

Site Details:

Rhigos Road, Hirwaun, CF44
9AZ

Client Ref: P02126263
Report Ref: GS-8836475_LS_2_1
Grid Ref: 293739, 205366

Map Name: National Grid

Map date: 1962

Scale: 1:2,500

Printed at: 1:2,500



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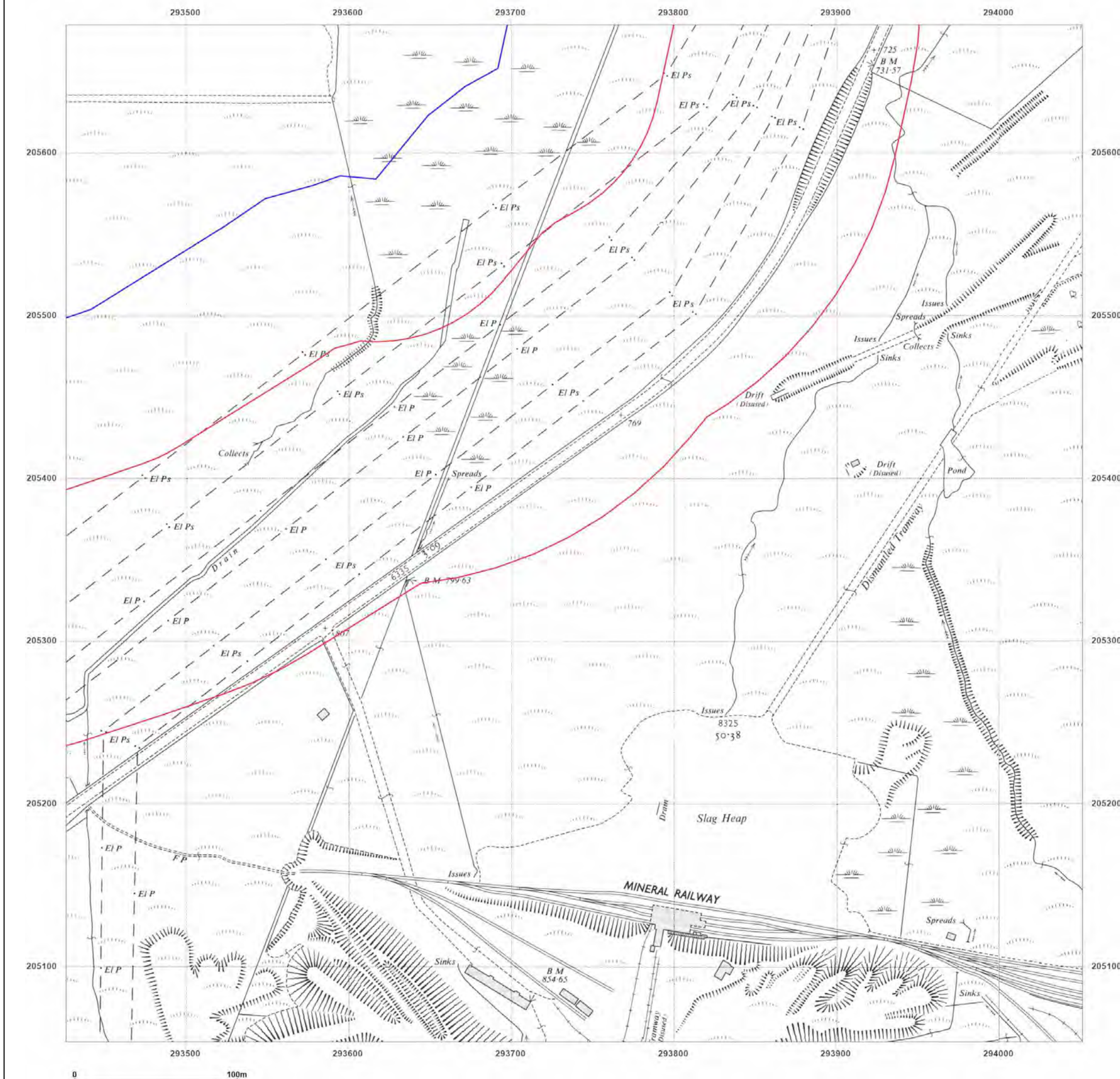


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Grid Ref: 293739, 205366

Map Name: National Grid

Map date: 1962-1964

Scale: 1:2,500

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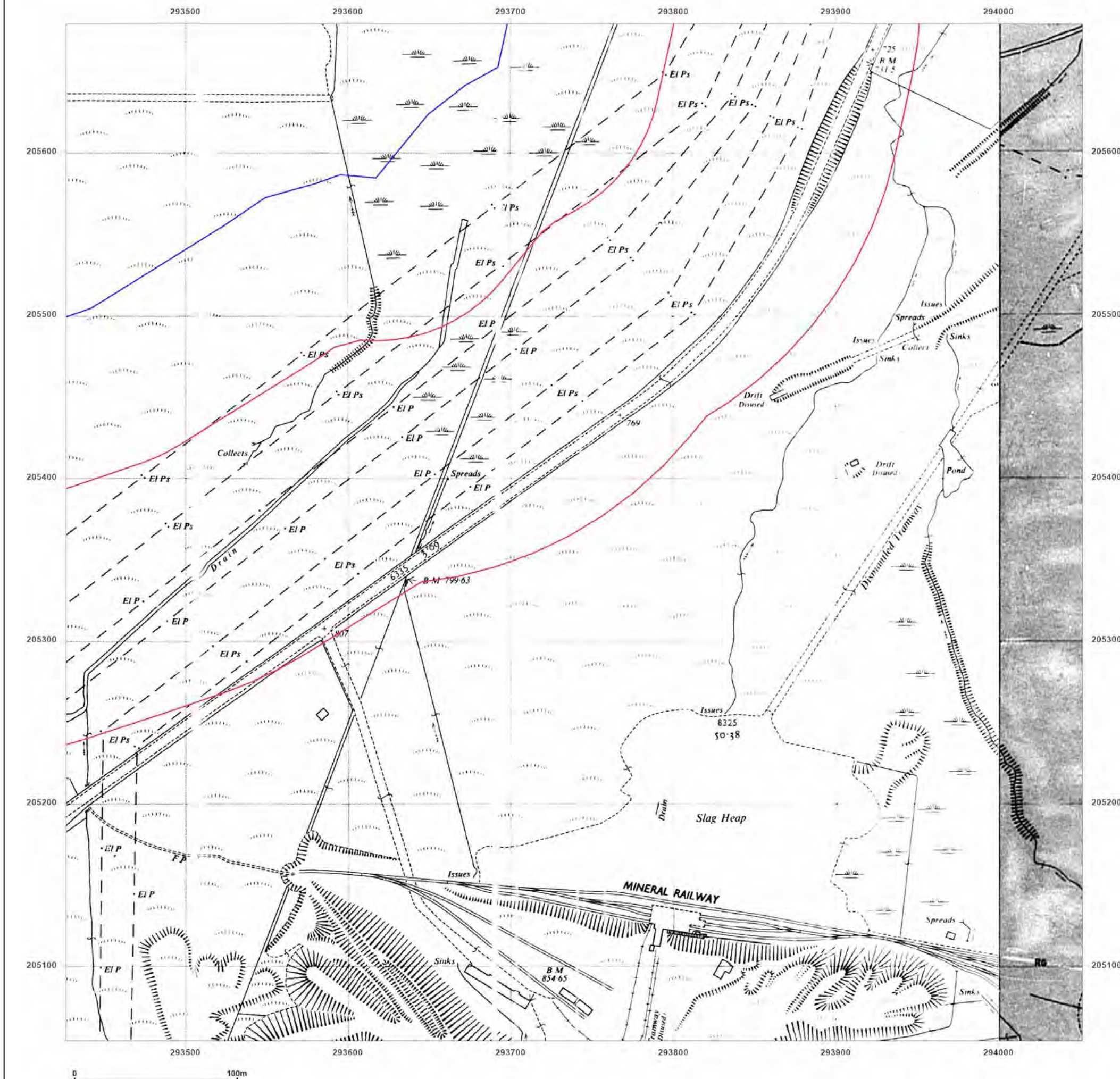


