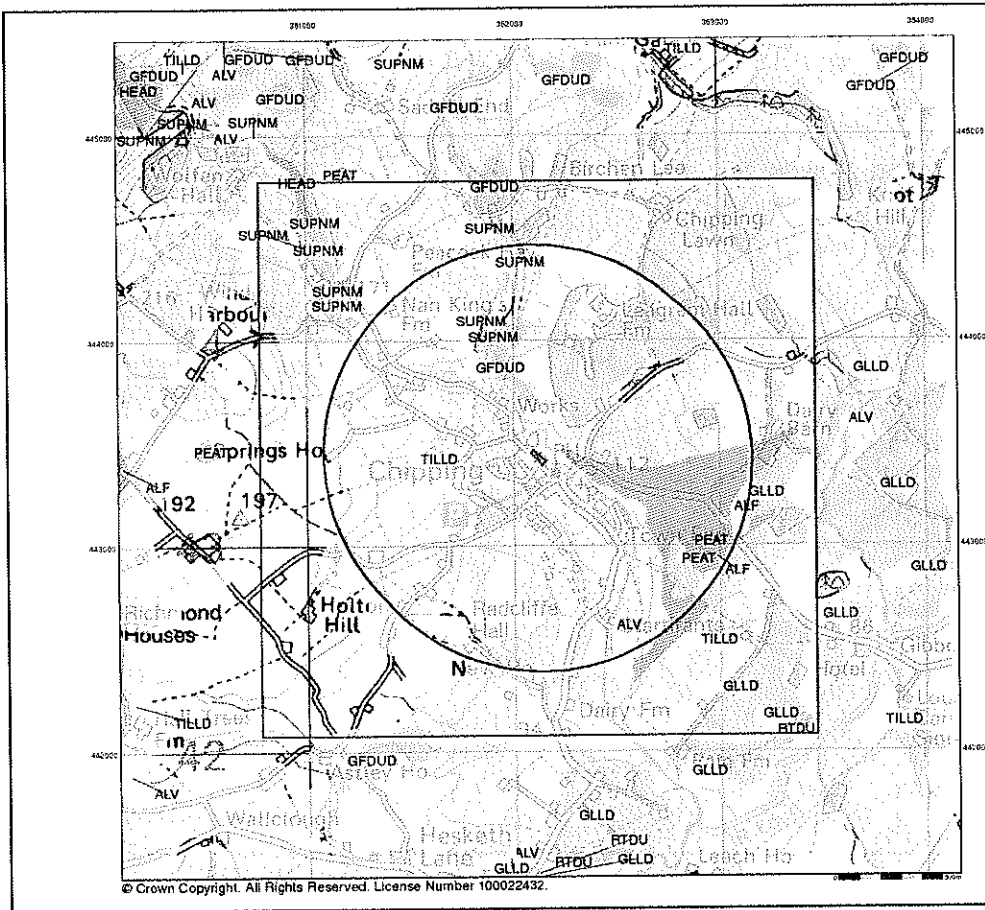
**Artificial Ground and Landslip Map - Slice A**



**Order Details:**  
 Order Number: 38346273\_L\_1  
 Customer Reference: 281922.G  
 National Grid Reference: 302120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details:**  
 Church Railer, Chipping, PRESTON, PR5 2QL

**Landmark** Tel: 01204 616000  
 Fax: 01204 616011  
 Web: www.landmark.co.uk



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## sutcliffe investigations

**Superficial Geology**  
 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

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

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

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**Superficial Geology Map - Slice A**

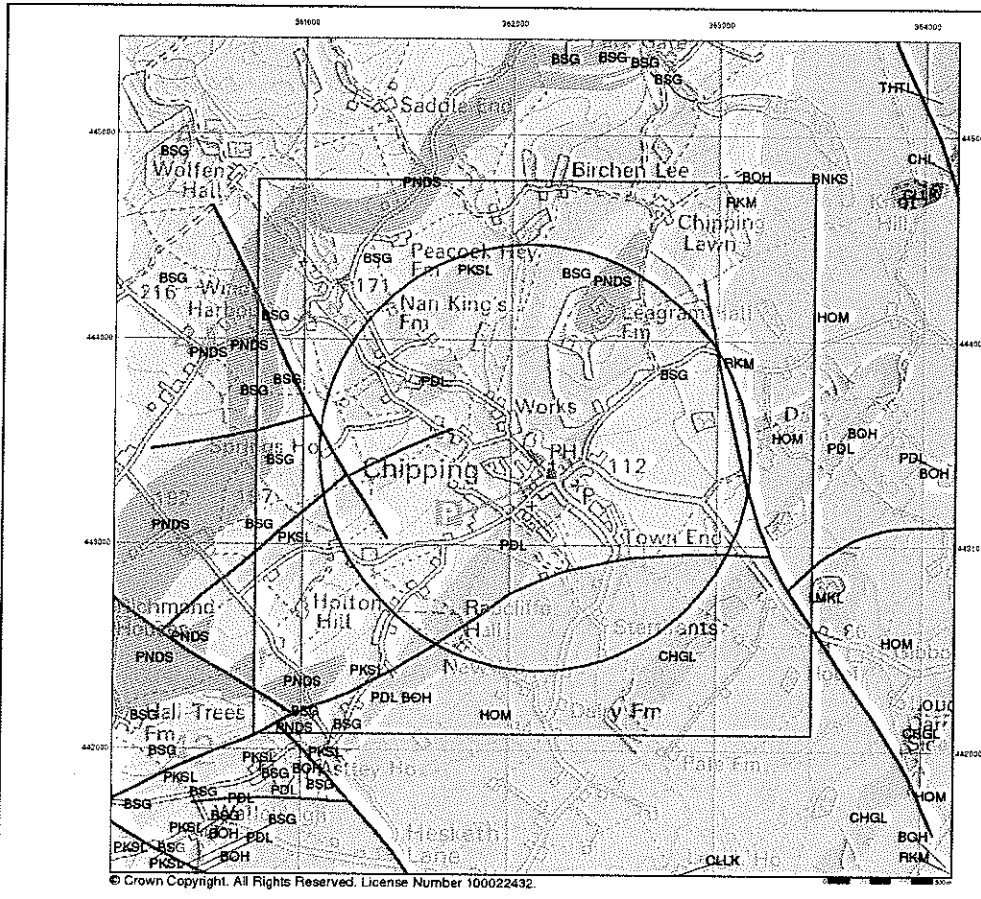
**Order Details:**  
 Order Number: 38346273\_1\_1  
 Customer Reference: 251022\_G  
 National Grid Reference: 352120, 443450  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details:**  
 Church Raile, Chipping, PRESTON, PR3 2QL

