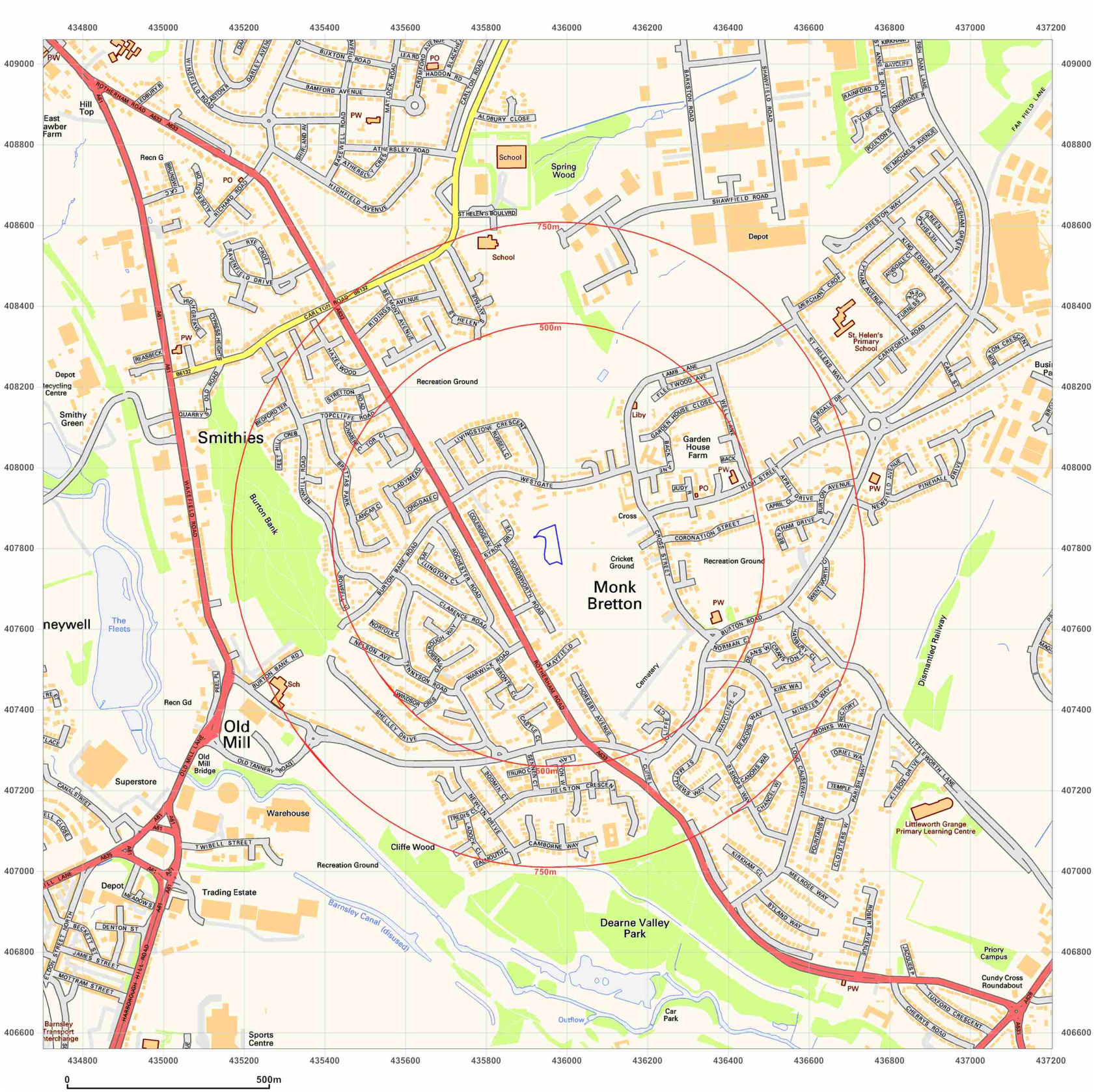


Groundsure INSIGHTS

Site Details:

