

**WORMS EYE**  
**GEOTECHNICAL**

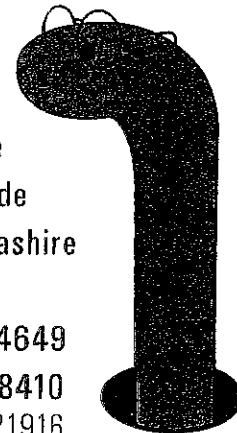
RECEIVED  
13 JAN 2007

Our Ref: GGC/PNG/WF15 8DU.rept07  
Date: 8<sup>th</sup> January 2007

Mr. Mark Brotherton,  
Mark Brotherton Ltd.,  
Fox Cottage,  
Whitley Road,  
WHITLEY,  
WF12 0LU

Tel: 01942 459231  
Fax: 05600 495772

Cannon House  
52 Bank Parade  
Burnley, Lancashire  
BB11 1TS  
Tel: 01282-414649  
458410  
Fax: 01282 - 721916  
E-mail: info@wormseye.co.uk



RECEIVED  
13 JAN 2007

HALIFAX ROAD, HIGHTOWN, LIVERSEEDGE, WEST YORKSHIRE, WF15 8DU

Desk Study

INTRODUCTION

It is proposed to redevelop the above site for residential use. Our instructions were to carry out a desk study to consider contamination, landfill gas and geotechnical issues.

SITE DESCRIPTION

The site is an irregular shape, about 80 metres by 80 metres, located to the south of Halifax Road in Liversedge and centred on national grid reference: 418620, 423960.

The site consists of partly demolished buildings, concrete surfaced yards and piles of rubble. The north of the site adjacent to Halifax Road was formerly a petrol filling station with underground fuel storage tanks. The buildings to the south were previously occupied by Parkham Foods.

The site and surrounding area generally slopes down gently to the south. The centre of the site has been made level, probably by cutting and filling.

The site is bordered by houses to the east and north west, with fields to the south.

#### TREES

There are trees along the east side, around the southwest corner and along the west side.

#### RIVERS AND STREAMS

Clough Beck flows east, 120 metres to the south.

#### PROPOSED DEVELOPMENT

It is proposed to build five blocks of apartments with associated access road, car parking and landscaped areas.

#### GEOLOGY OF SITE

The underlying solid rocks are indicated as sandstone beneath the north of the site and undefined strata, probably mudstone and shale, beneath the south, both in the Pennine Lower Coal Measures. The site is shown to be free of surface drift.

#### MINING

A Coal Authority mining report has been obtained, and a copy is enclosed with this report. The salient points are as follows:

- Workings are present in one seam of coal at 140 - 170 metres deep, last worked in 1906 and ground movement from the workings should by now have ceased.
- Coal is believed to exist close to the surface that may have been worked at some time in the past.
- No present or future planned coal mining.

The Wheatley Lime Seam outcrops close to the south boundary of the site and probably runs at shallow depth beneath the site. The Blocking (BK) coal seam and Middleton Main (MB) also runs under the site but at a depth of more than 30 metres.

#### LEGAL/COPYRIGHT

Material included in this report from Ordnance Survey (Licence No. AL100031635), Sitescope, Getmapping, the Coal Authority and others (if any) may be copyright and the usual restrictions apply. This report can only be relied upon if the invoice has

been paid promptly and in full. This report may be signed by an individual, but only on behalf of Worms Eye Geotechnical Limited.

GROUNDWATER  
VULNERABILITY

The solid rocks under the site are indicated as a minor aquifer. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers.

Surface soils are given the HU classification used for most urban sites, indicating soils of a high leaching potential.

SITE HISTORY

Date	On Site	Off Site
1854	Aquila House towards northwest corner of site with small houses in northeast corner and gardens in the southern half.	Halifax Road follows present course along the north boundary. Chapel immediately east. Clough Beck 120m south. Houses immediately west. Rayner's Mill (woollen) 90m west, reservoirs 140 and 220m west.
1894	Little relevant change.	Victoria Shed (drysaltory) 160m northwest.
1907	Little relevant change.	Victoria Shed now a dye works.
1922-1938	Little relevant change.	Little relevant change.
1958	Little relevant change.	Reservoir 140m west filled.
1977-1978	House demolished. Garage constructed towards northeast corner. Small building at middle of site. Works building at southeast corner.	Reservoir 220m west filled.
1993	Little relevant change.	Little relevant change.
2000	Building at southeast corner extended across the site.	Chapel to east demolished and houses constructed.
2004	Little relevant change.	Little relevant change.

Recently, the garage to the north and the majority of the large buildings to the south have also been demolished.

ENVIRONMENTAL  
DATA SEARCH

A Landmark Envirocheck report has been obtained for the site.  
The critical points are as follows:

Two nearby discharge consents for sewage effluent from domestic properties to a tributary of Spen River (probably Clough Beck), 84 and 86 metres east\*

IPC listing for non-asbestos mineral fibres, 173 metres west\*

IPPC listing for coating, printing and textiles, 203 metres northwest\*

Local Authority air pollution control for Hightown Service Station, on site

Nearest pollution incident is 147 metres southwest\*

Nearest water abstraction point is 342 metres west, abstraction of groundwater from a borehole for general industrial use

Natural subsidence hazards shown as low or no hazard

Radon protection measures are not required

Two trade directory entries within 200 metres, both for the former petrol station on site, also listed as a fuel station entry

Area of adopted green belt immediately south of the site\*

The site is within a nitrate vulnerable zone\*

\* not relevant due to distance/severity/significance.

The report indicated none of the following within 250 metres:

- Contaminated land register entries.
- Water abstraction points.
- Source protection zones.
- Areas of flooding from rivers.
- Landfill or other waste sites.
- Hazardous substances sites.

## DISCUSSION

### Contamination

The north of the site formerly housed a filling station and car repair garage that was constructed in the 1970's. This area of the site has previously been investigated by others. The general slope in the area is to the south and there is the potential for contaminants from the filling station, i.e. fuel, to have migrated down the hydraulic gradient, spreading further around the site.

A further building at the southeast corner, also constructed in the 1970's, was extended across the site at a later date and was most recently occupied by Parkham Foods. It is not expected that contamination will be extensive, and it is expected that the floor slab and surrounding concrete in the yard areas will have acted to further limit the levels of contaminants reaching the surface soils.

There are no nearby industries that would affect the site and no pollution incidents on or close to the site.

The proposed development will be apartments with landscaped areas, this will allow householders direct contact with the surface soils.

### Groundwater/Rivers

There is an underlying minor aquifer beneath little or no surface soils and Clough Beck is 120 metres south.

The majority of the site will be hardsurfaced on completion and the landscaped areas will allow limited opportunity for rainwater to pass through the surface soils and leach out contaminants that may migrate to the underlying aquifer/beck.

It is expected that rock will be encountered at shallow depth, this would present only a short pathway for contaminants to migrate over to the aquifer.

It is not anticipated that there will be a risk to the beck.

Landfill Gas

There are two filled reservoirs within 250 metres of the site and there is the potential for landfill gases to be generated in these areas that could migrate to the site.

Radon

Radon protection measures are not required.

Coal Mining

There may be shallow, possibly worked coal seams below the site.

Flooding

No flooding.

Foundations

It is expected that rock will be present at shallow depth.

INDUSTRY PROFILE

The site has housed a petrol filling station/service station and food works although the exact use is not known.

Industry	Possible Contaminants
Petrol filling station	Fuel: petrol, diesel, MTBE Polycyclic Aromatic Hydrocarbons (PAH)
Garage services	Metals: e.g. lead, chromium, copper etc. Volatile organic compounds (VOCs) Semi-volatile organic compounds (SVOCs) Fuel: petrol, diesel, MTBE PAH Asbestos
Parkham Foods (general industrial use)	Metals: e.g. lead, chromium, copper etc. Fuel: petrol, diesel, MTBE PAH Asbestos

CONCEPTUAL MODEL

A conceptual model, based on the source-pathway-receptor concept, is included with this desk study to show the potential pollutant linkages with this site.

Source	Receptors	Pathway	Pollutant Linkage Likely
Asbestos	Construction workers and end-users	Inhalation	Yes
Inorganic contaminants: e.g. Arsenic	Construction workers	Short-term direct contact, inhalation of dust, ingestion	Yes
	Householders	Direct contact, ingestion, inhalation of dust	Yes
	Service pipes	Seeping into drinking water pipes	Yes
	Groundwater	Leaching towards	Possible
	River/stream	Leaching towards	Unlikely
Sulphate	Building fabric	Concrete directly in contact with soil	Yes
Hydrocarbons e.g. benzo(a)pyrene, fuel	Construction workers	Short-term direct contact, inhalation of dust, ingestion	Yes
	Householders	Direct contact, ingestion, inhalation of dust	Yes
	Service pipes	Seeping into drinking water pipes	Yes
	Groundwater	Migrating towards	Possible
	River/stream	Migrating/leaching towards	Unlikely
Hydrocarbon vapours e.g. naphthalene (PAH), fuel e.g. petrol	Construction workers	Short-term inhalation	Yes
	Householders	Inhalation of vapours indoors and outdoors	Yes
Landfill gas	End-users in buildings	Seeping into buildings, explosion, asphyxiation	Yes

## CONCLUSION

### Contamination

It is likely that contamination will be present on the site and an intrusive investigation is required, consisting of boreholes, trial holes, and tests to confirm the presence and extent of contamination on the site.

