



Intrusive Coal Mining Risk Assessment

Site: Elwyn Drive

Prepared For: Mr Jason Cox

Issue Date: September 2026

Job No: 13319A

REPORT TITLE : **Intrusive Coal Mining Risk Assessment:
Proposed Residential Development, Elwyn
Drive, Merthyr Tydfil**

JOB NUMBER : **13319A**

ISSUE DATE : **September 2026**

REPORT REFERENCE : **090926-17683-2**

Document Revision Record

Issue Number	Date	Revision Details
1	31/05/2023	Draft
2	09/09/2026	Final + Update Report Date

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Executive Summary

Site Location and Proposed Development	The site is situated off Elwyn Drive, Merthyr Tydfil, CF47 0NJ. Presently the site is occupied by an office/storage building and yard. The proposed development will comprise a pair of semi-detached houses.
Site History	The site remained as rough grassland/field land until the construction of the current site building between 1957 and 1973.
Geology and Ground Conditions	Glacial till deposits are recorded on site, overlying rocks of the Lower Coal Measures. The Garw coal seam and underlying ironstones are indicated on the geological map to pass beneath the site at shallow depth. The site investigation identified the Garw coal seam at 7.6 – 8.8m depth, measuring 0.2 - 0.3m in thickness, with ironstone bands featuring below. Made ground comprising colliery spoil was present in one of the three boreholes drilled on site to 1.2m depth.
Coal Mining Risk Assessment	The Coal Authority inform that the site is not within the zone of likely influence on the surface from past underground workings. However, the site lies within an area where the Coal Authority believe there is coal at or close to the surface that may have been worked at some time in the past. This refers to the Garw coal seam. There are no known coal mine shaft entries upon, or within 20 metres of, the boundary of the property. No evidence of any coal or ironstone mining was identified in the exploratory holes, such as voids, or backfilled workings. It may therefore be concluded that there are no mining related ground instability risks to the proposed houses at the site.

TABLE OF CONTENTS

SECTION 1 Introduction and Proposed Development	1
1.1 Introduction	1
1.2 Limitations and Exceptions of Investigation	1
1.3 Quality Assurance	1
SECTION 2 Review of Existing Data	2
2.1 Physical Setting and Current Site Use	2
2.2 Site History	3
2.3 Geological Setting	4
2.3.1 Geology	4
2.3.2 Mining	5
SECTION 3 Field Investigation	6
3.1 Site Works	6
3.2 Ground Conditions	7
3.3 Groundwater	7
SECTION 4 Coal Mining Risk Assessment	8
Tables	
Table 2.1 Historical Development from Map Information	3
Table 2.2 Detailed Stratigraphical Information	4
Table 3.1 Summary of Ground Conditions	7
Figures	
Figure 2.1 Site Location	2
Figure 2.2 Site Layout	2
Figure 2.3 Extract from Geological Map	4
Figure 3.1 Borehole Locations	6
Figure 4.1 Geology and Strata	8
Annexes	
ANNEX A Historical Maps	
ANNEX B Coal Authority Report & Permit	
ANNEX C Borehole Logs	

SECTION 1 Introduction and Proposed Development

1.1 Introduction

Mr Jason Cox is proposing the construction of a pair of semi-detached houses on a plot of land off Elwyn Drive, Merthyr Tydfil.

TFW Group Limited has been commissioned by the Client to undertake a geotechnical investigation of the site.

The main objectives of the mining site investigation are to investigate the risk, if any, from historical shallow underground mining features

In order to achieve the above objectives, TFW Group Limited carried out an assessment programme including a site walkover, a review of existing data, followed by a field investigation to collect geotechnical data from selected locations.

1.2 Limitations and Exceptions of Investigation

The Client has requested that a Intrusive Coal Mining Risk Assessment be performed to enable the outlined main objectives.

The assessment was conducted, and this report has been prepared for the sole internal reliance of the Client and his design and construction team. This report shall not be relied upon or transferred to any other parties without the express written authorisation of TFW Group Limited. If an unauthorised third party comes into possession of this report, they rely on it at their peril and the authors owe them no duty of care and skill. The report represents the findings and opinions of experienced geoenvironmental and geotechnical consultants. TFW Group Limited does not provide legal advice and the advice of lawyers may be required.

The subsurface geological profiles, are generalised by necessity and have been based on the information found at the locations of the exploratory holes and depths sampled and tested.

1.3 Quality Assurance

The quality and environmental aspects of the assessment comply with TFW Group Limited business management system which is UKAS Accredited to ISO 9001:2015 and ISO 14001:2015 standards.

SECTION 2 Review of Existing Data

2.1 Physical Setting and Current Site Use

The site is situated off Elwyn Drive, Merthyr Tydfil, CF47 0NJ, at an approximate National Grid Reference of 305595 20590, as illustrated in **Figure 2.1**.

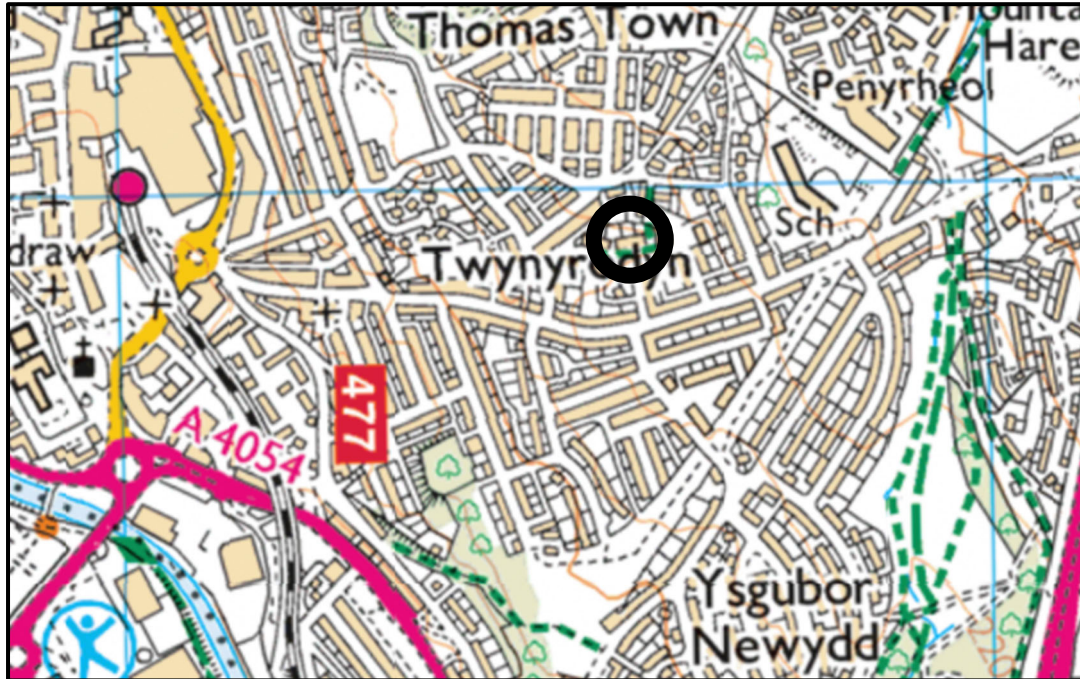


Figure 2.1 Site Location

The site currently comprises a storage yard for the adjacent development site, also owned by the Client. A storage office stands in the north of the site. This building is two storeys high with a large garage area.

The surrounding area is comprised mostly of residential housing.

The site layout and outline of the proposed structure is shown in **Figure 2.2**.

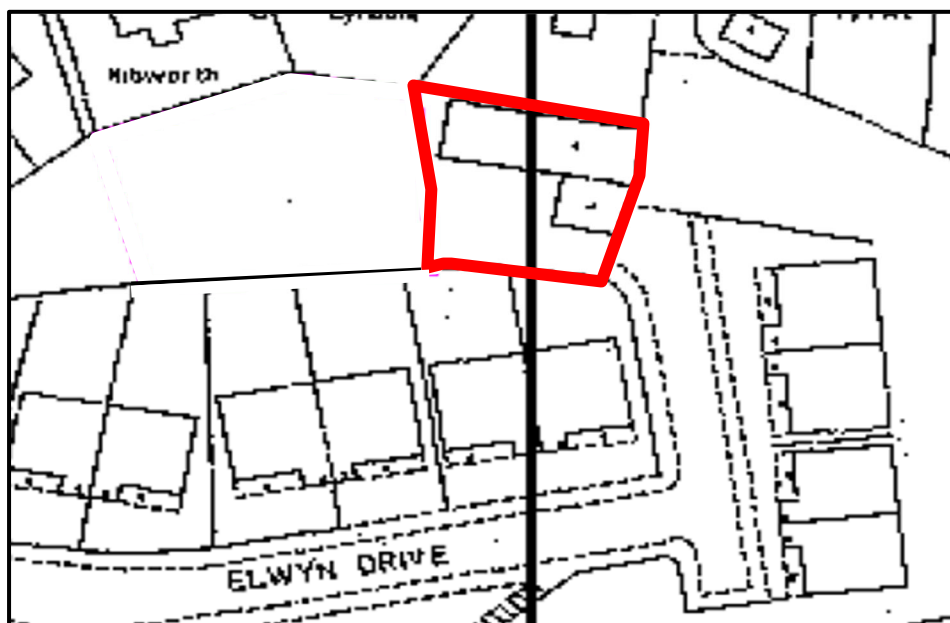


Figure 2.2 Site Layout

2.2 Site History

Historical maps of the site have been obtained from Landmark Information Group. The history plans are supplied in **Annex A** of this report, and the most relevant editions are summarised in **Table 2.1**. Please note that the site boundary shown on the plans refers to a site directly west of the current site, and not the current study site. Distances where quoted are approximate, and any changes in-between map editions may not be recorded.

Table 2.1 Historical Development from Map Information

Map Edition & Scale	Key Features on Site	Key Features off Site
1876 1:2500	The site is seen to situate within an area of rough grassland, with some demarcation of ground excavation and/or deposition of spoil.	A tramline runs west to northeast 30m north of the site, servicing a brickworks 260m to the west. Twynyrhodyn village, largely comprising terraced housing along Twynyrodyn Road, lies to the south. Evidence of former mining activity at ground level, related to working of coal and ironstone, is illustrated on land extending from around the tramline to beyond 1km to the northeast.
1900 1:2500	The site is now shown to comprise the southern half of a field.	The surrounding area, north and south of the tram line, has now been divided into individual fields. A coal level (Garw Pit) is denoted 400m to the northeast.
1919 1:2500	The site remains unchanged.	Residential development within Twynyrhodyn now sees housing on land directly west of the site, and north of the tram line. The coal level to the north is now absent.
1938 1:10,560	The site remains unchanged.	There have been no notable changes to the surrounding area.
1951 1:20,560	The site remains unchanged.	The brick works has closed and the connecting tramline dismantled. St Tydfils Avenue now follows the route of the former tram line.
1957 1:1250	The site remains unchanged.	A building has been built on land directly southwest of the site.
1973 1:1250	The 'L'-shaped building that occupies the site today has now been constructed on site.	Detached properties have been building on land directly north of the site. The building to the southwest has been demolished.
1993 1:1250	The site remains unchanged.	No notable changes to the surrounding area are recorded.
1994 1:1250	The site remains unchanged.	Housing along Elwyn Drive has been established south of the site.
2015 1:10,000	The site remains unchanged.	No notable changes to the surrounding area are recorded.
2022	The site remains occupied by the vacant office and storage building.	The Client has in more recent years built two properties on the site directly west of the site.

2.3 Geological Setting

2.3.1 Geology

The 1:10,560 Geological Map (SO 00 NE) and online Coal Authority Interactive Map were consulted for geology underlying the site. Detailed stratigraphical information is provided in Table 2.2.

Table 2.2 Detailed Stratigraphical Information

Period	Group	Formation
Quaternary	Boulder Clay (Till)	Terrigenous unsorted to poorly sorted unstratified and over consolidated collection of clay, silt, sand, gravel and boulders, Gravels and boulders are often suspended in a clay or sandy matrix.
Carboniferous	Lower Coal Measures	Grey productive coal bearing mudstones and siltstones, with occasional seatearths and minor sandstones.

The Garw coal seam is recorded by the verticalized geological section as lying approximately 94m below the Gellideg coal seam. The Coal Authority Interactive Map shows the outcrop of the Garw coal approximately 75m west of the proposed development.



Figure 2.3 Extract from Geological Map

The Rosser Ironstone veins feature below the Garw coal seam.

The dip of the strata is unknown, but the Garw coal and ironstones may underlie the site at shallow depth.

TFW Group Limited (trading as Terra Firma (Wales) Limited) previously undertook investigative works on the site directly to the west. Boreholes drilled as part of this investigation identified a single coal seam at depths of between 9.3-9.6m, measuring 0.6-0.8m in thickness.

Made ground may be present in the form of spoil from previous local industry, related to mining or the former nearby brick works.

2.3.2 Mining

A Coal Authority Consultants Coal Mining Report was obtained for the adjacent site to the west. A copy of the report may be found in **Annex B**.

It informs that the site is not within the zone of likely influence on the surface from past underground workings. However, the site lies within 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.

Referring to the stratigraphy described in **Section 2.3.1**, it is concluded that this relates to the Garw coal seam.

There are no known coal mine shaft entries upon, or within 20 metres of, the boundary of the property. However the Coal Authority note that records may be incomplete and that there may exist in the local area mine entries of which there is no knowledge.

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

SECTION 3 Field Investigation

3.1 Site Works

A geotechnical site investigation comprising three rotary boreholes was undertaken in March 2023.

Boreholes reference BH1 to BH3 were formed using a track mounted rotary drilling rig. The boreholes were advanced from the surface using a tri-cone bit/ downhole hammer with water as the flushing medium.

Rotary borehole logs may be found in **Annex C**. Borehole locations are illustrated in **Figure 3.1**.

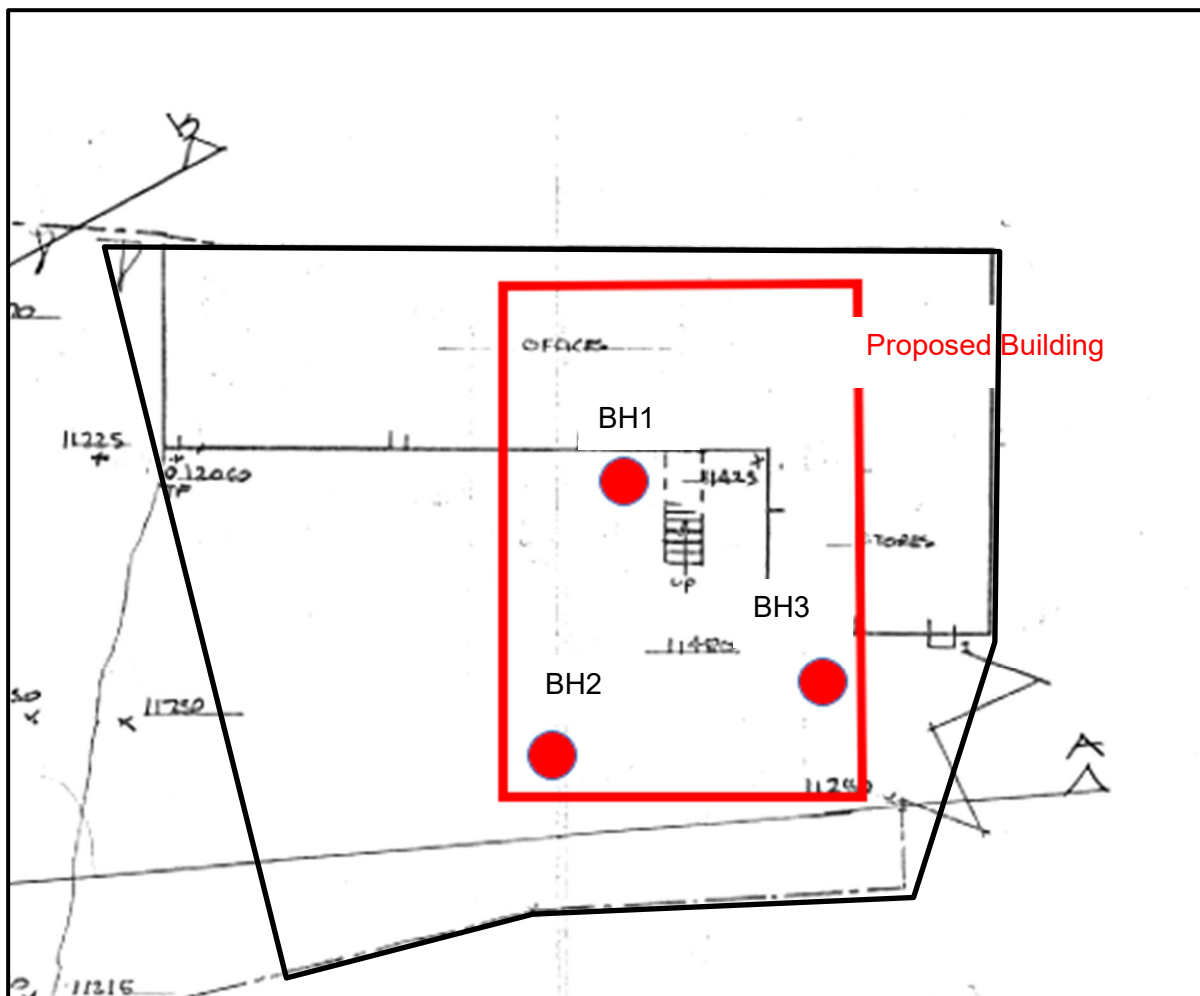


Figure 3.1 Borehole Locations

Upon completion boreholes were backfilled with bentonite and the surface was reinstated.