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**Landmark** Tel: 0800 844 997  
 Fax: 0800 844 999  
 Email: www.landmark.co.uk

v15.0 03-Apr-2012 Page 3 of 5



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## sutcliffe investigations

### Bedrock and Faults

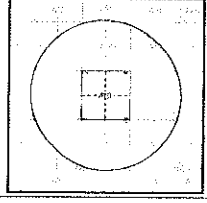
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

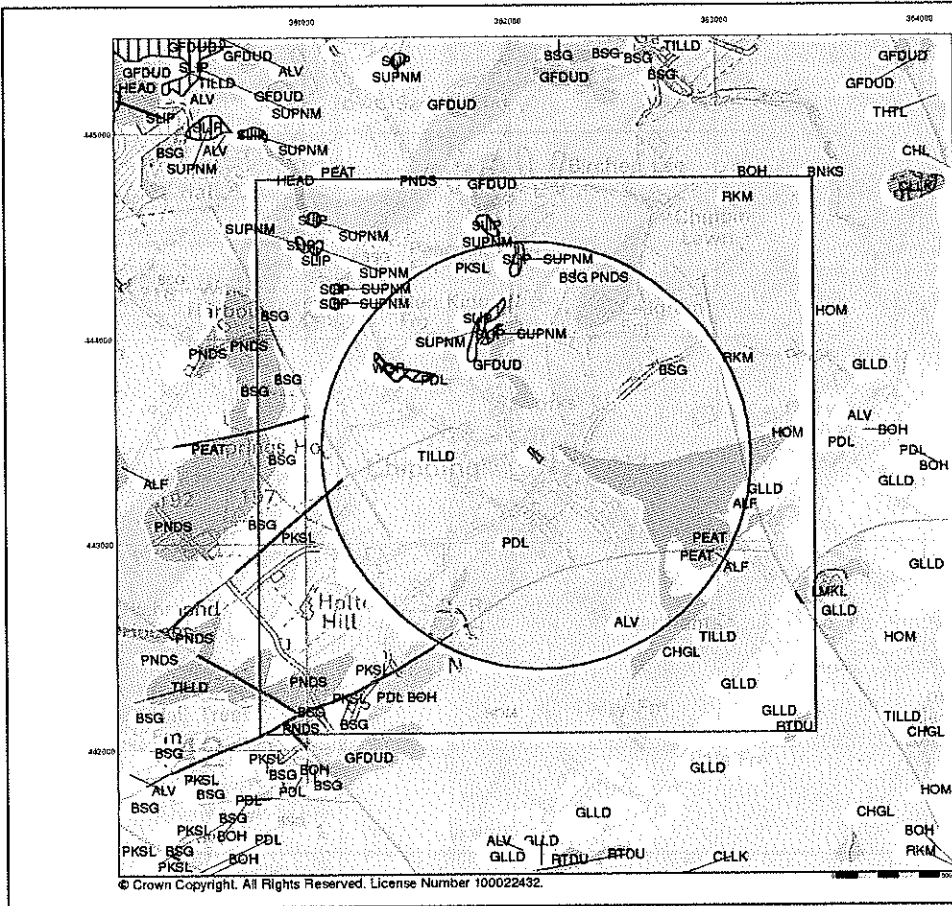
The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but not across the strata and post date its deposition.

### Bedrock and Faults Map - Slice A




**Order Details:**  
 Order Number: 38346273\_1.1  
 Customer Reference: 26192.G  
 National Grid Reference: 362120, 443430  
 Show: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details:**  
 Church Reife, Chipping, PRESTON, PR3 2QL



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

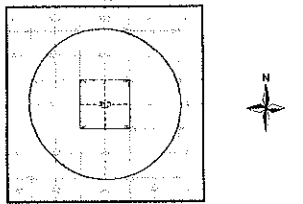
Please consult the legends to the previous maps to interpret the Combined 'Surface Geology' map.