### Groundwater/Rivers

If high levels of contaminants are revealed in the soil tests, leachate tests may be required on those samples to determine the likelihood of the contaminants migrating towards the aquifer/beck.

### Landfill Gas

A landfill gas-testing programme is required.

### Radon

Radon protection measures are not required.

### Coal Mining

A series of rotary boreholes are required to check for potential shallow mineworkings.

### Flooding

No further action is required.

### Foundations

A series of boreholes are required in the area of the proposed building to allow the most suitable foundations to be designed.

Yours faithfully,  
on behalf of Worms Eye Geotechnical Ltd.,

Graham Cannon  
BSc MICE FGS  
Chartered Engineer

**HALIFAX ROAD, LIVERSEDGE, WEST YORKSHIRE, WF15 8DU**

**List of Appendices – Desk Study**

**Existing site plan**

**Proposed site plan**

**Coal mining report**

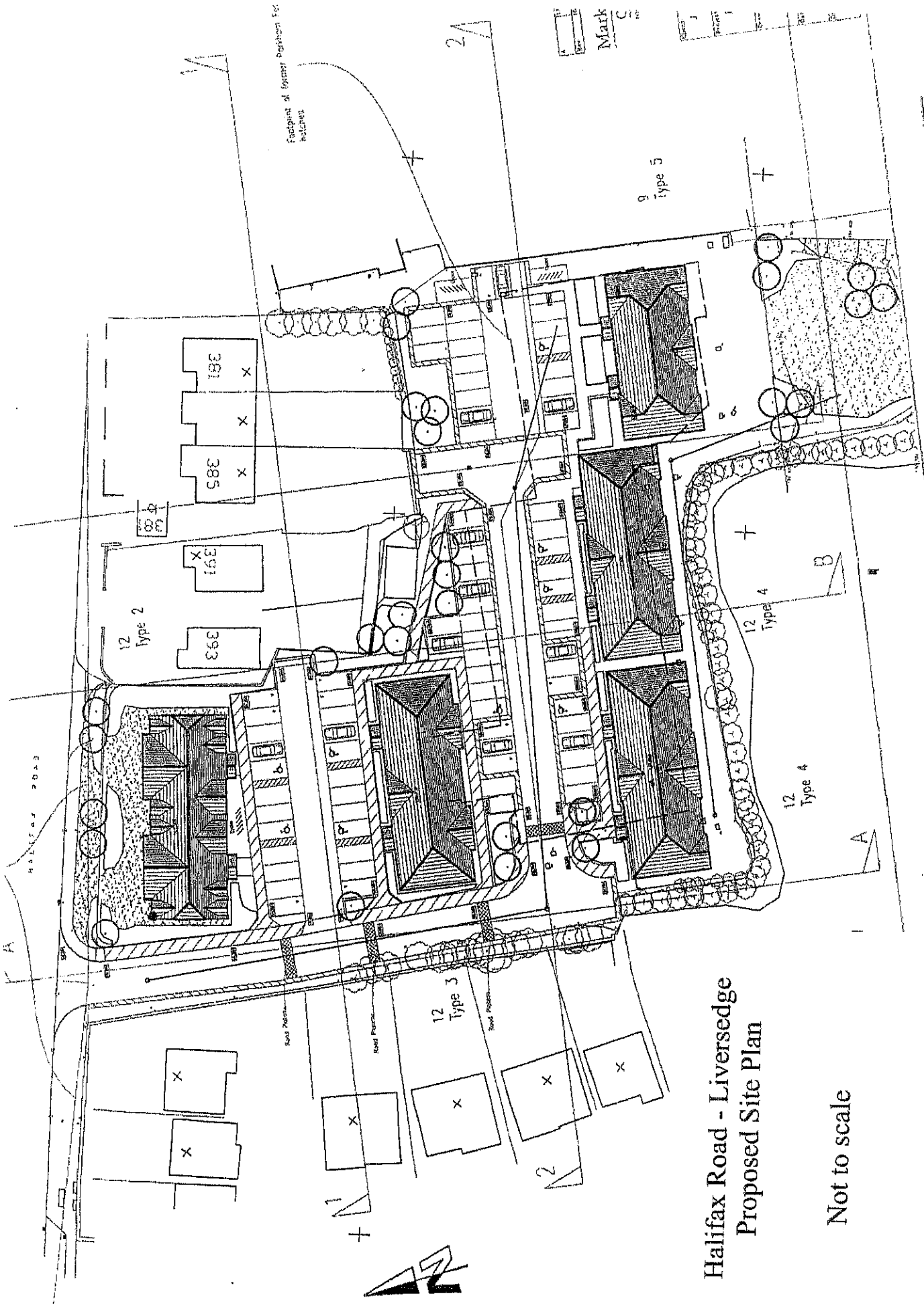
**Historical maps**

**Landmark Envirocheck report**

**Landmark summary map**

**Conceptual model**





Halifax Road - Liversedge  
Proposed Site Plan

Not to scale

Figure 2

Issued by:

The Coal Authority, Mining Reports Office, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire NG18 4RG  
 On-Line Service: [www.coalminingreports.co.uk](http://www.coalminingreports.co.uk) - Phone: 0845 762 6848 - DX 716176 MANSFIELD 5

DAVID LORD,  
 WORMS EYE GEOTECHNICAL LTD,  
 CANNON HOUSE,  
 52 BANK PARADE,  
 BURNLEY,  
 LANCASHIRE,  
 BB11 1TS

Person dealing with this matter: **Darren Moody**  
 Our reference: **00082992-06**  
 Your reference:  
 Electronic Ref: **EME\_00005900470001\_005**  
 RRUID: **005.00005900470001**  
 Date of your enquiry: **15 December 2006**  
 Date we received your enquiry: **15 December 2006**  
 Date of issue: **19 December 2006**

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

## Coal and Brine Report

**Land To South Of, 385 Halifax Road, Hightown, Liversedge, West Yorkshire**

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

Coal mining	Yes
Brine extraction	No

### *Information from the Coal Authority*

#### Underground Coal Mining

##### **Past**

The property is in the likely zone of influence from workings in 1 seam of coal at 140m to 170m depth, and last worked in 1906.

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

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

##### **Present**

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

##### **Future**

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

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

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

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

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

### **Mine entries**

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

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

### **Coal-mining geology**

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

### **Opencast Coal Mining**

#### **Past**

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

#### **Present**

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

#### **Future**

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

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

### **Coal-mining subsidence**

The Coal Authority has not received a damage notice or claim for the property since 1 January 1984. There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority has not received a request to carry out preventive work before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

### **Mine gas**

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

### **Hazards related to coal mining**

The property has not been subject to remedial works, by or on behalf of the Authority, following the reporting of an alleged coal mining related hazard under its Emergency Surface Hazard Call Out procedures.

### **Withdrawal of Support**

The property is not in an area for which a notice of entitlement to withdraw support has been published.

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

### **Working Facilities Orders**

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

### **Payments to Owners of Former Copyhold Land**

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

### **Comments on Coal Authority information**

Where development proposals are being considered, technical advice should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority.

### **Information from the Cheshire Brine Subsidence Compensation Board**

The property lies outside the Cheshire Brine Compensation District.

### **Additional remarks**

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

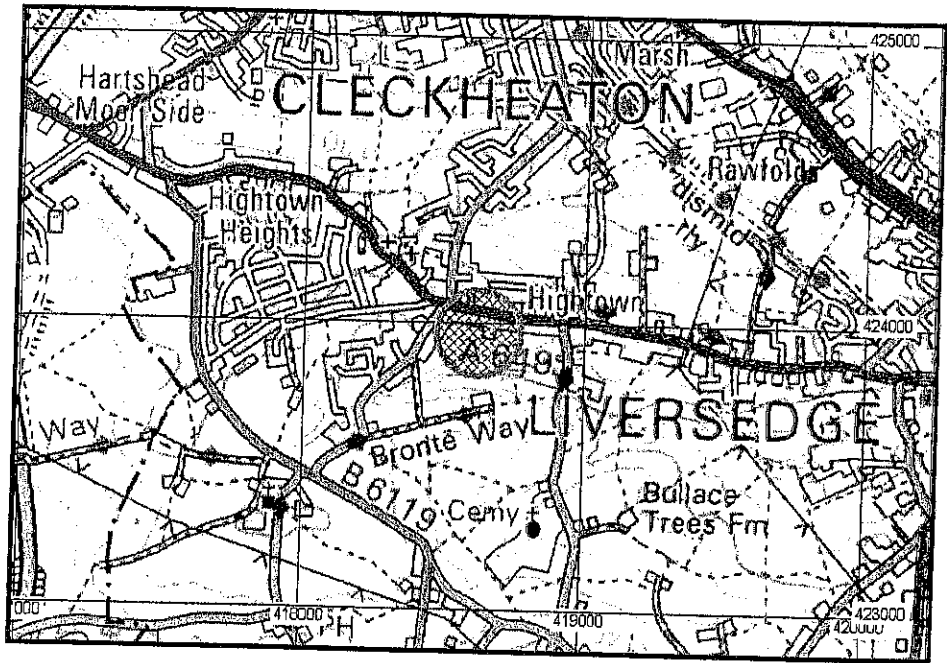
The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our database right. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