LAND AT MONK BRETTON,
CROSS STREET, MONK
BRETTON, BARNSLEY, S71 2DJ

Client Ref: J3707_16_EDS
Report Ref: GS-3450171
Grid Ref: 435952, 407810

Map Name: National Grid

Map date: **2014**

Scale: 1:10,000

Printed at: 1:10,000

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2014

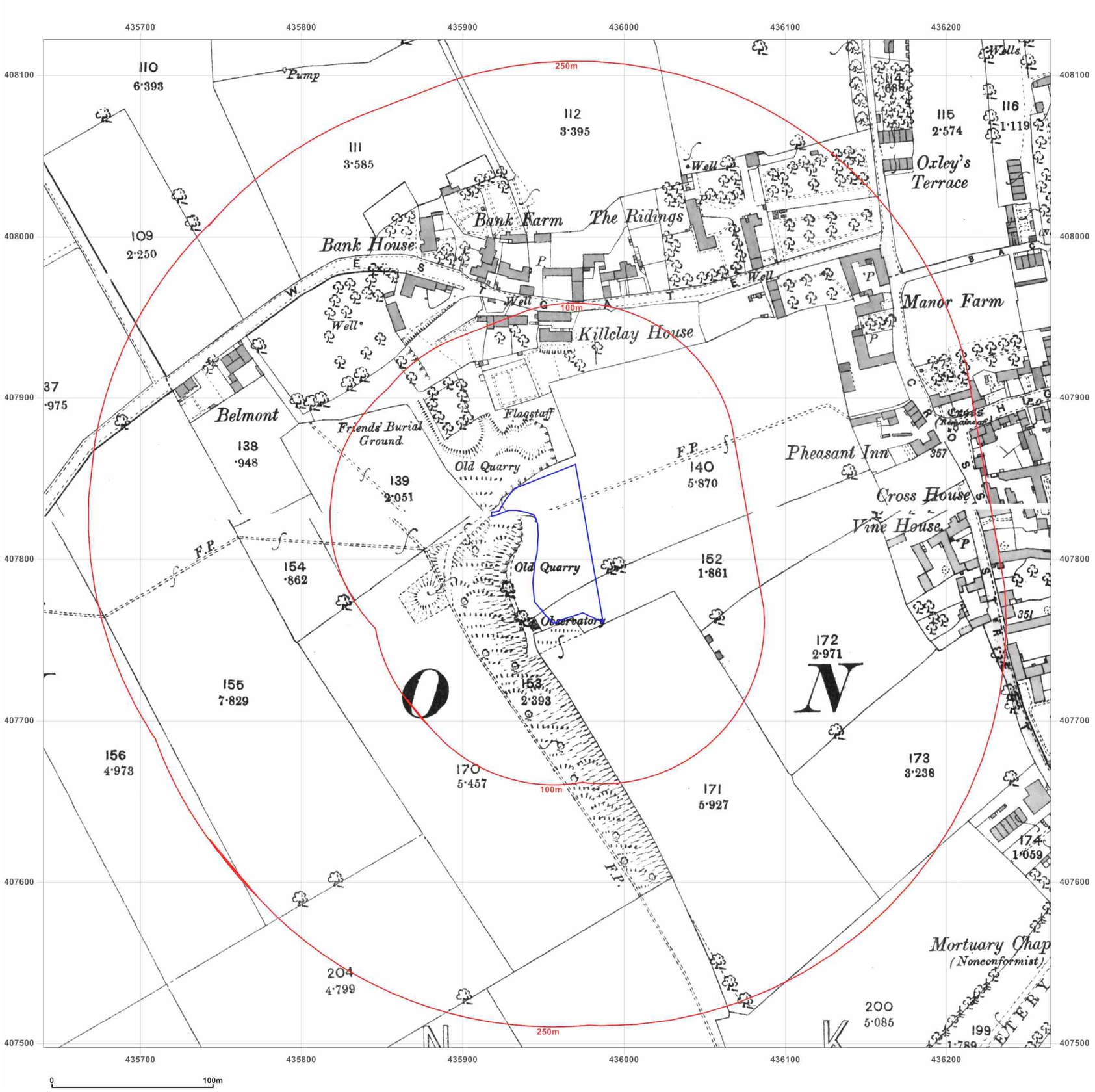
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Production date: 15 November 2016

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Groundsure INSIGHTS

Site Details:

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CROSS STREET, MONK
BRETTON, BARNSLEY, S71 2DJ

Client Ref: J3707_16_EDS
Report Ref: GS-3450171
Grid Ref: 435952, 407810

Map Name: County Series

Map date: **1892**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1892
Revised 1892
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1892
Revised 1892
Edition N/A
Copyright N/A
Levelled N/A

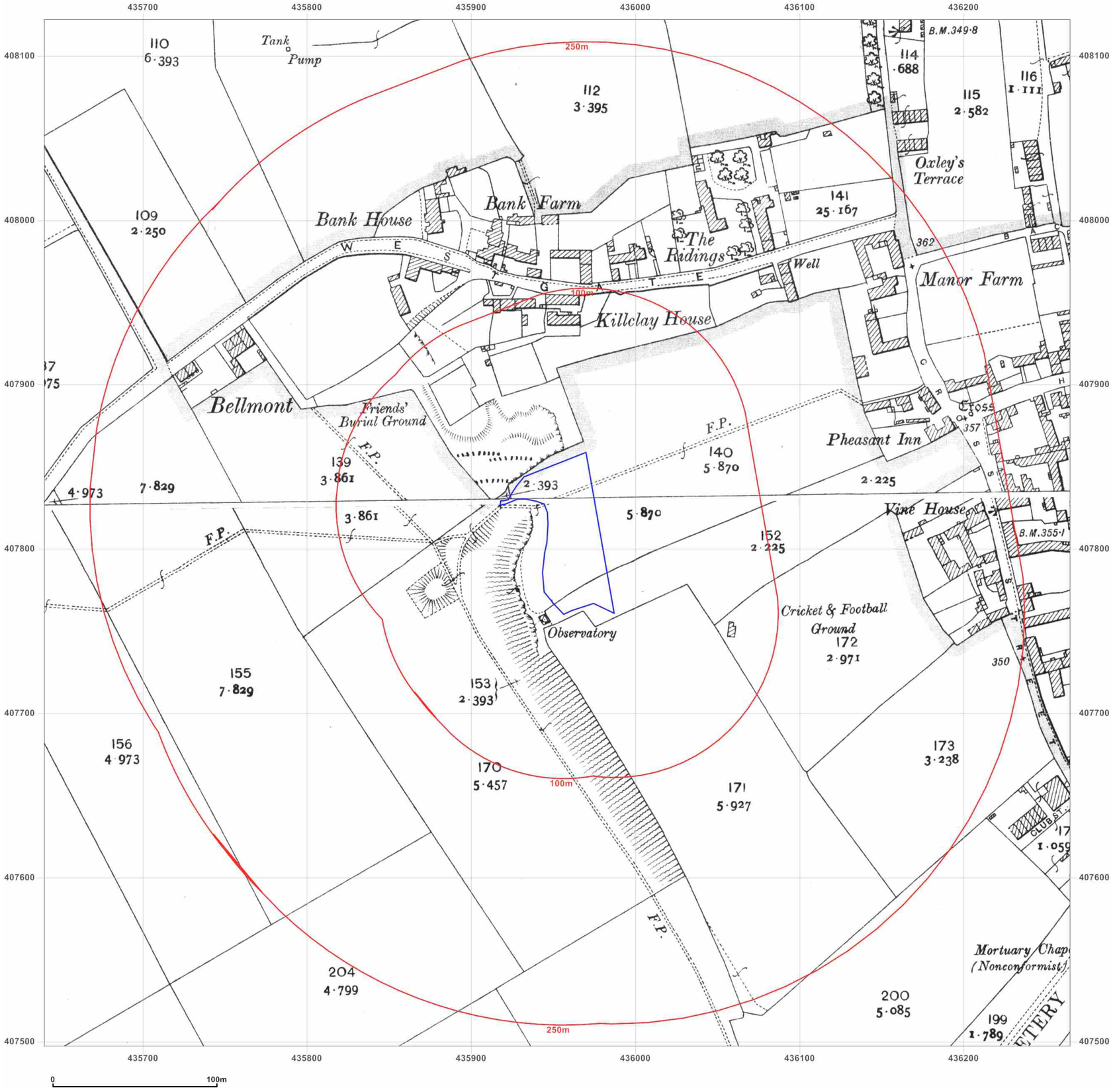
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BRETTON, BARNSLEY, S71 2DJ

