



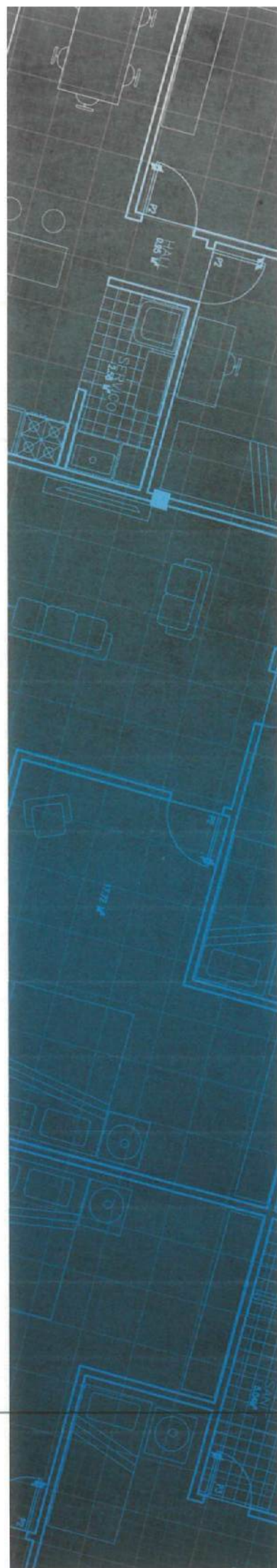
The Coal
Authority

Consultants Coal Mining Report

34 Parish Road
Blaengwrach
Neath Port Talbot
SA11 5SW

Date of enquiry: 23 February 2021
Date enquiry received: 23 February 2021
Issue date: 23 February 2021

Our reference: 51002394004001
Your reference: MRS_7787mte_PO-9650



Earth Science Partners
Consulting Engineers | Geologists | Environmental Scientists

**Enclosure A – Coal Authority Mining Report
(Consultants Report)**

Evidence of Mining from Historical Maps:

The 1876 map (earliest available) shows the following mining features:

- Quarry from approximately 125 m north west of the site;
- Old Level (Coal approximately) 250 m south west;
- Air shaft approximately 190 m north east.

All these features are marked as 'old' on the 1899 map.

Summary of Coal Authority Data (website and mining report):

Site within Development High Risk Area?	Y	Evidence of Recorded Past Mine Entries:	Yes, nearby
Evidence of Recorded Past Workings?	N	Recorded Past Instability	N
Probable Unrecorded Past Workings?	N	Recorded Mine Gas Emissions	N
Recorded Past Opencast	Y, nearby	Recorded fissures and break lines	N

Identification and Assessment of Site-Specific Coal Mining Risks (ESP assessment)

Underground Coal Mining (recorded at shallow depth)	N	No direct evidence of underground coal mining beneath the site.
Underground Coal Mining (probable at shallow depth)	Possible	Due to the likely presence of coal at shallow depth and the presence of adits on the Coal Authority website to the north west of the site, a potential risk has been identified.
Mine Entries (shafts and adits)	Y	Nearest entry shown approximately 110 m north west of the site as a shaft. The nearest adit is shown approximately 175 m to the north west.
Coal Mining Geology (faults and fissures)	N	Coal Authority report no faults, fissures or breaklines within close proximity to the site.
Records of Past Mine Gas Emissions or Potential	N	None recorded within 500m from Coal Authority data.
Recorded Coal Mining Surface Hazard	N	None recorded in Coal Authority data.
Surface Mining (Opencast workings)	Y	A sizable quarry had been identified on the historical maps from approximately 125 m north west. The Coal Authority also identifies a sizable 'unlicensed opencast site' from 100 m to the east, extending further southwards.

Further discussion on above:

The historical maps and the Coal Authority data have indicated a quarry to the north west of the site with shafts and adits, including ironstone level.

The Lower 7Ft Bottom Leaf seam is projected to outcrop south east of the site and dips to the south east and, therefore, is not anticipated to underlie the site. However, if the plotting of this is incorrect, or approximate, this seam may outcrop on the site.

The Five Foot seam is reported by the Coal Authority as a workable thickness and outcrops to the west of the site and is anticipated to dip to the east, and will thus underlie the site at shallow depth.

Whilst no direct evidence of underground workings is indicated beneath the site, due to the presence of anticipated shallow coal and adits located up gradient, a medium to high risk has been determined.

Further Desk Study Review Recommended:

We have not identified any further mining related desk study information which would significantly impact the conclusion of this report.

Intrusive Investigation Recommended:

The site is located within a Coal Authority defined 'Development High Risk Area'. The Five Foot seam is anticipated to be present at a workable thickness beneath the site and multiple former mining features have been noted in the local area. Given this, we recommend a rotary drillhole investigation is undertaken to prove the depths to potential coal seams and their precise thickness beneath the site.

Any intrusive investigation which intercepts Coal Authority interests (coal seams, workings or mine entries) requires a permit to be obtained from the Coal Authority prior to commencement.

Conclusions:

The site lies within an area of potential subsidence risk due to the presence of possible unrecorded mine workings within two seams of coal at shallow depth. An intrusive investigation, comprising rotary boreholes is recommended to clarify the potential risk.

Report Prepared by: Matthew Rowe-Smith Engineer	Reported Checked by: Matthew Elcock Projects Manager	Reported Approved by: Matthew Eynon Director	Date: 3.3.21
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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

Earth Science Partnership

Enquiry address

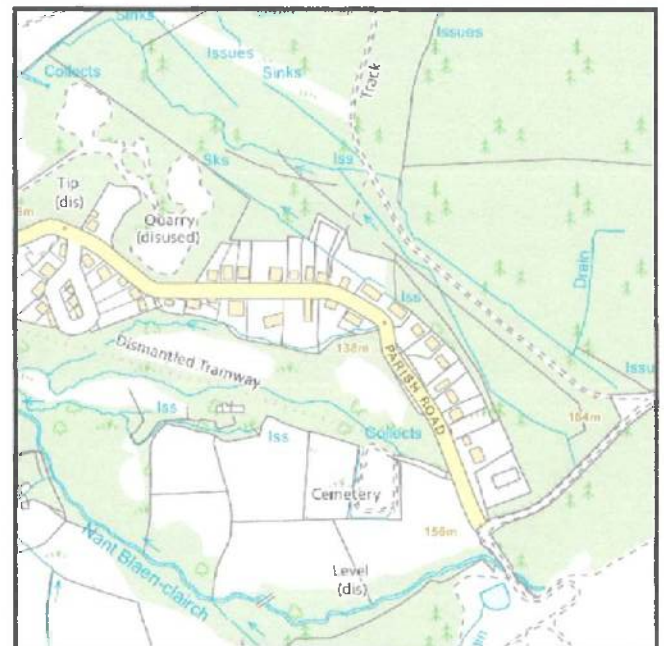
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Blaengwrach
Neath Port Talbot
SA11 5SW

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

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com



Approximate position of property



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 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority

Section 1 – Mining activity and geology

Past underground mining

No past mining recorded.

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

None recorded within 100 metres of the enquiry boundary.

Abandoned mine plan catalogue numbers

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

SW2705	PO0	
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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	6.7	North-West	37
LOWER 7FT BOTTOM LEAF	Coal	Yes	Within	N/A	18

Geological faults, fissures and breaklines

No faults, fissures or breaklines 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

None recorded within 50 metres of the enquiry boundary.

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

Based on the responses in this report, no further information has been highlighted.

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

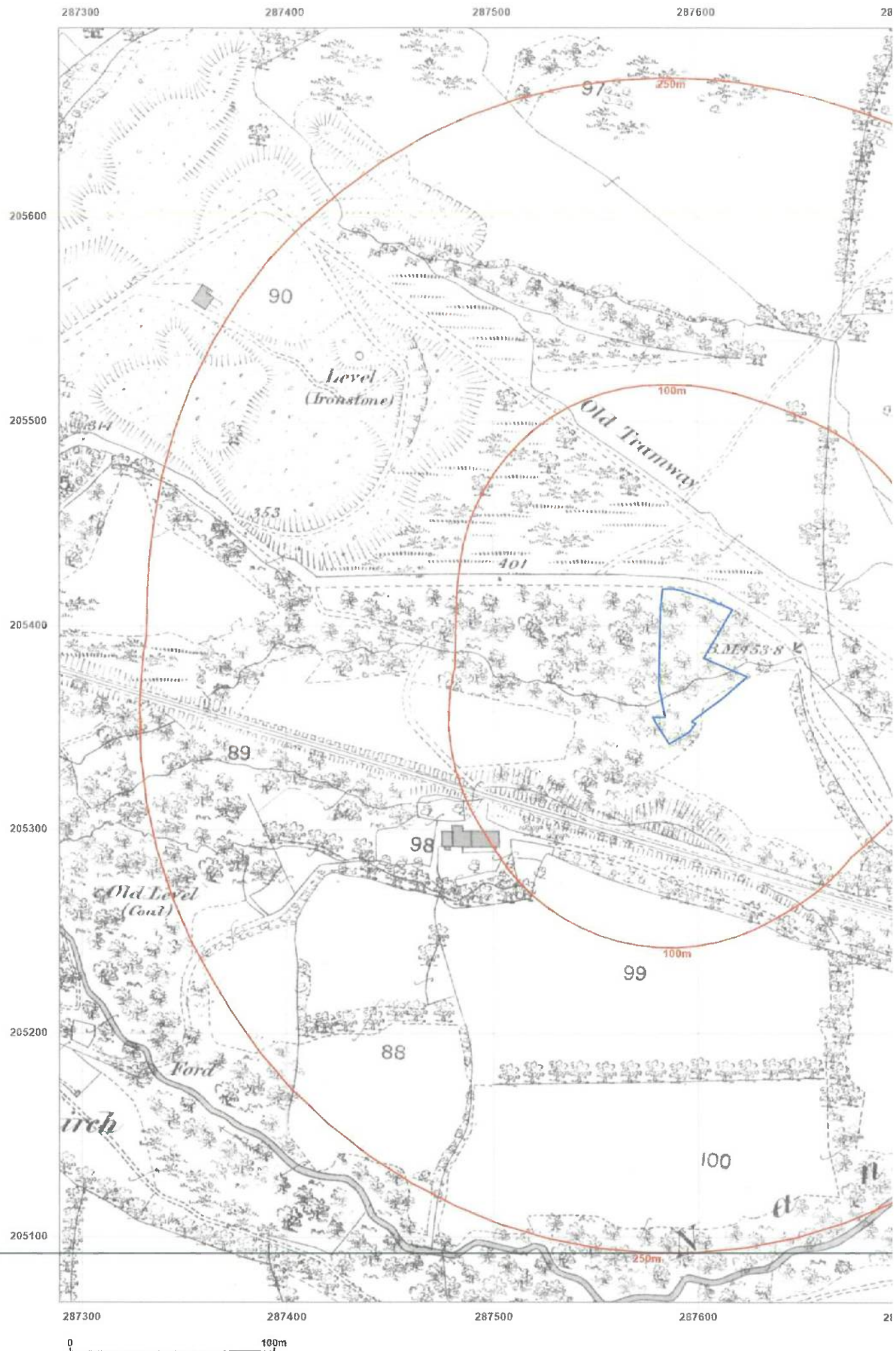
Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

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.