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Client Ref: P02126263
Report Ref: GS-8836475_LS_2_1
Grid Ref: 293739, 205366

Map Name: National Grid

Map date: 1988-1990

Scale: 1:2,500

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Revised N/A
Edition N/A
Copyright 1990
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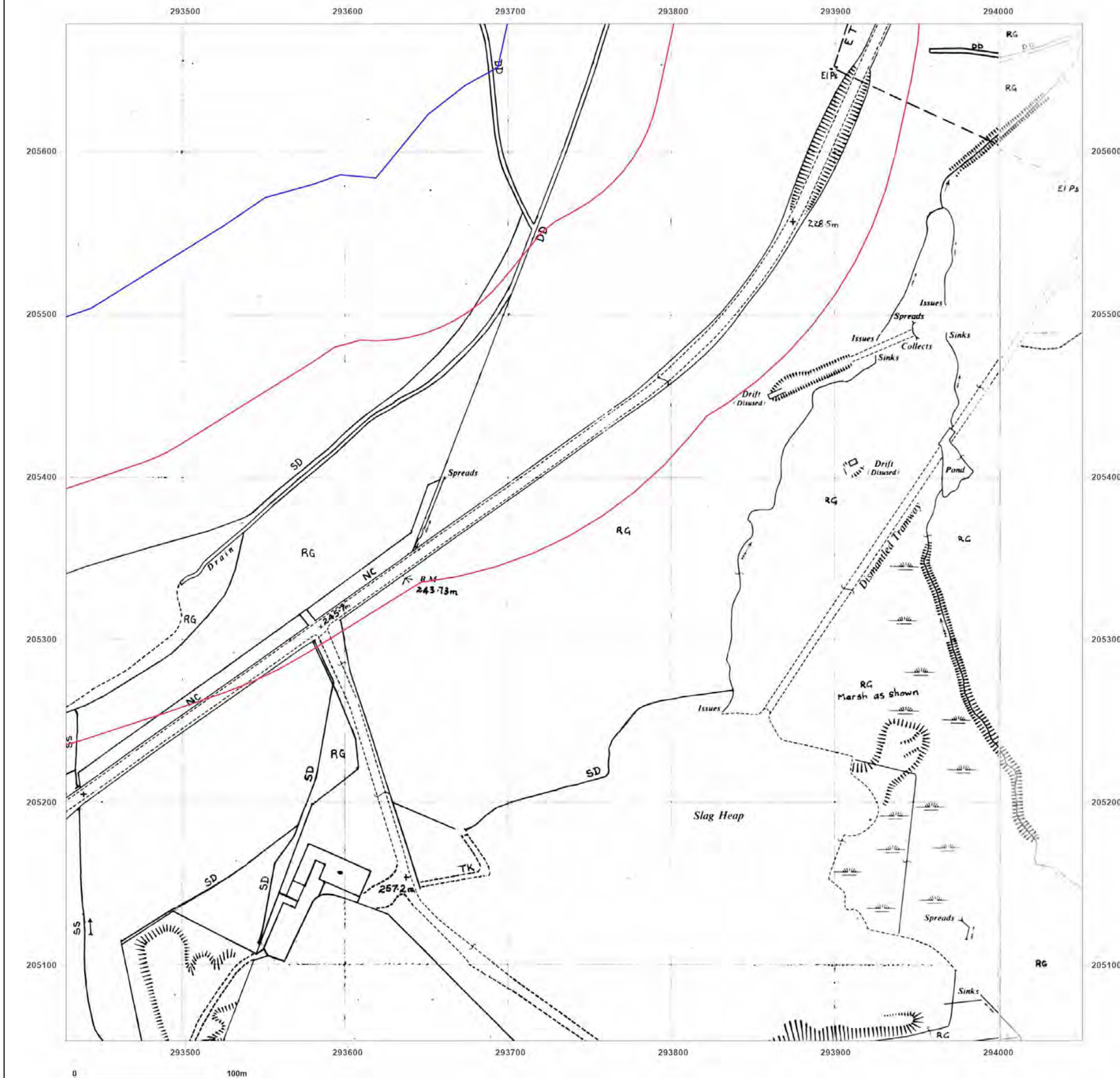


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Client Ref: P02126263
Report Ref: GS-8836475_LS_2_1
Grid Ref: 293739, 205366