Client Ref: J3707_16_EDS
Report Ref: GS-3450171
Grid Ref: 435952, 407810

Map Name: County Series

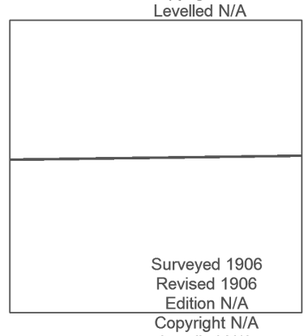
Map date: **1906**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1906
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A



Surveyed 1906
Revised 1906
Edition N/A
Copyright N/A
Levelled N/A

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Groundsure INSIGHTS

Site Details:

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CROSS STREET, MONK
BRETTON, BARNSLEY, S71 2DJ

Client Ref: J3707_16_EDS
Report Ref: GS-3450171
Grid Ref: 435952, 407810

Map Name: National Grid

Map date: **1960-1961**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1961
Revised 1961
Edition N/A
Copyright 1961
Levelled 1959

Surveyed 1961
Revised 1961
Edition N/A
Copyright 1961
Levelled 1959

Surveyed 1960
Revised 1960
Edition N/A
Copyright 1962
Levelled 1960

Surveyed 1960
Revised 1960
Edition N/A
Copyright 1961
Levelled 1960

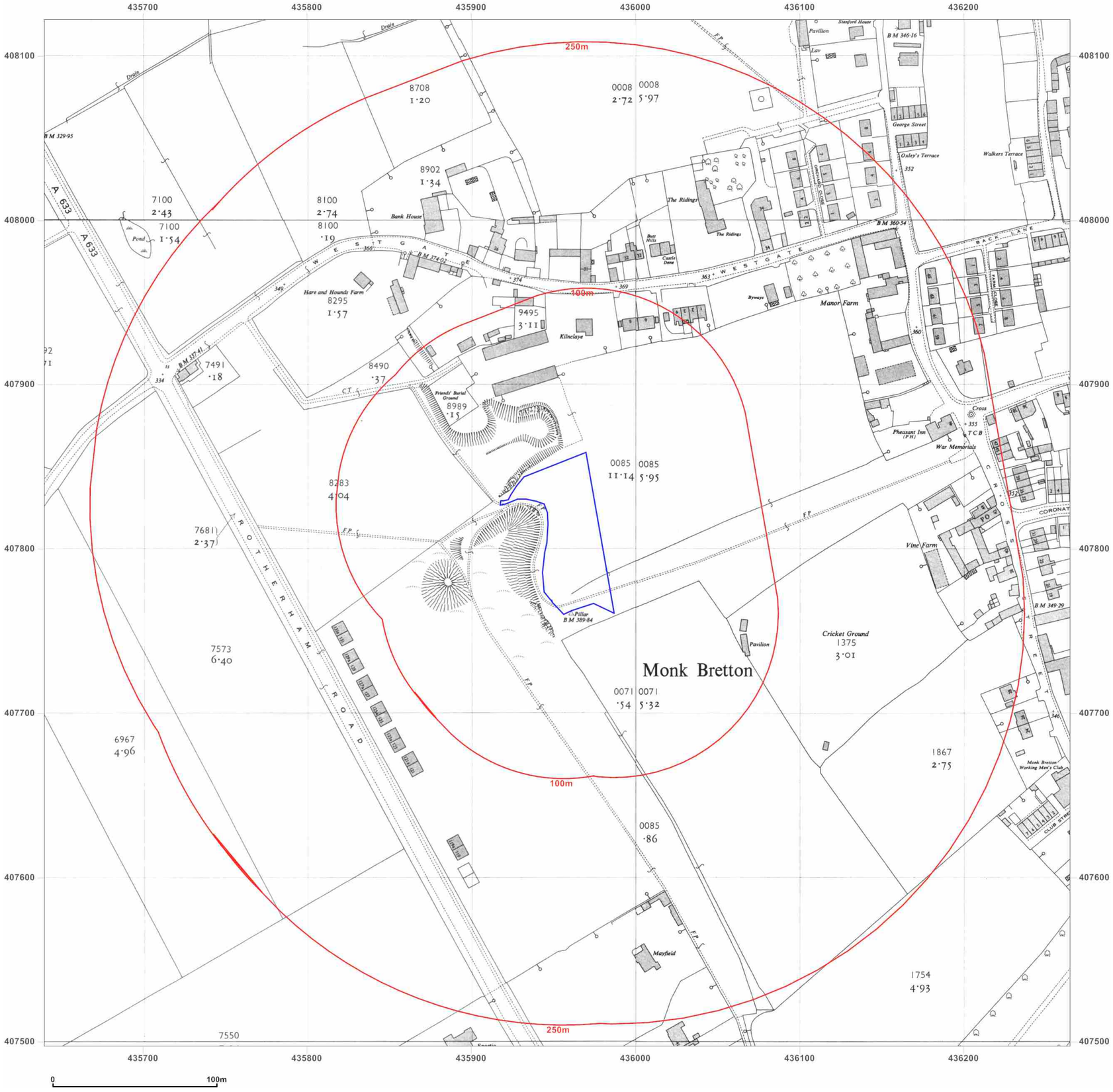
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Groundsure INSIGHTS

Site Details:

LAND AT MONK BRETTON,
CROSS STREET, MONK
BRETTON, BARNSLEY, S71 2DJ

Client Ref: J3707_16_EDS
Report Ref: GS-3450171
Grid Ref: 435952, 407810

Map Name: National Grid

Map date: **1960-1961**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1961
Revised 1961
Edition 1962
Copyright 1962
Levelled 1959