Issued by:	The Coal Authority, 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG
Date:	19 Dec 2006
Ground stability report at:	Land To South Of, 385 Halifax Road, Hightown, Liversedge, West Yorkshire
Reference number:	00082992-06
Cost:	£42.58
Plus VAT:	£7.44
Total received:	£50.00
VAT registration number:	598 5850 68

Location map



Approximate position of property

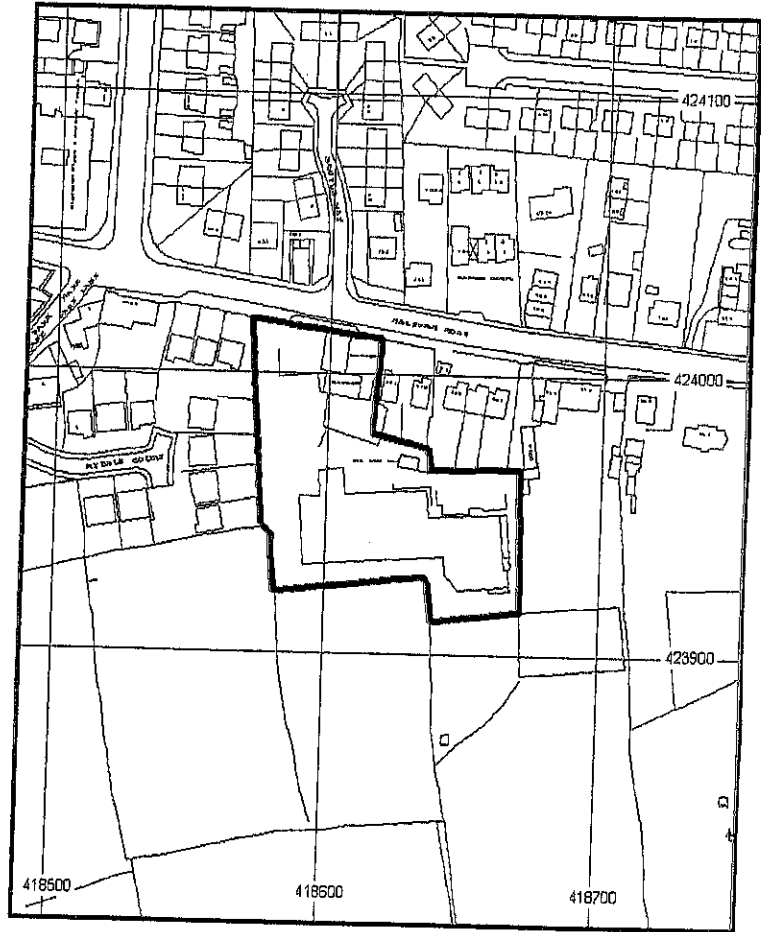


**Enquiry boundary**

These maps are reproduced from Ordnance Survey material with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. The Coal Authority. Licence number: 100020315. [2006]

Key

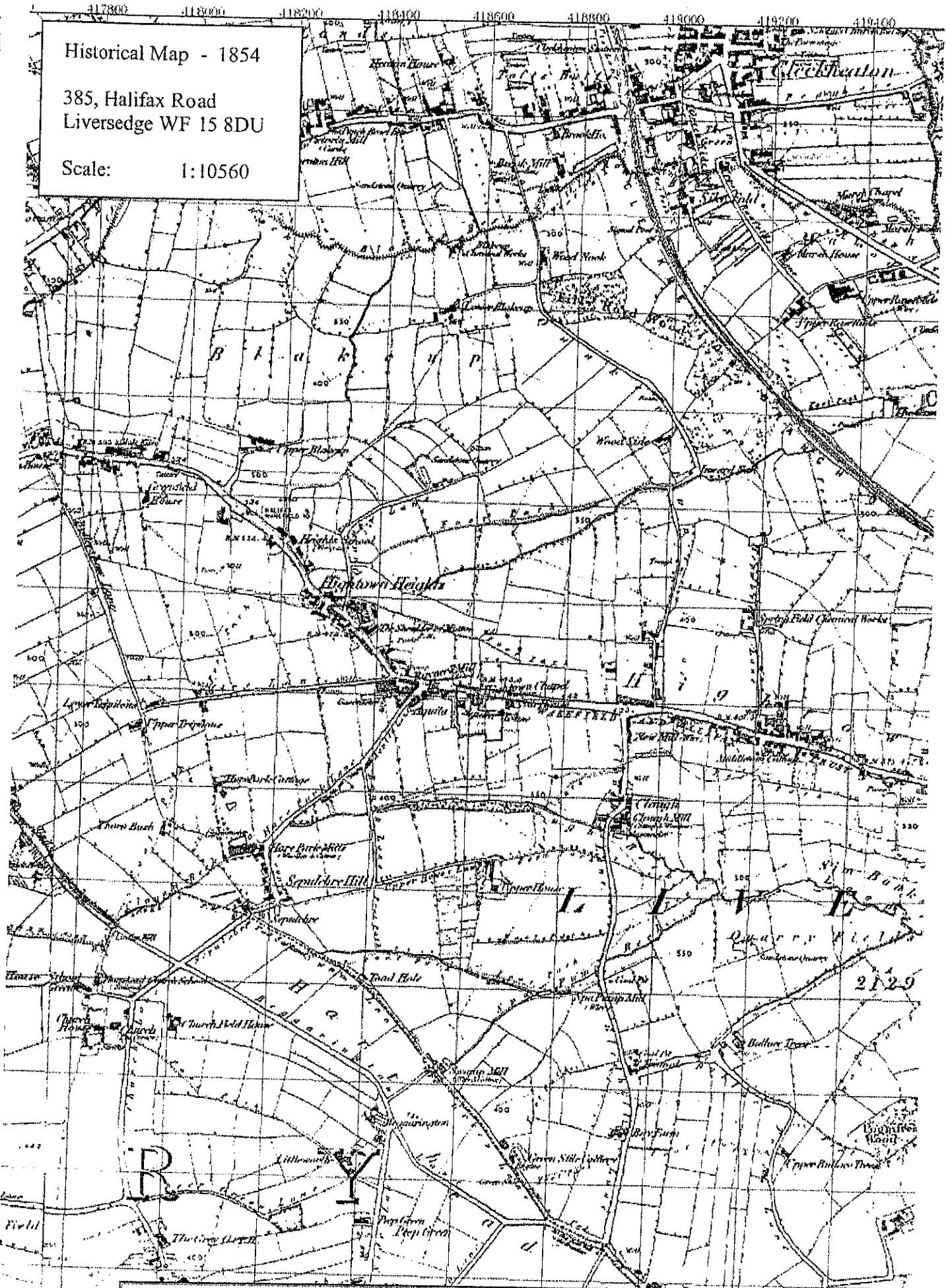
Approximate position of enquiry boundary shown



Historical Map - 1854

385, Halifax Road  
Liversedge WF 15 8DU

Scale: 1:10560



County, YORKSHIRE Envirocheck Ref:424278511 Date:1854 Survey Scale: 1:10560  
(c) Crown Copyright and Landmark Information Group Limited 2004. All rights reserved.