**Additional Information**  
 More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

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

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**Combined Geology Map - Slice A**



**Order Details:**  
 Order Number: 38346273\_1\_1  
 Customer Reference: 261922\_G  
 National Grid Reference: 382120, 443430  
 Slice: A  
 Site Area (Ha): 0.21  
 Search Buffer (m): 1000

**Site Details:**  
 Church Relie, Chipping, PRESTON, PR8 2QL

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**Landmark** TM 0844 841 8900  
FR 0844 841 9900  
WEB www.evoxmark.com

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**APPENDIX F**  
**SERVICES**

**Sutcliffe Projects Ltd  
Consulting Engineers  
18 & 20 Harrington Street  
Liverpool  
Merseyside  
L2 9QA**

**FAO: Sara Hale**

Dear Sirs

**Location: Church Raike Chipping Preston**

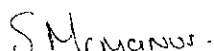
I acknowledge with thanks your request dated 19/04/12 for information on the location of our services.

Please find enclosed plans showing the approximate position of our apparatus known to be in the vicinity of this site.  
I attach General Condition Information sheets, which details contact numbers for additional services (i.e. new supplies, connections, diversions) which we are unable to deal with at this office. In addition you should ensure they are made available to anyone carrying out any works which may affect our apparatus.

I trust the above meets with you requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please telephone us on 0870 7510101.

Yours Faithfully,



**Sue McManus  
Operations Manager  
Property Searches**

**United Utilities Water PLC**  
Property Searches  
Ground Floor Grasmere House  
Lingley Mere Business Park  
Great Sankey  
Warrington  
WA5 3LP

DX 715568 Warrington  
Telephone 0870 751 0101  
Fax Number 0870 7510102

**[Property.searches@uuwplc.co.uk](mailto:Property.searches@uuwplc.co.uk)**

Your Ref:

Our Ref: 11/ 864651

Date: 20/04/2012

### **TERMS AND CONDITIONS - WASTERWATER & WATER DISTRIBUTION PLANS**

These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self construction of water mains) (UUW apparatus) of United Utilities Water PLC ("UUW").

#### **TERMS AND CONDITIONS:**

1. This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.
2. This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.
3. In particular, the position and depth of any UUW apparatus shown on the Map are approximate only. UUW strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UUW apparatus. The exact location, positions and depths should be obtained by excavation trial holes.
4. The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.
5. The position and depth of UUW apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.
6. This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UUW apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.
7. No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UUW apparatus by reason of the actual position and/or depths of UUW apparatus being different from those shown on the Map and any information supplied with it.
8. If any provision contained herein is or becomes legally invalid or unenforceable, it will be taken to be severed from the remaining provisions which shall be unaffected and continue in full force and affect.
9. This agreement shall be governed by English law and all parties submit to the exclusive jurisdiction of the English courts, save that nothing will prevent UUW from bringing proceedings in any other competent jurisdiction, whether concurrently or otherwise.



## Conditions and information regarding wastewater network

**These general conditions and precautions apply to the wastewater network of United Utilities.**

**Please ensure that a copy of these conditions is passed to your representative and contractor on site.**

1. United Utilities provides the approximate locations of its sewers according to its records. These records are not necessarily accurate or complete nor do they normally show the positions of every sewer culvert or drain, private connections from properties to the public sewers or the particulars of any private system. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated. The records do indicate the position of the nearest known public sewer from which the likely length of private connections can be estimated together with the need for any off site drainage rights or easements.
2. Special requirements relative to our sewers may be indicated. United Utilities employees or its contractors will visit any site at reasonable notice to assist in the location of its underground sewers and advise any precautions that may be required to obviate any damage. To arrange a visit or for further information regarding new supplies, connections, diversions, costing, or any notification required under these General Conditions, please call us on **0845 746 2200**.
3. Where public sewers are within a site which is to be developed and do not take any drainage from outside the area, they are from an operational viewpoint redundant. The developer must identify all redundant sewers affected by the development and apply to United Utilities in writing for these sewers to be formally closed. The developer shall bear all related costs of the physical abandonment work.
4. Public sewers within the site that are still live outside the area, will be subject to a "Restricted Building zone". This would normally be a surface area equivalent to the depth of the sewer measured from the centre line of the sewer on either side. No construction will be permitted within that zone. The developer should also note that deep and wide rooted trees must not be planted in close proximity to live sewers. Access to public sewers must be maintained at all times and no interference to manholes will be permitted during construction work.
5. Where there is a public sewer along the line of a proposed development/building, arrangements shall be made by the developer at his cost to divert the sewer around the development. Where this is not possible and as a last resort, a "Building Over Agreement" will need to be completed under section 18 of the Building Act 1984. The developer shall design building foundations to ensure that no additional loading is transferred to the sewer and submit such details both to the Local Authority's Building Control Officer and to United Utilities for approval/acceptance. United Utilities on a rechargeable basis would normally undertake all aspects of design work associated with the diversion of any part of the operational wastewater network.
6. Where there is a non-main river watercourse/culvert passing through the site, the landowner has the responsibility of a riparian owner for the watercourse/culvert and is responsible for the maintenance of the fabric of the culvert and for all works involved in maintaining the unrestricted flow through it. Building over the watercourse/culvert is not recommended. The developer must contact the local authority before any works are carried out on the watercourse/culvert. Where it is necessary to discharge surface water from the site into the watercourse/culvert the developer shall make an assessment of the available capacity of the watercourse/culvert (based on a 1 in 50 year event) and ensure that the additional flow to be discharged into the watercourse/culvert will not cause any flooding. In appropriate cases, flooding may be prevented by on-site storage. The developer shall submit the relevant details required to substantiate his development proposals. Details of any outfall proposed shall also be submitted to the Environment Agency, PO Box 12, Richard Fairclough House, Knutsford Road, Warrington, Cheshire, WA4 1HT for their approval.
7. Where there is a main river watercourse/culvert passing through the site, the developer shall submit all proposals affecting the river to the Environment Agency at the address stated in paragraph 6 for approval/acceptance.