Surveyed 1961
Revised 1961
Edition 1962
Copyright 1962
Levelled 1959

Surveyed 1960
Revised 1960
Edition 1962
Copyright 1962
Levelled 1960

Surveyed 1960
Revised 1960
Edition 1962
Copyright 1962
Levelled 1960

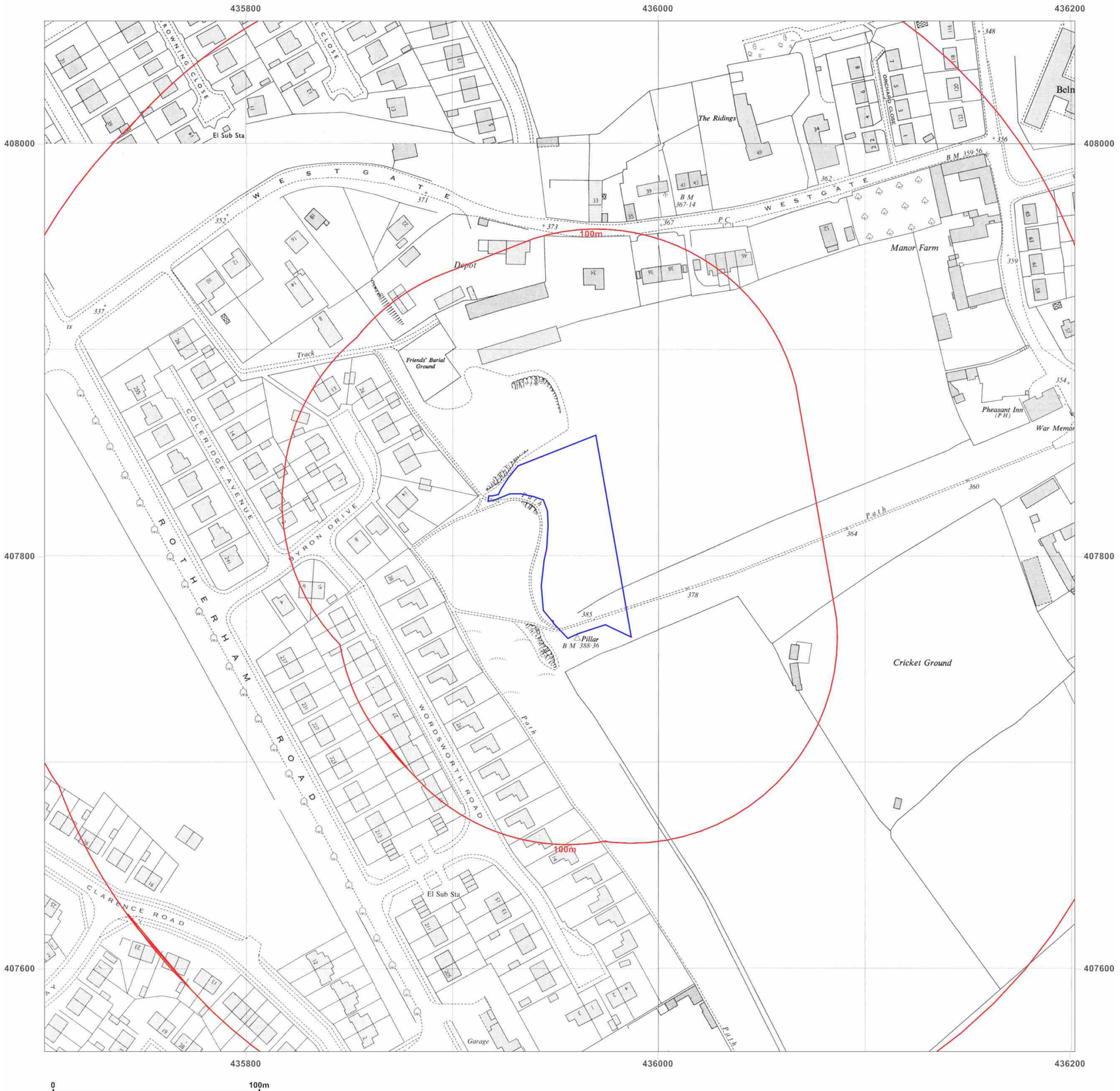
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Groundsure INSIGHTS

Site Details:

LAND AT MONK BRETTON,
CROSS STREET, MONK
BRETTON, BARNSLEY, S71 2DJ

Client Ref: J3707_16_EDS
Report Ref: GS-3450171
Grid Ref: 435952, 407810

Map Name: National Grid

Map date: **1965-1970**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1961
Revised 1970
Edition N/A
Copyright 1970
Levelled 1963