Unlicensed opencast site





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287400

287500

287600

28

205600

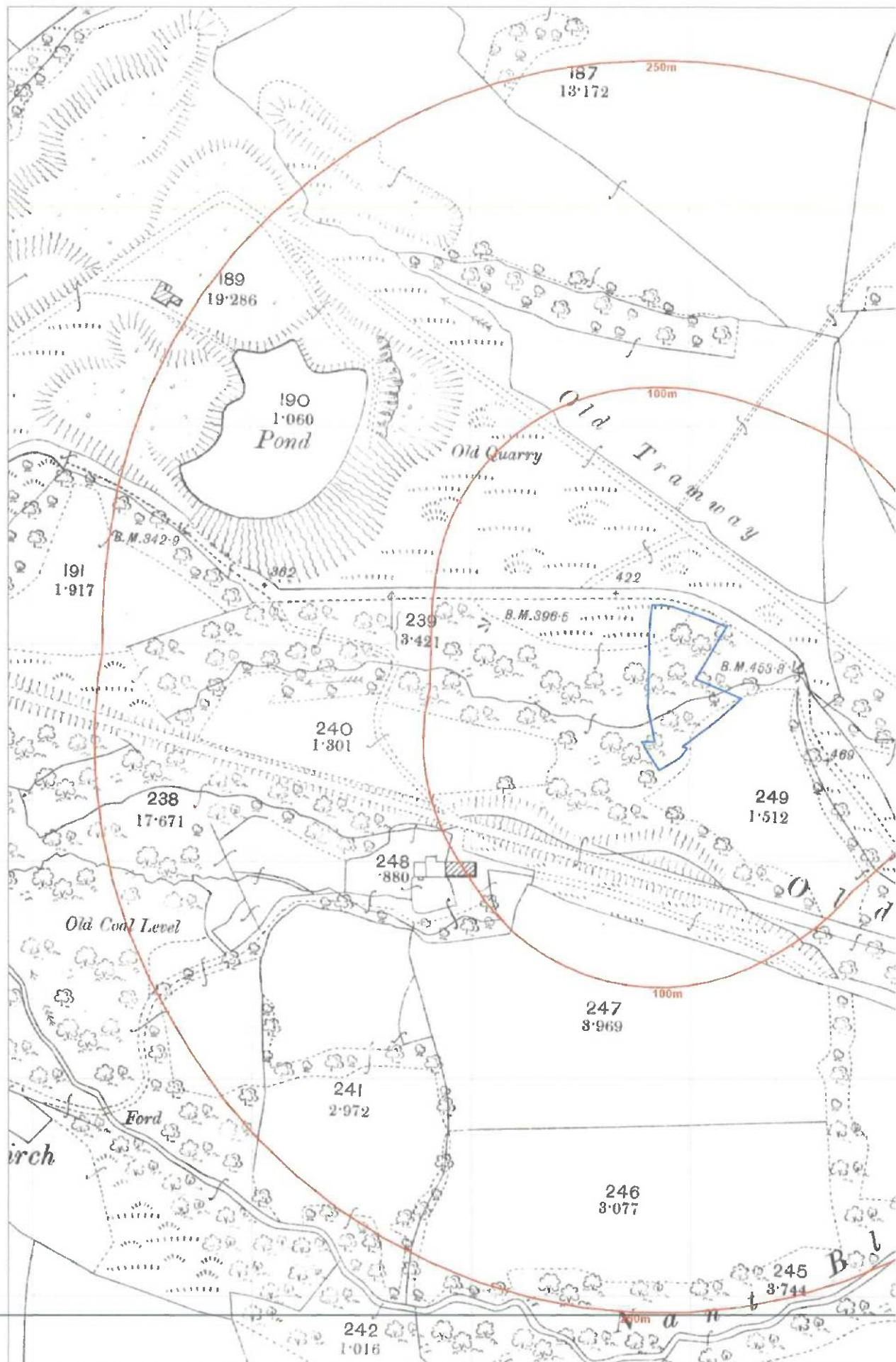
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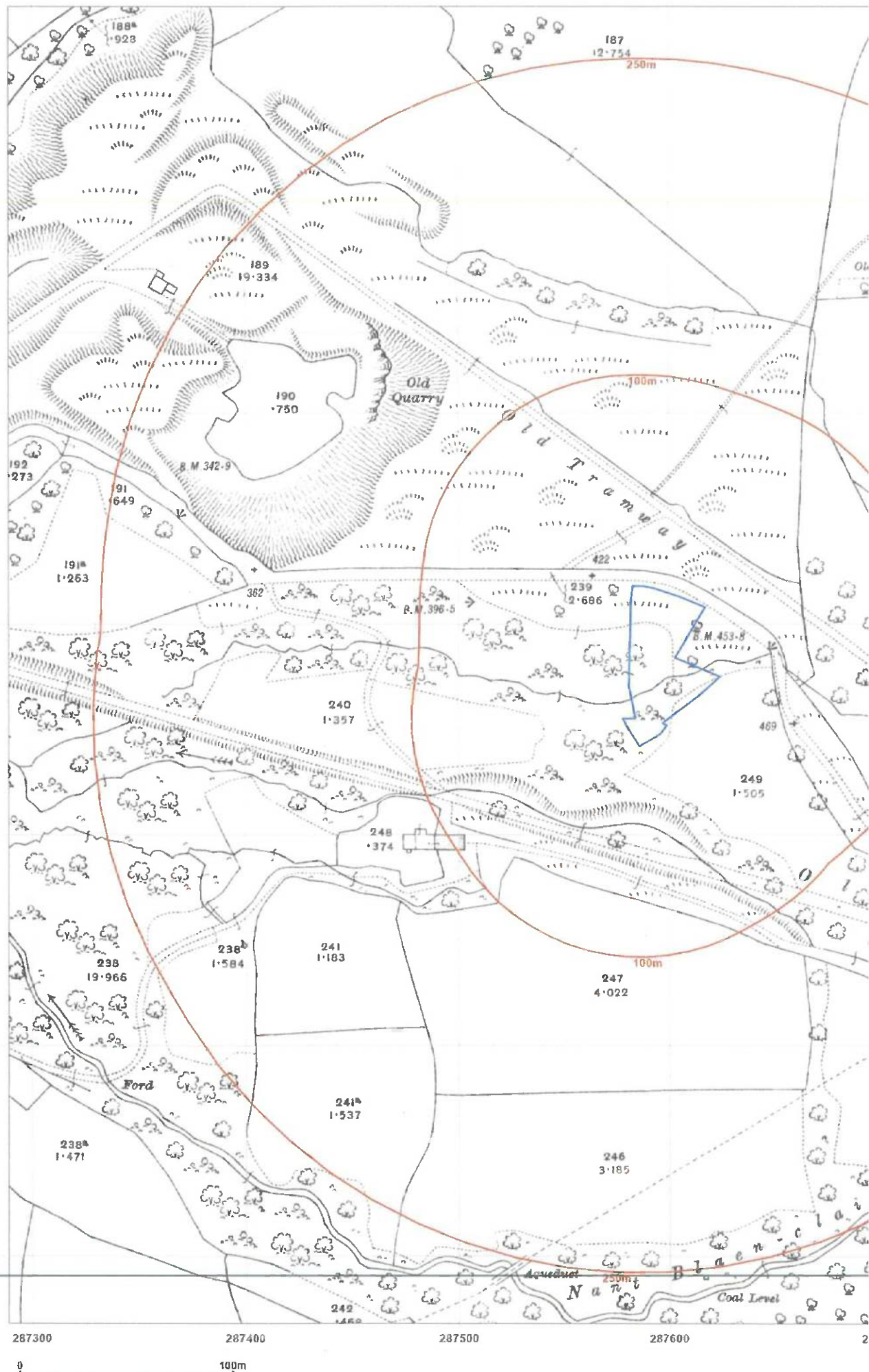
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