3.2 Ground Conditions

The ground conditions encountered by the exploratory holes can in general be summarised as shown in **Table 3.1**.

Table 3.1 Summary of Ground Conditions

Depth (m)			Thickness (m)	Stratum
0.0	-	0.1	0.1	TARMACADAM
0.0	-	1.2	1.2	MADE GROUND: Colliery Spoil (BH1 only)
0.1	-	6.4/7.4	5.4/7.3	Brown sandy silty GRAVEL and COBBLE (TILL)
6.4/7.4	-	7.6/8.7	0.2/2.2	MUDSTONE
7.6/8.7	-	7.8/8.9	0.2/0.3	COAL (GARW)
7.8/8.9	-	35	-	MUDSTONE with sandstone bands and/or ironstone bands

3.3 Groundwater

No groundwater was encountered in the exploratory holes.

SECTION 4 Coal Mining Risk Assessment

Based upon site investigation data, the stratigraphical sequence within 35m of the ground surface of the site is illustrated in **Figure 4.1**.

Recent	Made Ground (BH1 only)	1.2m
	Superficial Soils (TILL)	6.4/7.4m
Holocene	Coal Bearing MUDSTONE with sandstone bands	
	GARW COAL SEAM (0.2/0.3m thick)	7.6/8.7m – 7.8/8.9m
	Coal Bearing MUDSTONE with sandstone bands and ironstone bands	35m

Figure 4.1 Geology and Strata

No evidence of any coal or ironstone mining was identified, such as voids, or backfilled workings.

The Garw Coal was identified, being only 0.2 - 0.3m thick.

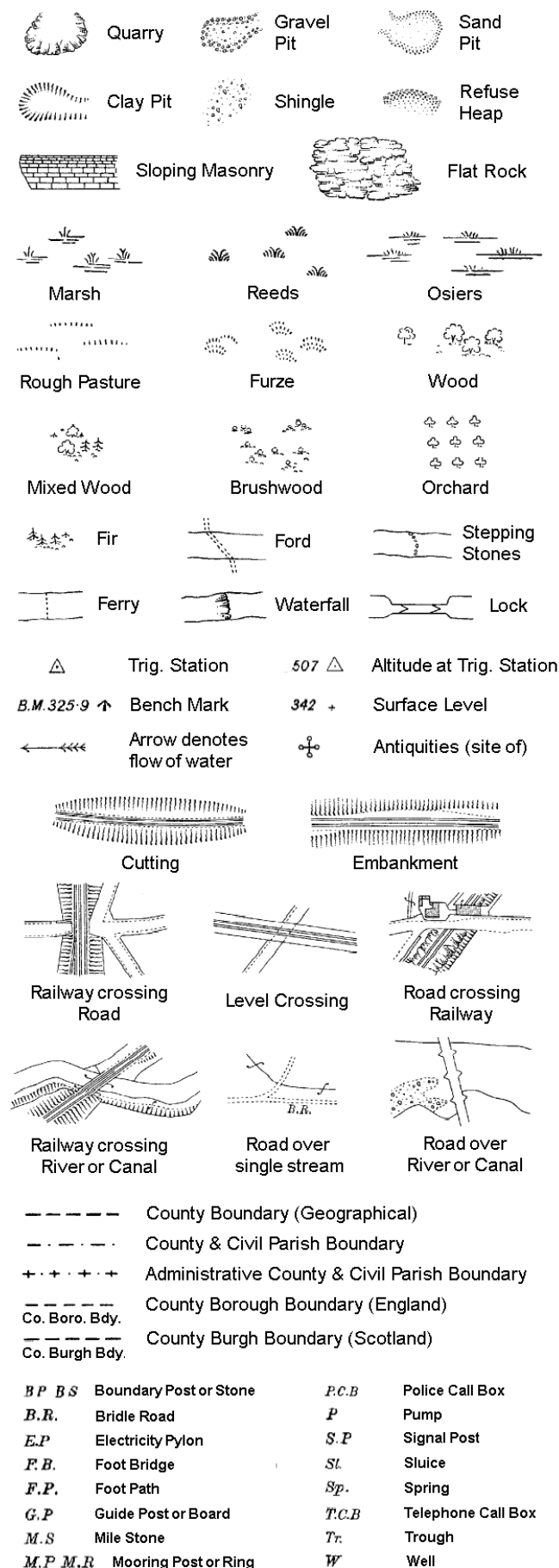
The history plans show no mining features in proximity to the site that could have been used to work the shallow ground beneath the site.

It may therefore be concluded that there are no mining related ground instability risks to the proposed housing at the site.

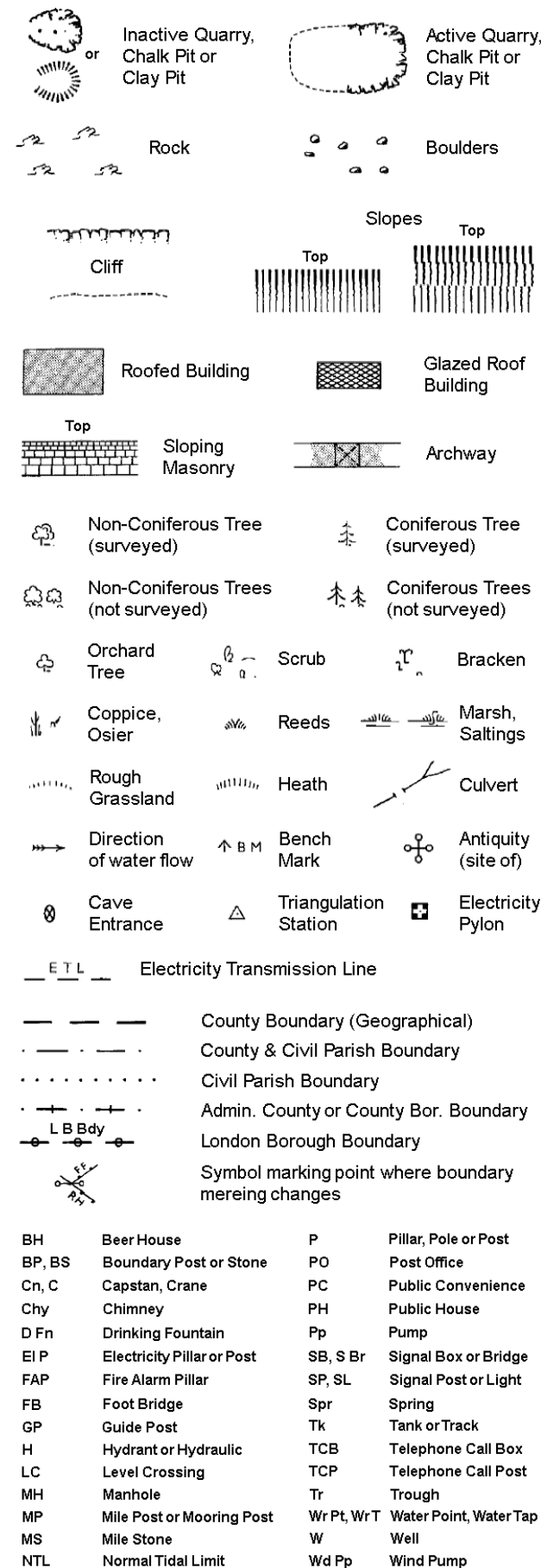
**ANNEX A
Historical Maps**

Historical Mapping Legends

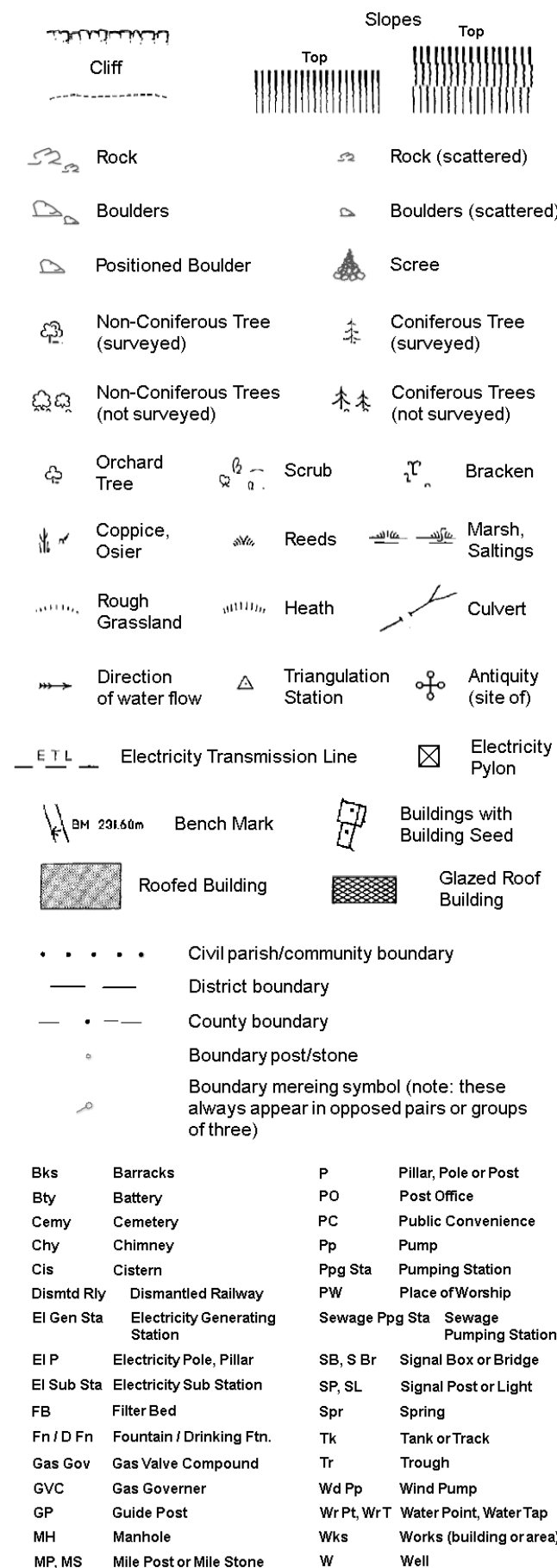
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



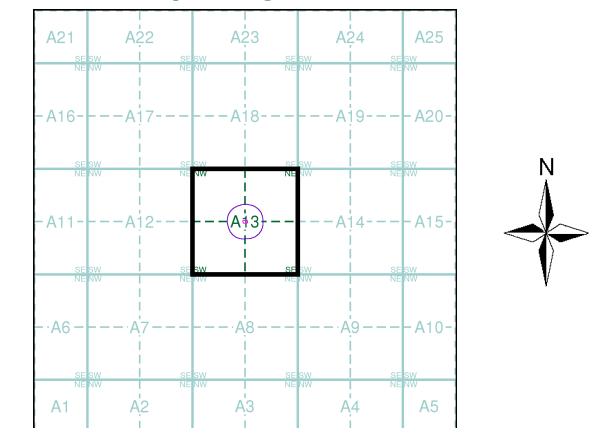
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Glamorganshire	1:2,500	1875 - 1876	2
Glamorganshire	1:2,500	1900	3
Brecknockshire	1:2,500	1904	4
Glamorganshire	1:2,500	1919	5
Brecknockshire	1:2,500	1919	6
Ordnance Survey Plan	1:1,250	1957	7
Ordnance Survey Plan	1:2,500	1958	8
Ordnance Survey Plan	1:1,250	1969 - 1977	9
Supply of Unpublished Survey Information	1:1,250	1975	10
Additional SIMs	1:1,250	1984 - 1989	11
Additional SIMs	1:1,250	1989	12
Large-Scale National Grid Data	1:1,250	1993	13
Large-Scale National Grid Data	1:1,250	1994 - 1995	14
Large-Scale National Grid Data	1:1,250	1995	15
Large-Scale National Grid Data	1:1,250	1996	16
Large-Scale National Grid Data	1:1,250	1996	17

Historical Map - Segment A13



Order Details

Order Number: 70905697_1_1
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National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Glamorganshire

Published 1875 - 1876

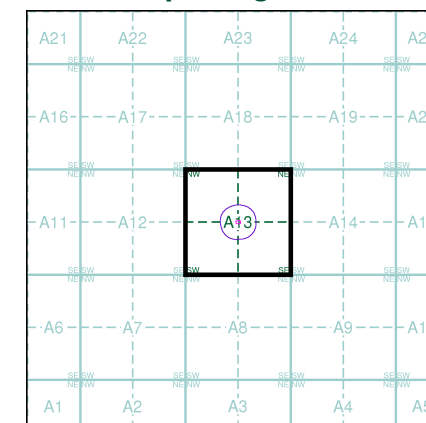
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

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012_05
1876
1:2,500

Historical Map - Segment A13



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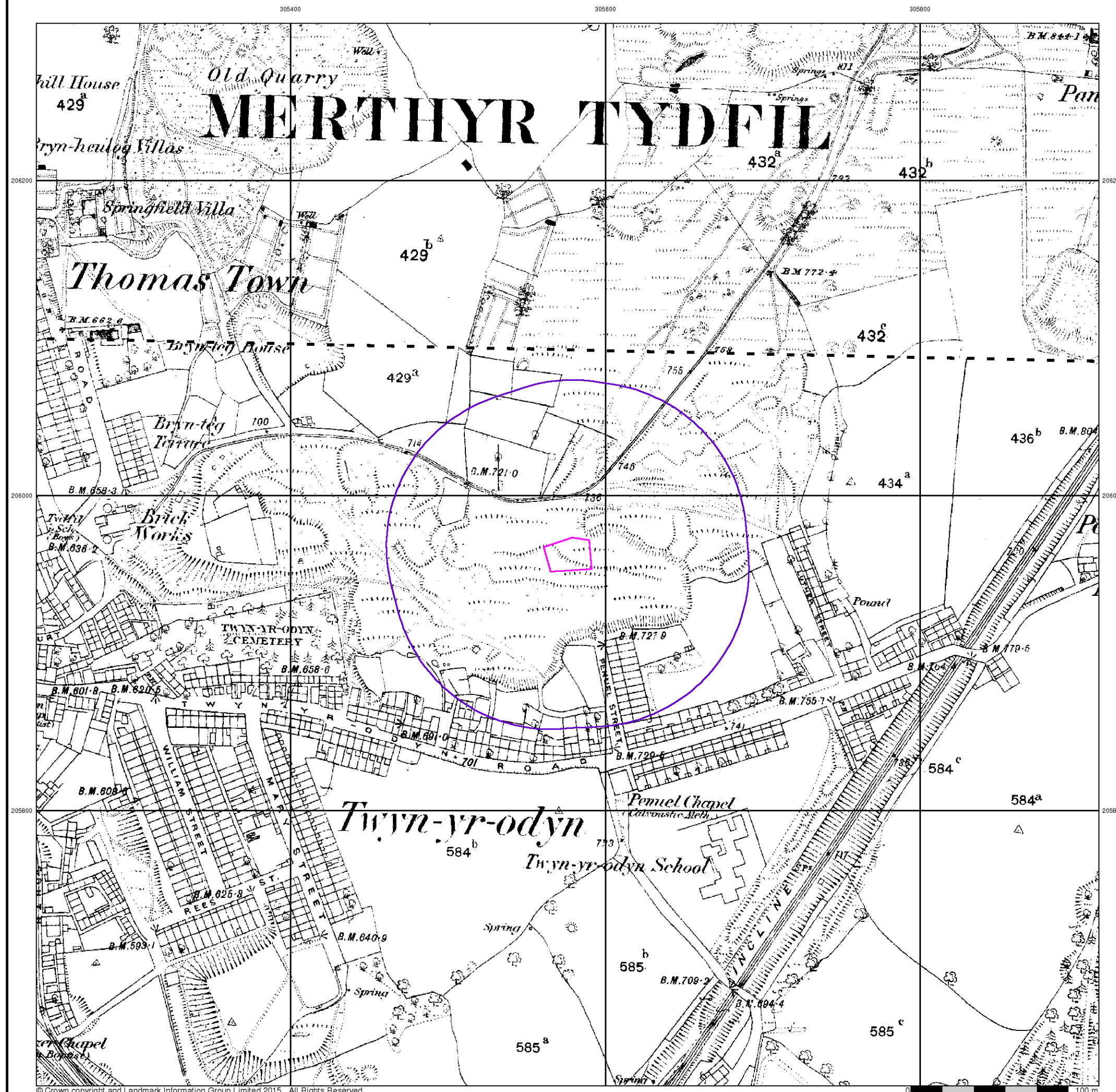
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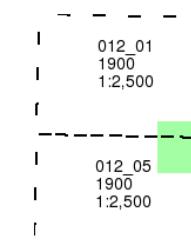
Glamorganshire