Surveyed 1961
Revised 1964
Edition N/A
Copyright 1965
Levelled 1963

Surveyed 1960
Revised 1969
Edition N/A
Copyright 1969
Levelled 1963

Surveyed 1960
Revised 1967
Edition N/A
Copyright 1968
Levelled 1963

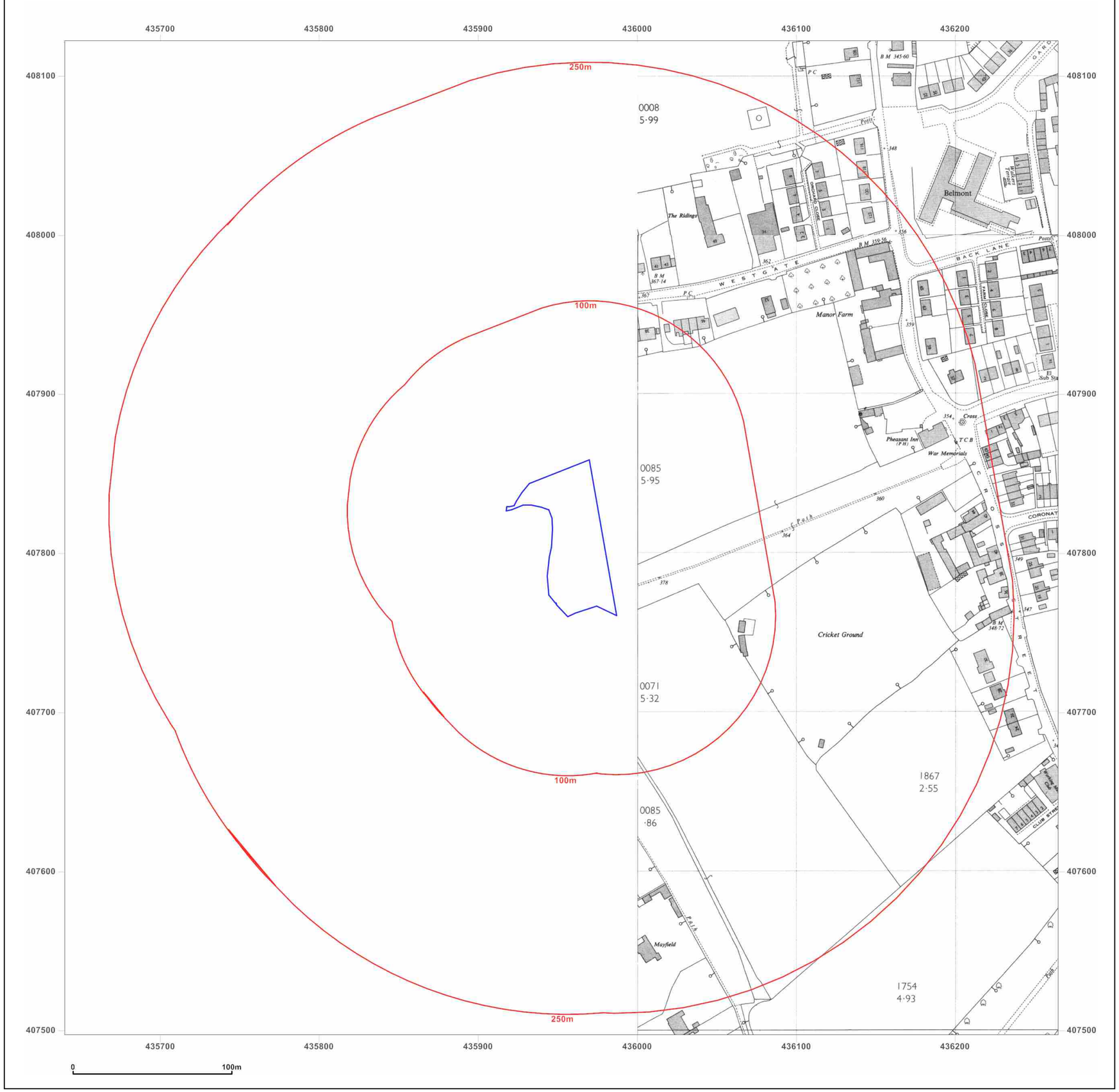
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Groundsure INSIGHTS

Site Details:

LAND AT MONK BRETTON,
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BRETTON, BARNSLEY, S71 2DJ

Client Ref: J3707_16_EDS
Report Ref: GS-3450171
Grid Ref: 435952, 407810

Map Name: National Grid

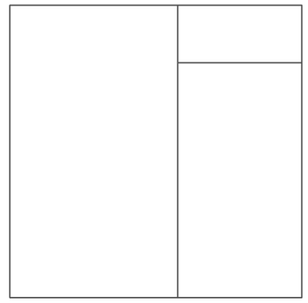
Map date: **1967-1970**

Scale: 1:2,500

Printed at: 1:2,500

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Surveyed 1967
Revised 1967
Edition N/A
Copyright 1969
Levelled 1963



Surveyed 1968
Revised 1970
Edition N/A
Copyright 1971
Levelled 1963

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Groundsure INSIGHTS

Site Details:

LAND AT MONK BRETTON,
CROSS STREET, MONK
BRETTON, BARNSLEY, S71 2DJ

Client Ref: J3707_16_EDS
Report Ref: GS-3450171
Grid Ref: 435952, 407810

Map Name: National Grid

Map date: **1968-1973**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed N/A
Revised N/A
Edition N/A
Copyright 1973
Levelled N/A

Surveyed 1960
Revised 1967
Edition N/A
Copyright 1968
Levelled 1963

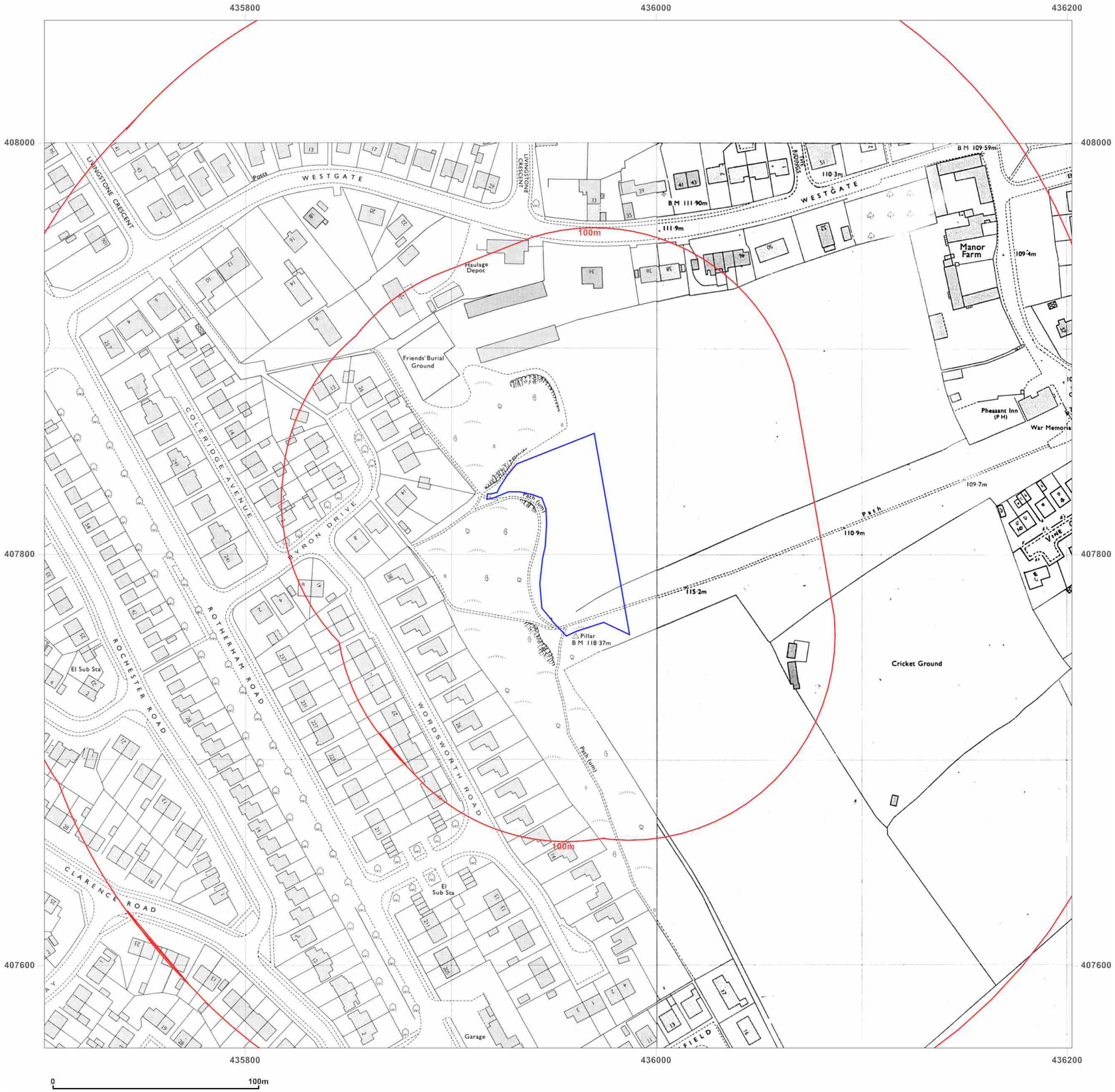
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Groundsure INSIGHTS