Robert Tom

410000

410000

410000

410000

410000

Historical Map - 1894

385, Halifax Road  
Liversedge WF 15 8DU

Scale: 1: 2500

st Chapel  
United

267  
1.731

246  
3.524

269  
3.157

270  
2.423

271  
2.654

317  
2.200

310  
3.170

314  
1.978

Shoulder of Mutton Inn  
320 .760  
319 .583

318  
1.363

Aquila

School

330  
1.398

315  
4.304

Sunday School  
a.m. 4.03-4

340  
.616

341  
.305

Clover Farm

Grange View  
342  
1.476

Mill

337  
1.084

Aquila House  
338  
1.092

Chapel

Site House

380  
1.988

387  
.651

388  
1.425

386  
1.835

385  
2.260

384  
1.142

H i

392  
2.517

391  
1.834

390  
1.204

409  
1.820

410  
1.744

411  
3.179

393  
2.332

404  
.852

405  
.216

406  
.216

407  
1.506

408  
1.125

455  
3.252

464  
2.566

463  
3.933

452  
1.890

58  
186

451  
4.201

Upper House Lane

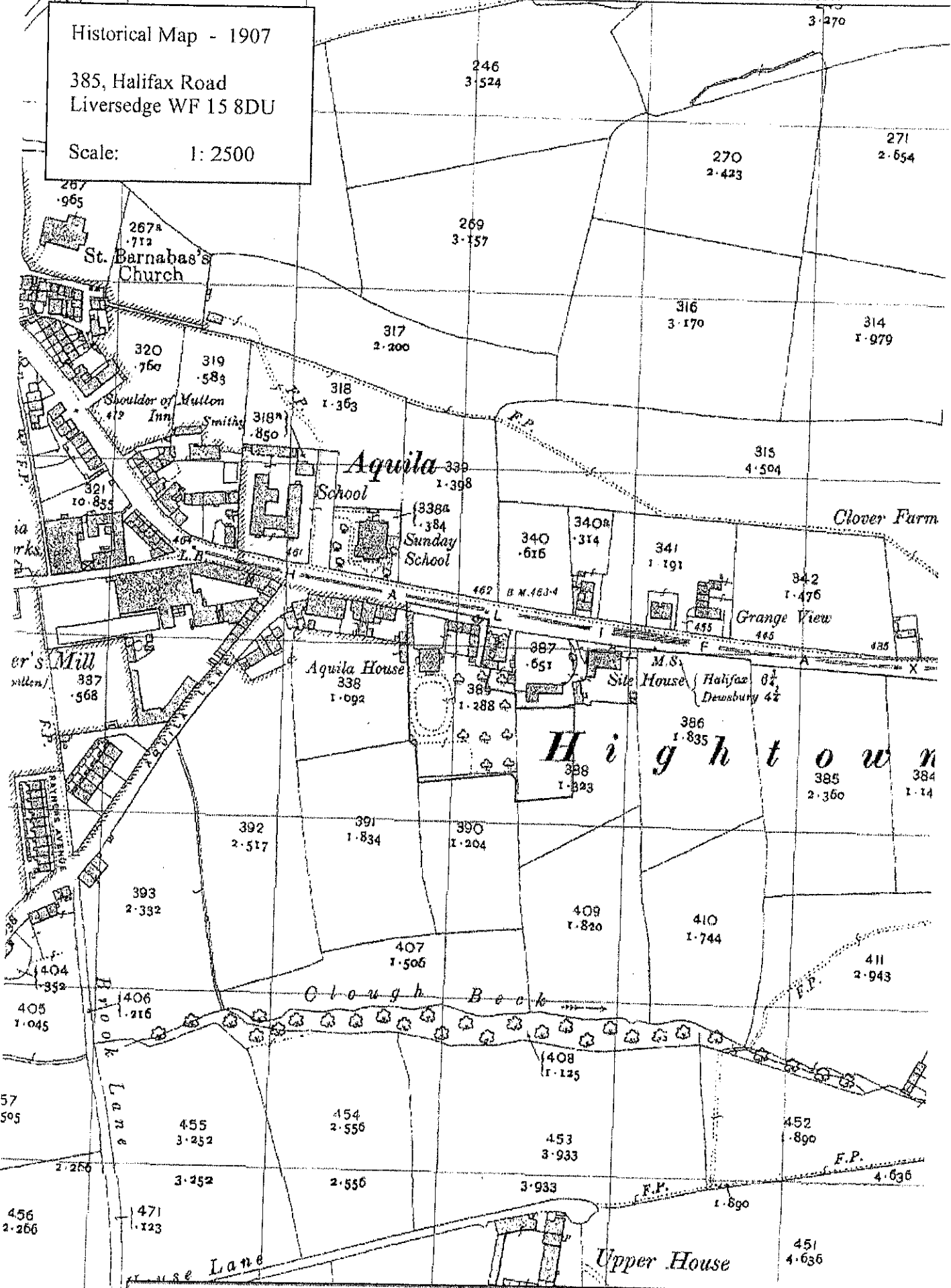
Upper House

476

County: YORKSHIRE Embsrocheck Ref: 424276511 Date: 1893-1894 Survey Scale: 1:2500  
(c) Crown Copyright and Landmark Information Group Limited 2004. All rights reserved.

418400 418500 418600 418700 418800

Historical Map - 1907  
385, Halifax Road  
Liversedge WF 15 8DU  
Scale: 1:2500



County: YORKSHIRE Environment Ref: 24278511 Date: 1907 Survey Scale: 1:2500  
(c) Crown Copyright and Landmark Information Group Limited 2004. All rights reserved.

REDS

418400

418500

418600

418700

418800

Historical Map - 1922

385, Halifax Road  
Liversedge WF 15 8DU

Scale: 1:2500

246  
3'524

270  
2'421

271  
2'654

269  
3'157

317  
2'300

316  
3'170

314  
1'979

267  
0'53

St Barnabas's Church  
267  
622  
Vicarage

320  
690

319  
645

318  
1'363

318a  
850

339  
1'398

315  
4'504

321  
11'030

321a  
147

338a  
1'384

Aquila  
Bundau School

School

340  
616

340a  
328

341  
1'177

342  
1'476

Cloude Farm

Rayner's Mill  
(Woolen)  
337  
568

Aquila House  
338  
1'092

338a  
1'288

339  
1'288

337  
651

338  
1'523

336  
1'835

335  
2'360

334  
1'142

332  
2'511

331  
1'834

330  
1'204

409  
1'820

410  
1'770

407  
1'506

408  
1'364

406  
2'116

405  
2'332

404  
610

403  
813

455  
3'252

454  
2'372

453  
1'933

452  
1'890

451  
4'636

471  
1'123

3'252

2'372

3'933

1'890

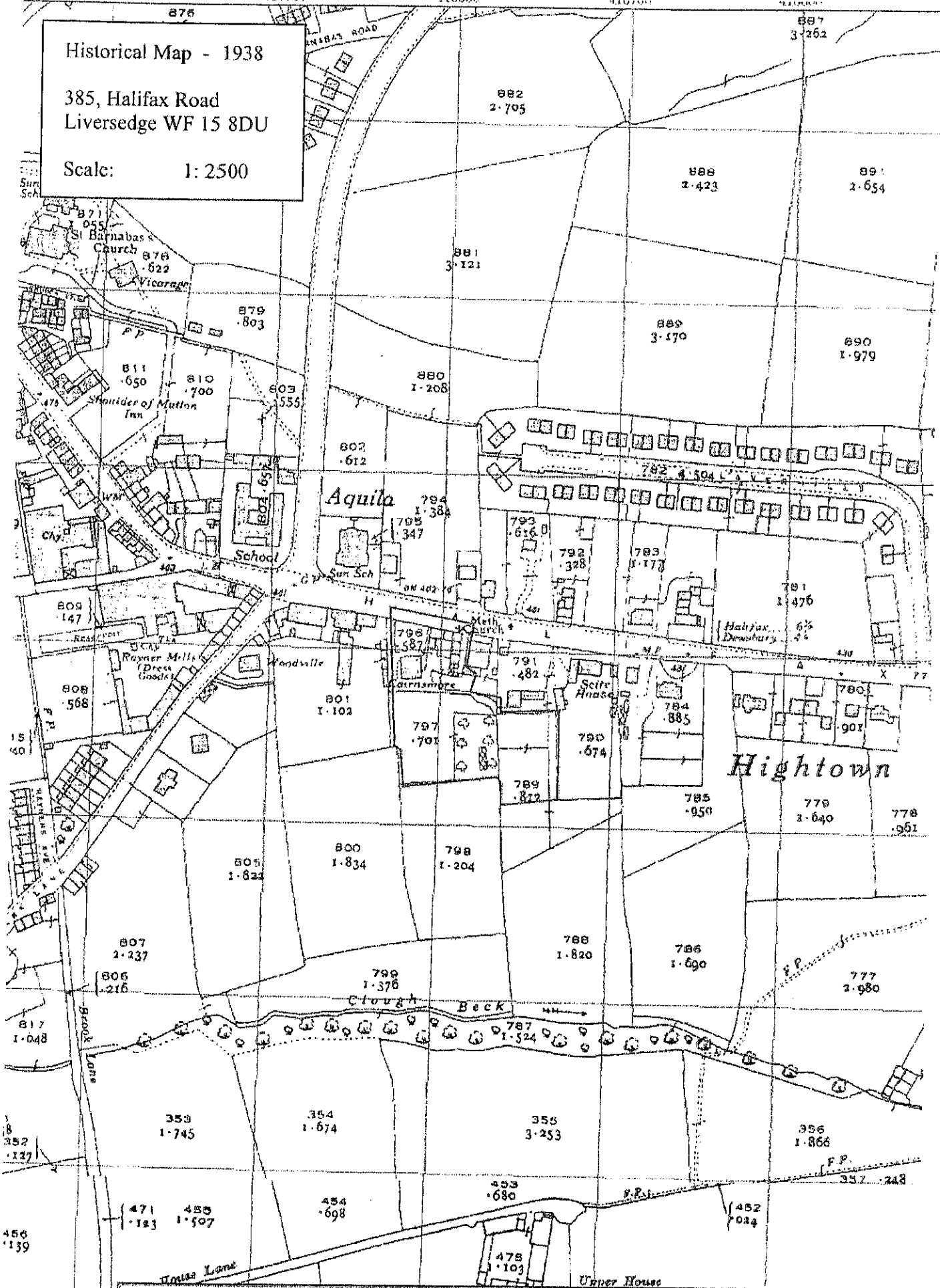
4'636

4'636

Upper House

Hightown

Historical Map - 1938  
 385, Halifax Road  
 Liversedge WF 15 8DU  
 Scale: 1: 2500