Published 1900

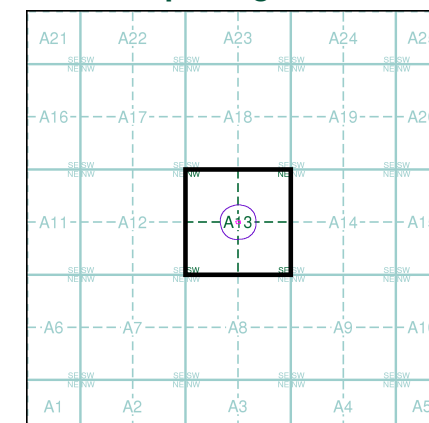
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 70905697_1_1
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Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

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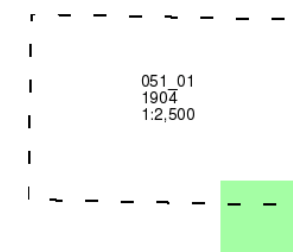
Brecknockshire

Published 1904

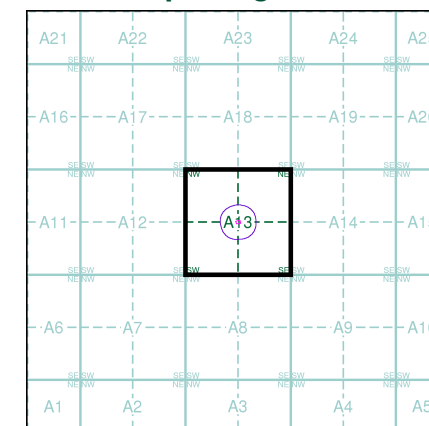
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

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206200 206000 205800

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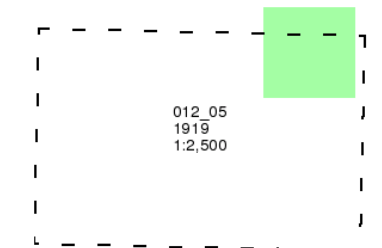
Glamorganshire

Published 1919

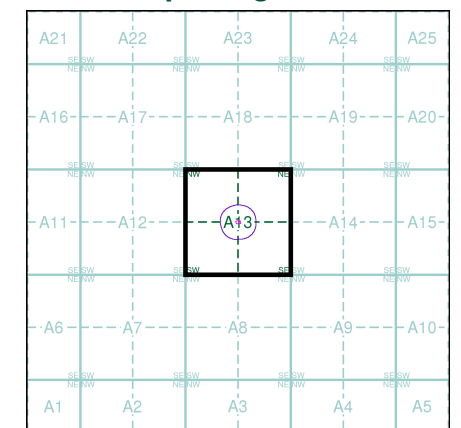
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Historical Map - Segment A13



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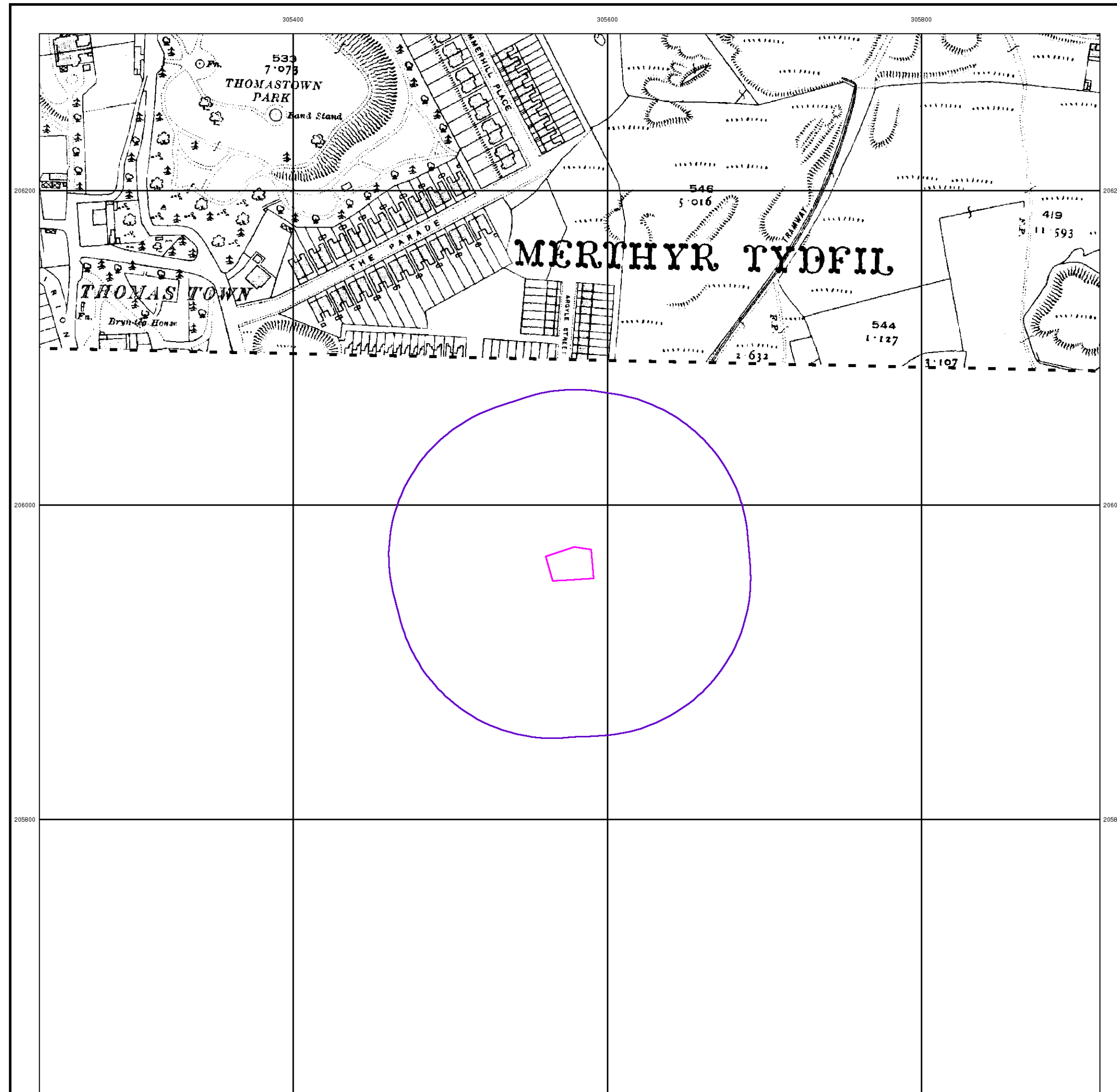
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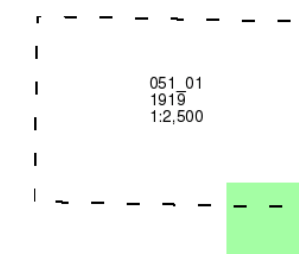
Brecknockshire

Published 1919

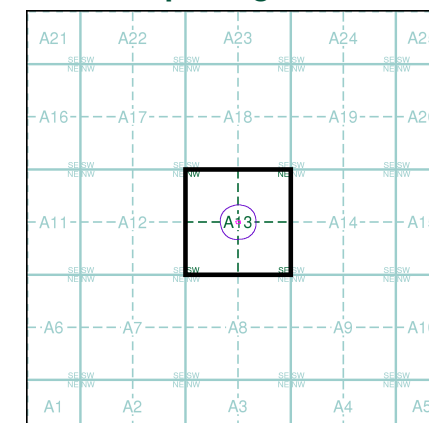
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Ordnance Survey Plan

Published 1957

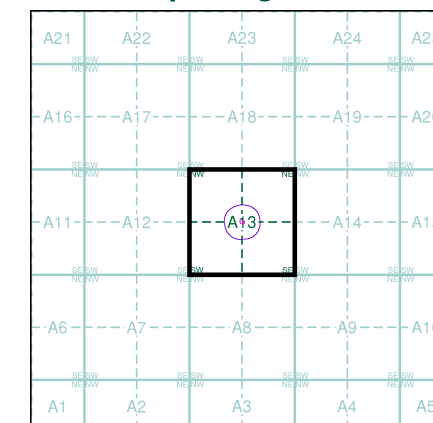
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Map Name(s) and Date(s)

SO0506SW	SO0506SE
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Historical Map - Segment A13



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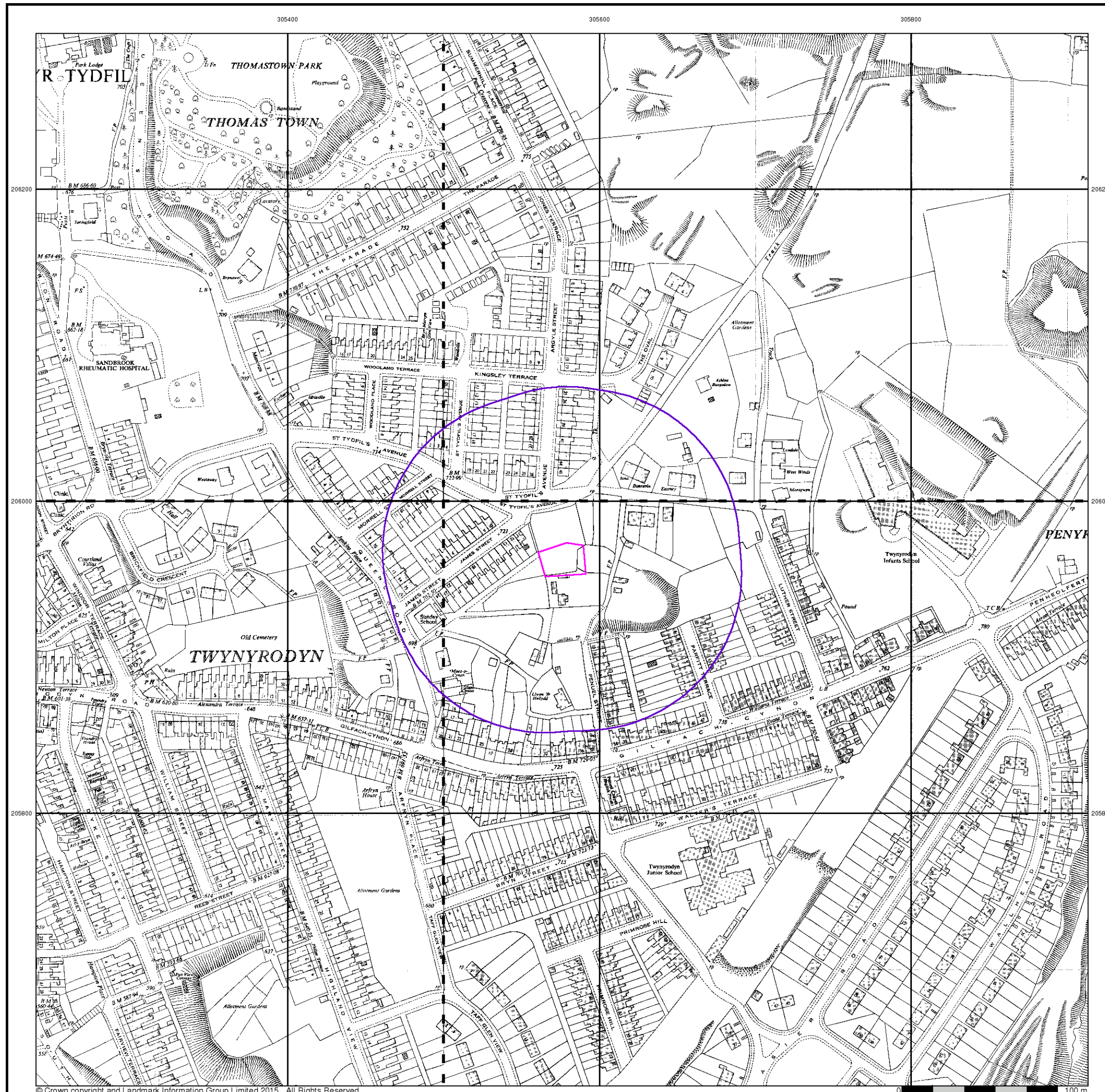
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National Grid Reference: 305580, 205960
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Site Area (Ha): 0.06
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1958

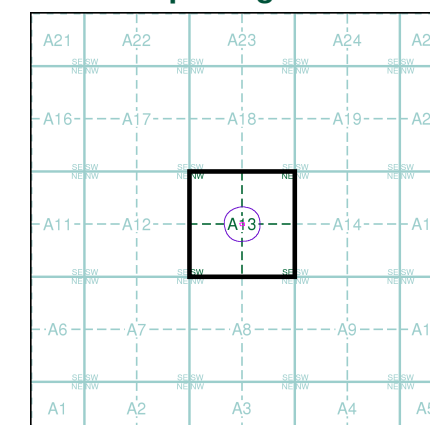
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Map Name(s) and Date(s)