Site Details:

LAND AT MONK BRETTON,
CROSS STREET, MONK
BRETTON, BARNSLEY, S71 2DJ

Client Ref: J3707_16_EDS
Report Ref: GS-3450171
Grid Ref: 435952, 407810

Map Name: National Grid

Map date: **1975-1979**

Scale: 1:1,250

Printed at: 1:2,000

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Surveyed 1960	Surveyed N/A
Revised 1974	Revised N/A
Edition N/A	Edition N/A
Copyright 1975	Copyright 1979
Levelled 1963	Levelled 1963

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APPENDIX 3

SITE PLANS


Cross Street
Monk Bretton
Wordsworth Rd
Google earth
© 2016 Google
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APPENDIX 4

PHOTOGRAPHS



Photo 1: Site looking north



Photo 2: Site looking east

	Rogers Geotechnical Services Ltd	Project Name: **Cross Street, Monk Bretton**	Project Number: **J3707/16/EDS**



Photo 3: Site looking south



Photo 4: Site looking west



Photo 5: Site northeast corner



Photo 6: Adjacent site to the north



Photo 7: Typical presence of litter



Photo 8: Slope immediately west of site



Photo 9: Footpath from northwest corner of site



Photo 10: Ordnance Survey triangulation pillar (S1761), southern edge of the site



Photo 11: Communications tower and footpath in south-eastern corner of the site



Photo 12: Entrance to neighbouring reservoir site (to the east of site, photo taken off-site)

APPENDIX 5

COAL MINING REPORT

The Coal Authority

Resolving the impacts of mining

CON29M Non-Residential Mining Report





LAND AT MONK BRETTON
CROSS STREET
MONK BRETTON
BARNSLEY
BARNSLEY
S71 2DJ



Date of enquiry:	15 November 2016
Date enquiry received:	15 November 2016
Issue date:	15 November 2016
Our reference:	51001289480001
Your reference:	J3707/16/EDS

CON29M Non-Residential Mining Report

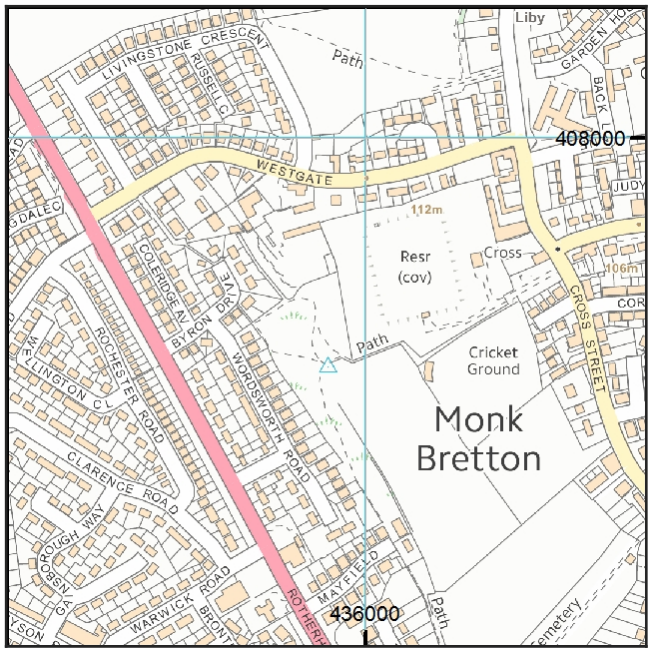
This report is based on, and limited to, the records held by the Coal Authority and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Client name

ROGERS GEOTECHNICAL SERVICES LTD

Enquiry address

LAND AT MONK BRETTON, CROSS STREET, MONK BRETTON, BARNSLEY, BARNSLEY, S71 2DJ



Approximate position of property

Map data

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200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

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/thecoalauthority
/coalauthority

Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	Yes
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	Yes
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	No
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No
15	Information from the Cheshire Brine Subsidence Compensation Board	No

For detailed findings, please go to page 4.

Detailed findings

1. Past underground coal mining

The property is in a surface area that could be affected by underground mining in 9 seams of coal at 80m to 520m depth, and last worked in 1983.

Any movement in the ground due to coal mining activity should have stopped.