8. Your attention is drawn also to the following:

- **Private drains or sewers which may be within the site.**  
United Utilities has no duty to keep records of private drains and sewers, and there are no comprehensive records kept elsewhere. Local Authority Building Control Officers may have records of recent developments and they or the developer may be able to provide information in this respect.
- **Applications to make connections to the public sewer.**  
The developer must write to United Utilities requesting an application form that must be duly completed and returned. No works on the public sewer shall be carried out until a letter of consent is received from United Utilities.
- **Sewers for adoption.**  
If an agreement for the adoption of sewers under Section 104 of the Water Industry Act 1991 is being contemplated, a submission in accordance with "Sewers for Adoption", Fifth Edition, published by the Water Research Centre (2001) Plc, Henley Road, Medmenham, PO Box 16, Marlow, Buckinghamshire, SL7 2HD will be required, taking into consideration any departures from the general guide stipulated by United Utilities.
- **Further consultation with United Utilities.**  
Developers wishing to seek advice or clarification regarding sewer record information provided should contact United Utilities to arrange an appointment. A consultation fee may be charged, details of which will be made available at the time of making an appointment.

9. Combined sewers, foul sewers, surface water sewers, and pumped mains. These are shown separately in a range of colours or markings to distinguish them on our drawings, which are extracts from the statutory regional sewer map. A legend and key is provided on each extract for general use, although not all types of sewer will be shown on every extract.

**Combined sewers shown coloured red** carry both surface water and foul sewage, especially in areas where there is no separate surface water sewerage system.

**Foul sewers coloured brown** may also carry surface water and there may be no separate surface water system indicated in the immediate area. Both combined and foul sewers carry wastewater to our treatment works before it can safely be returned to the environment.

**Surface water sewers coloured blue** on our drawings are intended only to carry uncontaminated surface water (e.g. rainfall from roofs, etc) and they usually discharge into local watercourses. It is important for the protection of the environment and water quality that only uncontaminated surface water is connected to the surface water sewers. Improper connections to surface water sewers from sink wastes, washing machines and other domestic use of water can cause significant pollution of watercourses.

**Pumped mains, rising mains and sludge mains** will all be subject to pumping pressures and are neither suitable nor available for making new connections.

**Highway drains, when included, show as blue and black dashed lines.** Highway drains are not assets belonging to United Utilities and are the responsibility of local authorities.

10. For information regarding future proposals for construction of company apparatus please write to United Utilities, PO Box 453, Warrington, WA5 3QN.

11. For information regarding easements, deeds, grants or wayleaves please write to United Utilities Property Solutions, Coniston Buildings, Lingley Mere Business Park, Lingley Green Avenue, Great Sankey, Warrington WA5 3UU (**Tel: 01925 463 654**).



United Utilities Water PLC  
Haweswater House, Lingley Mere Business Park,  
Lingley Green Avenue, Great Sankey, Warrington WA5 3LP  
[www.unitedutilities.com](http://www.unitedutilities.com)

Registered in England and Wales Registered Number 2366678









## Extract From Map of Water Mains

The position of underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available.  
The actual positions may be different from those shown on the plan and private pipes, sewers or drains are not recorded.  
United Utilities will not accept any liability for any damage caused by the actual positions being different from those shown.

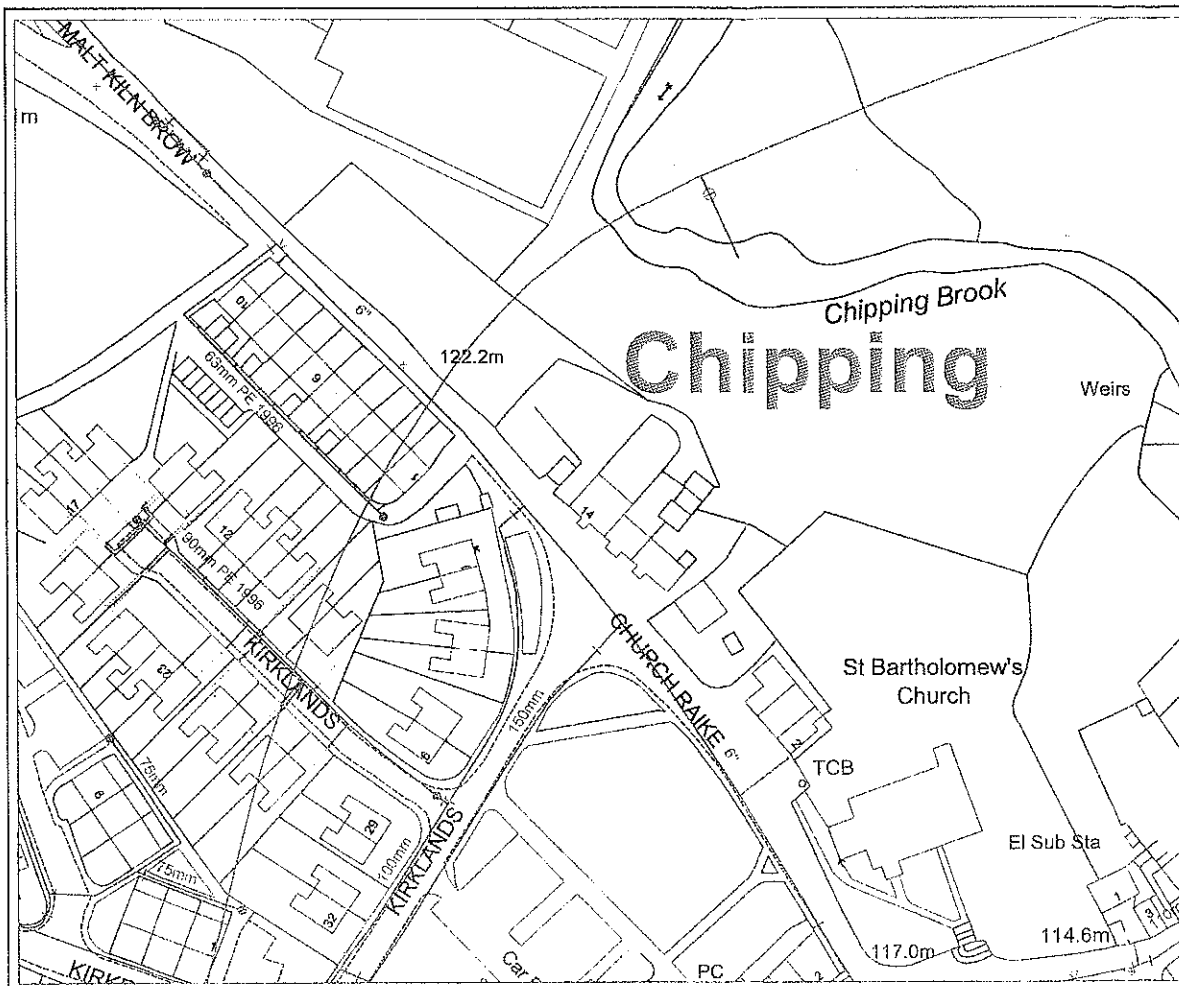
United Utilities 2001.  
The plan is based upon the Ordnance Survey Map with the sanction of the Controller of H.M. Stationery Office. Crown and United Utilities copyrights are reserved. Unauthorised reproduction will infringe these copyrights.