Map Name: National Grid

Map date: 1990-1993

Scale: 1:2,500

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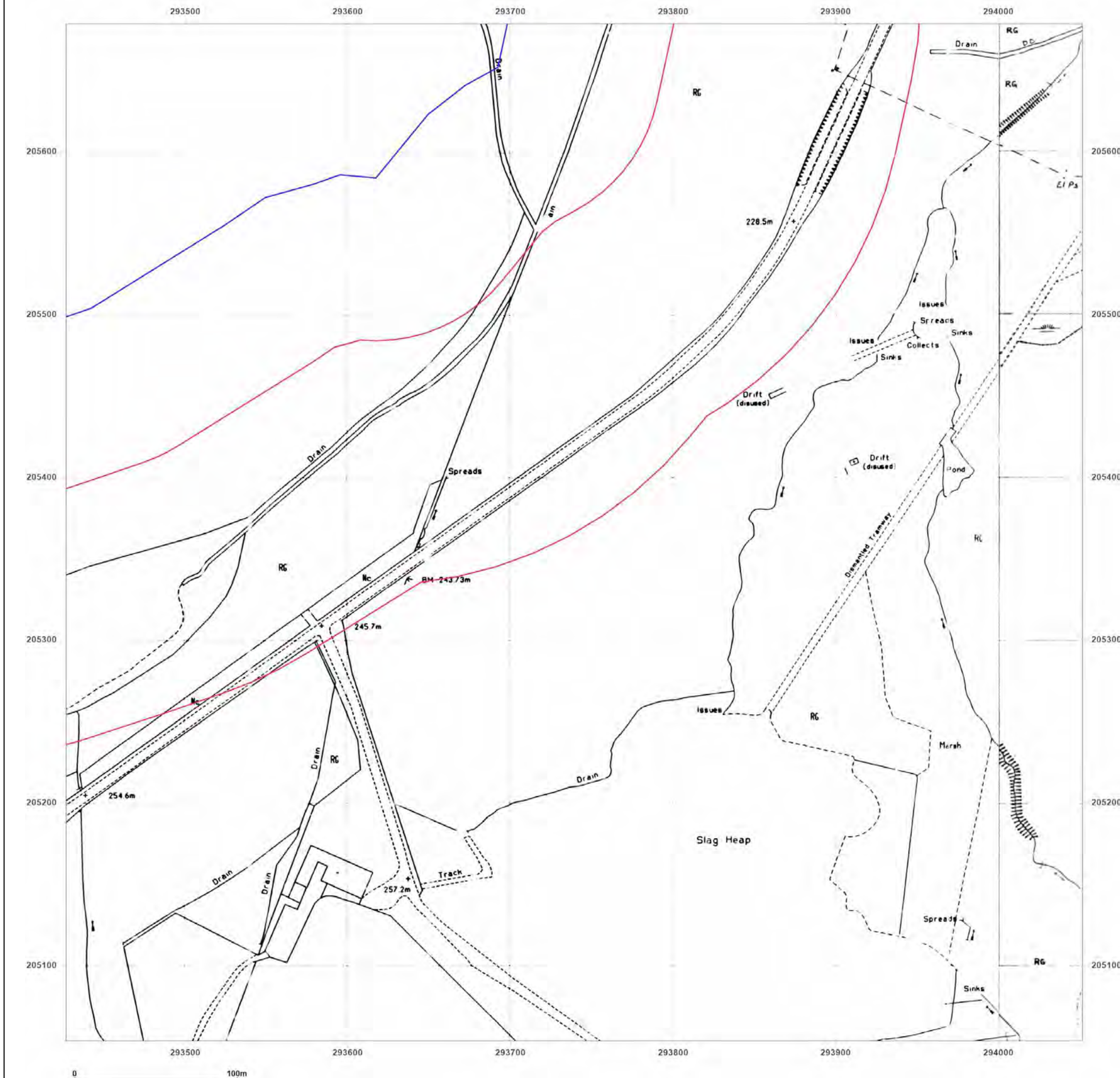


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Site Details:

Rhigos Road, Hirwaun, CF44 9AZ

Client Ref: P02126263
Report Ref: GS-8836475_LS_2_2
Grid Ref: 293739, 205991

Map Name: County Series

Map date: 1875-1876

Scale: 1:2,500

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 Revised 1875
 Edition N/A
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Surveyed 1876
 Revised 1876
 Edition N/A
 Copyright N/A
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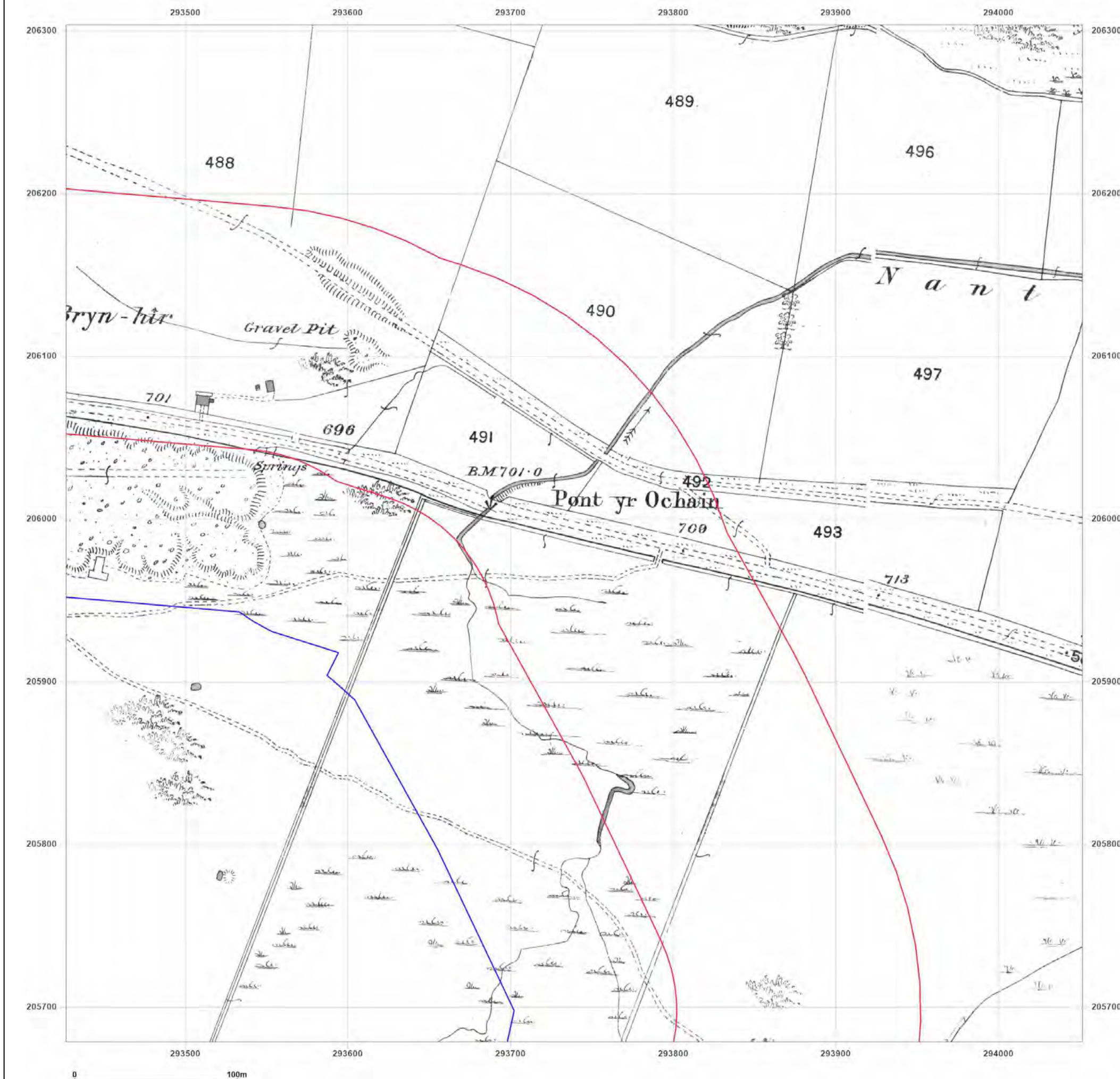