2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

The property is not in an area where a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area likely to be affected from any planned future underground coal mining.

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

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4. Mine entries

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

There may however be mine entries/additional mine entries in the local area which the Coal Authority has no knowledge of.

5. Coal mining geology

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

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

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

8. Future opencast coal mining
There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

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.

9. Coal mining subsidence
The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

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

10. Mine gas
The Coal Authority has no record of a mine gas emission requiring action.

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

12. Withdrawal of support
The property is not in an area where a notice to withdraw support has been given.

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

13. Working facilities order
The property is not in an area where 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.

14. Payments to owners of former copyhold land

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

15. Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional remarks

Information provided by the Coal Authority in this report is compiled in response to the Law Society's Con29M Coal Mining and Brine Subsidence Claim enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. Please note that Brine Subsidence Claim enquiries are only relevant for England and Wales. 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 applicable at the time the report was produced.

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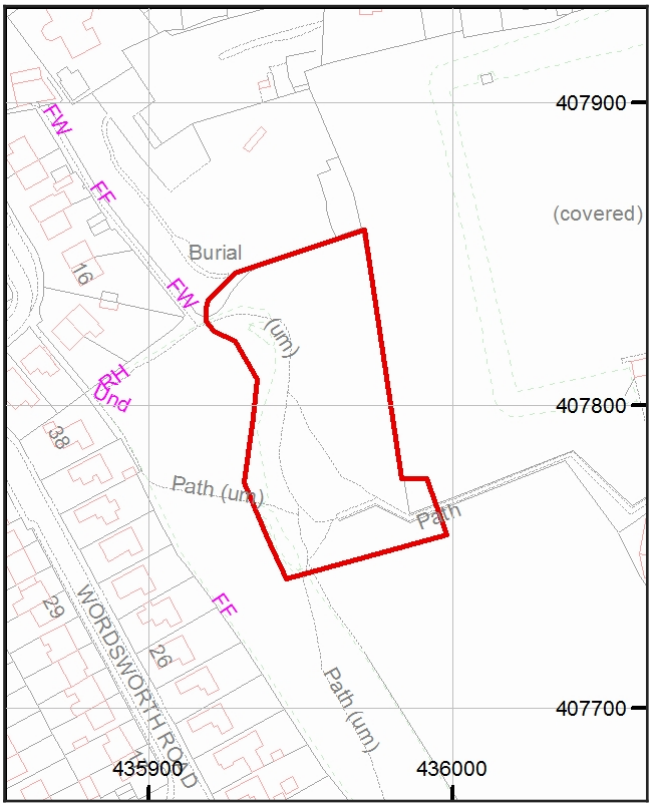
Alternative formats

If you would like this report in an alternative format, please contact our communications team.

Enquiry boundary

Key

Approximate position of enquiry boundary shown



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/coalauthority

Map data

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VAT receipt

Issued by	The Coal Authority 200 Lichfield Lane Mansfield Nottinghamshire NG18 4RG
Tax point date	15 November 2016
Issued to	ROGERS GEOTECHNICAL SERVICES LTD BARNCLIFFE MILLS NEAR BANK SHELLEY HUDDERSFIELD KIRKLEES HD8 8LU
Property search for	LAND AT MONK BRETTON CROSS STREET MONK BRETTON BARNSLEY BARNSLEY S71 2DJ
Reference number	51001289480001
Date of issue	15 November 2016
Cost	£77.00
VAT @ 20%	£15.40
Total received	£92.40
VAT registration	598 5850 68

APPENDIX 6

BGS BOREHOLE SCANS

IGS 1372 (1535) 5000 5/75

Institute of Geological Sciences

RECORD OF SHAFT OR BOREHOLE

6-in or 1:10 000 Map Registration No.

SE 30 NE

Name and Number of Shaft or Borehole: SE 30 NE / 69 b

National Grid Reference

360 078.

MONK BRETTON A3 Bore Hole

For whom made YORKSHIRE WATER AUTHORITY

Town or Village BARNSLEY County S. YORKSHIRE

1-in or 1:50 000 New Series Map No.: BARNSLEY 80

Enter 'C' if Confidential

Exact site (reference to a fixed point on 1-in or 1:50 000 Map)

Purpose for which made RESERVOIR SITE INVESTIGATION

Ground level at shaft / bore relative to O.D. 114.3 m. If not ground level give O.D. of beginning of shaft / bore ____ m.

Made by FAIRCLOUGH, CIVIL ENGINEERS Date of sinking SEPTEMBER 1979

Information from FAIRCLOUGH. Examined by A. THICKPENNY

Specimen Numbers and Additional Notes

Geological Classification	Description of Strata	Thickness metres	Depth metres
	Open hole	1·60	1·60
Oaks Rock.	Sandstone, buff, orange-brown, medium grained micaceous, x-bedded, coaly partings	4·04	5·64
	Dirty coal	0·04	5·68
	Sandstone, as above.	3·27	8·95
	Gap, core unused.	0·80	9·75
	Sandstone, as above, sharp erosive base.	0·32	10·07
	Siltstone/mudstone intercalations, medium pale grey, ripple x-laminated, fissile	0·10	10·17
	Mudstone, medium grey, fissile, v. fractured, ironstained, unfossiliferous.	1·28	11·45
	Siltstone/mudstone intercalations, as above	0·19	11·64
	Chert, hard, buff	0·06	11·70
	Mudstone, medium grey, bioturbated, fissile, finely micaceous, some listric surfaces.	0·45	12·15