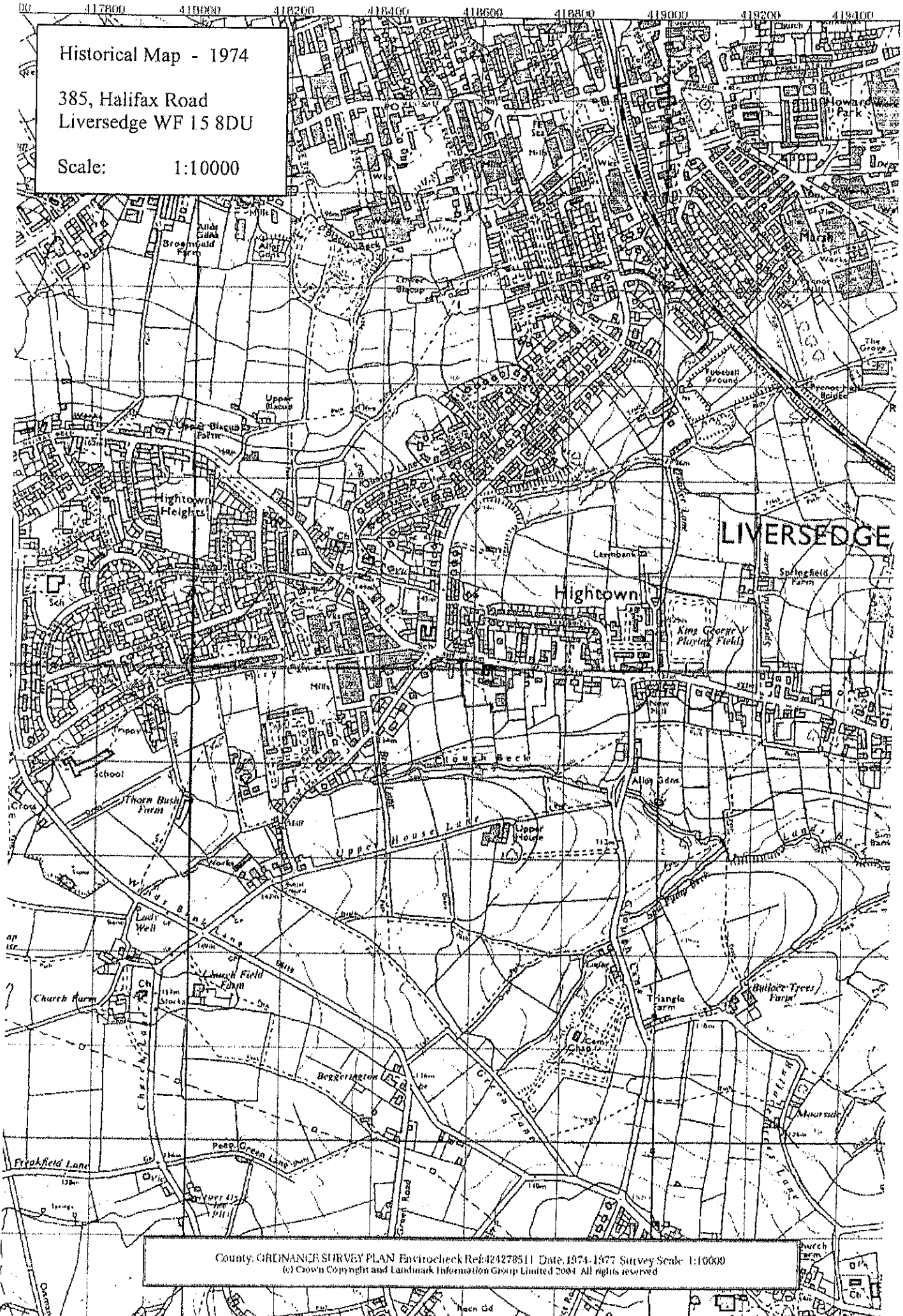
County: YORKSHIRE Environment Ref: 424276311 Date: 1933-1938 Survey Scale: 1:2500  
 (c) Crown Copyright and Landmark Information Group Limited 2004. All rights reserved.



Historical Map - 1974

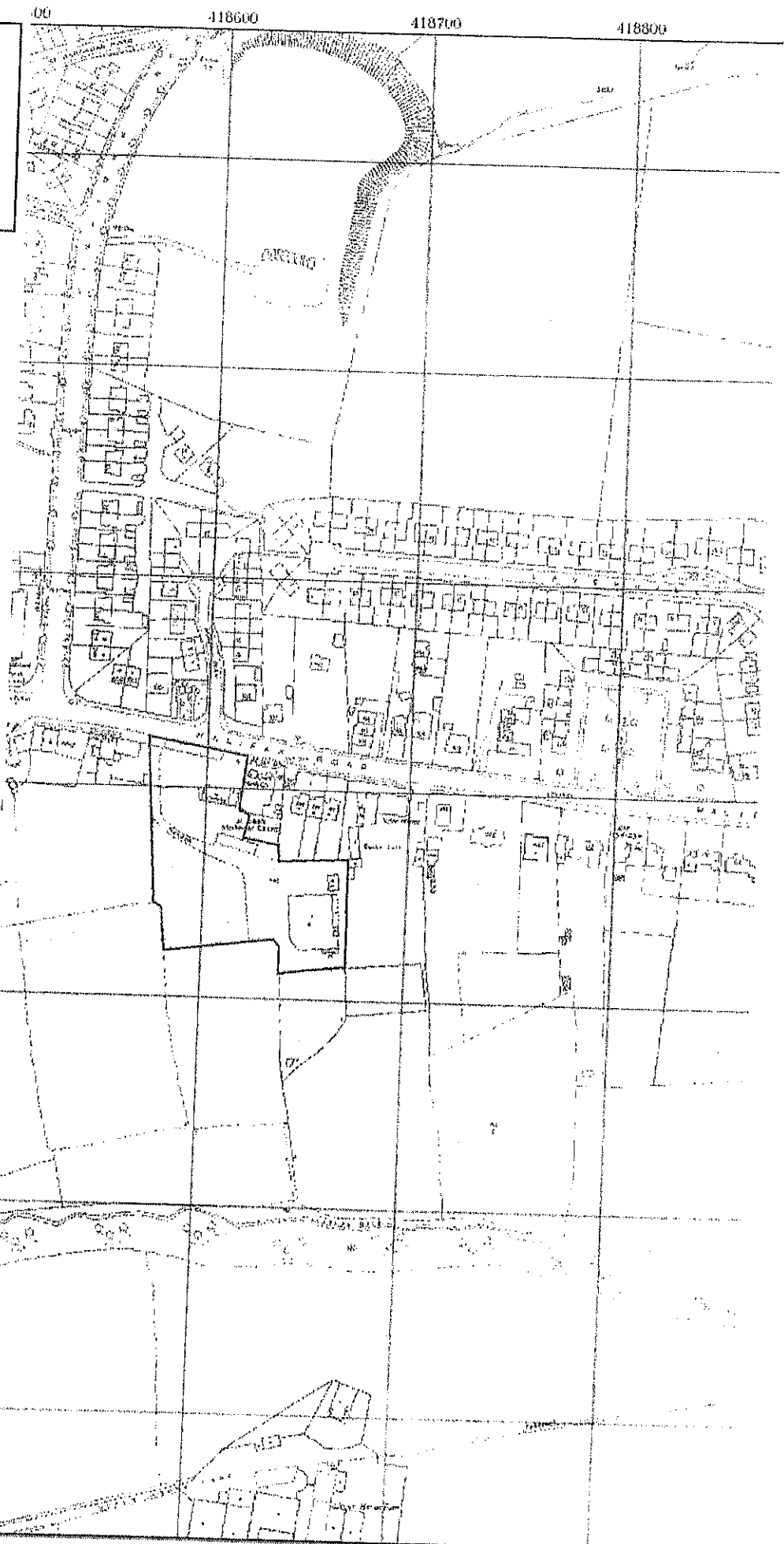
385, Halifax Road  
Liversedge WF 15 8DU

Scale: 1:10000



County: WEST YORKSHIRE  
ORDNANCE SURVEY PLAN Erection Ref: 424278511 Date: 1974-1977 Survey Scale: 1:10000  
(c) Crown Copyright and Landmark Information Group Limited 2004 All rights reserved

Historical Map - 1978  
385, Halifax Road  
Liversedge WF 15 8DU  
Scale: 1: 2500



County: ORDNANCE SURVEY PLAN Envirocheck Ref:424278511 Date:1977, 1997 Survey Scale: 1:1250  
© Crown Copyright and Landmark Information Group Limited 2004 All rights reserved