SO0506
1958
1:2,500
SO0505
1958
1:2,500

Historical Map - Segment A13



Order Details

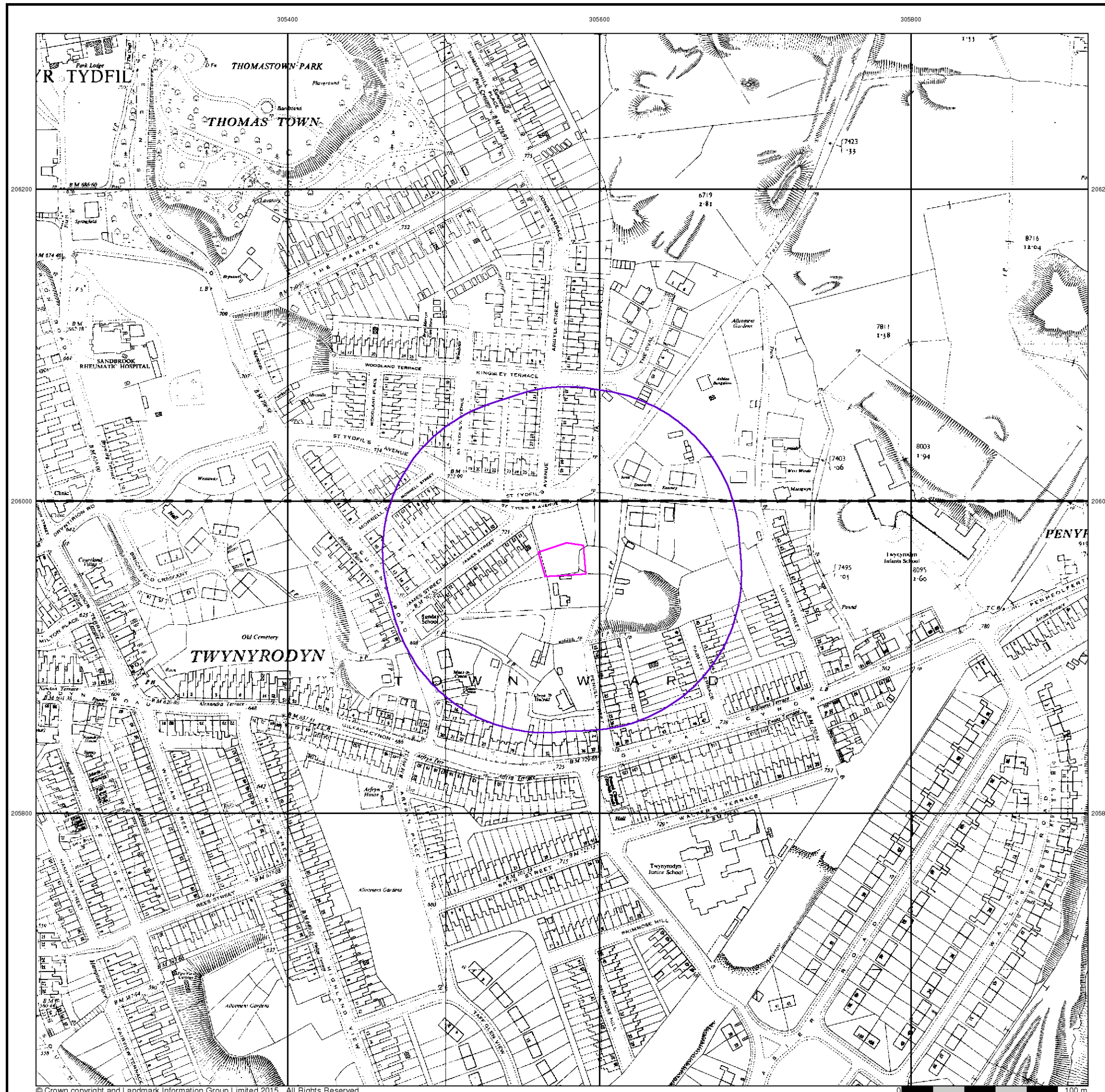
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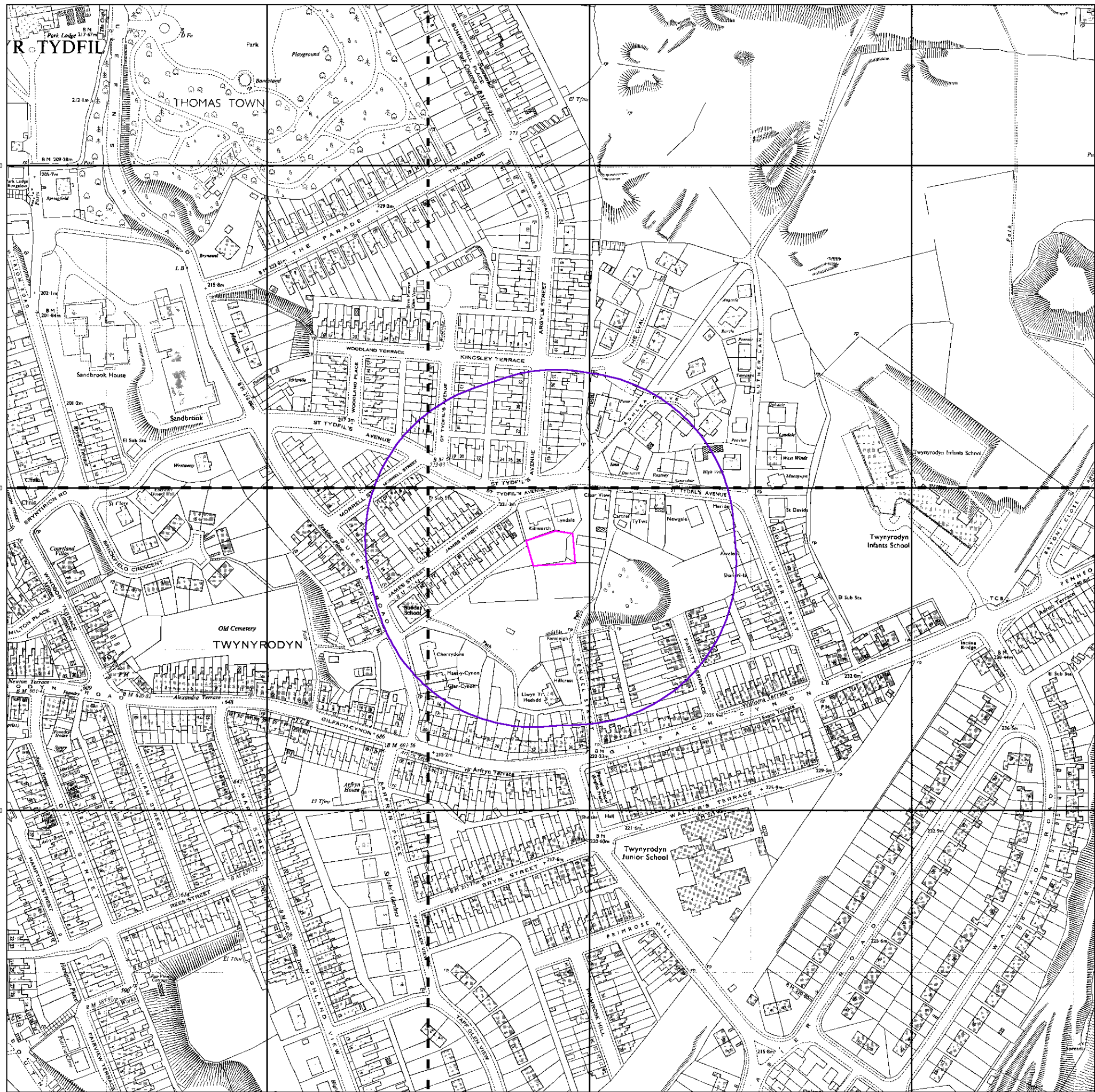
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Ordnance Survey Plan

Published 1969 - 1977

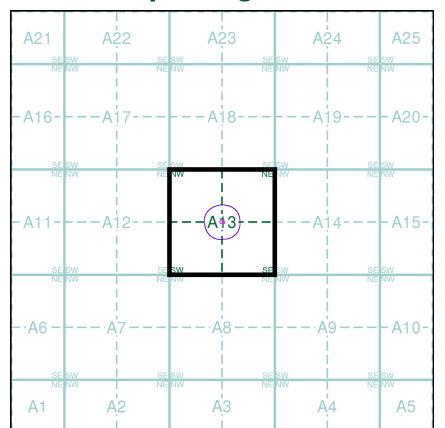
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Map Name(s) and Date(s)

SO0506SW 1977 1:1,250	SO0506SE 1969 1:1,250
SO0505NW 1969 1:1,250	SO0505NE 1973 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 100

Site Details

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Supply of Unpublished Survey Information

Published 1975

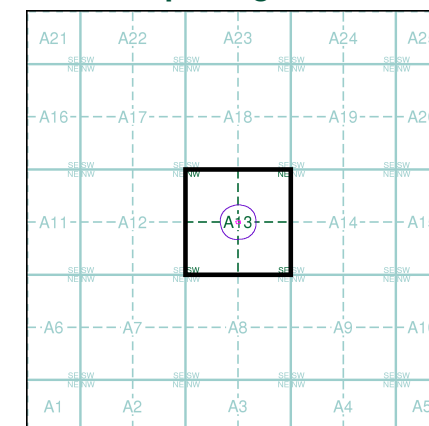
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SO0506SW	SO0506SE
1975	1975
1:1,250	1:1,250
SO0505NW	SO0505NE
1975	1975
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

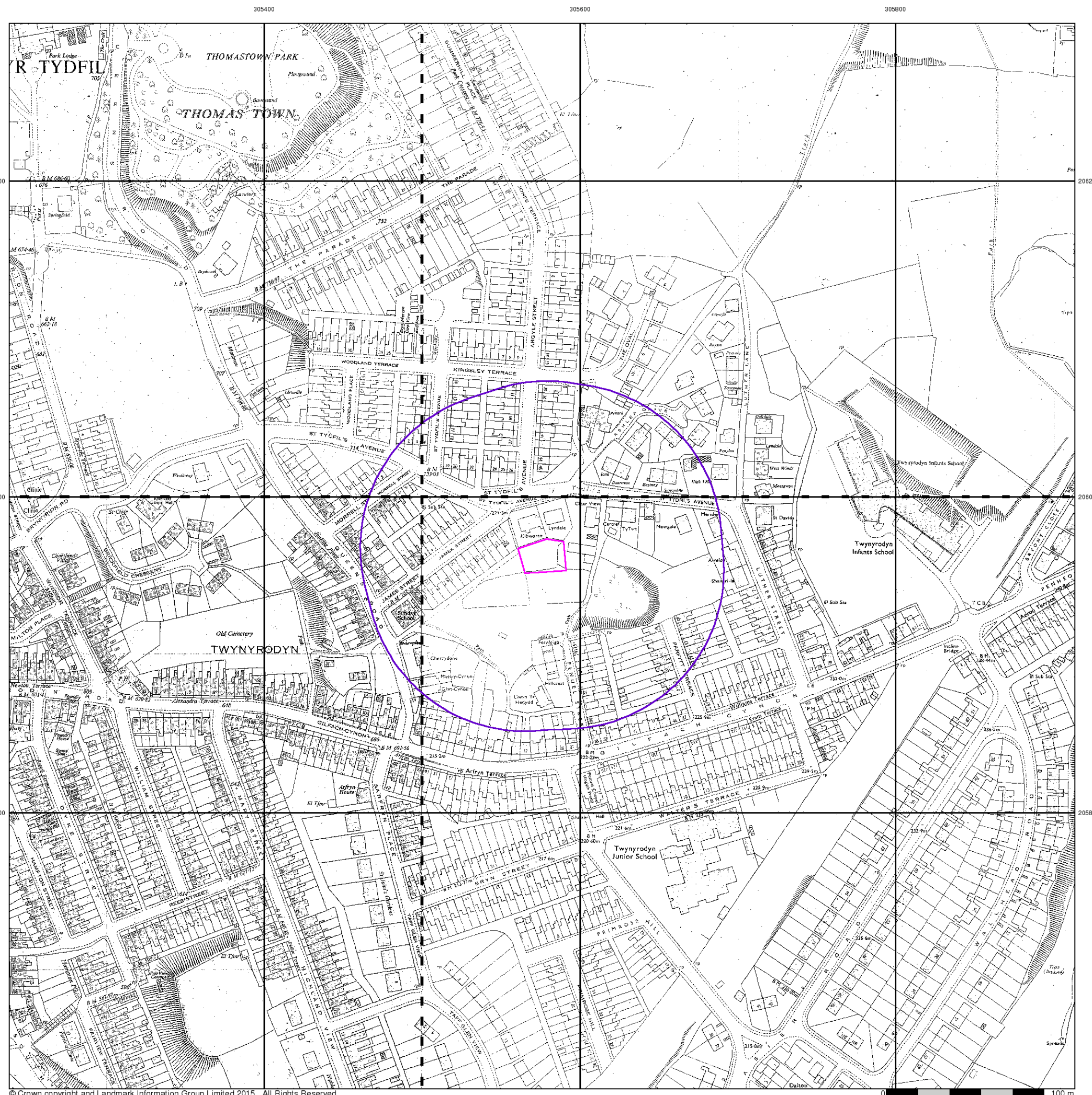
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Additional SIMs

Published 1984 - 1989

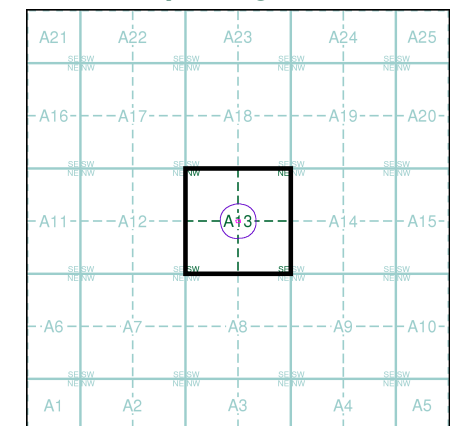
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SO0506SW	1989	1:1,250
SO0505NW	1984	1:1,250
SO0505NE	1989	1:1,250

Historical Map - Segment A13



Order Details

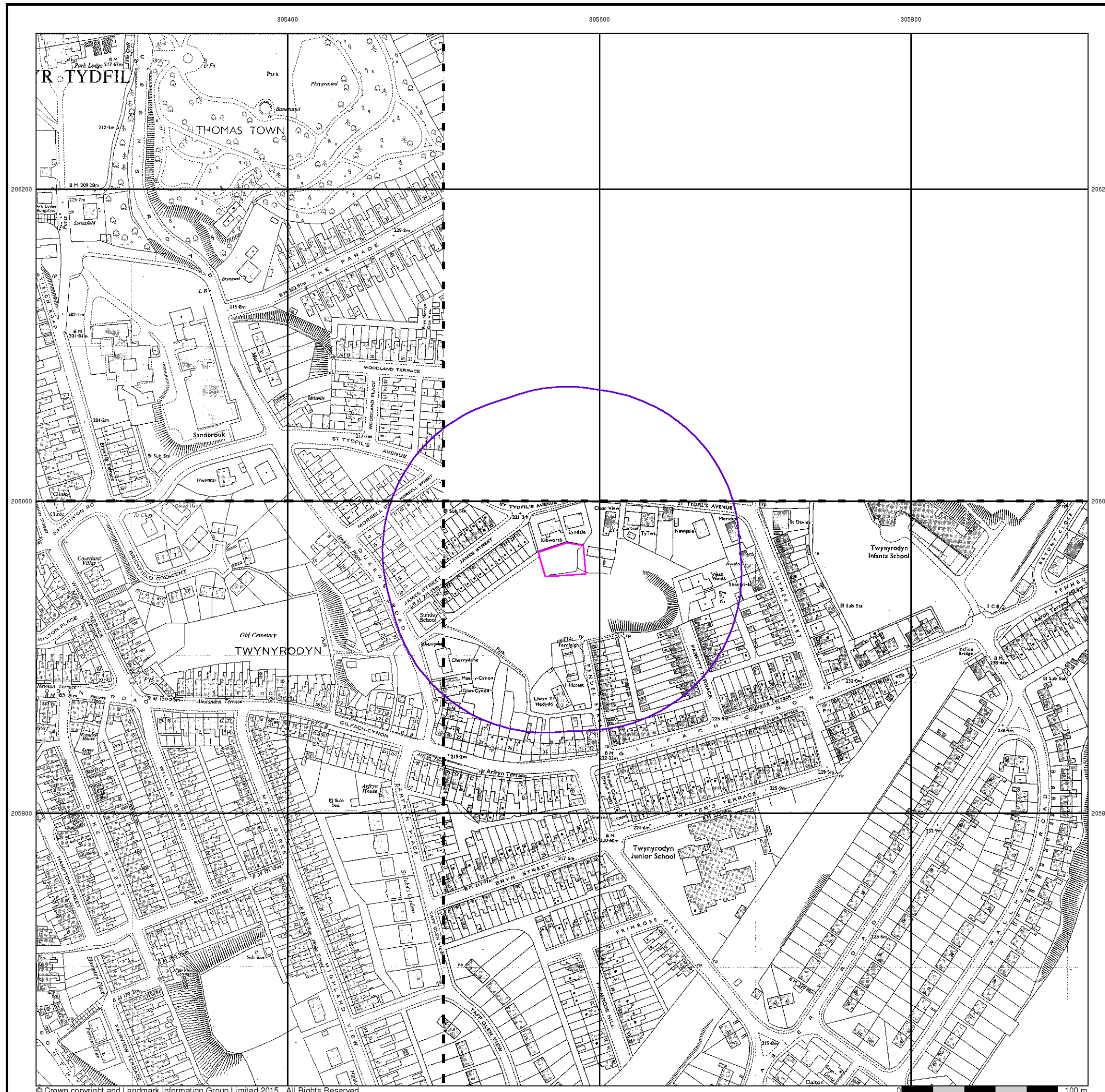
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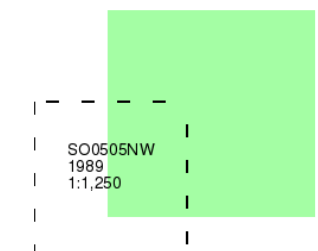
Additional SIMs

Published 1989

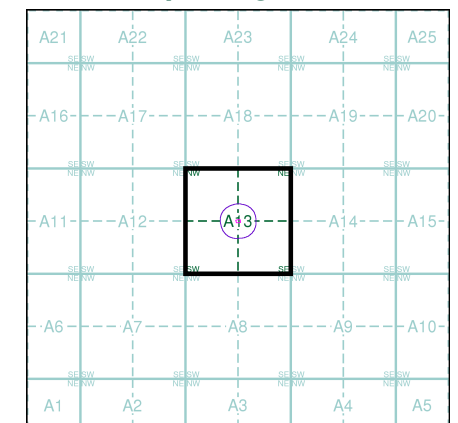
Source map scale - 1:1,250

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Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ





Large-Scale National Grid Data

Published 1994 - 1995

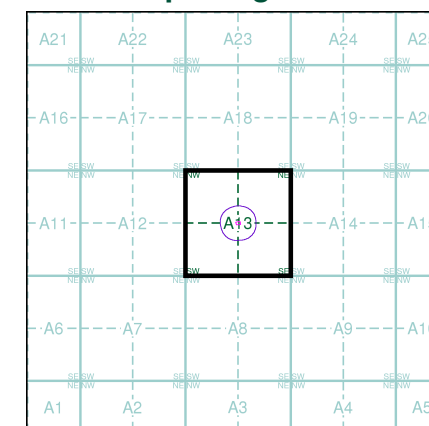
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SO0508SE	1995	1:1,250
SO0505NW	1995	1:1,250
SO0505NE	1994	1:1,250