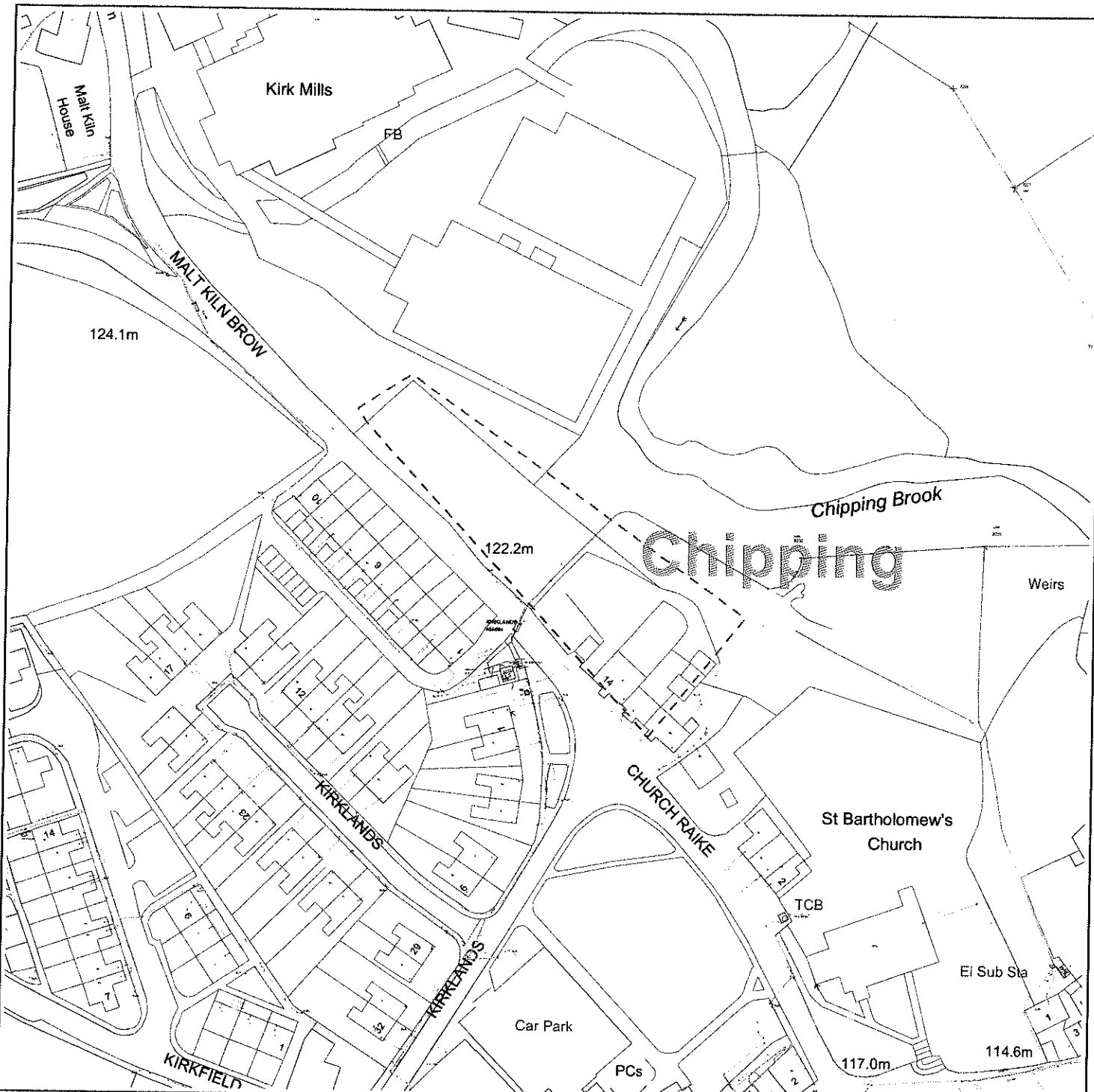
Blue - Distribution Mains  
Red or Mauve - Trunk Mains  
Dark Green - Non Potable Mains  
---x---x---x---x--- Disused Mains  
(These may still be live)