418400

418500

418600

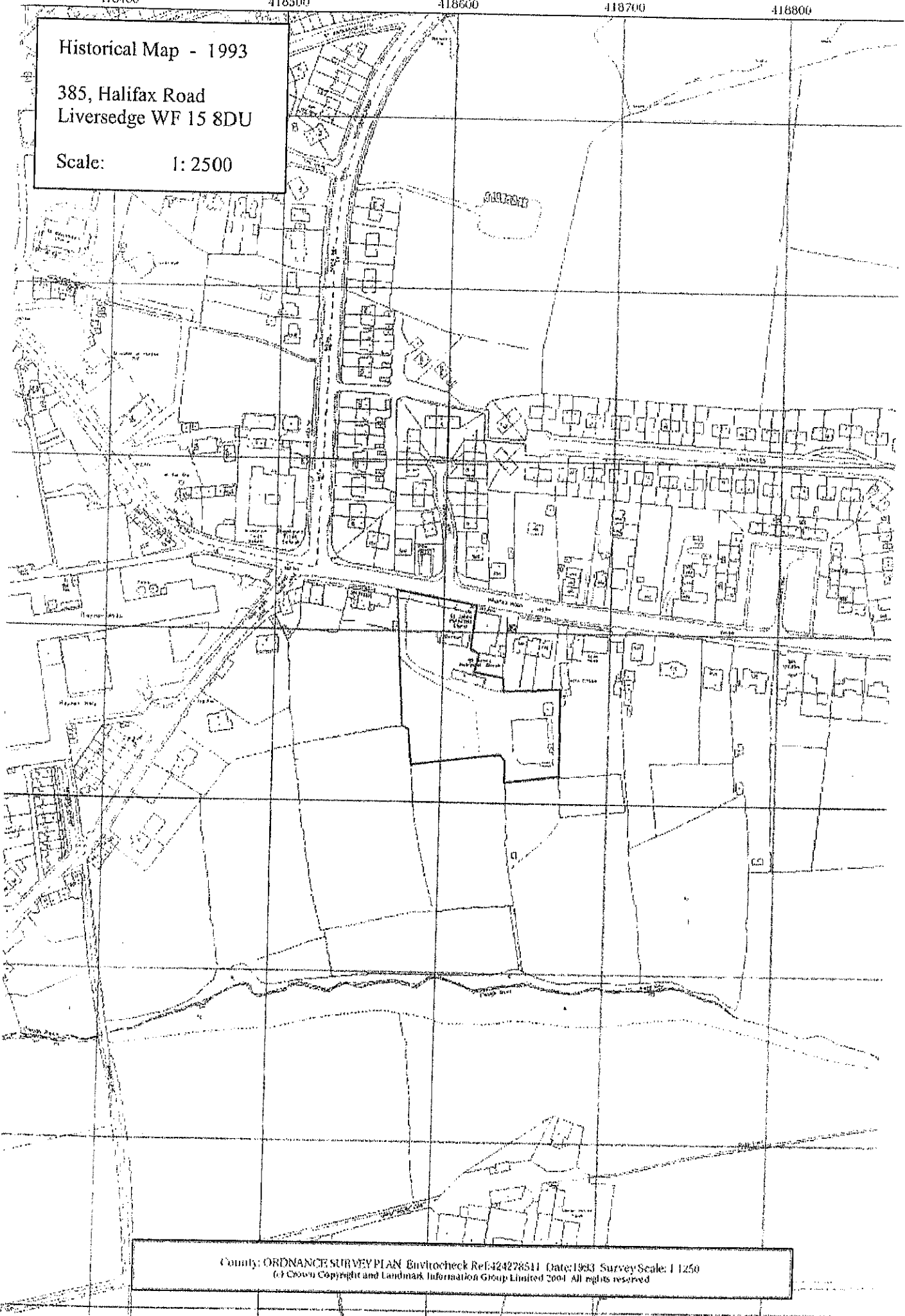
418700

418800

Historical Map - 1993

385, Halifax Road  
Liversedge WF 15 8DU

Scale: 1:2500



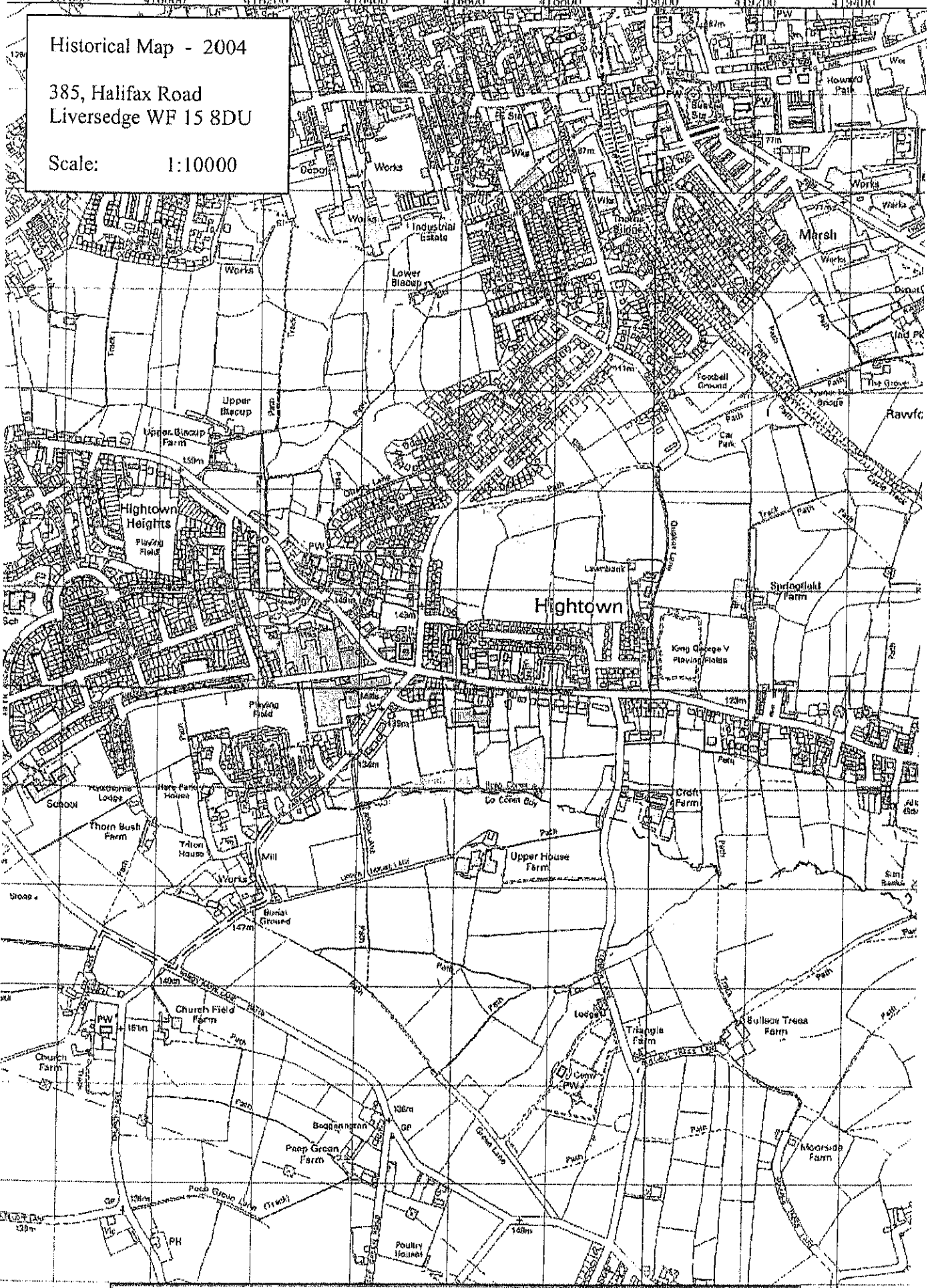
County: ORDNANCE SURVEY PLAN Envirocheck Ref:424278511 Date:1993 Survey Scale: 1:2500  
© Crown Copyright and Landmark Information Group Limited 2004 All rights reserved

417800 418000 418200 418400 418600 418800 419000 419200 419400

# Historical Map - 2004

385, Halifax Road  
Liversedge WF 15 8DU

Scale: 1:10000



County ORDNANCE SURVEY PLAN Envirocheck Ref: 424278511 Date: 2004 Survey Scale: 1:10000  
 © Crown Copyright. All rights reserved. Licence number 000020245

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

### Order Details:

Order Number:  
20714185\_1\_1

Customer Reference:  
WF15 8DU

National Grid Reference:  
418620, 423960

Sheet:  
A

Site Area (Ha):  
0.68

Search Buffer (m):  
500

### Site Details:

385, Halifax Road  
Liversedge  
WF15 8DU

### Client Details:

D Lord  
Worms Eye Geotechnical Ltd  
Cannon House  
52 Bank Parade  
Burnley  
Lancashire  
BB11 1TS

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	13
Hazardous Substances	-
Geological	14
Industrial Land Use	16
Sensitive Land Use	17
Data Currency	18
Data Suppliers	22
Useful Contacts	23

#### 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.

#### Copyright Notice

The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency and Natural England, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. A copy of Landmark's Terms and Conditions can be found with the Index Map for this report. Additional copies of the Report may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report. © Landmark Information Group Limited 2006.