Historical Map - Segment A13



Order Details

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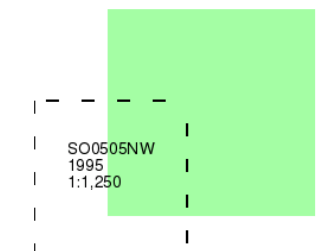
Large-Scale National Grid Data

Published 1995

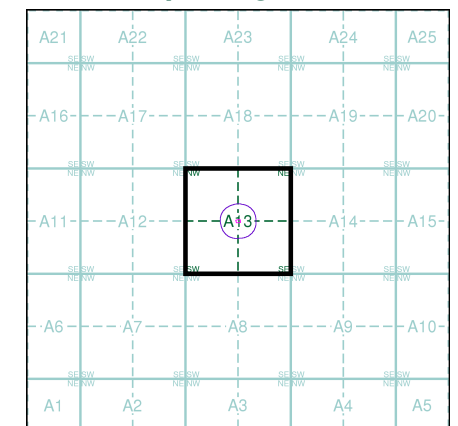
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



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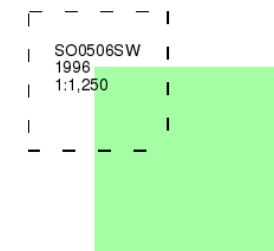
Large-Scale National Grid Data

Published 1996

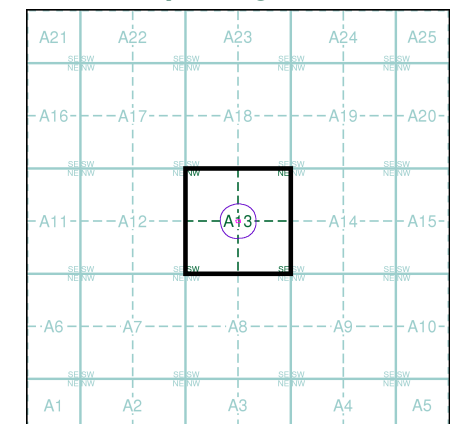
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

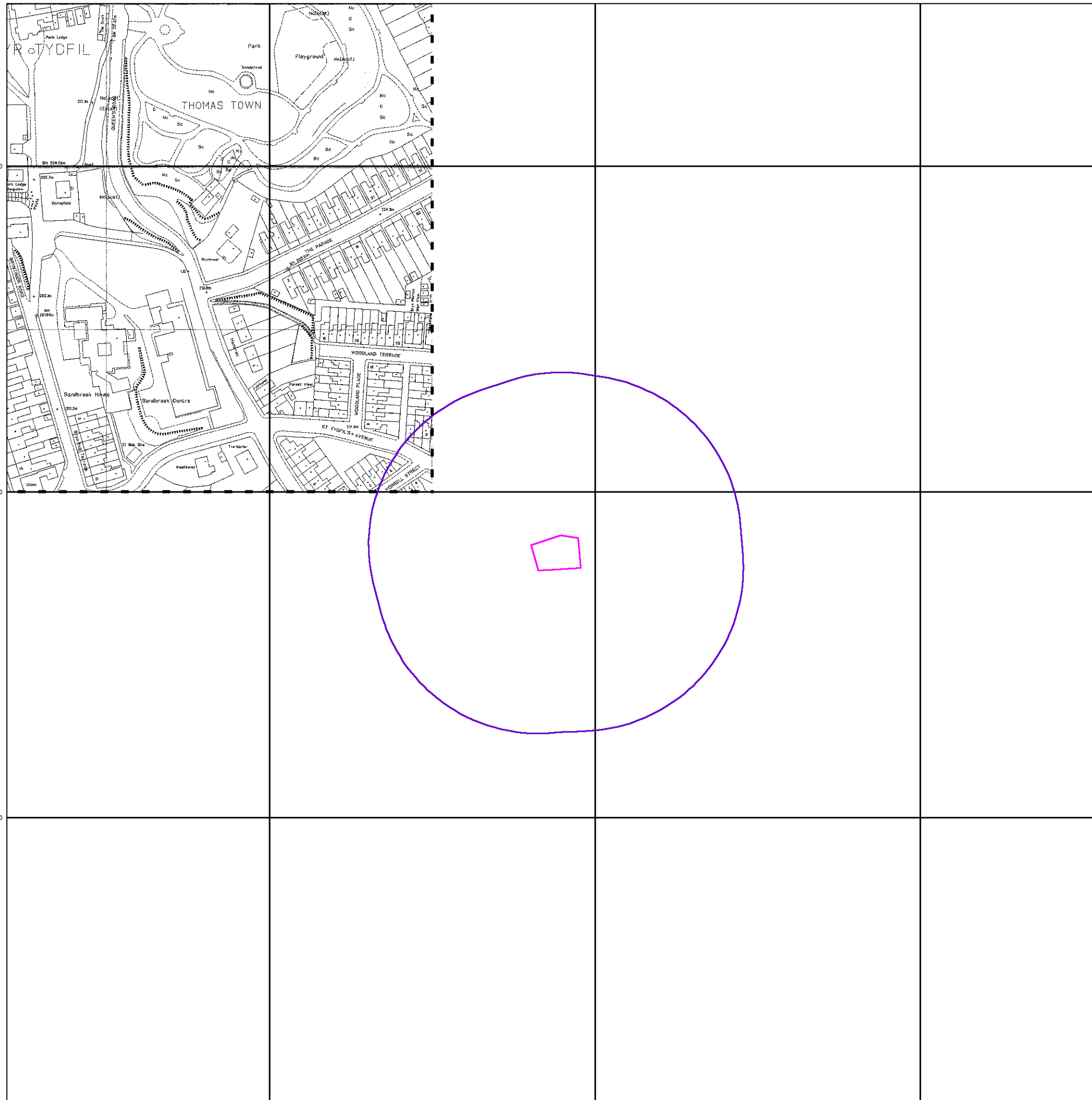
Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
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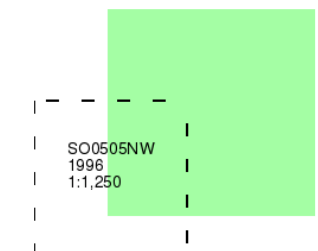
Large-Scale National Grid Data

Published 1996

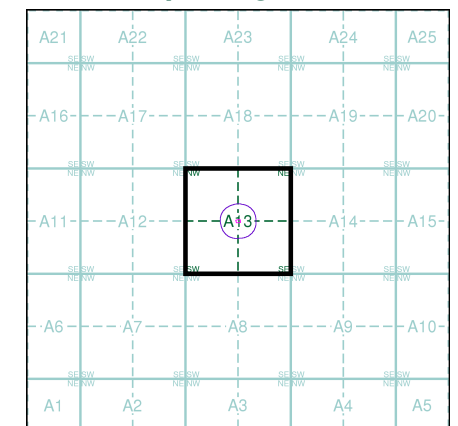
Source map scale - 1:1,250

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

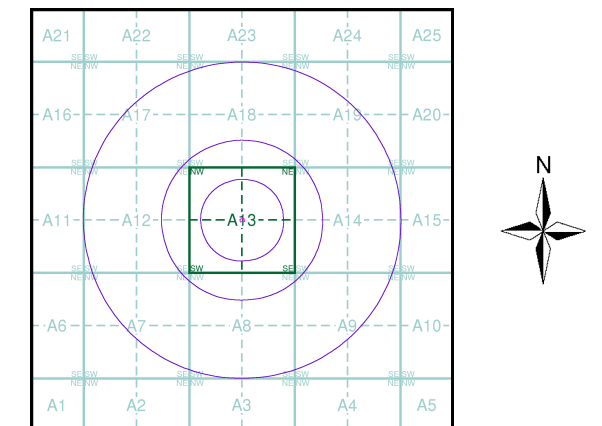
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Brecknockshire	1:10,560	1884	2
Glamorganshire	1:10,560	1885	3
Glamorganshire	1:10,560	1901	4
Brecknockshire	1:10,560	1905	5
Brecknockshire	1:10,560	1922	6
Brecknockshire	1:10,560	1938	7
Historical Aerial Photography	1:10,560	1945	8
Brecknockshire	1:10,560	1951	9
Ordnance Survey Plan	1:10,000	1964 - 1965	10
Ordnance Survey Plan	1:10,000	1969	11
Ordnance Survey Plan	1:10,000	1970 - 1979	12
Ordnance Survey Plan	1:10,000	1982 - 1989	13
Ordnance Survey Plan	1:10,000	1990 - 1992	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2015	16

Historical Map - Slice A



Order Details

Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

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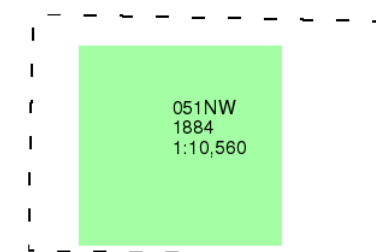
Brecknockshire

Published 1884

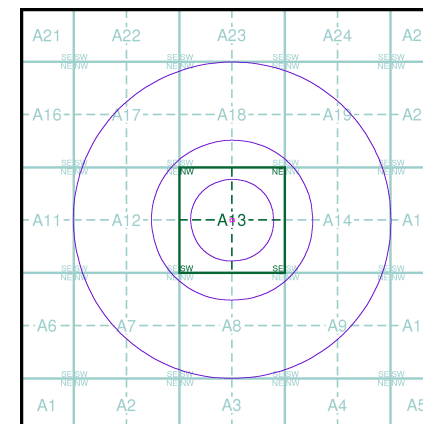
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

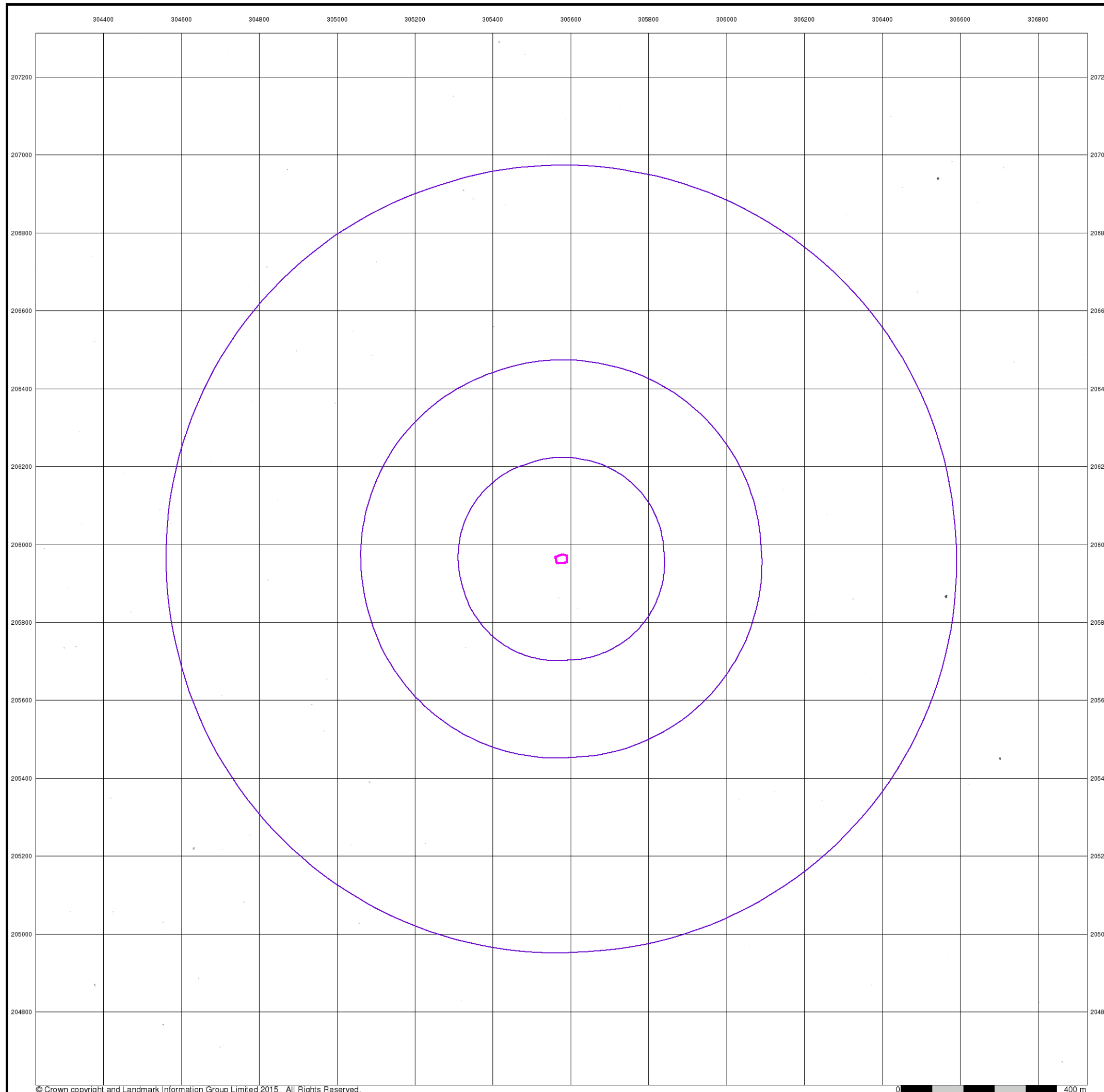
Order Number: 70905697_1_1
Customer Ref: 13319
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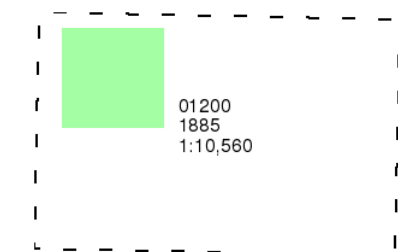
Glamorganshire

Published 1885

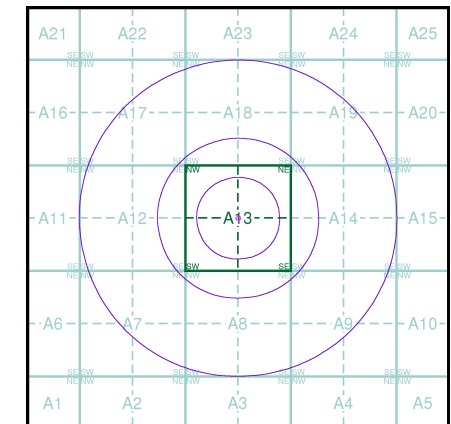
Source map scale - 1:10,560

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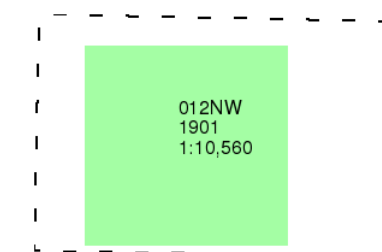
Glamorganshire

Published 1901

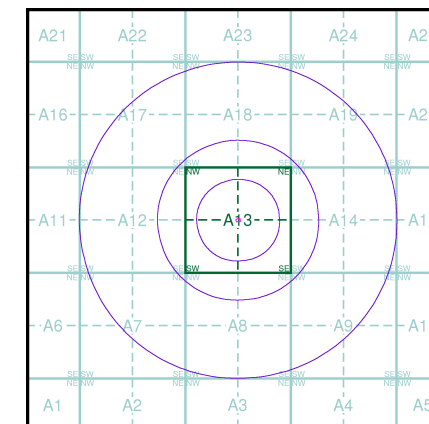
Source map scale - 1:10,560

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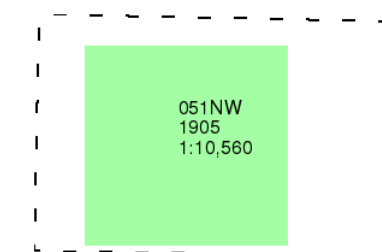
Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