Geological Classification	Description of Strata	Thickness metres	Depth metres
	Brought Forward		12.15
	Mudstone black, v. fissile (papery)	0.16	12.31
	Mudstone, medium grey, fissile, unfossiliferous fractured and broken.	0.64	12.95
	Gap, core missed.	1.00	13.95
	Mudstone, medium grey, fissile, finely micaceous, unfossiliferous, bioturbated in places.	1.00	14.95
	Mudstone, medium grey, blocky fracture, v. friable. Some comminuted plant remains	1.82	16.77
	Mudstone, dark grey, v. fissile. Calcite bivalve shells present	0.18	16.95
	Mudstone, dark grey, carbonaceous, v. fissile, common bivalve imprints	0.20	17.15
	Mudstone, dark grey/black, v. fissile, carbonaceous, many listric surfaces, sulphurous and iron-stained along fractures.	0.40	17.55
	Mudstone, dark grey, fissile, unfossiliferous. kaolinite present on fractures.	0.32	17.87
Swinton Potlery Coal	Mudstone, black, coaly, low density	0.28	18.15
	Mudstone, dark grey/black, fissile, ironstained. Much carbonised wood, some bivalve casts. Chert band (3cm) at 18.61, with silicified bivalves. Distinct base	0.94	19.09
	Sandstone, pale grey, fine grained, bioturbated hard, highly fractured.	0.56	19.65
	Mudstone, dark grey/black, v. friable, many listric surfaces and carbonised plant remains	0.36	20.01
	Sandstone, pale grey, fine grained, partly bioturbated, partly ripple x-laminated. Cherty nodules and fossiliferous coaly partings. Fines up.	0.22	20.23
	Mudstone, as above, with chert nodules.	0.19	20.42
	Sandstone as above, silty laminae	0.21	20.63
	Mudstone, as above	0.10	20.73

Institute of Geological Sciences

Name and Number of Shaft or Borehole:

MONK ARETTON A3 BH

6-in or 1:10 000 Map Registration No.

SE 30 NE/69

National Grid Reference

Geological Classification	Description of Strata	Thickness metres	Depth metres
	Brought Forward		20.73
	Siltstone, medium grey, bioturbate, blocky fracture, v. micaceous, carbonaceous plant fragments. Coal in last 5cm.	1.67	22.40
	Siltstone, as above, many plant remains, uneven fracture surfaces	0.90	23.30
	Siltstone/mudstone, interlaminations. Micaceous many plant remains	0.90	24.20
	Sandstone, pale grey, fine/medium grained, ripple x-laminated, sharp base	0.22	24.42
	Siltstone/mudstone as above, slumping and faulting present. Gradational base	0.17	24.59
	Siltstone, well laminated, medium grey, micaceous, plant remains, highly fractured	0.50	25.09
	Siltstone/mudstone, as above sedimentary structures.	0.10	25.19
	Sandstone, pale grey, x-laminated, gradational base.	0.19	25.38
	Siltstone/mudstone, as above.	0.25	25.63
	Sandstone, pale grey, x-laminated, fining up. Erosive base.	0.20	25.83
	Siltstone/mudstone, as above	0.26	26.09
	Sandstone, as above	0.14	26.23
	Siltstone/mudstone, as above, mudstone becoming more dominant in bottom 0.5m.	0.82	27.05
	Mudstone, medium grey, partly bioturbated, few silt laminae	0.25	27.30
	Mudstone, medium grey, // laminated, micaceous	0.42	27.72
	Mudstone/siltstone as above.	0.06	27.78
	Mudstone, medium grey, well laminated, some chert bands. Blocky fracture	0.66	28.44
	Mudstone, black, // laminated, fissile, carbonised wood fragments	0.12	28.56
	Mudstone, medium grey, parallel laminated no wood fragments, unfossiliferous.	2.30	30.86

Institute of Geological Sciences

Name and Number of Shaft or Borehole:

MONK BRETTON A3 BH

6-in or 1:10 000 Map Registration No.

SE 30 NE/69b

National Grid Reference

Page 4

Geological Classification	Description of Strata	Thickness *metres*	Depth *metres*
	Brought Forward		30.86
	micaceous, v. fissile, some cherty bands.		
	Mudstone, medium grey, bioturbate in upper 1.0m. Slight colour banding, grey and grey-brown. Chert bands present esp. 32.94, Unfossiliferous	4.34	35.20
	Coal, poorly developed, gradational top with shales.	0.13	35.33
	Mudstone, buff, carbonised rootlets, friable, Bioturbate, uneven fracture. Fireclay.	0.97	36.30
	Siltstone, brown-grey, much clay. Bioturbate	0.49	36.79
	Mudstone, medium grey, some silty laminae showing soft sediment deformation. Well laminated, fissile, plant remains common	0.50	37.29
	Sandstone, pale grey, medium/fine. Silty laminae in top 0.27 showing sed. structure. Cracks with medium sst with erosive base.	0.93	38.22
	Mudstone, medium grey, well laminated, few silt laminae	0.22	38.44
	Sandstone, as above, loaded base, fining up.	0.20	38.64
	Sandstones, medium grey, fine, dirty, much carbonaceous material. Bioturbate, but with soft sed convolutions in bottom 0.15.	0.25	38.89
	Mudstone, medium grey, laminated. Silt laminae (x-laminated), some plant remains. Possible bivalve at 39.65	0.84	39.73
	Sandstone, medium grey, dirty, fine-grained. Sedimentary convolutions.	0.16	39.89
	Sandstone, pale grey, medium grained, x-laminated, filamentous carbonaceous partings	0.06	39.95
	Mudstone, medium grey, silty in upper 50cm. Well laminated, unfossiliferous, cherty bands	1.68	41.63
	Mudstone, dark grey → black, v. fissile, well laminated, carbonaceous, chert nodules	0.42	42.05

Institute of Geological Sciences

Name and Number of Shaft or Borehole:

MONK BRETTON A3 BH

6-in or 1:10 000 Map Registration No.

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National Grid Reference

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Geological Classification	Description of Strata	Thickness metres	Depth metres
	Brought Forward		42.05
Newhill Coal	Coal, good in lower 10cm.	0.20	42.25
	Mudstone, dark grey, poorly laminated.	0.05	42.30
	Coal, fragmented.	0.41	42.71
	Mudstone, black, carbonaceous, thin coaly partings. Many listric surfaces, bioturbate.	0.45	43.16
	Mudstone, brown/buff/grey, unlaminated, filamentous carbonaceous remains. Crushed and fragmented. Seatearth	1.64	44.80
	End of hole		

YWA MONK BRETTON A3 BH

SEPTEMBER 1979

SE 30 NE / 69 b