#### Natural England Copyright Notice

Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, Natural England who retain the copyright and intellectual Property Rights for the data.

#### Ove Arup Copyright Notice

The Data provided in this report was obtained on Licence from Ove Arup & Partners Limited (for further information, contact [mining.review@arup.com](mailto:mining.review@arup.com)). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The information and data supplied in the product are derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

#### Peter Brett Associates Copyright Notice

The cavity data presented has been extracted from the PBA enhanced version of the original DEFRA national cavity databases. PBA/DEFRA retain the copyright & intellectual property rights in the data. Whilst all reasonable efforts are made to check that the information contained in the cavity databases is accurate we do not warrant that the data is complete or error free. The information is based upon our own researches and those collated from a number of external sources and is continually being augmented and updated by PBA. In no event shall PBA/DEFRA or Landmark be liable for any loss or damage including, without limitation, indirect or consequential loss or damage arising from the use of this data.

Report Version v25.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
<b>Agency &amp; Hydrological</b>				
Contaminated Land Register Entries and Notices				
Discharge Consents	pg 1		3	
Enforcement and Prohibition Notices				
Integrated Pollution Controls	pg 1		1	
Integrated Pollution Prevention And Control	pg 1		5	
Local Authority Integrated Pollution Prevention And Control				
Local Authority Pollution Prevention and Controls	pg 2	1		
Local Authority Pollution Prevention and Control Enforcements				
Nearest Surface Water Feature	pg 2		Yes	
Pollution Incidents to Controlled Waters	pg 3		10	37
Prosecutions Relating to Authorised Processes				
Prosecutions Relating to Controlled Waters				
Registered Radioactive Substances				
River Quality				
River Quality Biology Sampling Points				
River Quality Chemistry Sampling Points				
Substantiated Pollution Incident Register	pg 11			2
Water Abstractions	pg 11			3
Water Industry Act Referrals				
Groundwater Vulnerability	pg 12	Yes	n/a	n/a
Source Protection Zones				
Extreme Flooding from Rivers or Sea without Defences				n/a
Flooding from Rivers or Sea without Defences				n/a
Areas Benefiting from Flood Defences				n/a
Flood Water Storage Areas				n/a
Flood Defences				n/a
<b>Waste</b>				
BGS Recorded Landfill Sites				
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				
Registered Waste Transfer Sites				
Registered Waste Treatment or Disposal Sites				

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
<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				
BGS 1:625,000 Solid Geology	pg 14	Yes	n/a	n/a
Brine Compensation Areas			n/a	n/a
Coal Mining Affected Areas	pg 14	Yes	n/a	n/a
Mining Instability	pg 14	Yes	n/a	n/a
Natural and Mining Cavities			n/a	n/a
Potential for Collapsible Ground Stability Hazards				n/a
Potential for Compressible Ground Stability Hazards	pg 14		Yes	n/a
Potential for Ground Dissolution Stability Hazards				n/a
Potential for Landslide Ground Stability Hazards	pg 14	Yes	Yes	n/a
Potential for Running Sand Ground Stability Hazards	pg 14		Yes	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 15	Yes	Yes	n/a
Radon Affected Areas			n/a	n/a
Radon Protection Measures			n/a	n/a
Shallow Mining Hazards		Yes		n/a
<b>Industrial Land Use</b>				
Contemporary Trade Directory Entries	pg 16	2	2	n/a
Fuel Station Entries	pg 16		1	

## Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m (*up to 1000m)
<b>Sensitive Land Use</b>				
Areas of Adopted Green Belt	pg 17	1		
Areas of Unadopted Green Belt				
Areas of Outstanding Natural Beauty				
Environmentally Sensitive Areas				
Forest Parks				
Local Nature Reserves				
Marine Nature Reserves				
National Nature Reserves				
National Parks				
Nitrate Sensitive Areas				
Nitrate Vulnerable Zones	pg 17	1		
Ramsar Sites				
Sites of Special Scientific Interest				
Special Areas of Conservation				
Special Protection Areas				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<b>Discharge Consents</b> Operator: The Occupier(s) Property Type: Domestic Property (Multiple) Location: 21-29 Quaker Lane, Hightown, LIVERSEEDGE, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Aire And Calder Navigation Reference: 2777 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Spen To Calder Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (E)	84	1	418750 423995
1	<b>Discharge Consents</b> Operator: 28 Quaker Lane Property Type: Undefined Or Other Location: 28 Quaker Lane, Hightown, Liversedge, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: 650 Permit Version: 1 Effective Date: 14th January 1957 Issued Date: 14th January 1957 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of Spen River Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A13NE (E)	86	1	418750 424000
2	<b>Discharge Consents</b> Operator: Upper House Farm Property Type: Undefined Or Other Location: Proposed Bungalow At Upper House Fm Clough Lane, Hightown, Liversedge, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: 2769 Permit Version: 1 Effective Date: 16th September 1971 Issued Date: 16th September 1971 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Clough Brook To River Calder Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961 Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	185	1	418750 423750
3	<b>Integrated Pollution Controls</b> Name: Owens-Corning Veil UK Ltd Location: P O Box 30, Wakefield Road, LIVERSEEDGE, West Yorkshira, WF15 8AA Authority: Environment Agency, North East Region Permit Reference: AH5612 Dated: 14th January 1993 Process Type: Application since found to be exempt from IPC Description: 3.3 A Mineral Fibres (non-Asbestos) within the Mineral Industry Status: Application since found to be exempt from IPC Exempt Positional Accuracy: Unknown	A13NW (W)	173	1	418400 424000
4	<b>Integrated Pollution Prevention And Control</b> Name: Harrison Gardner And Co Ltd Location: Victoria Dyeworks, Hightown,, LIVERSEEDGE, West Yorkshire, WF15 8HS Authority: Environment Agency, North East Region Permit Reference: Kp3234sp Original Permit Ref: Br5086iv Effective Date: Not Supplied Status: Application refused Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A13NW (NW)	203	1	418380 424088

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<b>Integrated Pollution Prevention And Control</b> Name: Harrison Gardner And Co Ltd Location: Victoria Dyeworks, Hightown, Liversedge, West Yorkshire, WF15 8HS Authority: Environment Agency, North East Region Permit Reference: Bu9254iq Original Permit Ref: Br5086iv Effective Date: 2nd July 2003 Status: <b>Effective</b> Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A13NW (NW)	203	1	418380 424088
4	<b>Integrated Pollution Prevention And Control</b> Name: Harrison Gardner And Co Ltd Location: Victoria Dyeworks, Hightown, Liversedge, West Yorkshire, WF15 8HS Authority: Environment Agency, North East Region Permit Reference: Br5086iv Original Permit Ref: Br5086iv Effective Date: 13th January 2003 Status: <b>Superseded By Variation</b> Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Y	A13NW (NW)	203	1	418380 424088
4	<b>Integrated Pollution Prevention And Control</b> Name: Harrison Gardner And Co Ltd Location: Victoria Dyeworks, Halifax Road, Hightown, Liversedge, West Yorkshire, Wf15 8hs Authority: Environment Agency, North East Region Permit Reference: Br5086 Original Permit Ref: Br5086 Effective Date: 13th January 2003 Status: <b>Superseded By Variation</b> Application Type: PPC APPLICATION App. Sub Type: Not Supplied Positional Accuracy: Manually positioned to the address or location Activity Code: 6.4 A(1) (B) Activity Description: Coating, Printing And Textiles; Pre-Treating By Washing Etc. Greater Than 10T/Day Primary Activity: Not Supplied	A13NW (NW)	227	1	418351 424076
5	<b>Integrated Pollution Prevention And Control</b> Name: Owens Corning Veil Uk Ltd Location: Rayners Mills, Halifax Road, Liversedge, West Yorkshire, WF15 8AA Authority: Environment Agency, North East Region Permit Reference: B11576it Original Permit Ref: B11576it Effective Date: 4th April 2003 Status: <b>Effective</b> Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 3.3 A(1) (A) Activity Description: Glass And Glass Fibre; Glass Fibre Manufacture Primary Activity: Y	A13NW (W)	229	1	418344 423993
6	<b>Local Authority Pollution Prevention and Controls</b> Name: Hightown Service Station Ltd Location: 395 Halifax Road, Hightown, LIVERSEEDGE, West Yorkshire, WF15 8DU Authority: Kirklees Metropolitan Borough Council, Environmental Health Department Permit Reference: Epa E 127 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: <b>Not Supplied</b> Positional Accuracy: Manually positioned to the address or location	A13NW (N)	0	2	418609 423998
	<b>Nearest Surface Water Feature</b>	A13SW (S)	118	-	418601 423799