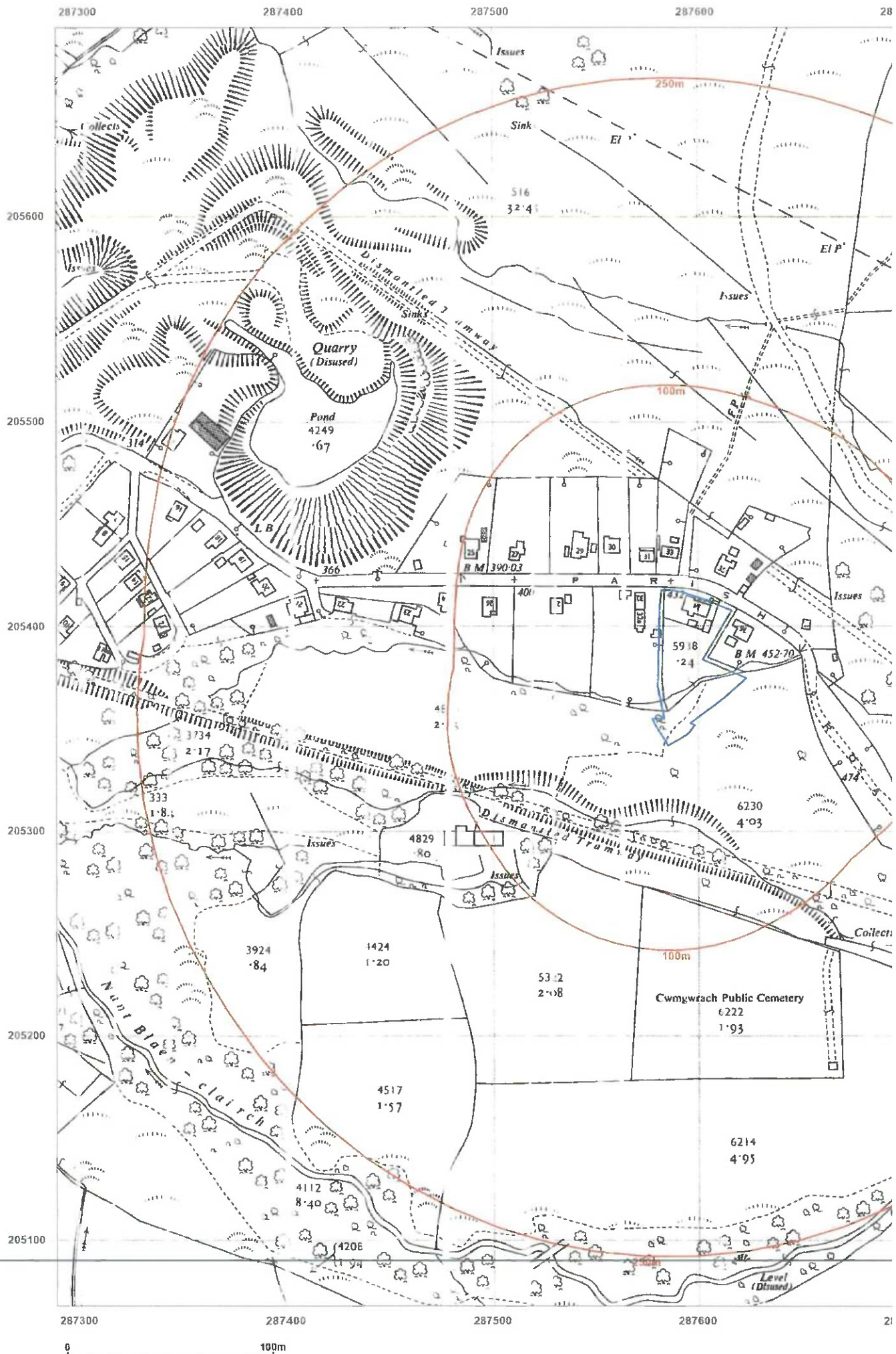
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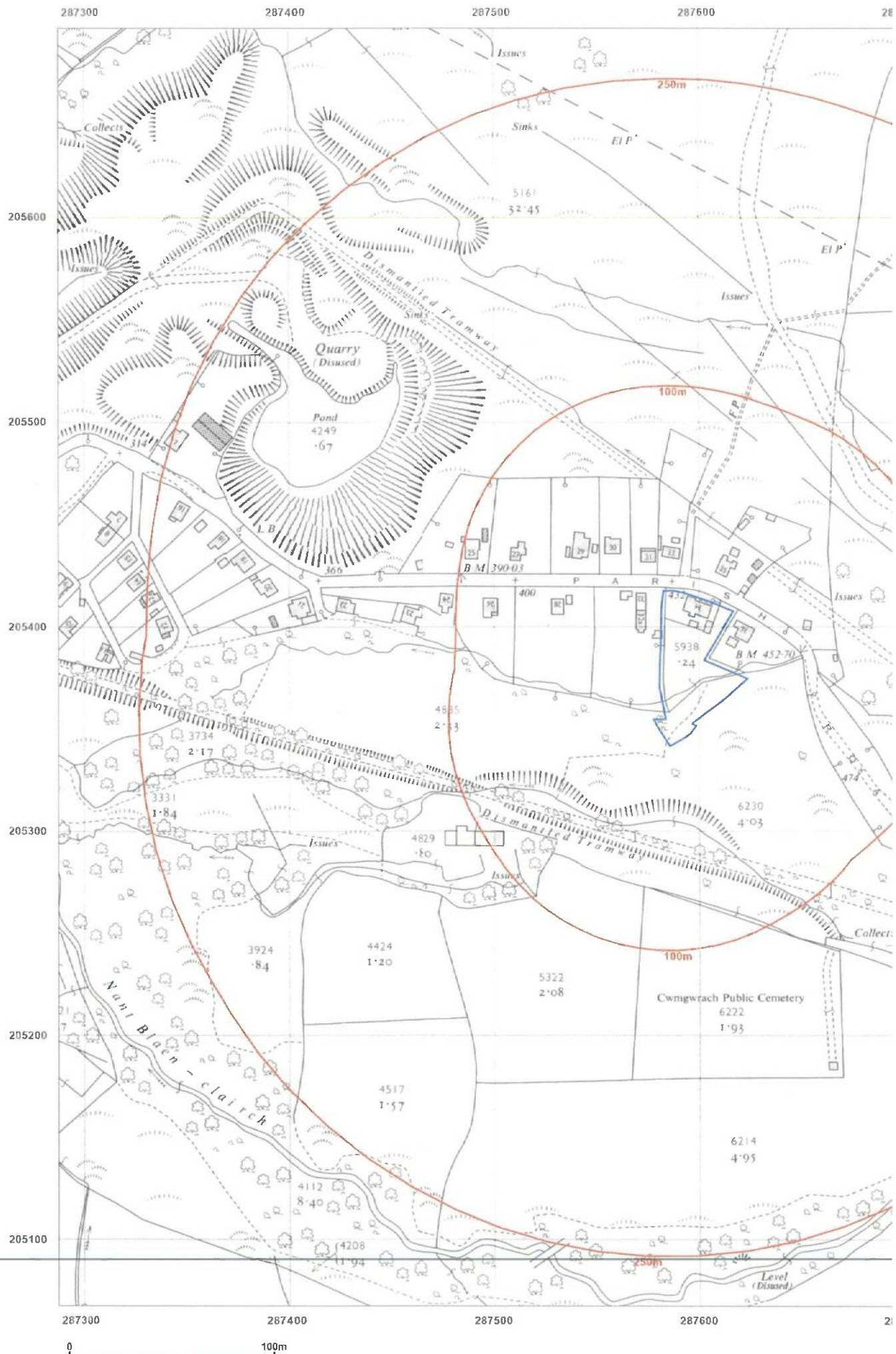
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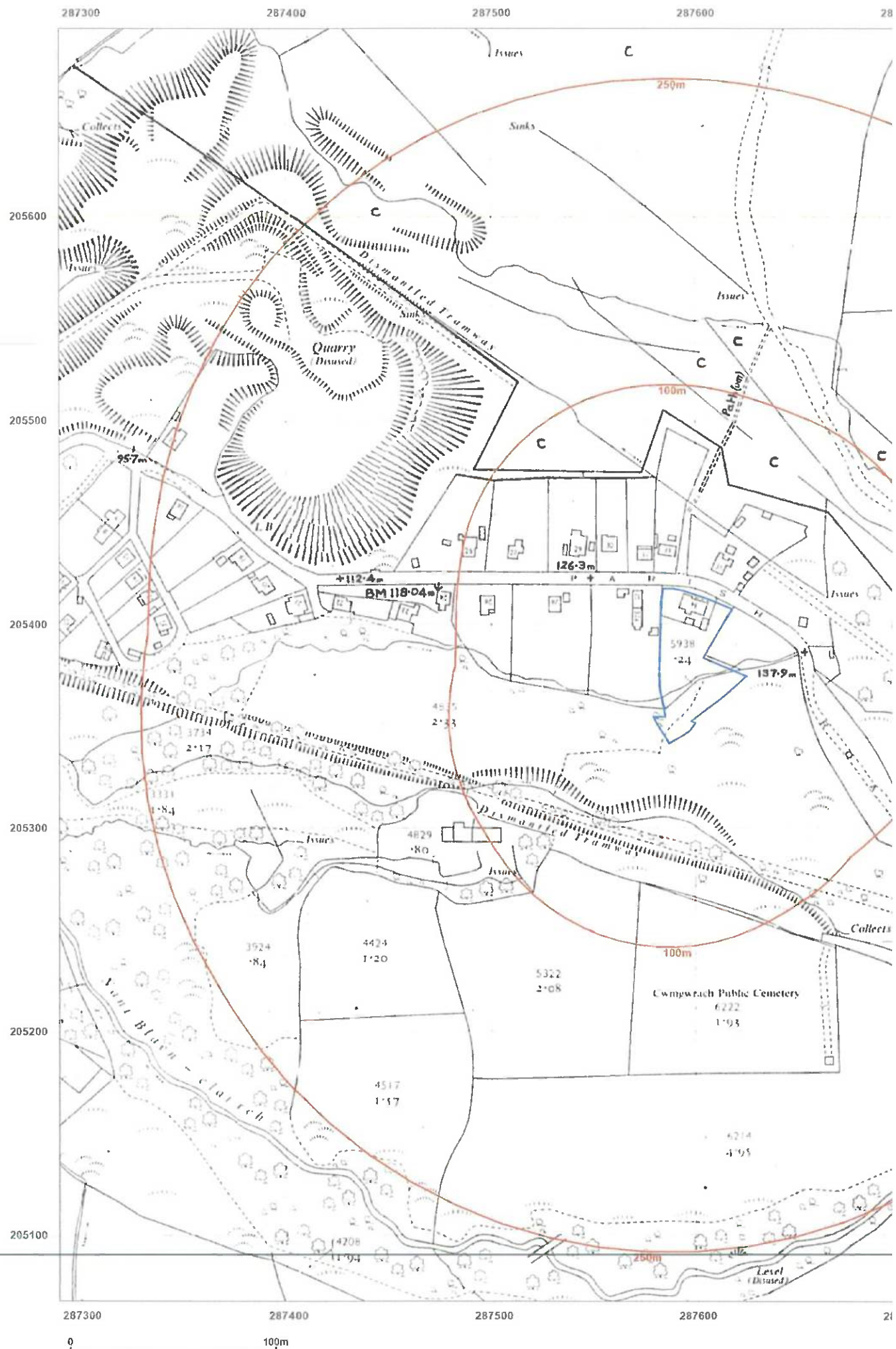
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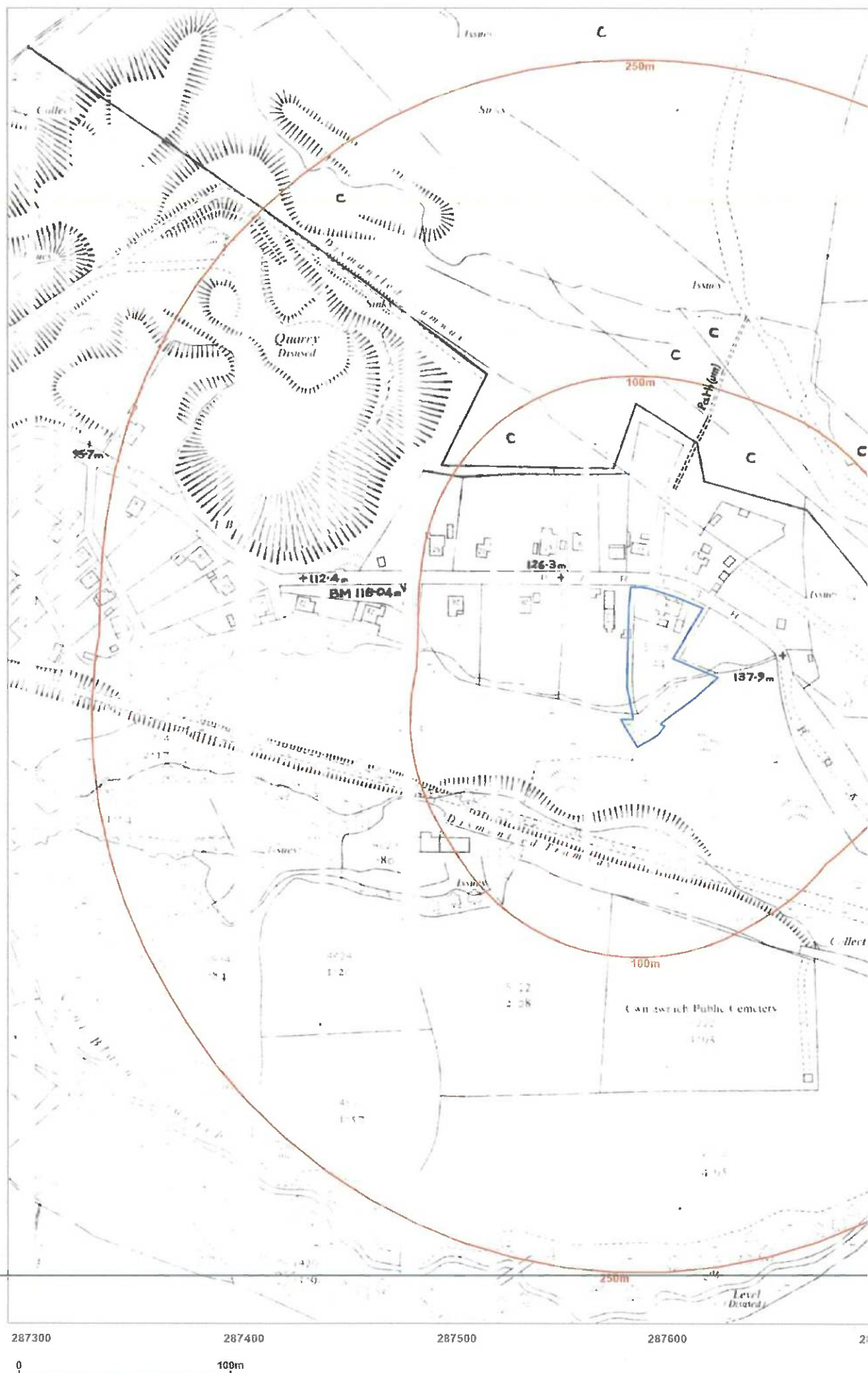