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Site Details:

Rhigos Road, Hirwaun, CF44
9AZ

Client Ref: P02126263
Report Ref: GS-8836475_LS_2_2
Grid Ref: 293739, 205991

Map Name: County Series

Map date: 1899-1900

Scale: 1:2,500

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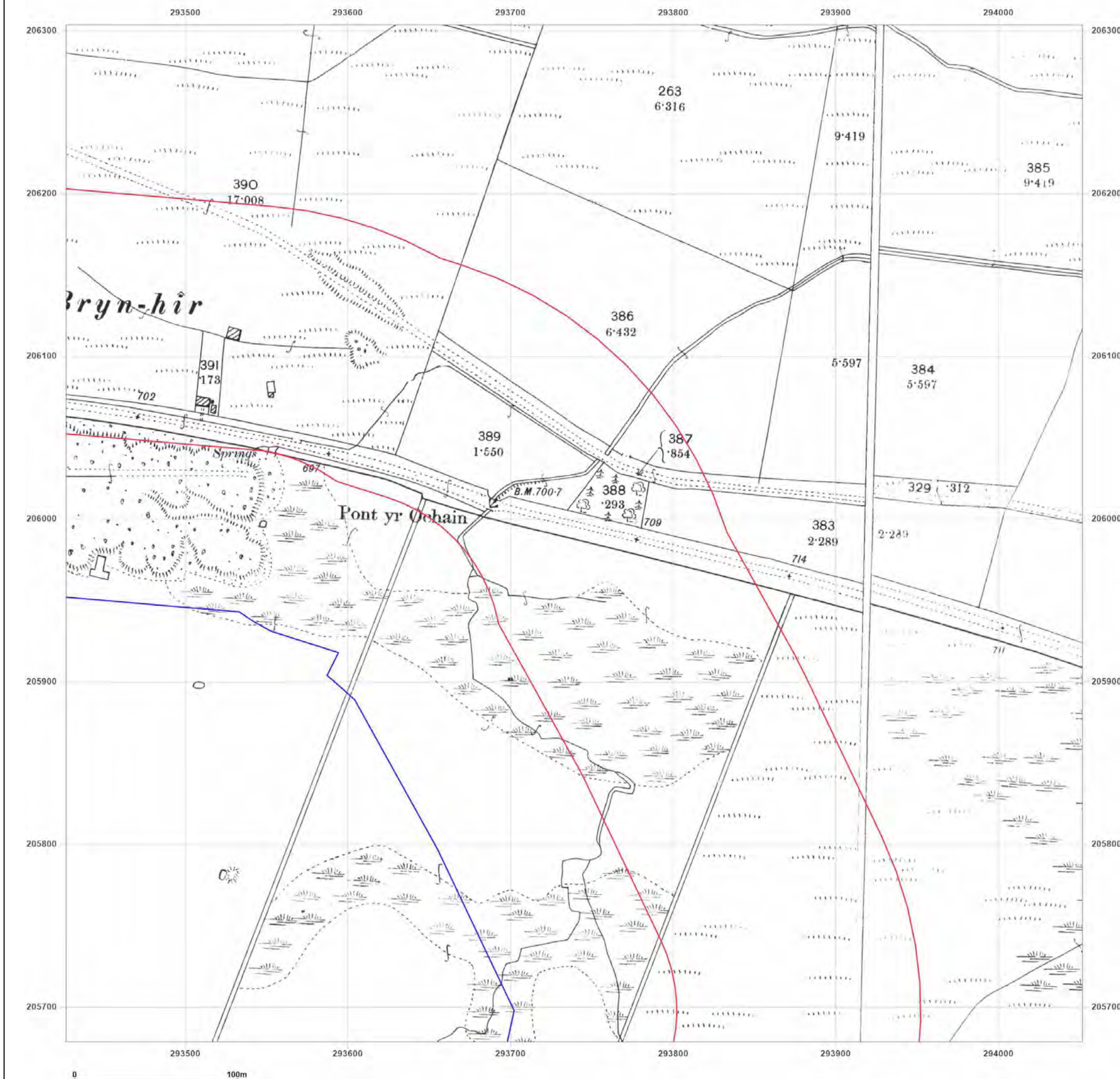


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Site Details:

Rhigos Road, Hirwaun, CF44
9AZ

Client Ref: P02126263
Report Ref: GS-8836475_LS_2_2
Grid Ref: 293739, 205991

Map Name: County Series

Map date: 1914-1919

Scale: 1:2,500

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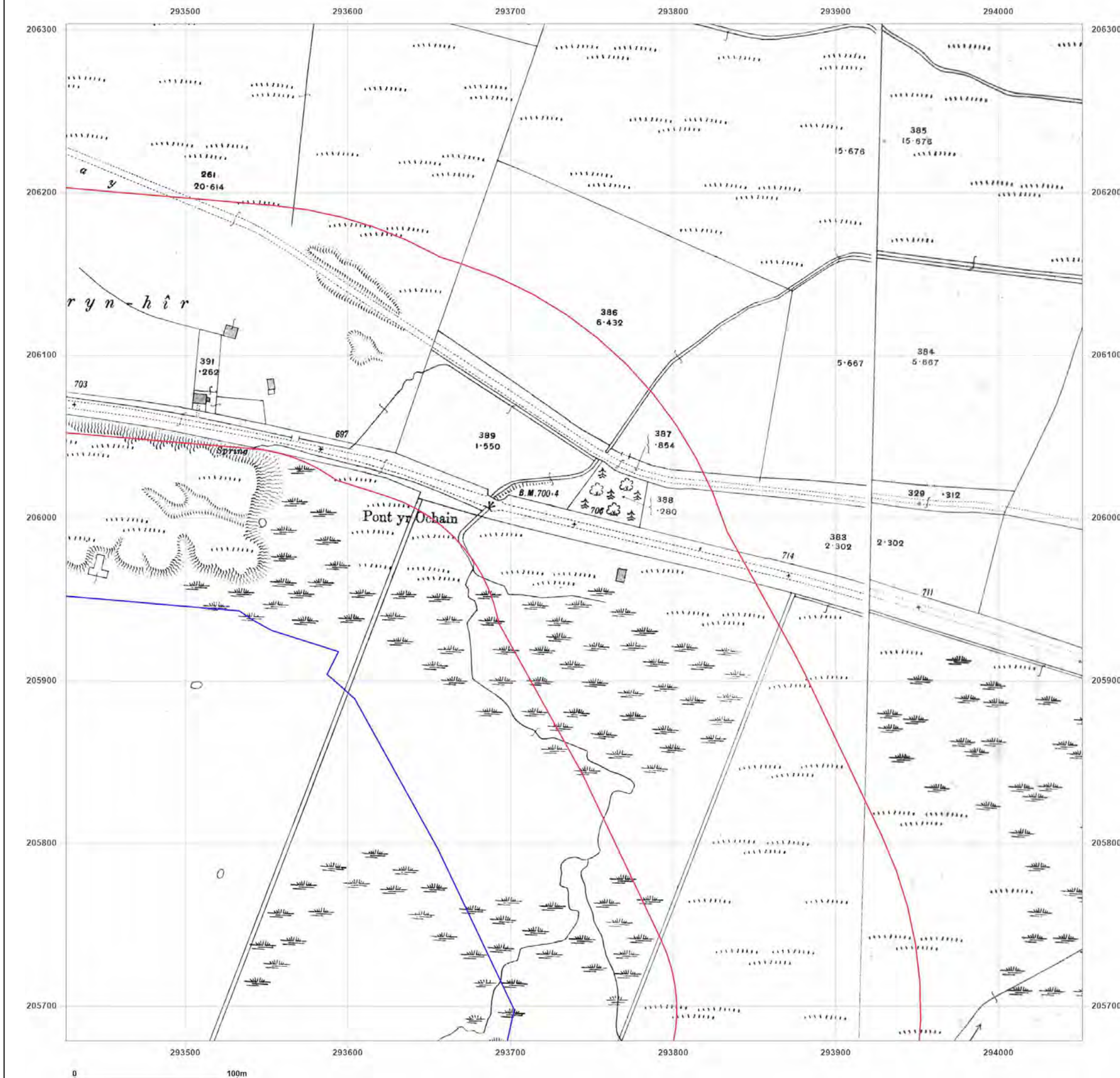


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9AZ

Client Ref: P02126263
Report Ref: GS-8836475_LS_2_2
Grid Ref: 293739, 205991

Map Name: National Grid

Map date: 1962-1964

Scale: 1:2,500

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Report Ref: GS-8836475_LS_2_2
Grid Ref: 293739, 205991

Map Name: National Grid

Map date: 1962-1964

Scale: 1:2,500

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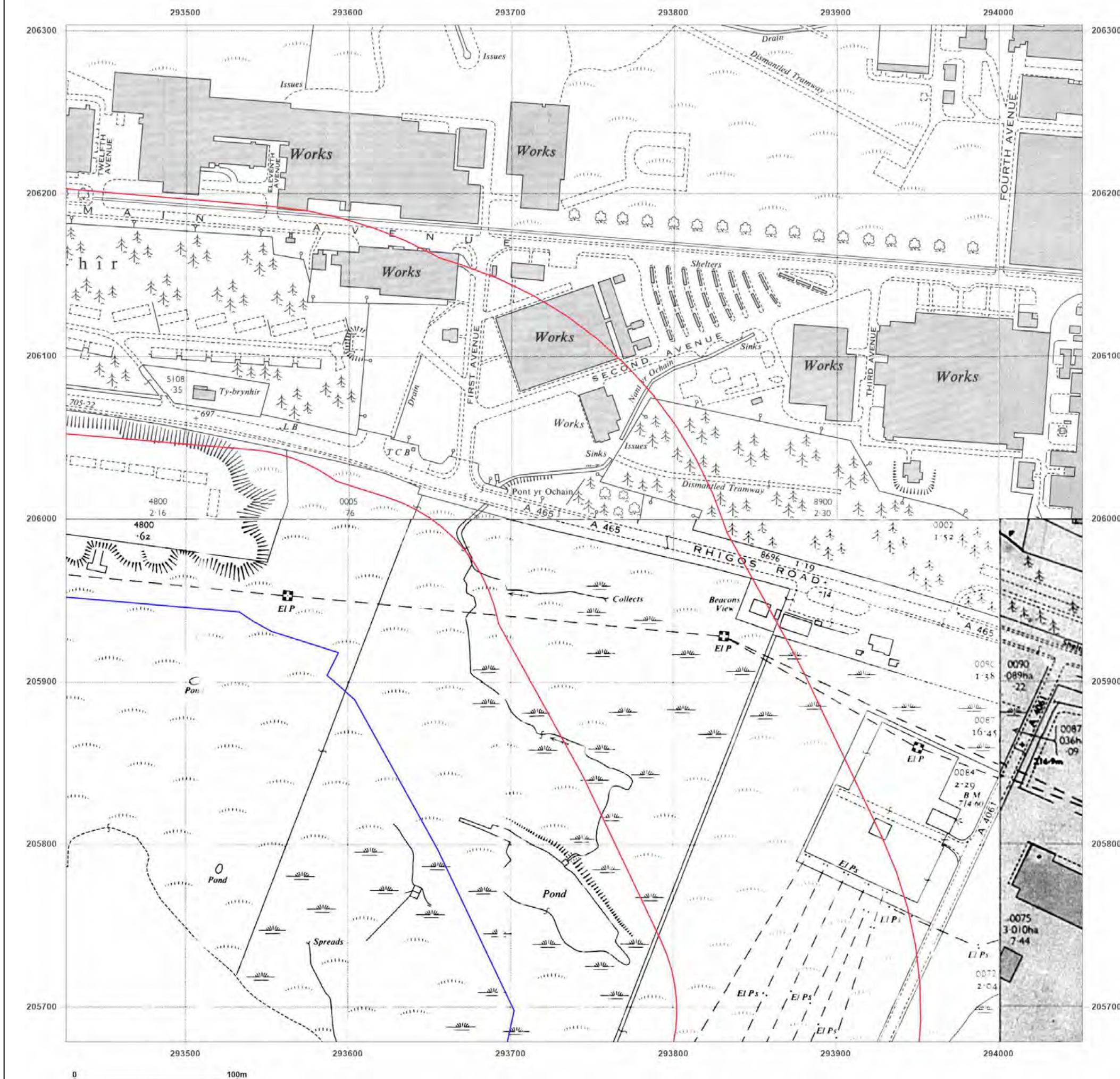