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Clough Beck Off Hare Park Lane, HIGHTOWN Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: Watercourse :Spen Beck/Dean Beck; From Upstream Spenborough To River Calder Incident Date: Not Supplied Incident Reference: SL980405 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	147	1	418500 423800
8	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial: Other Location: Owens Corning, Hightown, LIVERSEDGE Authority: Environment Agency, North East Region Pollutant: Other Chemicals Note: Spen Beck/Dean Beck; No Pollution Found; No Fish Killed Incident Date: Not Supplied Incident Reference: SL981098 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	173	1	418400 424000
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Clough Beck, LIVERSEDGE Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: Watercourse :Spen Beck/Dean Beck; From Upstream Spenborough To River Calder Incident Date: Not Supplied Incident Reference: SL980150 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	180	1	418450 423800
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Hare Park Lane Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Spen Beck/Dean Beck; No Fish Killed Incident Date: 13th September 1998 Incident Reference: SL980805 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	218	1	418405 423795
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Gomersal/Source Spen Afu Authority: Environment Agency, North East Region Pollutant: Chemicals - Paints / Dyes Note: Not Supplied Incident Date: 10th March 1994 Incident Reference: 150172 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	219	1	418400 423800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial: Other Location: Tributary Of Clough Beck, LIVERSEEDGE Authority: Environment Agency, North East Region Pollutant: Chemicals - Unknown Note: No Fish Killed Incident Date: 17th March 1997 Incident Reference: SL970249 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	222	1	418400 423795
10	<b>Pollution Incidents to Controlled Waters</b> Property Type: Chemical Industry Location: Hare Park Lane, Clough Beck Authority: Environment Agency, North East Region Pollutant: Other Chemicals Note: Watercourse :Spen Beck/Dean Beck; From Upstream Spenborough To River Calder Incident Date: 14th January 1998 Incident Reference: SL980049 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	182	1	418400 423900
11	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Clough Beck, River Spen Beck, LIVERSEEDGE Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: Watercourse :Spen Beck/Dean Beck; From Upstream Spenborough To River Calder Incident Date: Not Supplied Incident Reference: SL980167 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	183	1	418450 423795
12	<b>Pollution Incidents to Controlled Waters</b> Property Type: Textile Industry Location: Tributary Of Clough Beck, LIVERSEEDGE Authority: Environment Agency, North East Region Pollutant: Surcharged Sewage Note: No Fish Killed Incident Date: 29th April 1997 Incident Reference: SL970431 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	189	1	418750 423745
13	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Sewage Treatment Works Location: Gomersal/Source Spen Afu Authority: Environment Agency, North East Region Pollutant: Sewage - Treated Effluent Note: Not Supplied Incident Date: 31st August 1994 Incident Reference: 152998 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (E)	230	1	418900 423900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	<b>Water Abstractions</b> Operator: Harrison Gardner & Co Ltd Licence Number: 2/27/13/198 Permit Version: 101 Location: Borehole - Coal Measures - Liversedge Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Victoria Dyeworks, Hightown, Liversedge, West Yorkshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th June 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	342	1	418230 424040
	<b>Groundwater Vulnerability</b> Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13SW (S)	0	1	418599 423802
	<b>Drift Deposits</b> None				
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<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
	<b>Local Authority Landfill Coverage</b> Name: Kirklees Metropolitan Borough Council - Has not been able to supply Landfill data		0	9	417531 424124

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Lower Westphalian (mainly Productive Coal Measures)	(W)	0	3	410899 421421
	<b>Coal Mining Affected Areas</b> Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	(SW)	0	4	413000 417000
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	(W)	0	-	416500 423964
	<b>Potential for Collapsible Ground Stability Hazards</b> No Hazard				
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	418617 424226
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	204	3	418617 424226
	<b>Potential for Ground Dissolution Stability Hazards</b> No Hazard				
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	3	418617 423925
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	3	418617 423925
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	89	3	418750 423875
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	96	3	418700 423825
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	129	3	418725 423800
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	139	3	418617 423775
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	147	3	418575 423775
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	151	3	418550 423775
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	163	3	418625 423750
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	179	3	418700 424175
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	197	3	418775 423750
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	209	3	418825 423775
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	418617 424226
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	204	3	418617 424226

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	418617 423968
	<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)	0	3	418617 423968
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	4	3	418674 423968
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	120	3	418617 423793
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	174	3	418599 423743
	<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)	241	3	418749 424218
	<b>Radon Affected Areas</b> Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	A13NW (N)	0	5	418617 424000
	<b>Radon Affected Areas</b> Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	A13NW (N)	0	5	418617 424000
	<b>Radon Protection Measures</b> Type: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A15SE (E)	0	3	420000 423964
	<b>Shallow Mining Hazards</b> Risk: Low-Moderate Source: British Geological Survey, National Geoscience Information Service	A14SW (E)	0	3	419070 423946

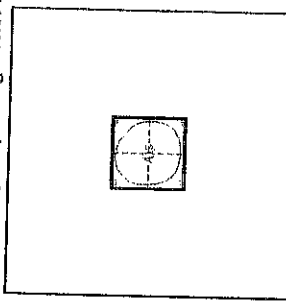
lap ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	<b>Contemporary Trade Directory Entries</b> Name: Hightown Service Station Location: 395, Halifax Road, Liversedge, West Yorkshire, WF15 8DU Classification: Petrol Filling Stations Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (N)	0	-	418605 423999
32	<b>Contemporary Trade Directory Entries</b> Name: Arrow Garage Services Location: 395, Halifax Road, Liversedge, West Yorkshire, WF15 8DU Classification: Garage Services Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (N)	0	-	418605 423999
33	<b>Contemporary Trade Directory Entries</b> Name: Harrison Gardner & Co Ltd Location: Victoria Dyeworks, Halifax Road, Liversedge, West Yorkshire, WF15 8HS Classification: Dyers Status: <b>Inactive</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	203	-	418380 424088
33	<b>Contemporary Trade Directory Entries</b> Name: C S Lifting Location: Victoria Dyeworks, Halifax Road, Liversedge, West Yorkshire, WF15 8HS Classification: Lifting Equipment Status: <b>Active</b> Positional Accuracy: Automatically positioned to the address	A13NW (NW)	203	-	418380 424088
34	<b>Fuel Station Entries</b> Name: Hightown Service Station Location: 395 Halifax Road, Hightown, LIVERSEEDGE, West Yorkshire, WF15 8DU Brand: Closed Premises Type: Petrol Station Status: <b>Closed</b> Positional Accuracy: Located by supplier to within 100m	A13NW (N)	54	-	418620 424070

## Sensitive Land Use

ap 3	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	<b>Areas of Adopted Green Belt</b> Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Unitary Development Plan Status: <b>Adopted</b> Plan Date: 1st March 1999	A13SE (S)	0	7	418622 423926
3	<b>Nitrate Vulnerable Zones</b> Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A23SW (N)	0	8	418617 425000

- General**
- Sewerage Station
- Society Reference Point
- X Map ID
- Saved or Type of Location
- Plot
- Overhead Transmission Lines
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
- Discharge Consent
- △ Enforcement or Prohibition Notice
- △ Integrated Pollution Control
- △ Local Authority Integrated Pollution Prevention and Control
- △ Local Authority Pollution Prevention and Control
- △ Pollution Prevention and Control
- △ Pollution Treatment to Controlled Waters
- △ Pollution Treatment to Uncontrolled Processes
- △ Protection Relating to Controlled Waters
- △ Registered Radioactive Substance
- △ River Network or Water Barriers
- △ River Quality Sampling Point
- △ Substantiated Pollution Incident Register
- △ Water Abstraction
- △ Water Industry Act Related
- Waste**
- ▽ BCS Recycled Landfill Site (Location)
- ▽ BCS Recycled Landfill Site
- ▽ Integrated Pollution Control (Registration)
- ▽ Landfill Waste Management Facility (Location)
- ▽ Landfill Waste Management Facility (Location)
- ▽ Local Authority Recycled Landfill Site (Location)
- ▽ Local Authority Recycled Landfill Site
- ▽ Registered Landfill Site
- ▽ Registered Landfill Site (Location)
- ▽ Registered Landfill Site (Over 500 tonnes/year)
- ▽ Registered Landfill Site (Over 100 tonnes/year)
- ▽ Registered Waste Transfer Site (Location)
- ▽ Registered Waste Treatment or Disposal Site (Location)
- ▽ Registered Waste Treatment or Disposal Site
- ▽ COMAH Site
- ▽ Explosive Site
- ▽ HRS Site
- ▽ Mining Hazardous Substances Consent
- ▽ Placing Hazardous Substances Enforcement
- Geological**
- ▽ BCS Recycled Mining Site
- Industrial Land Use**
- △ Contaminated Land Register Entry
- ★ Fuel Storage Entry

## Site Sensitivity Map - Segment A13



### Order Details

Order Number: 20714185\_1\_1  
 Customer Ref: WF15 8DU  
 National Grid Reference: 418620, 423960  
 Sheet: A  
 Site Area (Ha): 0.68  
 Plot Buffer (m): 250

### Site Details

385, Halifax Road, Liversedge, WF15 8DU



Landmark Information Group Services  
 12-Dec-2006  
 Page 1 of 1

no Radon

Conceptual Model - Based on Desk Study

Not to scale

52 Bank Parade  
Burnley BB11 1TS  
Tel: 01282 414649