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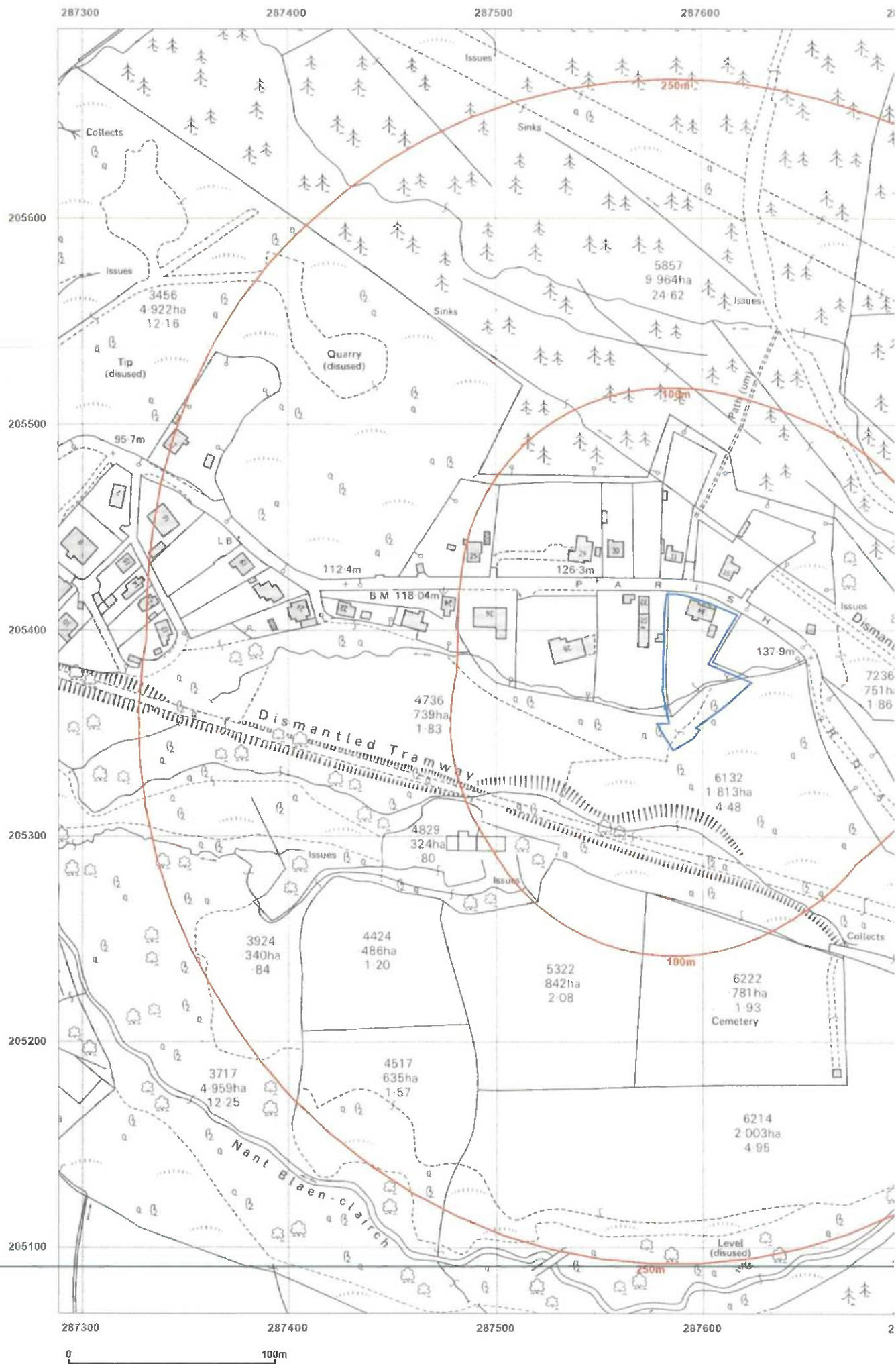
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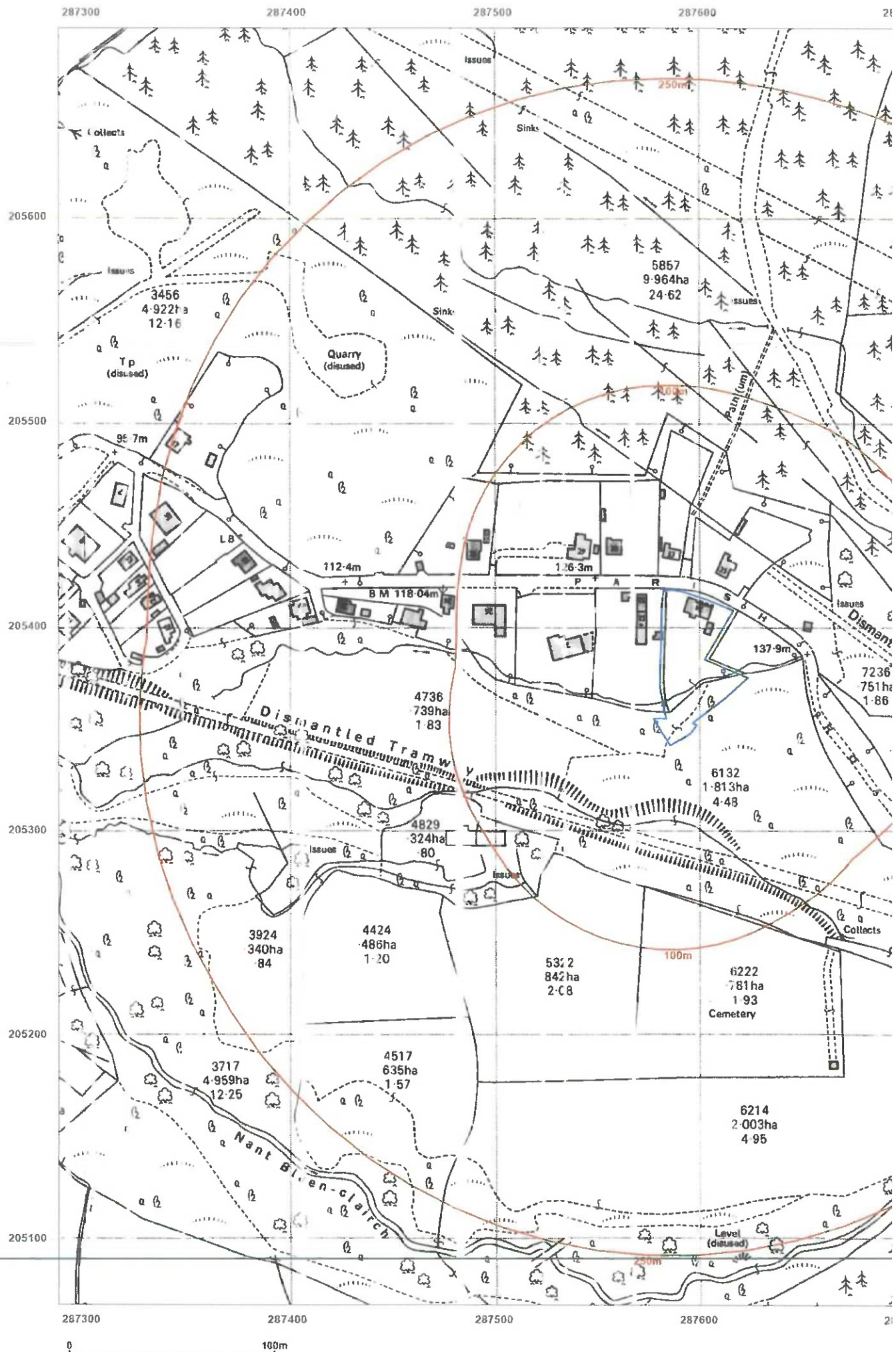
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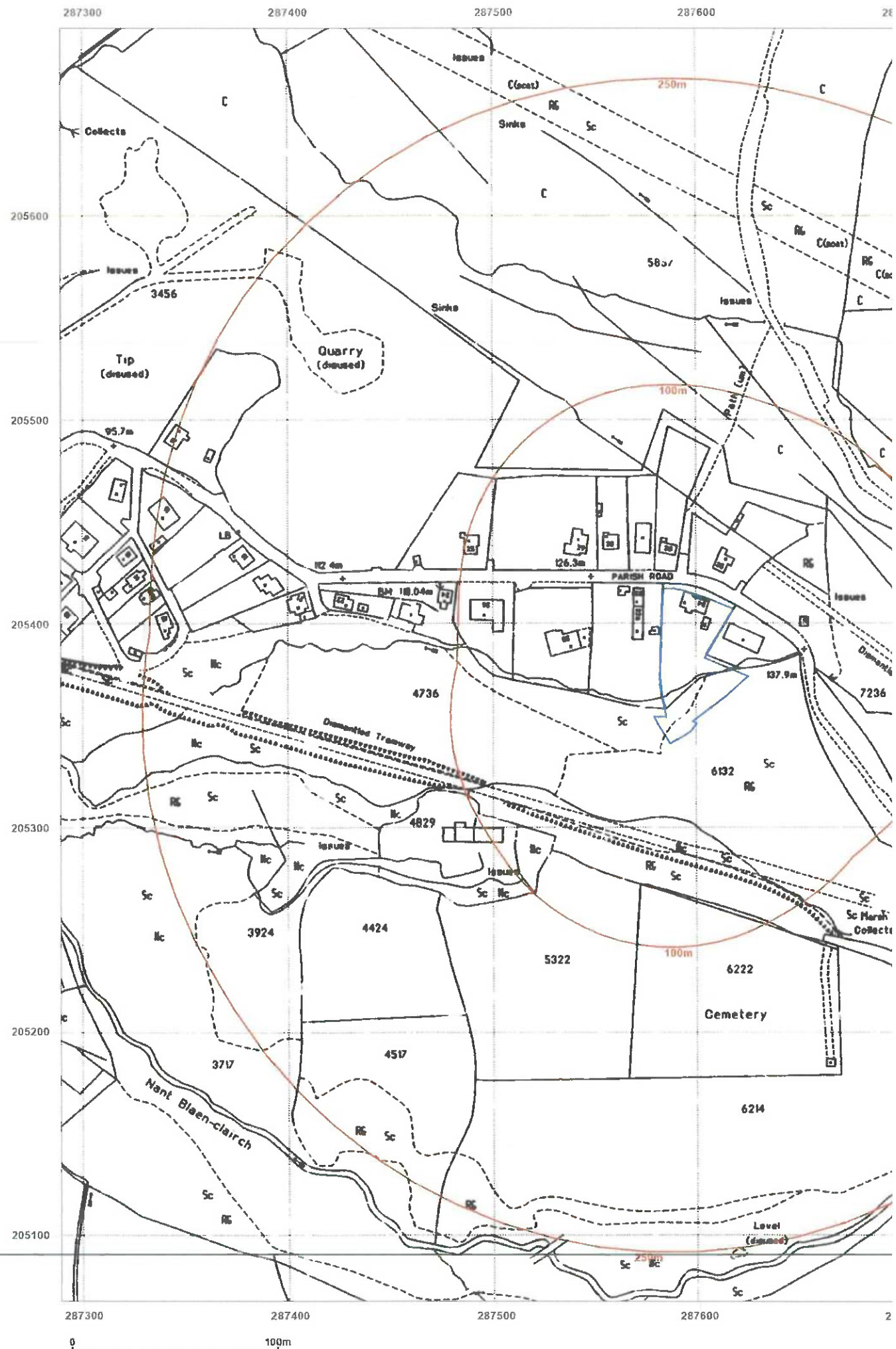