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Site Details:

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Client Ref: P02126263
Report Ref: GS-8836475_LS_2_2
Grid Ref: 293739, 205991

Map Name: National Grid

Map date: 1978-1979

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Edition N/A
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Levelled 1964

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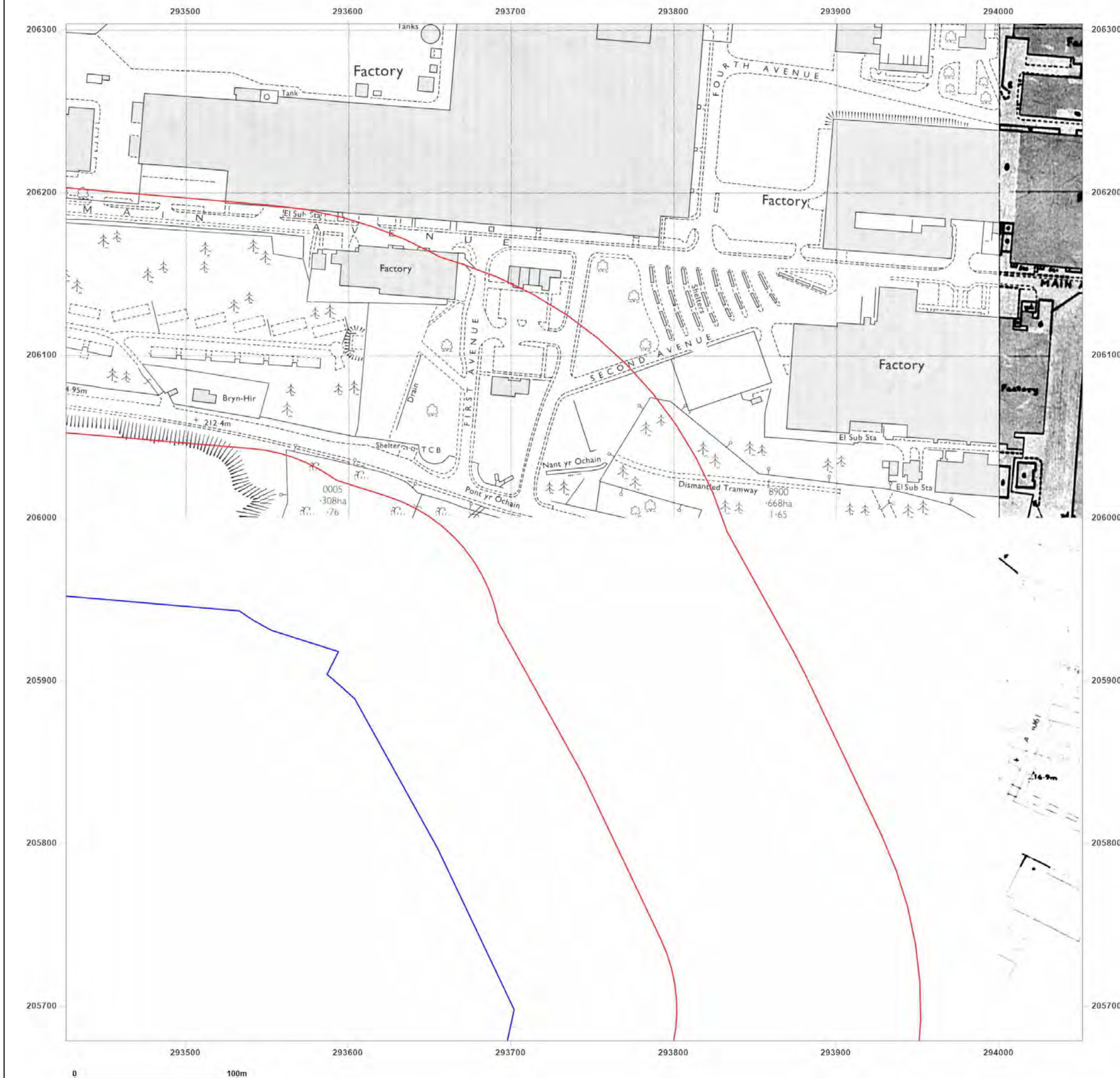


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Rhigos Road, Hirwaun, CF44 9AZ

Client Ref: P02126263
Report Ref: GS-8836475_LS_2_2
Grid Ref: 293739, 205991

Map Name: National Grid

Map date: 1985-1990

Scale: 1:2,500

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 Edition N/A
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Report Ref: GS-8836475_LS_2_2
Grid Ref: 293739, 205991

Map Name: National Grid

Map date: 1985-1990

Scale: 1:2,500

Printed at: 1:2,500



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 Edition N/A
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 Levelled N/A

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 Revised 1990
 Edition N/A
 Copyright 1990
 Levelled 1964