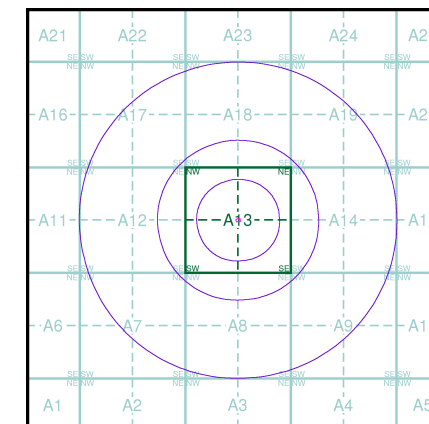
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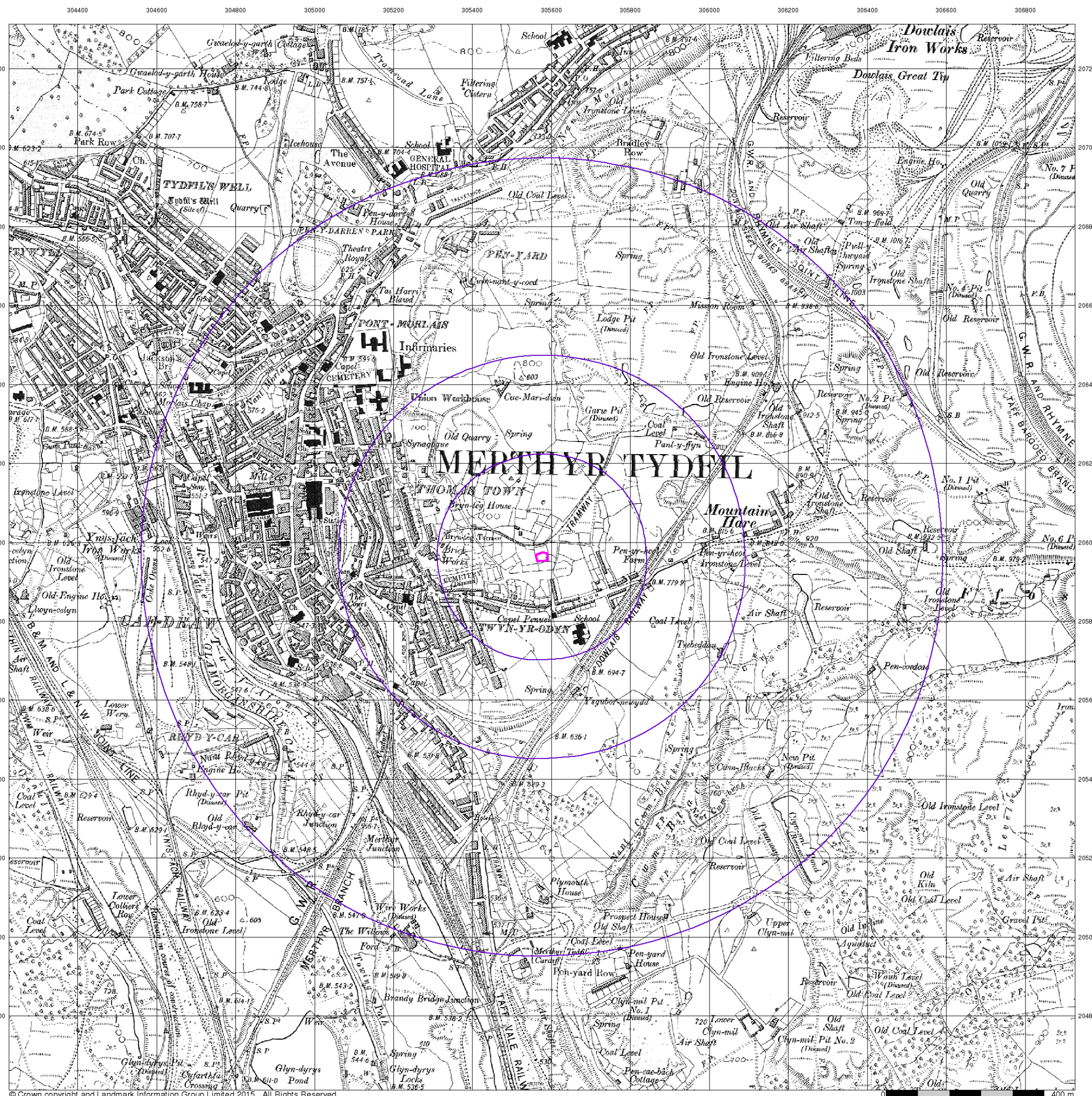


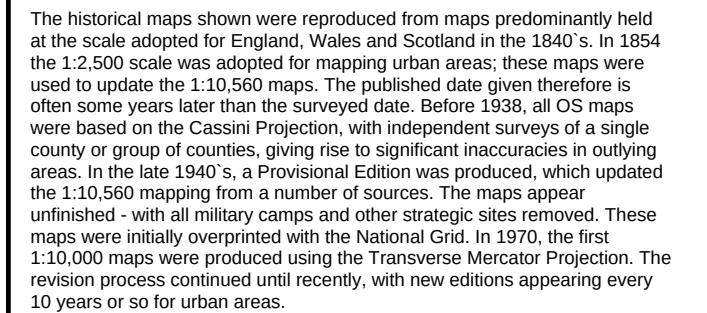
Order Details

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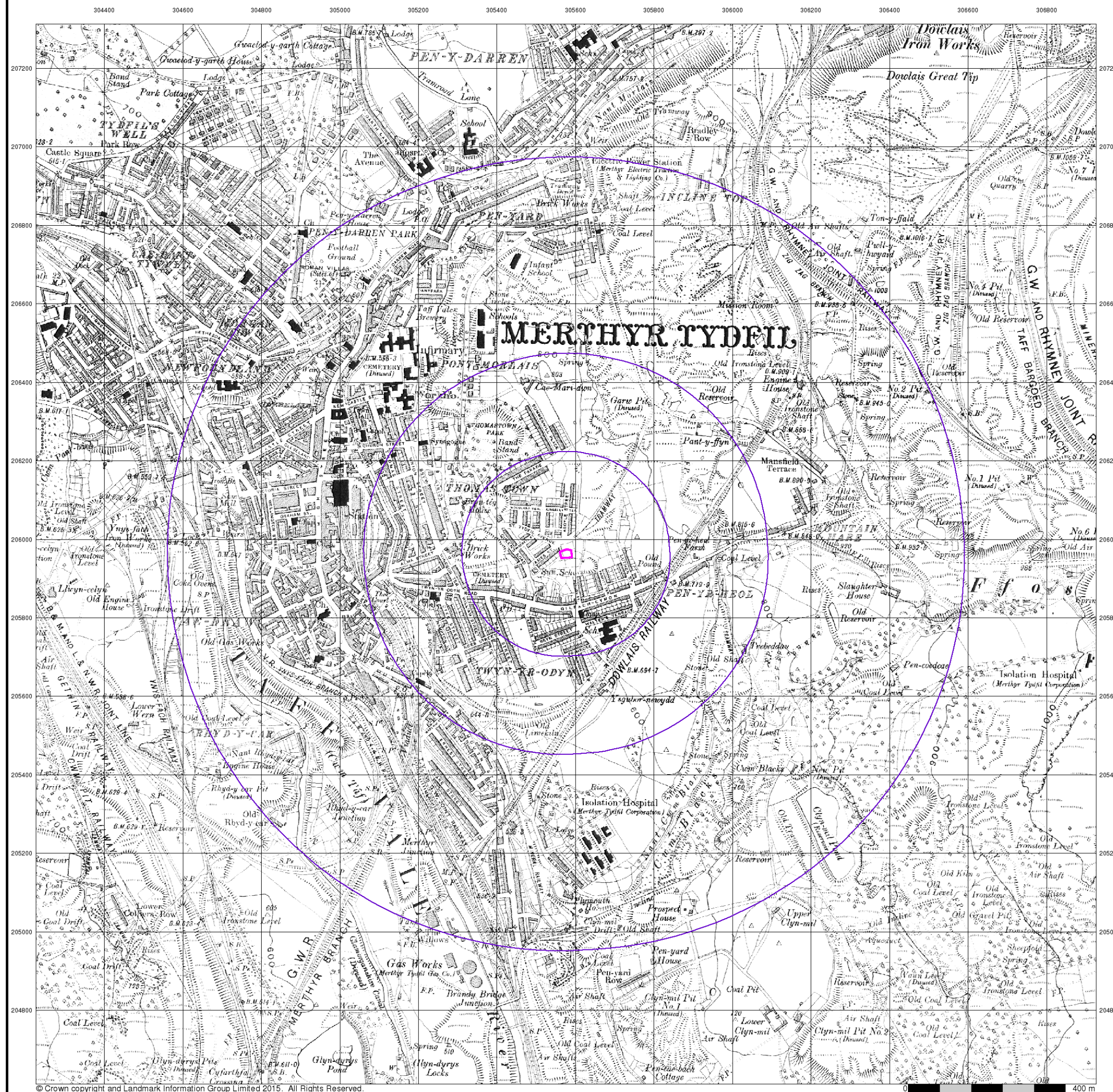
Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ





051NW
1922
1:10,560

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ





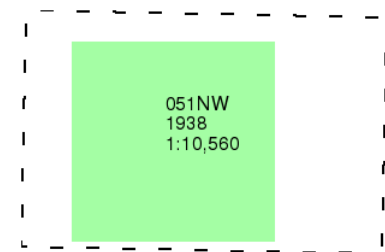
Brecknockshire

Published 1938

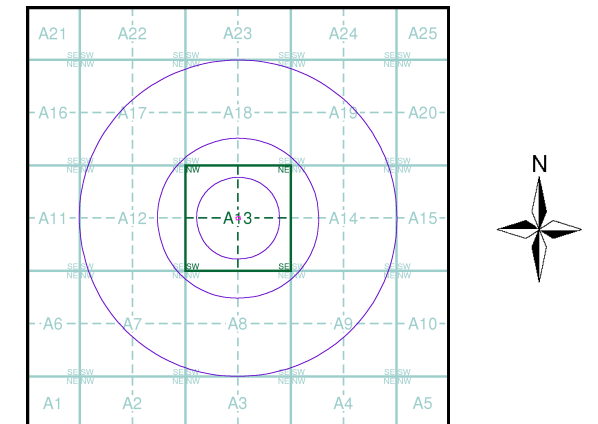
Source map scale - 1:10,560

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Historical Aerial Photography

Published 1945

Source map scale - 1:10,560

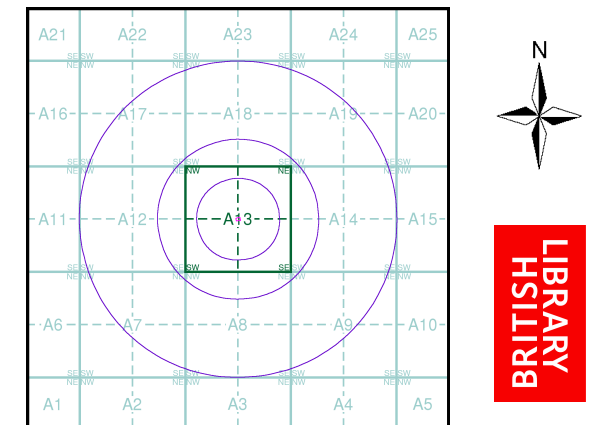
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)

SO00NW 1945 1:10,560	SO00NE 1945 1:10,560
SO00SW 1945 1:10,560	SO00SE 1945 1:10,560

Historical Aerial Photography - Slice A



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Search Buffer (m): 1000

Site Details

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



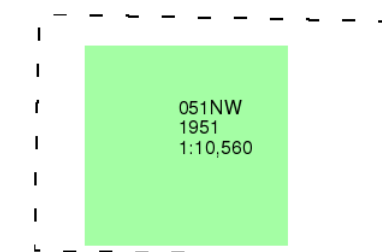
Brecknockshire

Published 1951

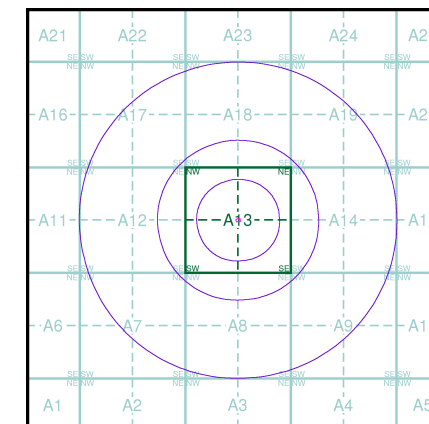
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

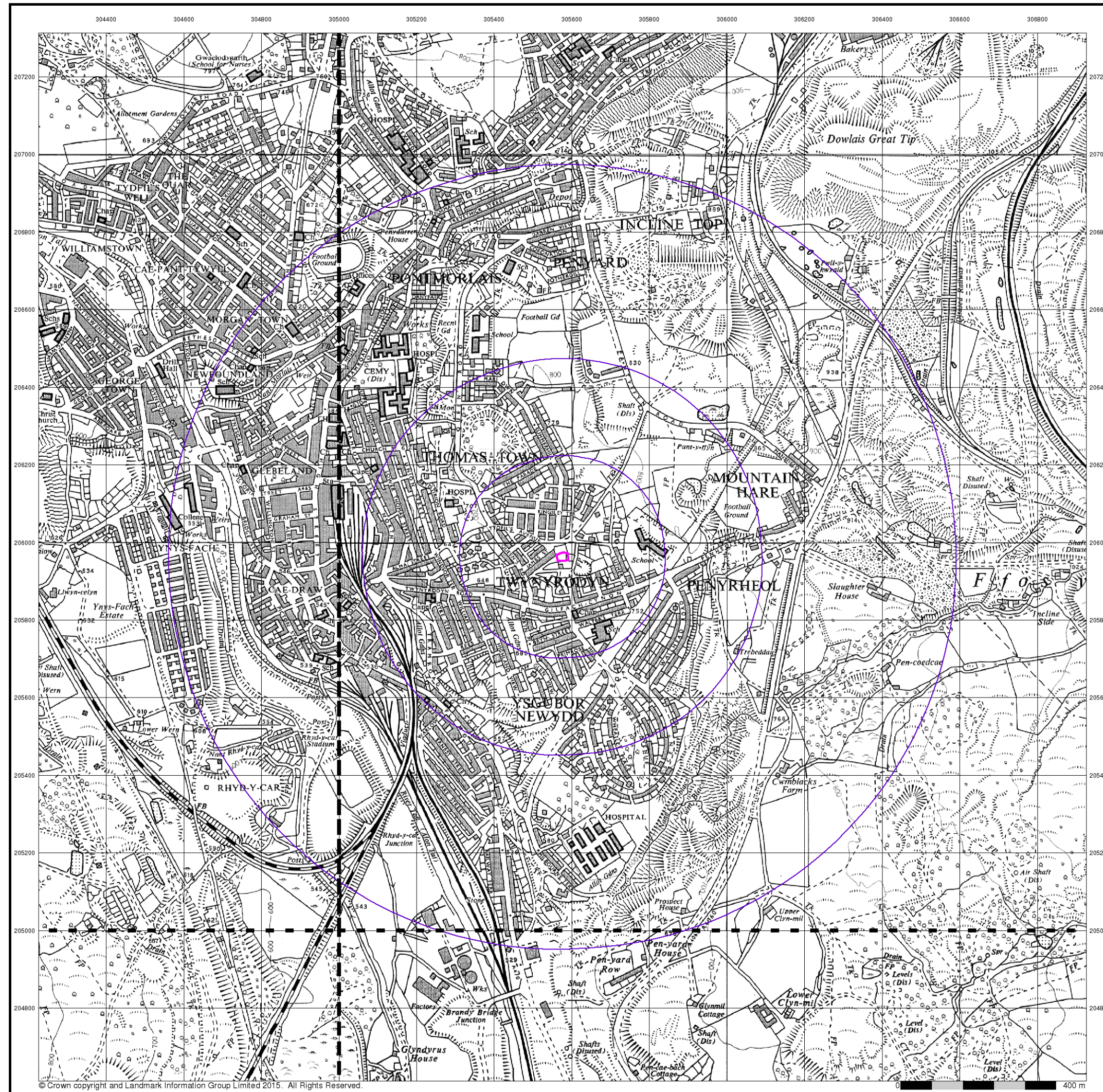
Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



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Ordnance Survey Plan

Published 1964 - 1965

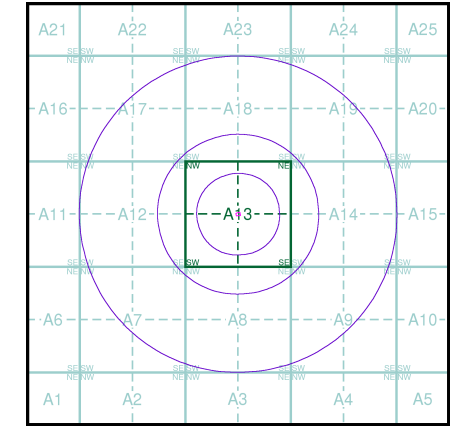
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SO00NW	SO00NE
1965	1965
1:10,560	1:10,560
SO00SW	SO00SE
1964	1964
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