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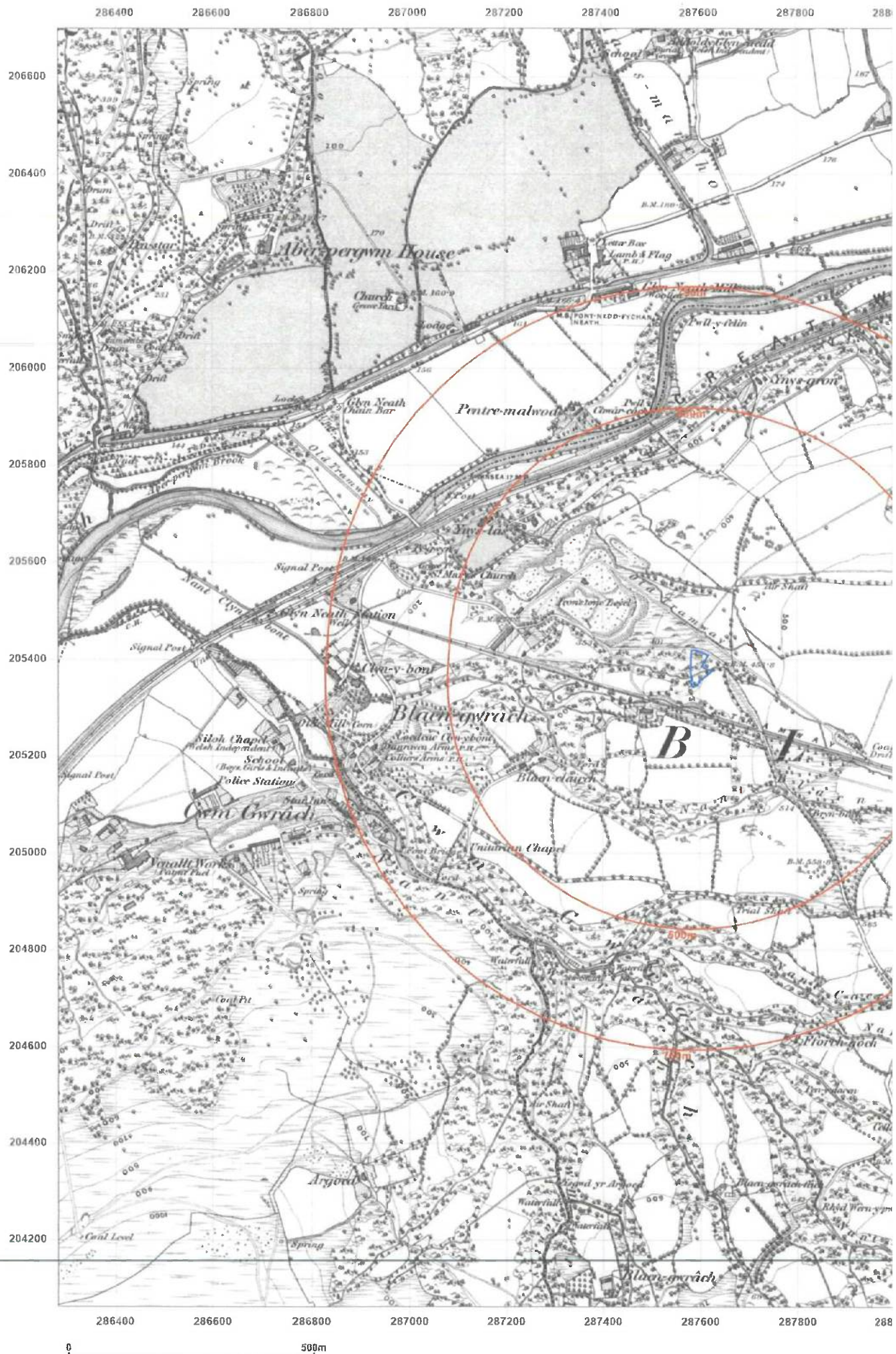
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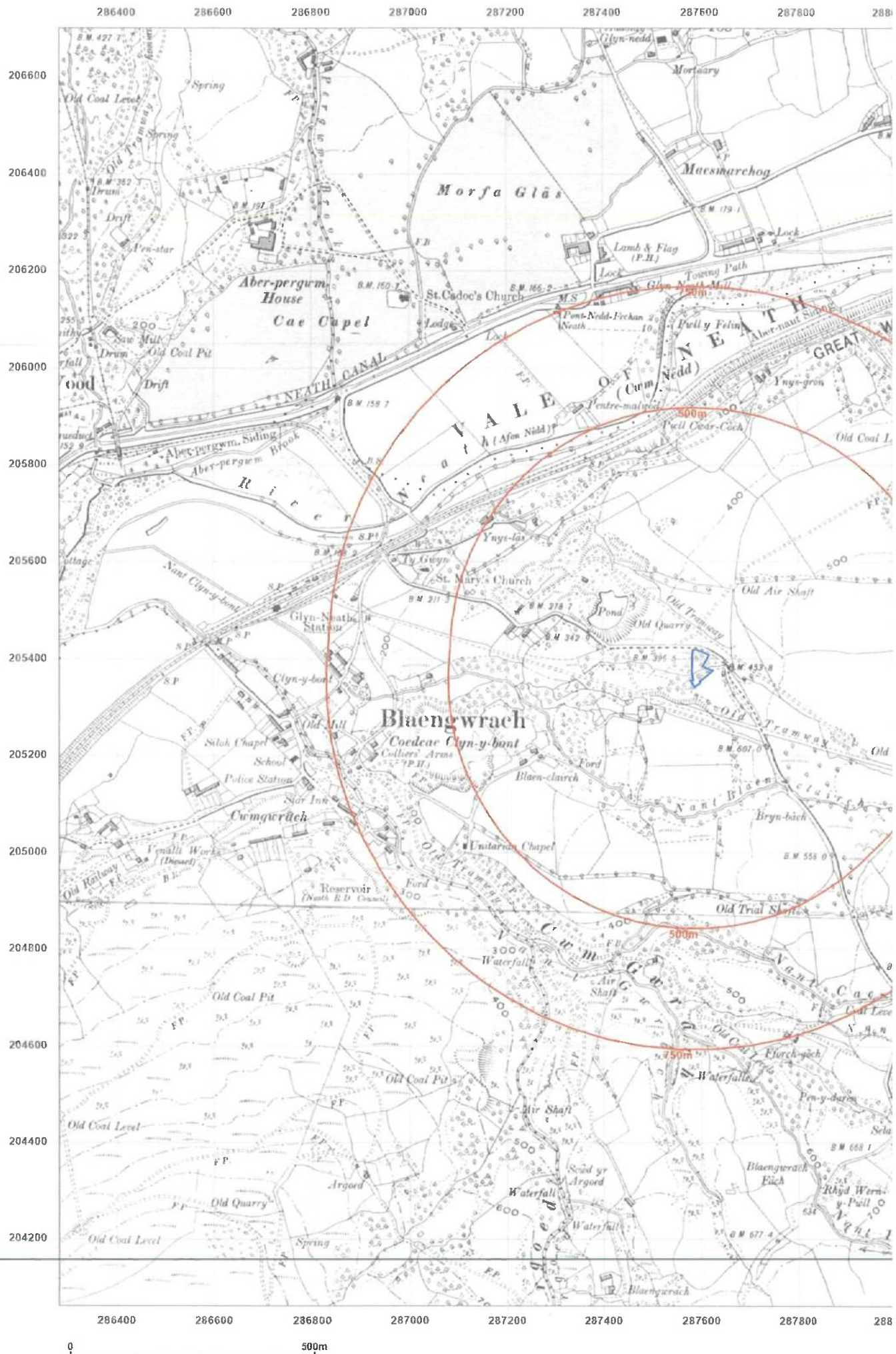
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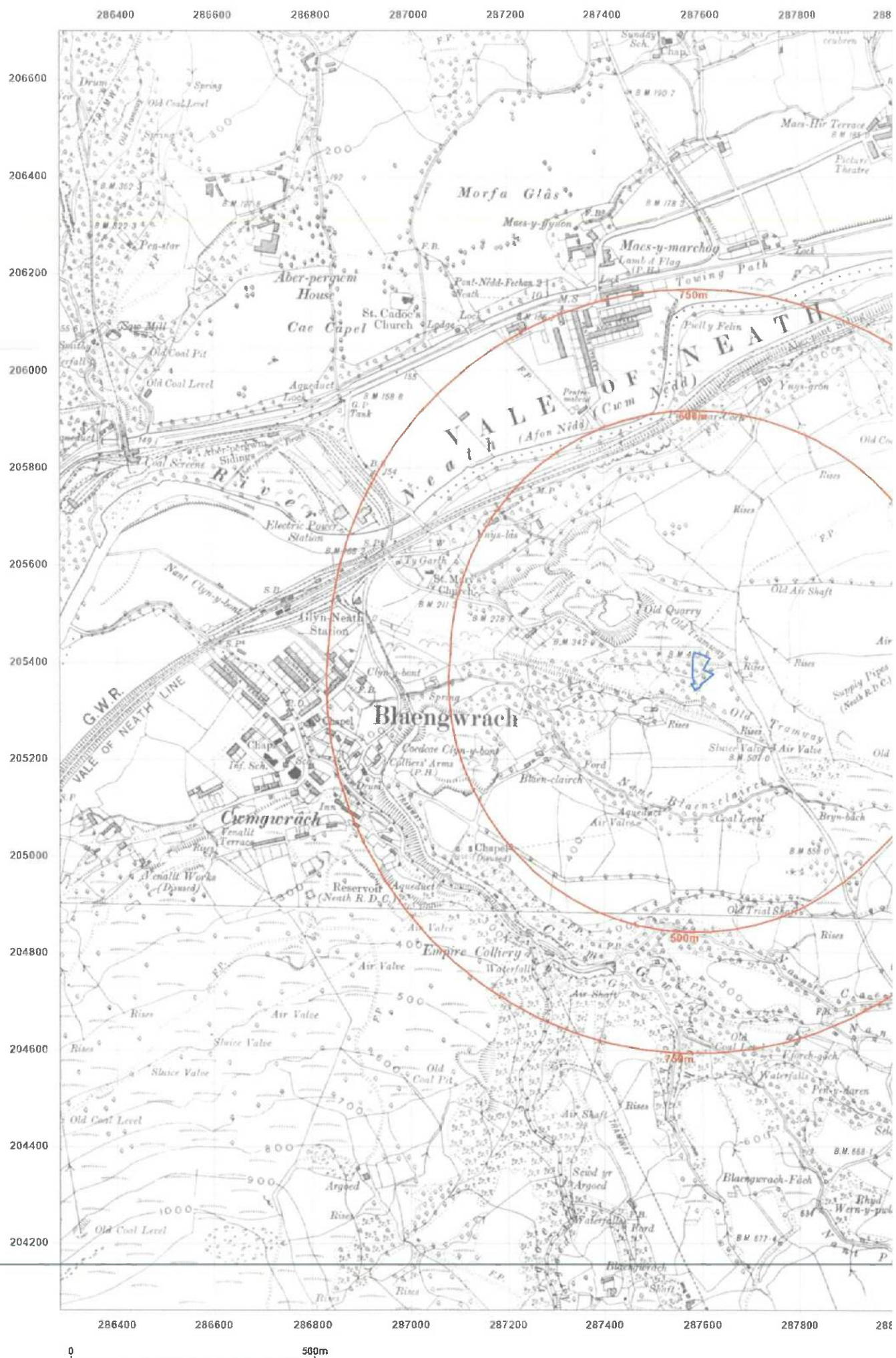