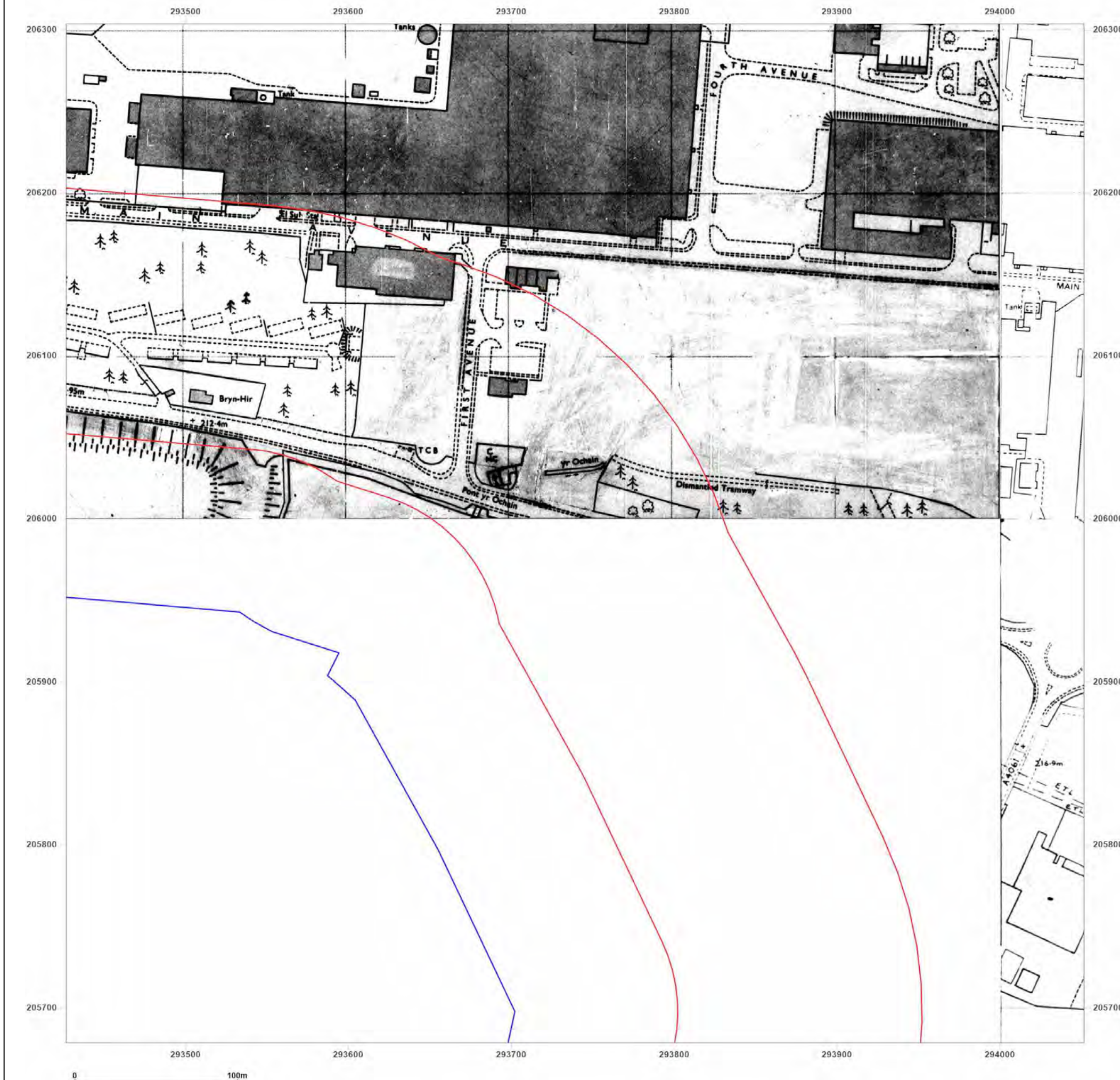


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Grid Ref: 293739, 205991

Map Name: National Grid

Map date: 1990-1993

Scale: 1:2,500

Printed at: 1:2,500



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APPENDIX D COAL AUTHORITY CONSULTANTS MINING REPORT



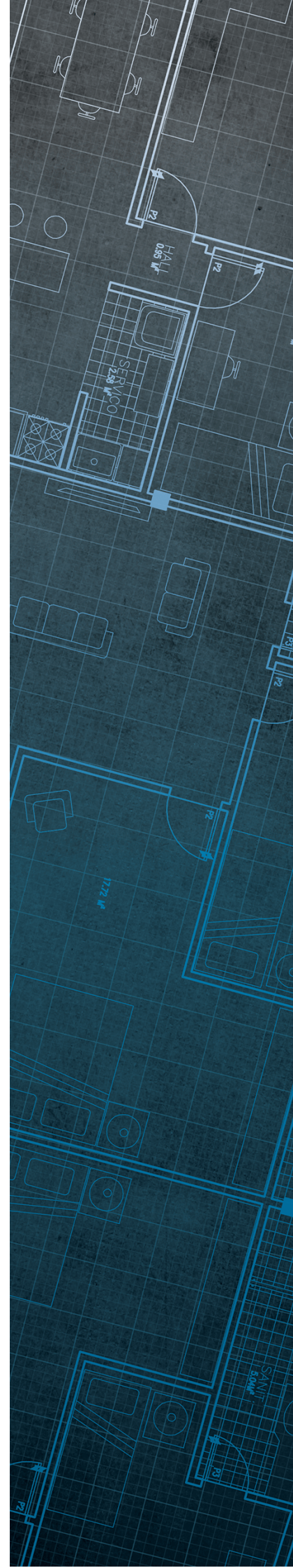
The Coal
Authority

Consultants Coal Mining Report

Rhigos Road, Hirwaun, Cf44 9az
Rhondda Cynon Taff

Date of enquiry:	20 June 2022
Date enquiry received:	20 June 2022
Issue date:	20 June 2022

Our reference:	51003193792001
Your reference:	GS-8836476



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

GROUNDSURE LIMITED

Enquiry address

Rhigos Road, Hirwaun, Cf44 9az
Rhondda Cynon Taff

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

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Mansfield
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NG18 4RG

www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

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Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
unnamed	GELLIDEG FIRECLAY	Fireclay	4GMF	16	Beneath Property	5.1	South	120	1856
unnamed	GELLIDEG FIRECLAY	Ironstone	4GMG	20	Beneath Property	6.7	South	120	1856
unnamed	LITTLE BLUE IRONSTONE	Ironstone	4GNS	24	Beneath Property	7.1	South	120	1848
unnamed	GELLIDEG IRONSTONE	Ironstone	4GME	27	Beneath Property	5.8	South	110	1850

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

Distance to spine roadway (m)	Direction to spine roadway
Within	N/A

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Shaft	293205-019	293502 205776	This mine entry may have been partially or wholly excavated during past opencast mining	Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