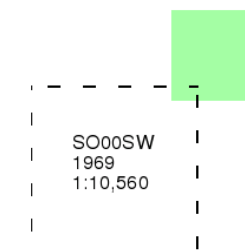
Ordnance Survey Plan

Published 1969

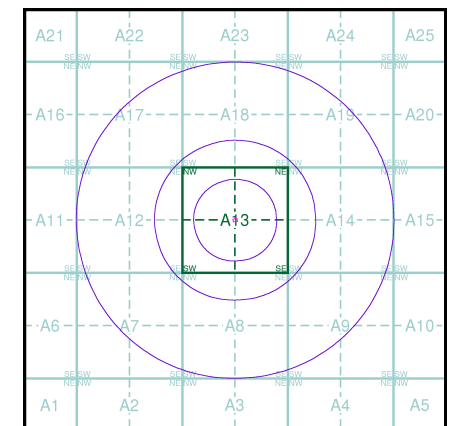
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

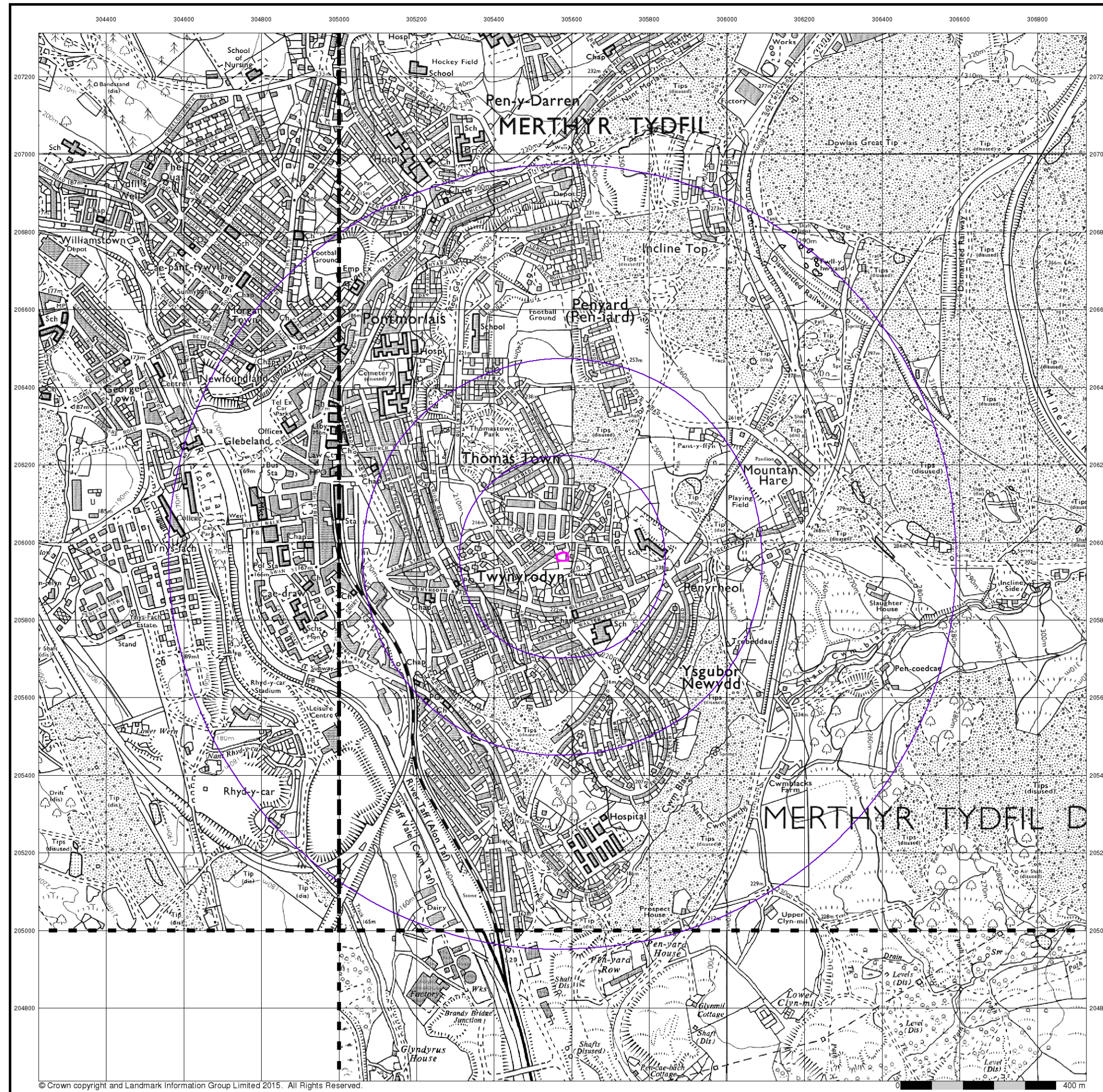
Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



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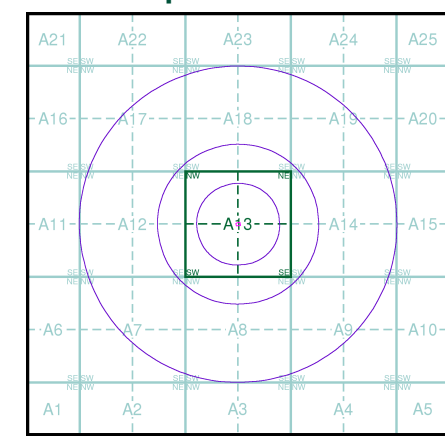
Ordnance Survey Plan
Published 1970 - 1979
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SO00NW	SO00NE
1979	1977
1:10,000	1:10,000
	SO00SE
	1970
	1:10,560

Historical Map - Slice A



Order Details

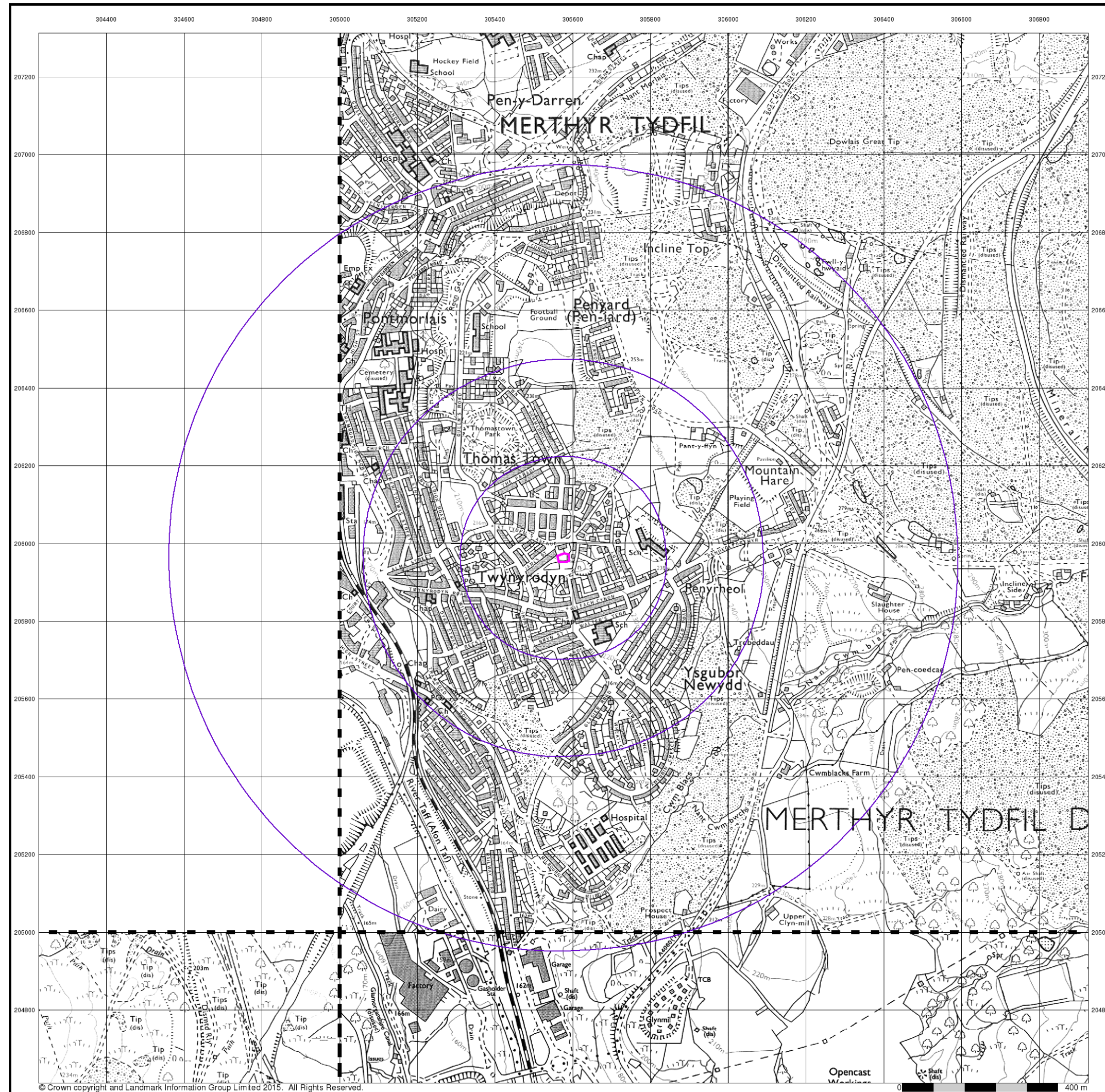
Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



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Ordnance Survey Plan

Published 1982 - 1989

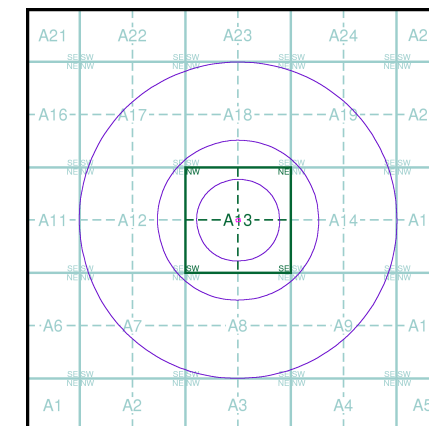
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SO00NE	1983	1:10,000
SO00SW	1982	1:10,000
SO00SE	1989	1:10,000

Historical Map - Slice A



Order Details

Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



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Ordnance Survey Plan

Published 1990 - 1992

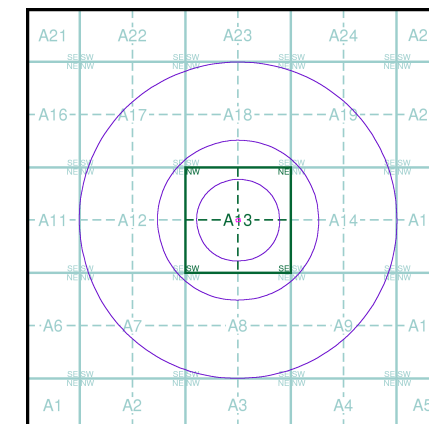
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SO00NW	SO00NE
1992	1992
1:10,000	1:10,000
SO00SW	
1990	
1:10,000	

Historical Map - Slice A



Order Details

Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



VectorMap Local

Published 2015

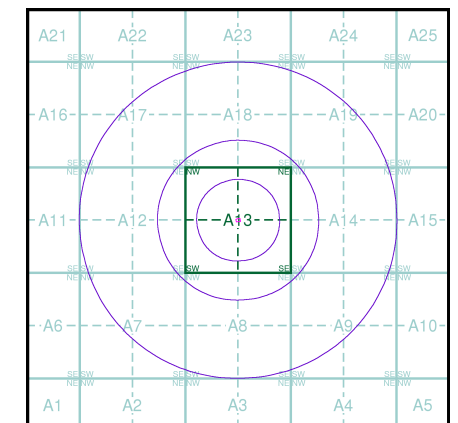
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)

SO00NW 2015 Variable	SO00NE 2015 Variable
SO00SW 2015 Variable	SO00SE 2015 Variable

Historical Map - Slice A



Order Details

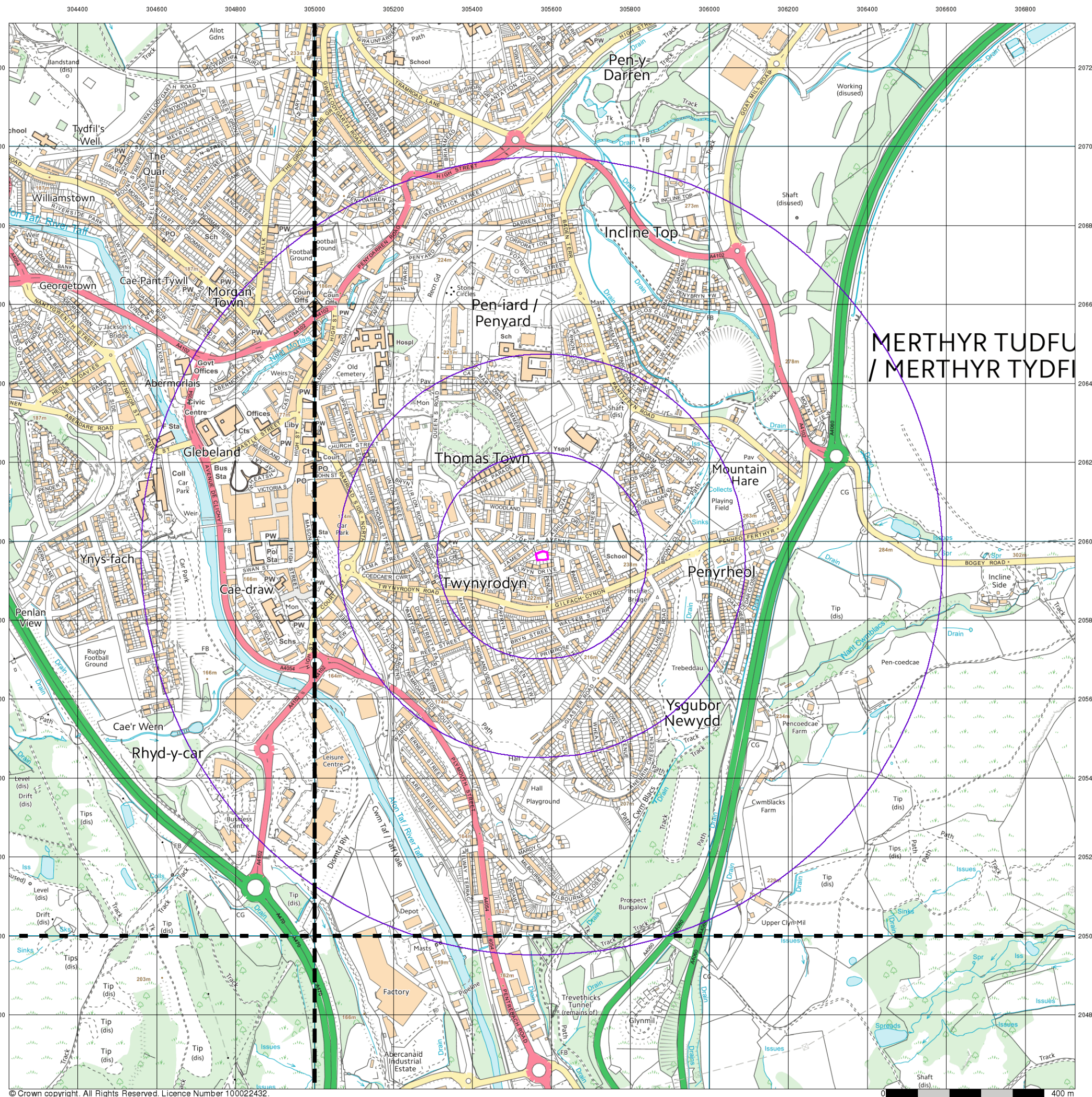
Order Number: 70905697_1_1
Customer Ref: 13319
National Grid Reference: 305580, 205960
Slice: A
Site Area (Ha): 0.06
Search Buffer (m): 1000

Site Details

Builders Yard, Elwyn Drive, Merthyr Tydfil, CF47 0NJ



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



ANNEX B
Coal Authority Report & Permit



Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0345 762 6848 DX 716176 MANSFIELD 5

**LANDMARK INFORMATION GROUP
LIMITED
SOWTON INDUSTRIAL ESTATE
ABBAY COURT
UNIT 5/7 EAGLE WAY
EXETER
DEVON
EX2 7HY**

Our reference: **51000967195001**
Your reference: **70905697_2|**
Date of your enquiry: **05 August 2015**
Date we received your enquiry: **05 August 2015**
Date of issue: **05 August 2015**

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

Non-Residential Coal Authority Mining Report

SITE AT BUILDERS YARD, ELWYN DRIVE, MERTHYR TYDFIL,

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	See comments below
Brine Compensation District	No

Information from the Coal Authority

Underground coal mining

Past

According to the records in our possession, the property is not within the zone of likely physical influence on the surface from past underground workings.

However 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. The potential presence of coal workings at or close to the surface should be considered prior to any site works or future development activity. Your attention is drawn to the Comments on Coal Authority Information section of the report.