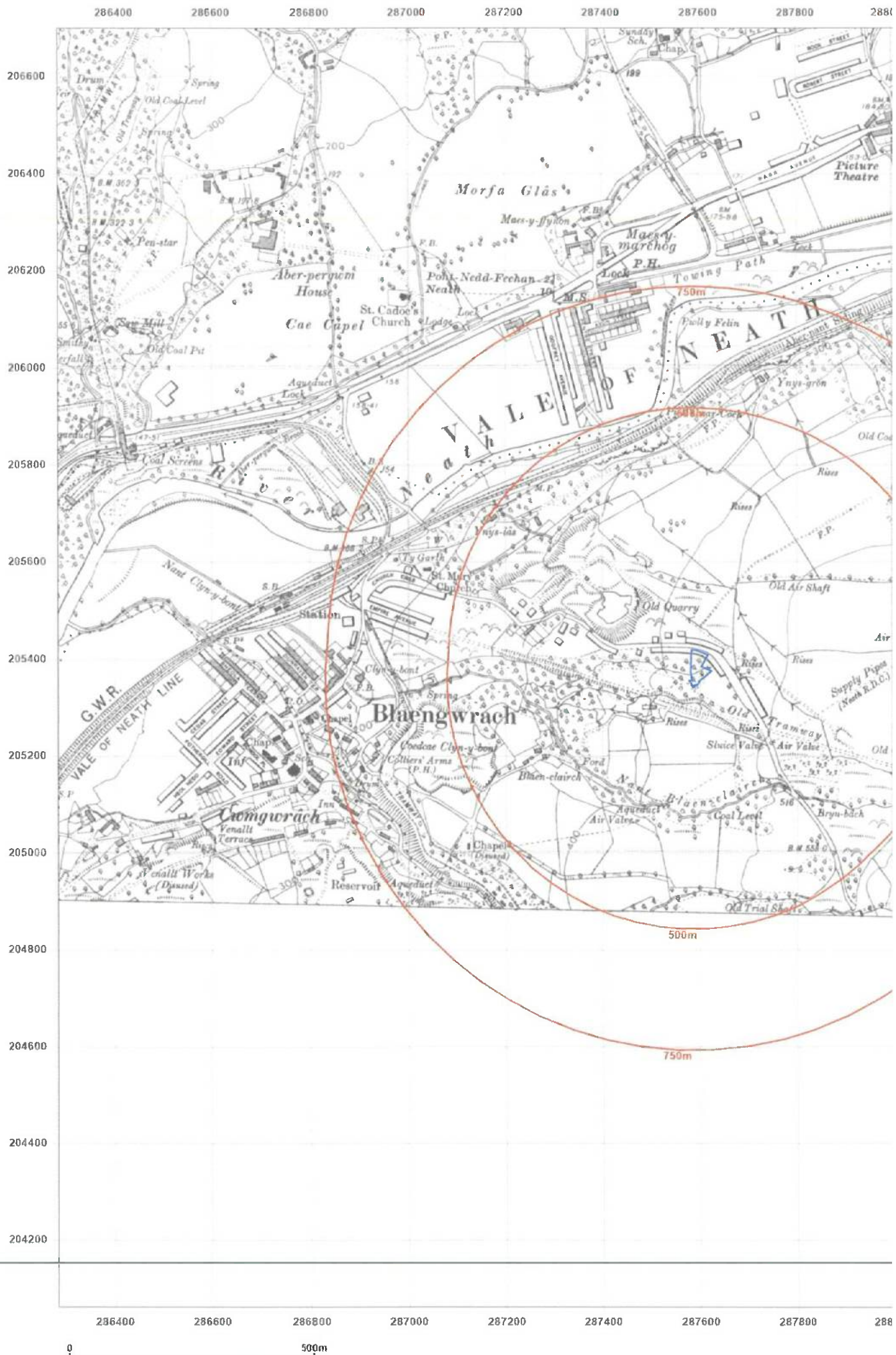


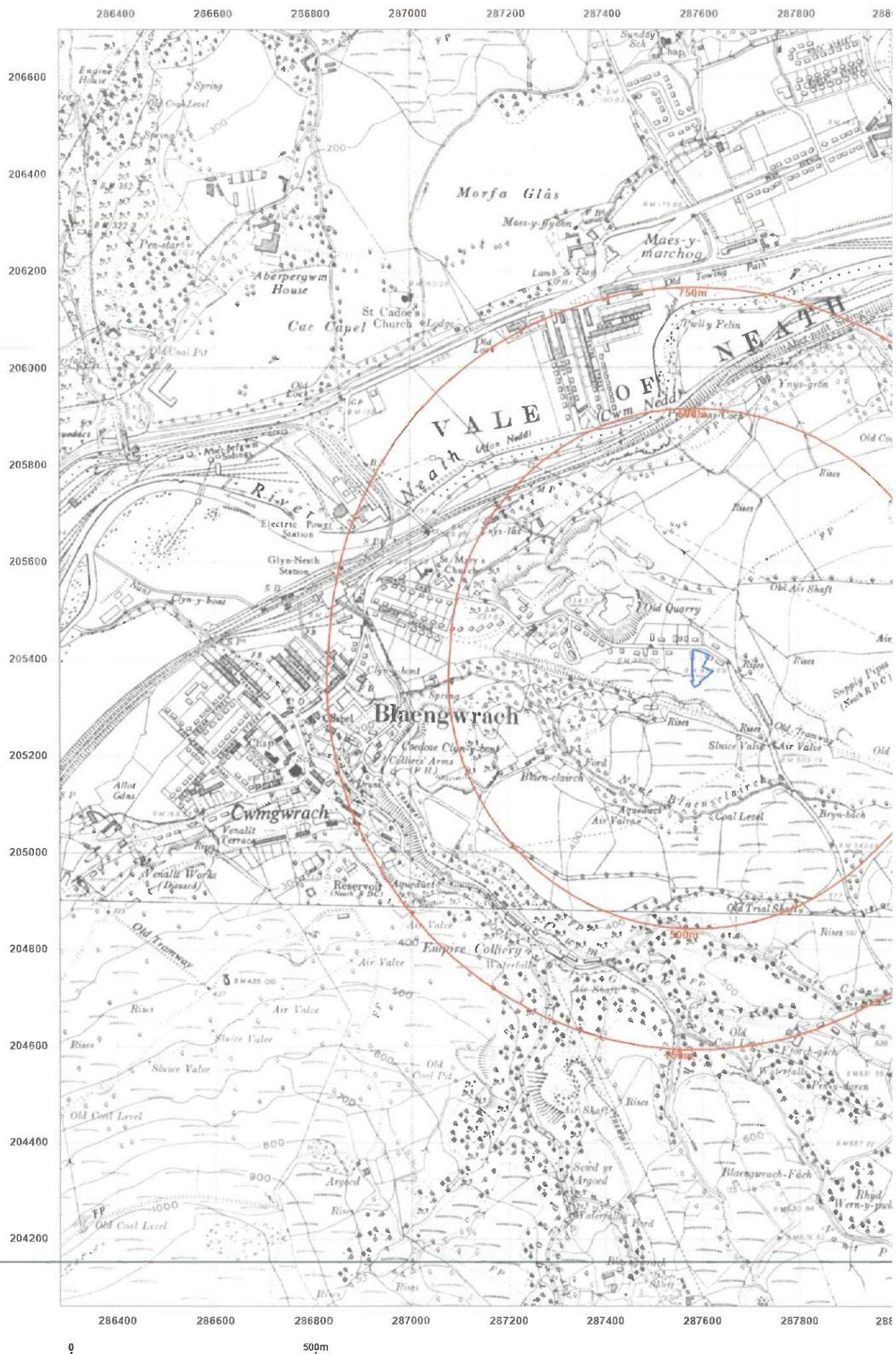


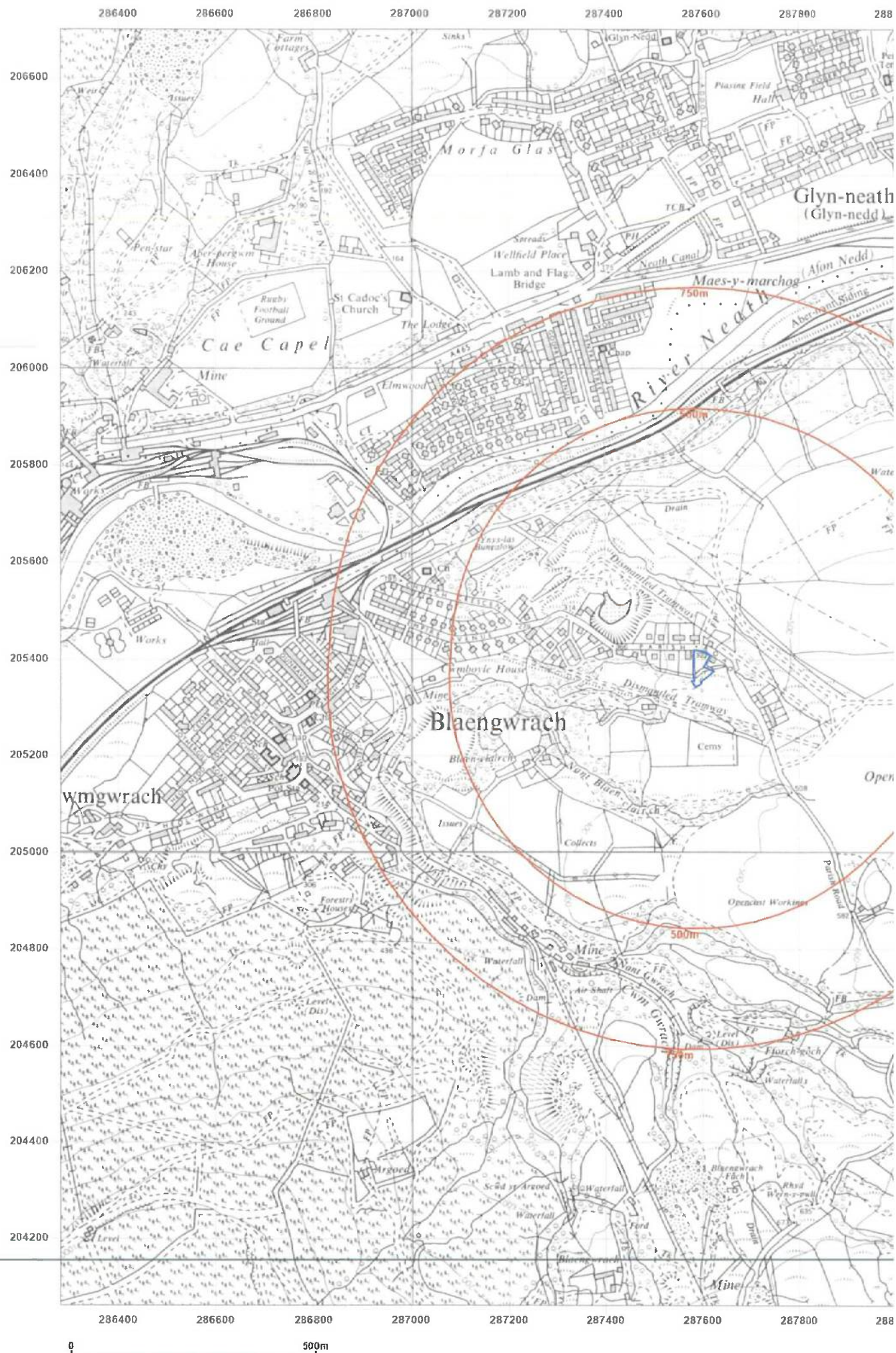


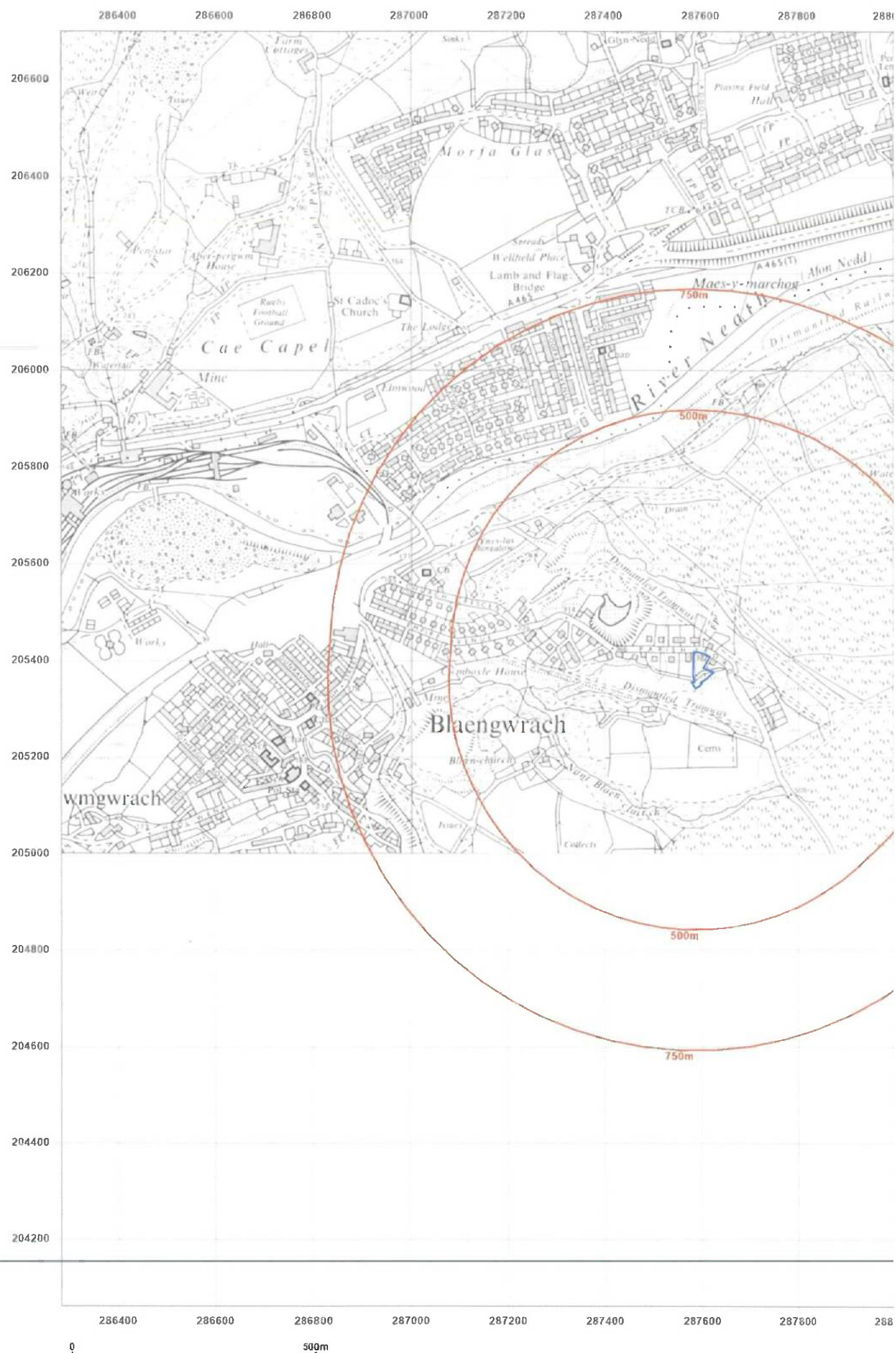


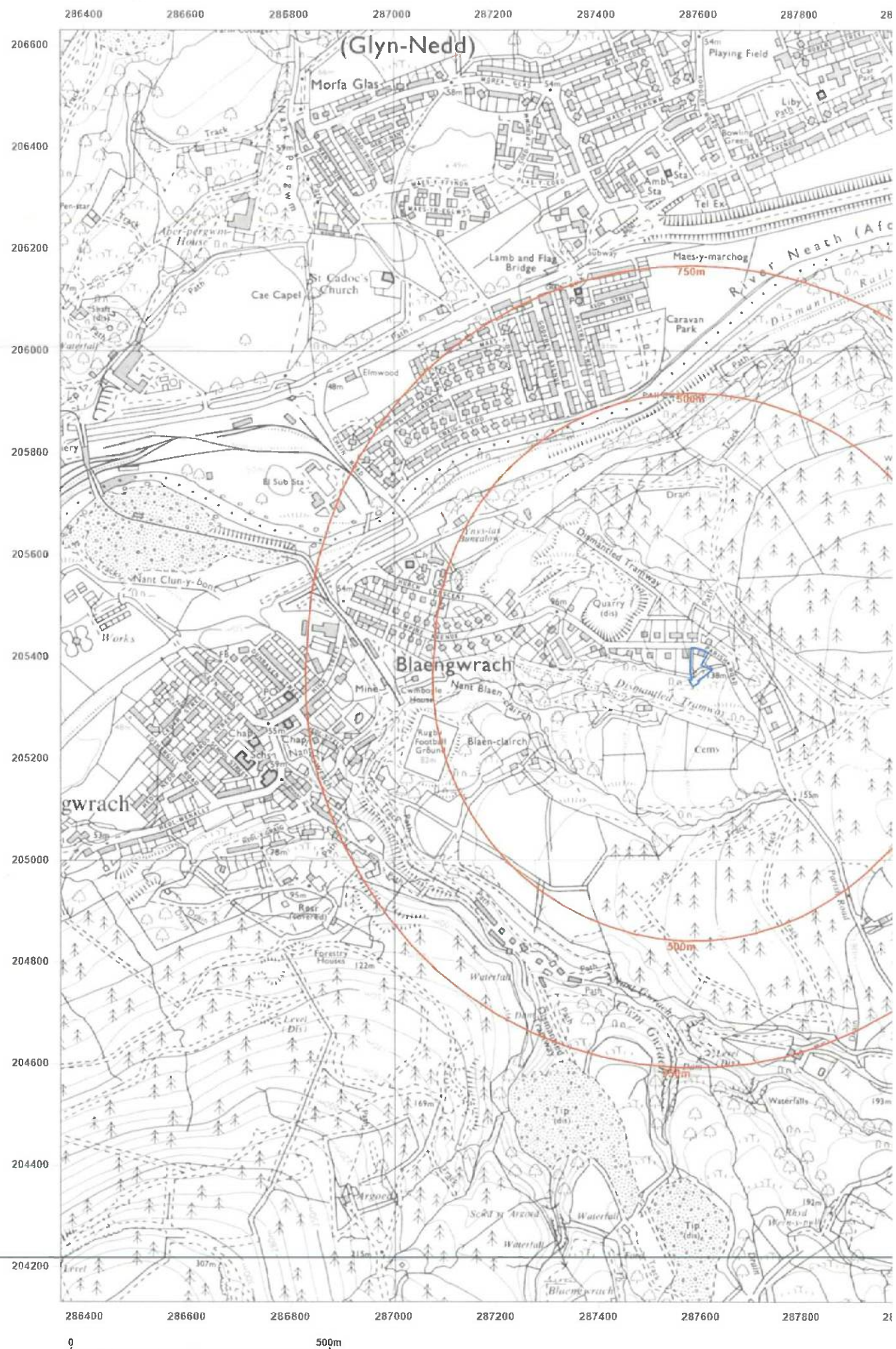


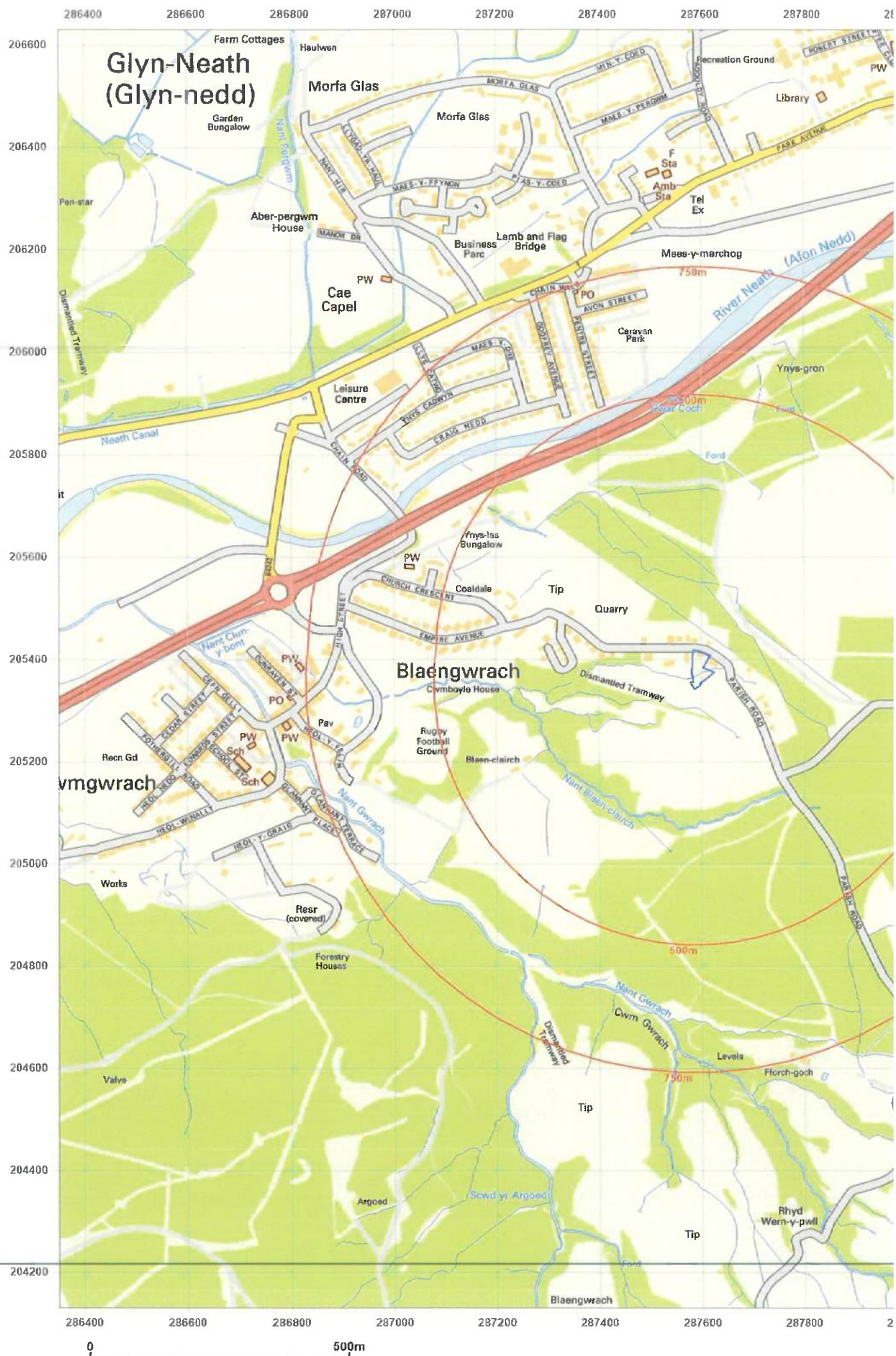


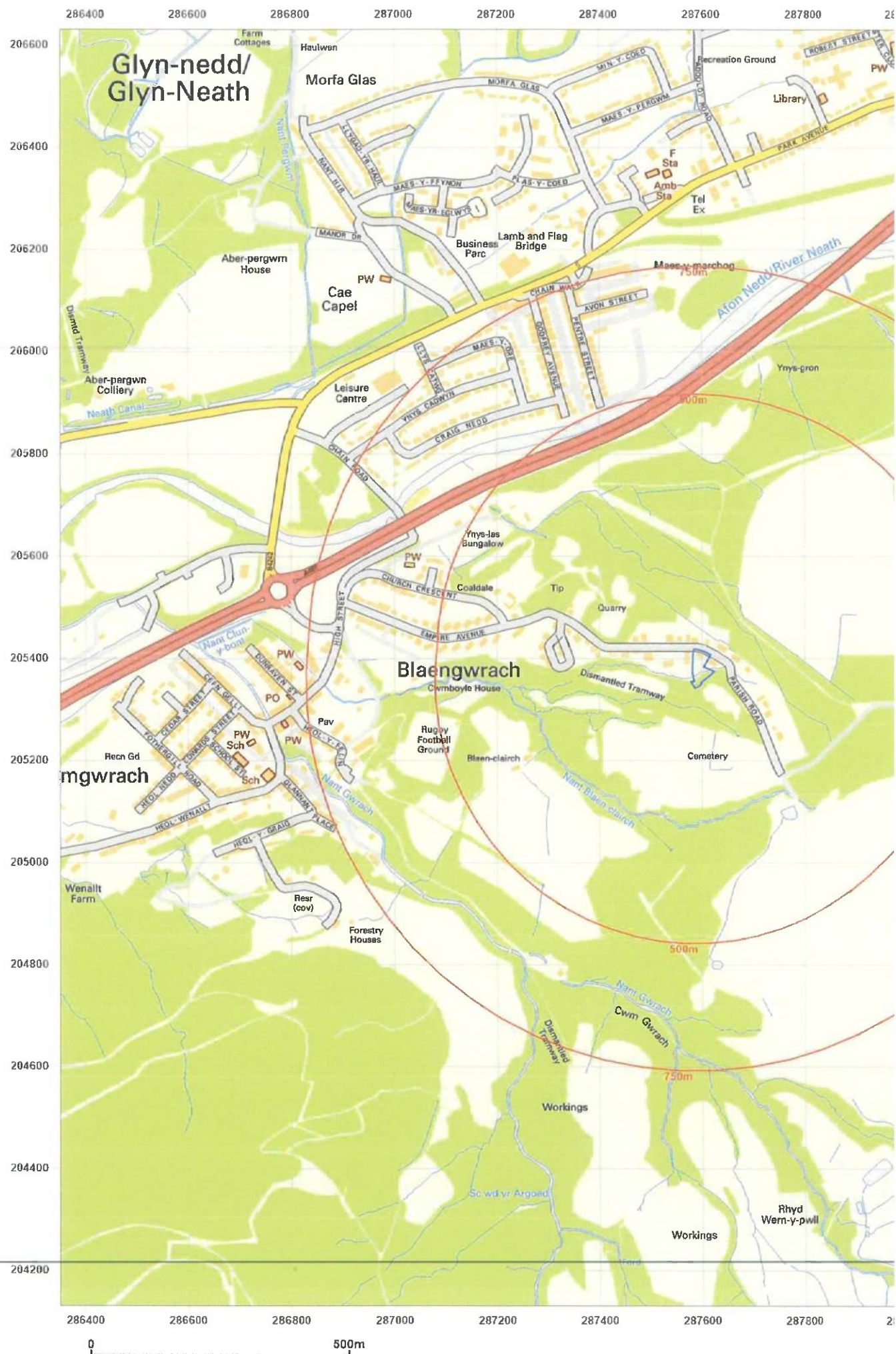


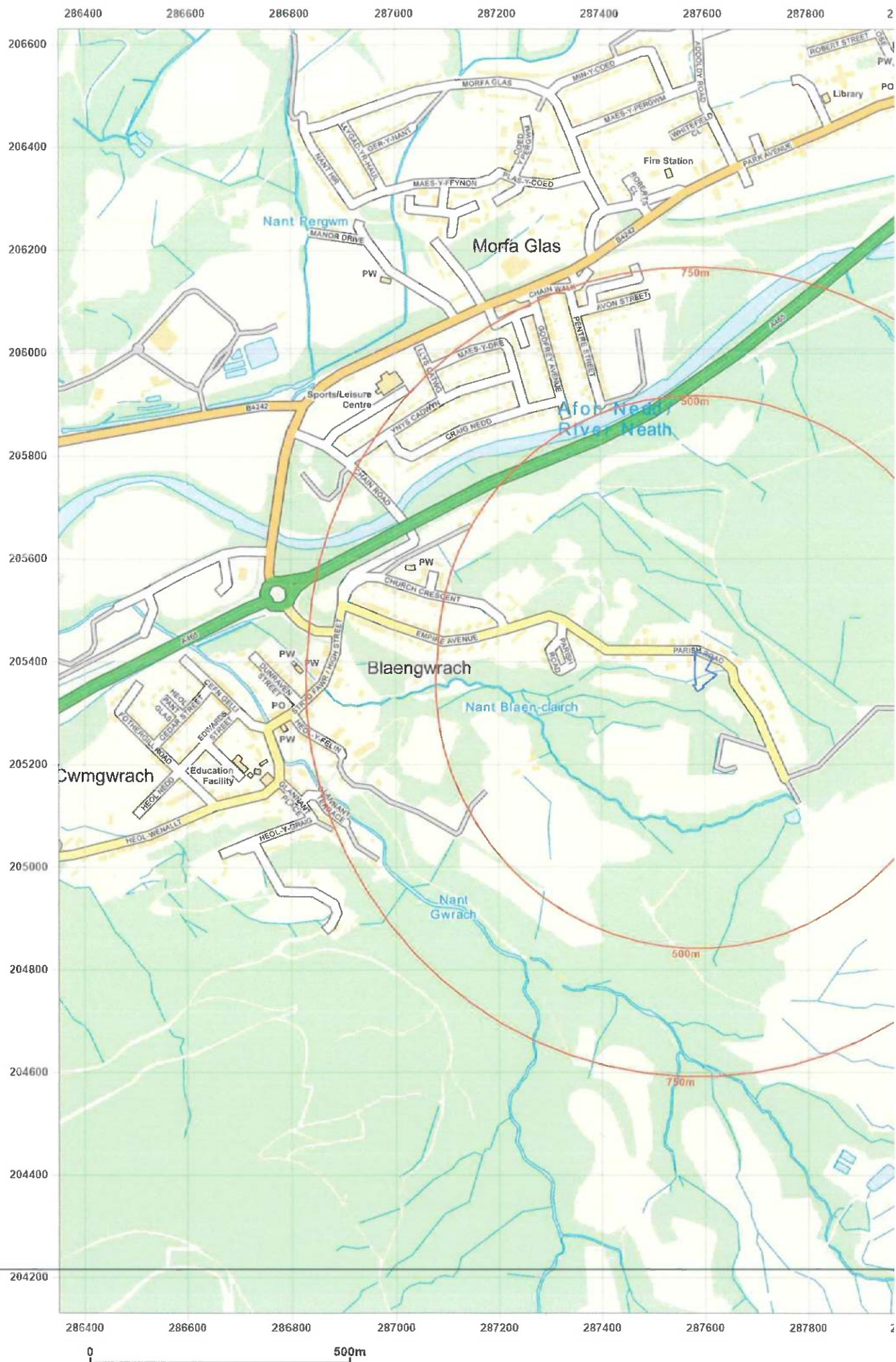












From: Ann Langan accounts@earthsciencepartnership.com
Subject: Invoice 4804 (Parish Road, 7787mte)
Date: 11 February 2021 at 14:20
To: russellrichards715@yahoo.com

AL

Please find attached Invoice 4804 in relation to the above project.

Regards

Ann Langan | Office Manager

Direct 02920813385 | Office 02920813385

Earth Science Partnership