16541	SWR2753	16617
SWR2462	SWR2468	16616
SWR2466		

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
FIVE FOOT	Coal	Yes	Within	N/A	103
FIVE FOOT	Coal	Yes	Within	N/A	266
GELLIDEG	Coal	Yes	Within	N/A	263
LOWER NINE FOOT (TOP LEAF)	Coal	No	Within	N/A	102
LOWER NINE FOOT (TOP LEAF)	Coal	No	Within	N/A	262
LOWER NINE FOOT TOP LEAF	Coal	No	Within	N/A	262
MIDDLE BUTE LEAF	Coal	Yes	Within	N/A	237
SEVEN FOOT RIDER	Coal	No	Within	N/A	87
SEVEN FOOT RIDER	Coal	No	Within	N/A	107
SEVEN FOOT RIDER	Coal	Yes	Within	N/A	262
SEVEN FOOT RIDER	Coal	No	Within	N/A	265
UPPER GELLIDEG	Coal	Yes	Within	N/A	257
UPPER GELLIDEG	Coal	Yes	27.7	West	270
UPPER SEVEN FOOT	Coal	No	Within	N/A	269
UPPER SEVEN FOOT	Coal	No	Within	N/A	299
YARD	Coal	Yes	Within	N/A	267
YARD	Coal	Yes	Within	N/A	286
YARD (MEADOW)	Coal	No	Within	N/A	102
YARD (MEADOW)	Coal	No	Within	N/A	266
YARD (MEADOW)	Coal	No	Within	N/A	296

Geological faults, fissures and breaklines

Please refer to the 'Summary of findings' map (on separate sheet) for details of any geological faults, fissures or breaklines either within or intersecting the enquiry boundary.

Faults under or close to the property recorded.

Opencast mines

Please refer to the "Summary of findings" map (on separate sheet) for details of any opencast areas within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

Distance to site investigation (m)	Direction
48.0	West

See Section 4 for further information.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, 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.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

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

Withdrawal of support notices

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.

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.

Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

Site investigations

The site is within an area of previous interest. It is close to where the Coal Authority has received information relating to past site investigations.

The site requires further investigation and may influence how you approach your risk assessment.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

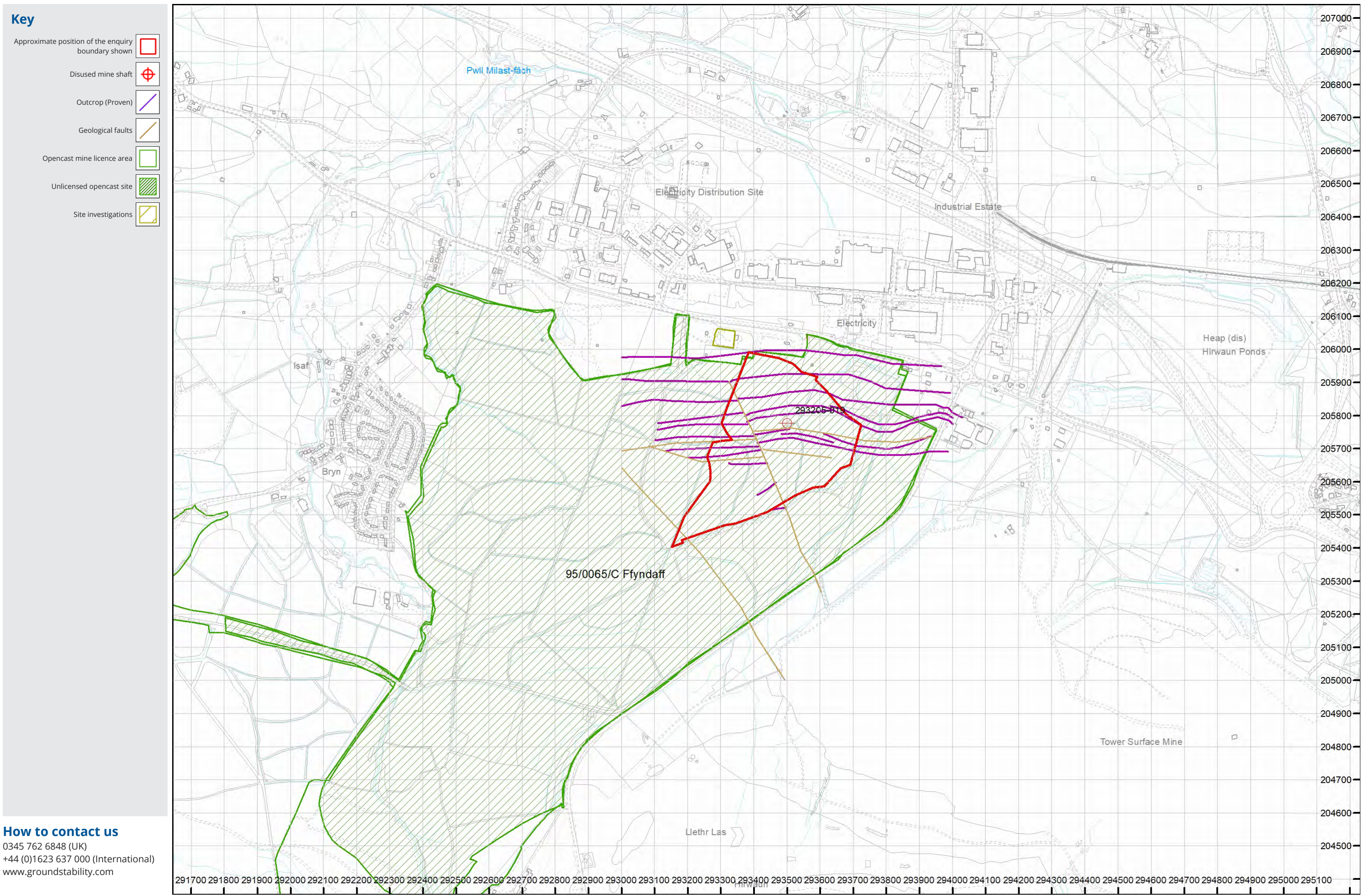
Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

The map highlights any specific surface or subsurface features within or near to the boundary of the site.



APPENDIX E SITE RECONNAISSANCE PHOTOGRAPHS

PHOTOGRAPHIC LOG

Photo no. 1	Date: 28 June 2022
-----------------------	------------------------------

Looking West

Description:
Access off Rhigos Road



Photo No. 2	Date: 28 June 2022
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Looking North

Description:
Upper part of proposed access track. Fields 1 and 2 in the distance



Photo No. 3	Date: 28 June 2022	
Looking South		
Description: Field 1, note occasional hydrophilic grasses		

Photo No. 4	Date: 28 June 2022	
Looking east from Field 1		
Description: Access to Field 1 via bridge of wooden sleepers over stream.		

Photo No. 5	Date: 28 June 2022	
Looking South-West		
Description: Gate between Fields 1 and 2. Stream forming southern boundary on left and field boundary hedge on right.		

Photo No. 6	Date: 28 June 2022	
Looking North-East		
Description: Field 2		