Land at Church Raikie  
Chipping  
Preston

Printed By: Marie Mura Date: 01/05/2009

**DO NOT SCALE**  
Approximate Scale 1:1250





Requested by: Cassie Longworth  
 Company: Utilities Connections Management  
 Date Requested: 19/04/2012  
 Job Reference: 496239  
 Your Scheme/Reference: KF

Operating Voltage	Colour Code	Line Colour
132kV	Black	
33kV	Green	
22kV-25kV	Yellow	
11kV	Red	
6kV-6.6kV	Blue	
1kV-6kV	Violet	
LV	Orange	
Unknown Voltage	Brown	



Dig Sites:  
 Area Line Point

Data Management  
 Electricity North West  
 Linley House  
 Dickinson Street  
 Manchester, M1 4LF  
 Phone: 0800 195 4141  
 Email: [planrequest@enwl.co.uk](mailto:planrequest@enwl.co.uk)

Unless otherwise indicated the depth of Electricity North West Limited cables are in accordance with NJUG (450mm for Low Voltage & 600mm for 11kV cables) 33kV and 132kV cables are laid at depths as marked. The depth and positions of Electricity North West Limited equipment was accurate as shown when the equipment was installed. However third parties may have altered the level & other reference data. Therefore Electricity North West Limited accept no responsibility for the position of Electricity North West Limited equipment being different from shown. No person, body or company, shall be relieved from liability for damage caused to Electricity North West Limited equipment by reason of being located differently to the indications on this drawing. Service cables are not necessarily shown but must be assumed to exist to all premises, streetlights and signs. There may be other Electricity North West Limited apparatus in the vicinity which is not indicated on the cable records. Other apparatus may also be present which is owned by a third party other than Electricity North West Limited.

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Reference should be made to HSE Guidance, HS(G)47 "Avoiding Danger from Underground Services" and GS6 "Avoidance of Danger from Overhead Power Lines".  
 Electricity North West Limited 304 Bridgewater Place, Birchwood Park, Warrington WA3 6XG. Registered in England and Wales. Registered No 02366949

Scales on A4 paper:  
 1:1250 Area dig site  
 1:500 Line dig site  
 1:250 Point dig site



Plant Protection  
National Grid  
Block 1; Floor 1  
Brick Kiln Street  
Hinckley  
LE10 0NA  
E-mail: [plantprotection@uk.ngrid.com](mailto:plantprotection@uk.ngrid.com)  
Telephone: +44 (0)800 688588

Sara Hale  
Sutcliffe Projects LTD  
18-20 HARRINGTON STREET  
Liverpool  
L2 9QA

**National Grid Electricity Emergency Number:**  
0800 40 40 90\*

**National Gas Emergency Number:**  
0800 111 999\*

\* Available 24 hours, 7 days/week.  
Calls may be recorded and monitored.

[www.nationalgrid.com](http://www.nationalgrid.com)

**Date:** 02/05/2012  
**Our Ref:** XX\_XX\_2W\_04389  
**Your Ref:**

**RE: Scheduled Works, PR3 2QL, Church Raikie, Chipping, Preston**

Thank you for your enquiry which was received on 26/04/2012.

Please note this response and any attached map(s) are valid for 28 days.

An assessment has been carried out with respect to National Grid Electricity Transmission plc's and National Grid Gas plc's apparatus. Please note it does not cover the items listed in the section "Your Responsibilities and Obligations", including gas service pipes and related apparatus.

For details of National Grid's network areas please see the National Grid website (<http://www.nationalgrid.com/uk/Gas/Safety/work/>) or the enclosed documentation.

### **Are My Works Affected?**

National Grid has identified that it has no record of apparatus in the vicinity of your enquiry. Please note that there may still be gas service(s) or recently installed apparatus present. Further detail can be found in the "Essential Guidance" document (<http://www.nationalgrid.com/NR/ronlyres/6D6525F9-59EB-4825-BA89-DBD7E68882C7/51319/EssentialGuidance.pdf>).

**Please proceed with caution, and with reference to the other guidance in this response.**



The details contained within this enquiry are valid for 28 days. If the scheduled work is not completed within this time, or should the location, date or nature of your activities change, you must submit another enquiry.

## Your Responsibilities and Obligations

The "Assessment" Section below outlines the detailed requirements that must be followed when planning or undertaking your scheduled activities at this location.

It is your responsibility to ensure that the information you have submitted is accurate and that all relevant documents including links are provided to all persons (either direct labour or contractors) working for you near National Grid's apparatus, e.g. as contained within the Construction (Design and Management) Regulations.

This assessment solely relates to National Grid Electricity Transmission plc (NGET) and National Grid Gas plc (NGG) apparatus. This assessment does **NOT** include:

- National Grid's legal interest (easements or wayleaves) in the land which restricts activity in proximity to National Grid's assets in private land. You must obtain details of any such restrictions from the landowner in the first instance and if in doubt contact National Grid.
- Gas service pipes and related apparatus
- Recently installed apparatus
- Apparatus owned by other organisations, e.g. other gas distribution operators, local electricity companies, other utilities, etc.