Consulting Engineers | Geologists | Environmental Scientists

Read our most recent news [here](#).

Directors:

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M R EYNON, BSc, MSc, CEng, FGS, ROSEP Specialist

Associate Director:

D R BETTOS, BSc, MSc, CEng, FGS, ROSEP Professional

Principal Geologist:

J P HUCKER, BSc (Hons), CEng, FGS, ROSEP Advisor

Consultants:

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Taff's Well

CARDIFF

CF15 7RB

TEL: (029) 2081 3385

www.earthsciencepartnership.com enquiries@earthsciencepartnership.com

INVOICE

Invoice Date: 11 February 2021

Contract Number: 7787mte

Invoice Number: 4804

Purchase Order No.:

VAT Registration Number: 655 8252 14

VAT Rate: 20%

To: Russell Richards
32 Parish Road
Cwmgwrach
Neath
SA11 5SW

By Email To: russellrichards715@yahoo.com

PROPOSED BUNGALOW PRELIMINARY COAL MINING RISK ASSESSMENT

In respect of our Offer dated 10th February 2021 (ref. 7787mte), and your subsequent instruction to proceed dated 11th February 2021.

Item	Cost (£)
Interim Invoice - 50% of assessment cost to enable works to commence	200.00
Total (Excl. VAT)	200.00
VAT	40.00
Total (Incl. VAT)	240.00

IMMEDIATE PAYMENT REQUIRED

ELECTRONIC PAYMENT METHOD DETAILS - please quote the invoice number: 4804

Earth Science Partnership Ltd:
HSBC Bank Account No: 11237675
IBAN: GB37HBUK40080311237675

Sort code: 40-08-03
SWIFT: MIDLGB2115R