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 or otherwise work 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

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

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 subject property, or any property within 50 metres, since 31st October 1994.

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

The 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

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, 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

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment 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. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional Remarks

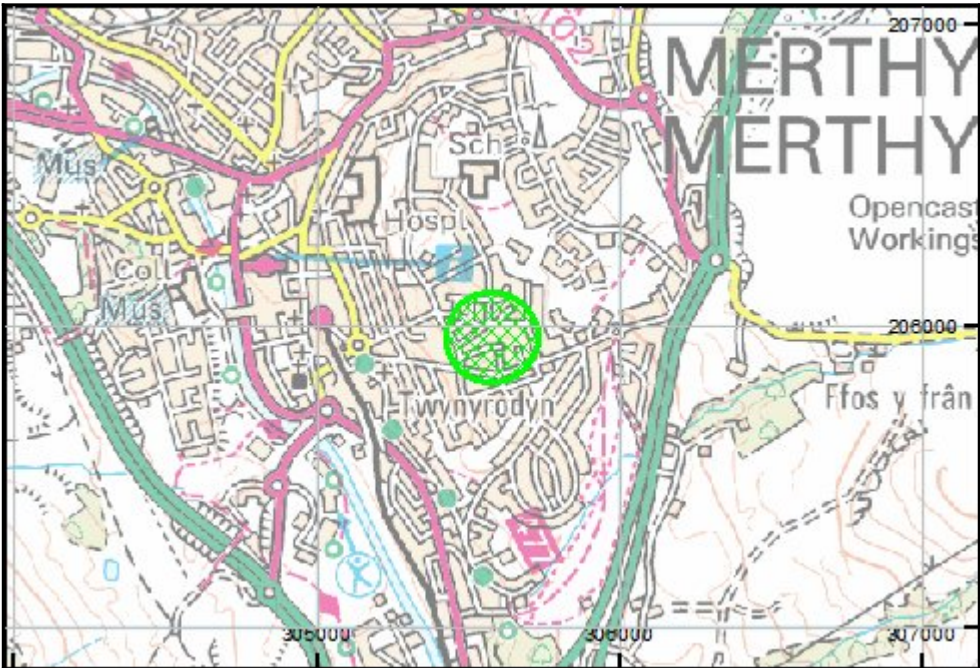
Information provided by the Coal Authority in this report is compiled in response to the Law Society's Con29M Coal Mining and Brine Subsidence Claim enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. Please note that Brine Subsidence 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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Location map



Approximate position of property

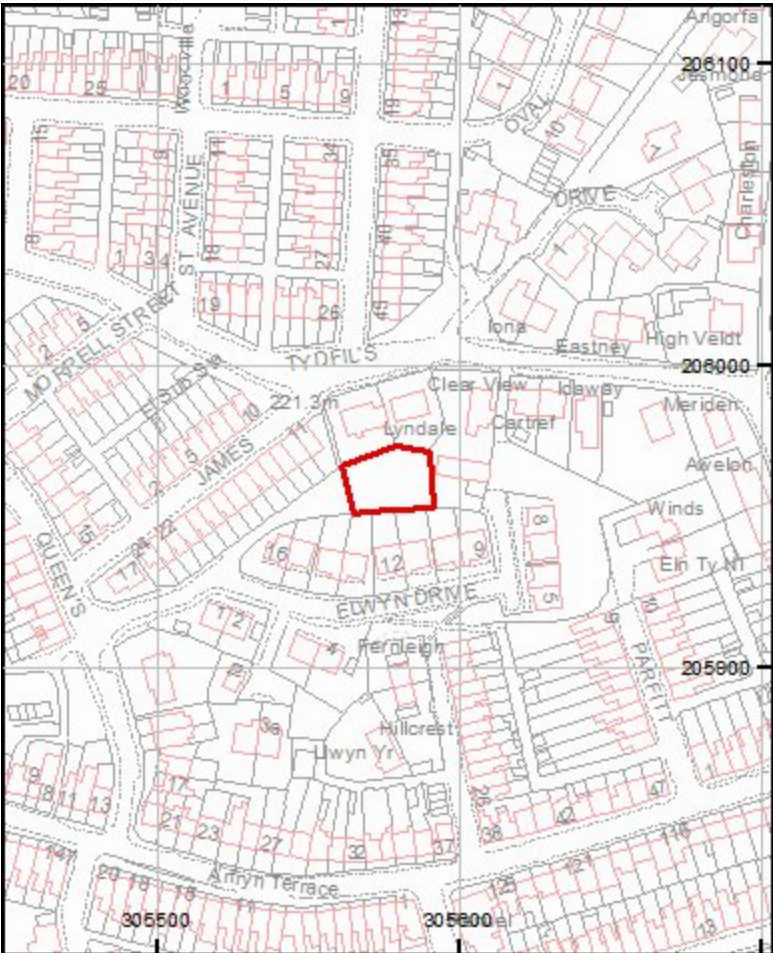


Enquiry boundary

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Key

Approximate position of enquiry boundary shown





The Coal
Authority

Permit to Enter or Disturb Coal Authority Interests

Permit 26363

Name and Address of Permit Holder:

Jason Cox
46 Blue Zone
Pant Industrial Estate
Dowlais
Merthyr Tydfil
CF48 2SR

Site Location:

Land off
Elwyn Drive
Merthyr Tydfil
CF47 0NJ

This certificate hereby grants the above named Permit Holder a Permit to carry out:-

Ground investigation by three rotary boreholes to 35m depth to determine presence or otherwise of shallow mine workings within the Authority's interests at the identified site location above as shown on the Grant Permit Boundary (overleaf) for the period of **12 months** from the granted date shown below. *The granting of this Permit does not constitute advice given by the Authority in relation to the proposed operations. It is the Permit Holder's responsibility to obtain appropriate health, safety, environmental, technical and legal advice.*

Conditions:

- *Manned entry (i.e.) into mine entries/workings) is strictly prohibited.*
- *Water flush drilling only*
- *Gas Monitoring for CO, CH₄, CO₂, O₂, and H₂S at borehole and drill rig*
- *Operators undertaking the work must be in possession of this certificate and the Permit boundary plan at the time of works*
- *Appropriate borehole reinstatement and sealing without delay and to withstand site level changes*

Signed: Leigh Sharpe Granted Date: 21/02/2023

For and on behalf of The Coal Authority

Nominated Representative: Leigh Sharpe, Permitting Manager;
The Coal Authority, Permitting Office, 200 Lichfield Lane, Mansfield, Notts, NG18 4RG
Tel: 01623 637450; E-Mail: permissions@coal.gov.uk

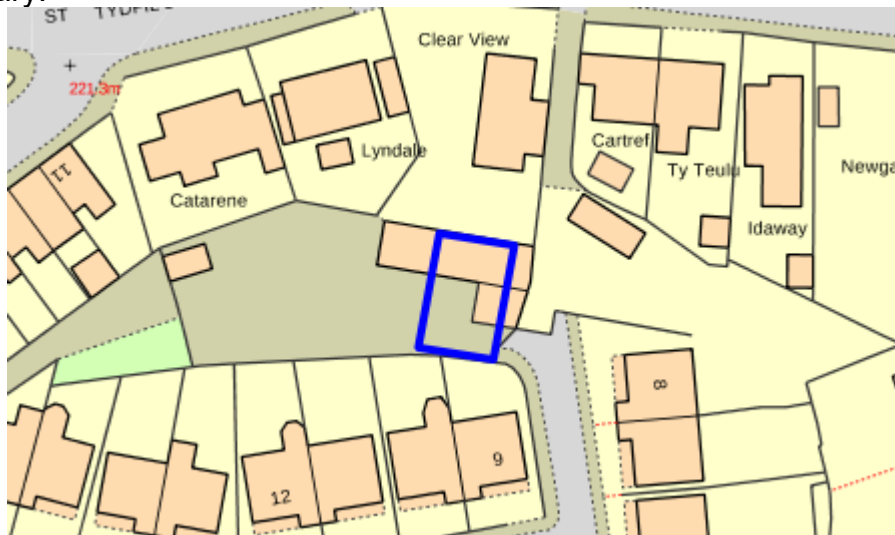


The Coal
Authority

Granted Permit Boundary

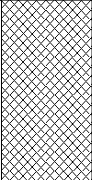
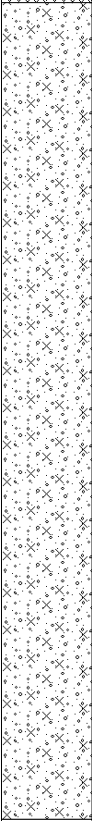
Permit Ref: 26363

Permit Boundary:



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**ANNEX C
Borehole Logs**

										Borehole No. BH1 Sheet 1 of 4	
Project Name: Elwyn Drive					Project No. 13319		Co-ords:			Hole Type RC	
Location: Merthyr Tydfil							Level:			Scale 1:50	
Client: Mr J Cox							Dates:			Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
						1.20				Grey Colliery Spoil. (MADE GROUND) (Driller's Description)	1
										Brown sandy silty fine to coarse GRAVEL and COBBLES. (Driller's Description)	2
											3
											4
											5
						6.60					6
										Grey MUDSTONE. (Driller's Description)	7
											8
						8.70				COAL. (Driller's Description)	
						8.90				Grey MUDSTONE with Sandstone/Ironstone bands. (Driller's Description)	9
											10
Remarks: Groundwater not encountered. On completion borehole backfilled with bentonite.											

										Borehole No. BH1 Sheet 2 of 4	
Project Name: Elwyn Drive					Project No. 13319		Co-ords:			Hole Type RC	
Location: Merthyr Tydfil							Level:			Scale 1:50	
Client: Mr J Cox							Dates:			Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
										Grey MUDSTONE with Sandstone/Ironstone bands. (Driller's Description)	
											11
											12
											13
											14
											15
											16
											17
											18
											19
											20
Remarks: Groundwater not encountered. On completion borehole backfilled with bentonite.											

										Borehole No. BH1 Sheet 3 of 4	
Project Name: Elwyn Drive						Project No. 13319		Co-ords:		Hole Type RC	
Location: Merthyr Tydfil								Level:		Scale 1:50	
Client: Mr J Cox								Dates:		Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
										Grey MUDSTONE with Sandstone/Ironstone bands. (Driller's Description)	
											21
											22
											23
											24
											25
											26
											27
											28
											29
											30
Remarks: Groundwater not encountered. On completion borehole backfilled with bentonite.											

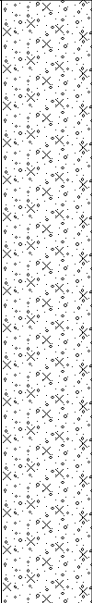
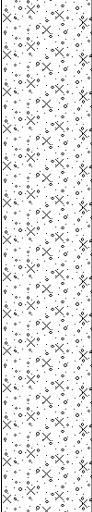
										Borehole No. BH1 Sheet 4 of 4	
Project Name: Elwyn Drive					Project No. 13319		Co-ords:			Hole Type RC	
Location: Merthyr Tydfil							Level:			Scale 1:50	
Client: Mr J Cox							Dates:			Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
						35.00				Grey MUDSTONE with Sandstone/Ironstone bands. (Driller's Description)	31
											32
											33
											34
											35
										End of Borehole at 35.000m	36
											37
											38
											39
											40
Remarks: Groundwater not encountered. On completion borehole backfilled with bentonite.											

										Borehole No. BH2 Sheet 1 of 4	
Project Name: Elwyn Drive				Project No. 13319		Co-ords:				Hole Type RC	
Location: Merthyr Tydfil						Level:				Scale 1:50	
Client: Mr J Cox						Dates:				Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
						0.10				TARMACADAM. (MADE GROUND) (Driller's Description) Brown sandy silty fine to coarse GRAVEL and COBBLES. (Driller's Description)	1
											2
											3
											4
											5
											6
						6.40				Grey MUDSTONE. (Driller's Description)	7
											8
						8.60				COAL. (Driller's Description)	
						8.90				Grey MUDSTONE with sandstone /Ironstone bands (Driller's Description)	9
											10
Remarks: Groundwater not encountered. On completion a 50mm standpipe was installed to 3.00m with a granular response zone 3.00-1.00m, bentonite plugs 35.00-3.00m and 1.00-0.10m, concrete and flush cover 0.10-0.00m.											

										Borehole No. BH2 Sheet 2 of 4	
Project Name: Elwyn Drive					Project No. 13319		Co-ords:			Hole Type RC	
Location: Merthyr Tydfil							Level:			Scale 1:50	
Client: Mr J Cox							Dates:			Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
										Grey MUDSTONE with sandstone /Ironstone bands (Driller's Description)	
											11
											12
											13
											14
											15
											16
											17
											18
											19
											20
Remarks: Groundwater not encountered. On completion a 50mm standpipe was installed to 3.00m with a granular response zone 3.00-1.00m, bentonite plugs 35.00-3.00m and 1.00-0.10m, concrete and flush cover 0.10-0.00m.											

										Borehole No. BH2 Sheet 3 of 4	
Project Name: Elwyn Drive					Project No. 13319			Co-ords:		Hole Type RC	
Location: Merthyr Tydfil								Level:		Scale 1:50	
Client: Mr J Cox								Dates:		Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
										Grey MUDSTONE with sandstone /Ironstone bands (Driller's Description)	
											21
											22
											23
											24
											25
											26
											27
											28
											29
											30
Remarks: Groundwater not encountered. On completion a 50mm standpipe was installed to 3.00m with a granular response zone 3.00-1.00m, bentonite plugs 35.00-3.00m and 1.00-0.10m, concrete and flush cover 0.10-0.00m.											

										Borehole No. BH2 Sheet 4 of 4	
Project Name: Elwyn Drive					Project No. 13319		Co-ords:			Hole Type RC	
Location: Merthyr Tydfil							Level:			Scale 1:50	
Client: Mr J Cox							Dates:			Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
										Grey MUDSTONE with sandstone /Ironstone bands (Driller's Description)	
											31
											32
											33
											34
						35.00				End of Borehole at 35.000m	35
											36
											37
											38
											39
											40
Remarks: Groundwater not encountered. On completion a 50mm standpipe was installed to 3.00m with a granular response zone 3.00-1.00m, bentonite plugs 35.00-3.00m and 1.00-0.10m, concrete and flush cover 0.10-0.00m.											

										Borehole No. BH3 Sheet 1 of 4	
Project Name: Elwyn Drive					Project No. 13319		Co-ords:			Hole Type RC	
Location: Merthyr Tydfil					Level:			Scale 1:50			
Client: Mr J Cox					Dates:			Logged By			
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
						4.00				(Driller's description)	1
											2
											3
											4
										Brown sandy silty fine to coarse GRAVEL and COBBLES. (Driller's Description)	5
											6
											7
						7.40				Grey weathered MUDSTONE. (Driller's Description)	
						7.60				COAL. (Driller's Description)	
						7.80				Grey MUDSTONE with sandstone /Ironstone bands. (Driller's Description)	8
											9
											10
Remarks: Groundwater not encountered. On completion borehole backfilled with bentonite.											

										Borehole No. BH3 Sheet 2 of 4	
Project Name: Elwyn Drive						Project No. 13319		Co-ords:		Hole Type RC	
Location: Merthyr Tydfil								Level:		Scale 1:50	
Client: Mr J Cox								Dates:		Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
										Grey MUDSTONE with sandstone /Ironstone bands. (Driller's Description)	
											11
											12
											13
											14
											15
											16
											17
											18
											19
											20
Remarks: Groundwater not encountered. On completion borehole backfilled with bentonite.											

										Borehole No. BH3 Sheet 3 of 4	
Project Name: Elwyn Drive					Project No. 13319		Co-ords:			Hole Type RC	
Location: Merthyr Tydfil							Level:			Scale 1:50	
Client: Mr J Cox							Dates:			Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
										Grey MUDSTONE with sandstone /Ironstone bands. (Driller's Description)	
											21
											22
											23
											24
											25
											26
											27
											28
											29
											30
Remarks: Groundwater not encountered. On completion borehole backfilled with bentonite.											

										Borehole No. BH3 Sheet 4 of 4	
Project Name: Elwyn Drive					Project No. 13319		Co-ords:			Hole Type RC	
Location: Merthyr Tydfil							Level:			Scale 1:50	
Client: Mr J Cox							Dates:			Logged By	
Water Strikes	Depth (m)	Type /FI	Coring			Depth (m)	Level (m)	Well	Legend	Stratum Description	
			TCR	SCR	RQD						
						35.00				Grey MUDSTONE with sandstone /Ironstone bands. (Driller's Description)	31
											32
											33
											34
											35
										End of Borehole at 35.000m	36
											37
											38
											39
											40
Remarks: Groundwater not encountered. On completion borehole backfilled with bentonite.											



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