It is **YOUR** responsibility to take into account whether the items listed above may be present and if they could be affected by your proposed activities. Further "Essential Guidance" in respect of these items can be found on the National Grid Website (<http://www.nationalgrid.com/NR/rdonlyres/6D6525F9-59EB-4825-BA89-DBD7E68882C7/51319/EssentialGuidance.pdf>).

This communication does not constitute any formal agreement or consent for any proposed development work; either generally or with regard to National Grid's easements or wayleaves nor any planning or building regulations applications.

NGG and NGET or their agents, servants or contractors do not accept any liability for any losses arising under or in connection with this information. This limit on liability applies to all and any claims in contract, tort (including negligence), misrepresentation (excluding fraudulent misrepresentation), breach of statutory duty or otherwise. This limit on liability does not exclude or restrict liability where prohibited by the law nor does it supersede the express terms of any related agreements.

If you require further assistance please contact the National Grid Plant Protection team via e-mail ([click here](#)) or via the contact details at the top of this response.

Yours faithfully

National Grid Plant Protection Team

# ASSESSMENT

## Requirements

### **BEFORE carrying out any work you must:**

- Carefully read these requirements including the attached guidance documents and maps showing the location of National Grid apparatus.
- Contact the landowner and ensure any proposed works in private land do not infringe National Grid's legal rights (i.e. easements or wayleaves). If the works are in the road or footpath the relevant local authority should be contacted.
- Ensure that all persons, including direct labour and contractors, working for you on or near National Grid's apparatus follow the requirements of the HSE Guidance Notes HSG47 - 'Avoiding Danger from Underground Services' and GS6 – 'Avoidance of danger from overhead electric power lines'. This guidance can be downloaded free of charge at <http://www.hse.gov.uk>
- In line with the above guidance, verify and establish the actual position of mains, pipes, cables, services and other apparatus on site before any activities are undertaken.

# GUIDANCE

## Standard Guidance

**Essential Guidance document:**

<http://www.nationalgrid.com/NR/rdonlyres/6D6525F9-59EB-4825-BA89-DBD7E68882C7/51319/EssentialGuidance.pdf>

**General Guidance document:**

<http://www.nationalgrid.com/NR/rdonlyres/55C13C4D-A1AA-4B13-BFDA-1CF59F88B326/51318/GeneralGuidance.pdf>

**Excavating Safely in the vicinity of gas pipes guidance (Credit card):**

<http://www.nationalgrid.com/NR/rdonlyres/A3D37677-6641-476C-9DDA-E89949052829/44257/ExcavatingSafelyCreditCard.pdf>

**Excavating Safely in the vicinity of electricity cables guidance (Credit card):**

<http://www.nationalgrid.com/NR/rdonlyres/35DDEC6D-D754-4BA5-AF3C-D607D05A25C2/44858/ExcavatingSafelyCreditCardelectricitycables.pdf>

Copies of all the Guidance Documents can also be downloaded from the National Grid Website:

<http://www.nationalgrid.com/uk/Gas/Safety/work/downloads/>

# ENQUIRY SUMMARY

## Received Date

26/04/2012

## Location

Centre Point: 362117, 443427

X Extent: 76

Y Extent: 76

Postcode: PR3 2QL

Location Description: PR3 2QL, Church Raike, Chipping, Preston

## Map Options

Paper Size: A4

Orientation: LANDSCAPE

Requested Scale: 500

Actual Scale: N/A

Real World Extents: N/A

## Start Date

14/05/2012

## Recipients

pprsteam@uk.ngrid.com

## Enquirer Details

Organisation Name: Sutcliffe Projects LTD

Contact Name: Sara Hale

Email Address: sara.hale@sutcliffe.co.uk

Telephone: 0151 227 3155

Address: 18-20 HARRINGTON STREET, Liverpool, L2 9QA

## Description of Works

undertaking site investigation works (dB)

## Enquiry Type

Scheduled Works

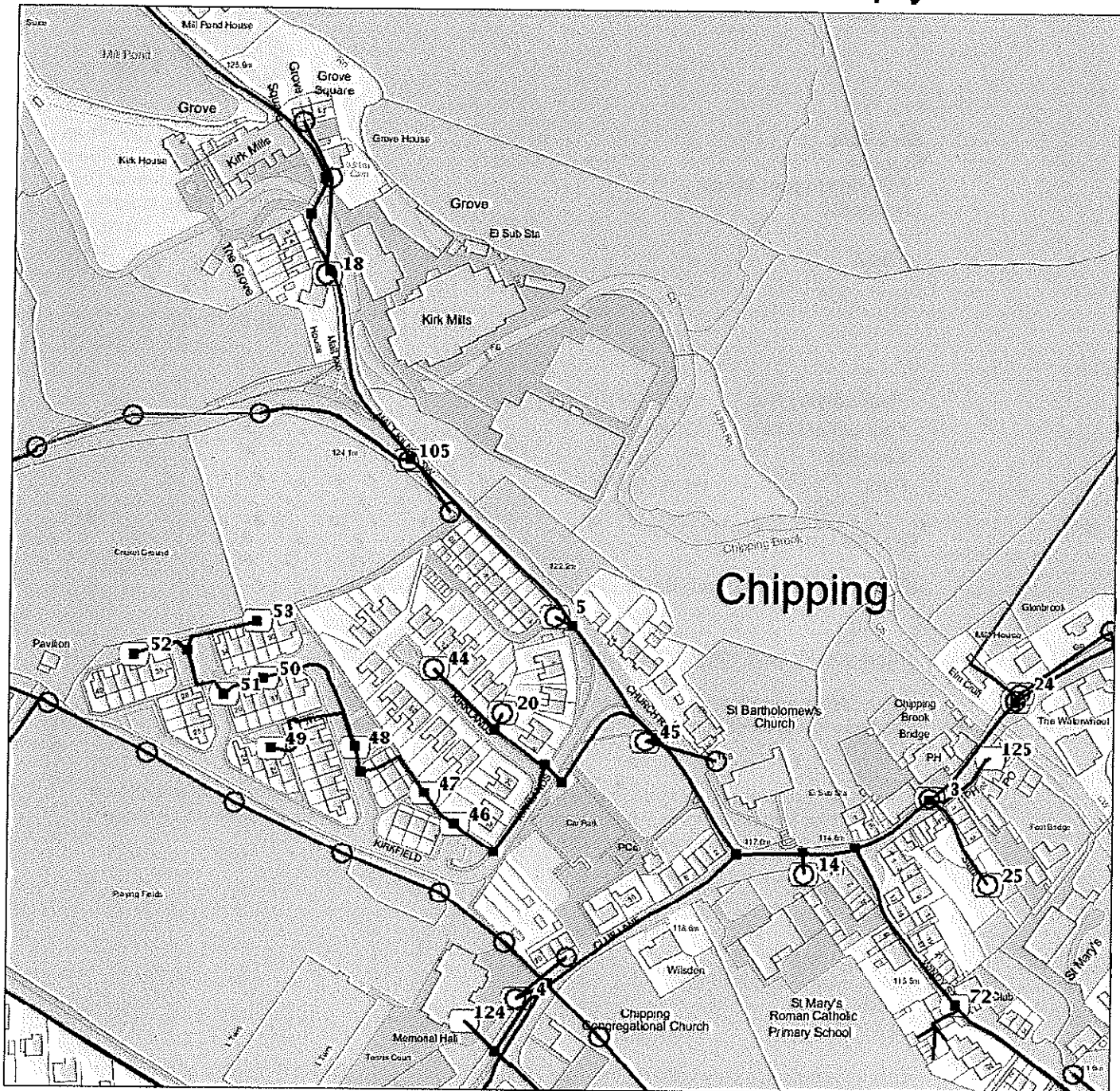
## Activity Type

General Excavation

## Work Types

Work Type: Deep Excavation (greater than or equal to 0.3m)

# Maps by email Plant Information Reply



## IMPORTANT WARNING

Information regarding the location of BT apparatus is given for your assistance and is intended for general guidance only. No guarantee is given of its accuracy. It should not be relied upon in the event of excavations or other works being made near to BT apparatus which may exist at various depths and may deviate from the marked route.

## DIAL BEFORE YOU DIG

FOR PROFESSIONAL ON SITE ASSISTANCE PRIOR TO COMMENCEMENT OF EXCAVATION WORKS

ADVANCE NOTICE REQUIRED  
(Office hours: Monday-Friday 08.00 to 17.00)

Tel: 0800 9173993  
E-mail: [dbyd@openreach.co.uk](mailto:dbyd@openreach.co.uk)  
Website: [www.dialbeforeyoudig.com](http://www.dialbeforeyoudig.com)

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(C) Crown Copyright British Telecommunications plc 100028040

## KEY TO BT SYMBOLS

	UNDERGROUND PLANT		POLE
	OVERHEAD PLANT		CABINET
	JOINT BOX		BURIED JOINT
	DISTRIBUTION POINT		JOINTING POST
	MANHOLE		PROPOSED U/G
	DP BOUNDARY		PROPOSED O/H
	OTHER BT BOUNDARY		PROPOSED BOX

Other proposed plant is shown using dashed lines. BT symbols not listed above may be disregarded. Existing BT plant may not be recorded. Information valid at the time of preparation.

**openreach**

BT Group business



BT Ref : YD112233W

Map Reference : (centre) SD6212043430

Eastings/Northing : (centre) 362120,443430

Issued : 19/04/2012 12:24:14



Sara Hale  
Sutcliffe  
18-20 Harrington Street  
Liverpool

L2 9QA

Virgin Media  
National Plant Enquiries Team  
Scimitar Park  
Courtauld Road  
Basildon  
Essex  
SS13 1ND

Tel: 0870 888 3116 Opt 2  
Fax: 01268 468557

Plant Enquiry Ref: VM/CIP/101524  
Your Letter Date: 27/04/12  
Your Ref: LG: 26192  
Date: 04/05/2012

Dear Ms Hale

Enquiry Location: **Church Raike, Chipping, Preston, PL3 2QL**

Thank you for your enquiry regarding work at the above location.

Virgin Media and Viatel plant should not be affected by your proposed work and no strategic additions to our existing network are envisaged in the immediate future.

Should your request be in relation to a New Development and you require an estimate to be prepared for Virgin Media to service your proposed development, please submit this request for costs along with site drawings (scale 1:500) to:

**Virgin Media**  
New Build  
Virgin Media  
1 Dove Wynd  
Strathclyde Business Park  
Bellshill  
ML4 3AL

This information is only valid on the date of issue. If your start date is 3 months or more from the date of this letter, please re-apply for updated information.

Yours faithfully,

National Plant Enquiries Team  
email: [plant.enquiries.team@virginmedia.co.uk](mailto:plant.enquiries.team@virginmedia.co.uk)

**Please note: National Plant Enquiries Team (Basildon) cover and respond to plant enquiries for all ex ntl:Telewest franchise areas.**