The Oaks, Wrexham Industrial Estate
Archaeological Desk-Based Assessment
April 2024

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Report

Archaeological Desk-Based Assessment

Site

The Oaks, Wrexham Industrial Estate

Client

FI Real Estate Management Ltd

Date

April 2024

Planning Authority

Wrexham County Borough Council

Grid Reference

SJ 38762 49306

CPAT HER Enquiry Number

E6906

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Timescales Used in This Report

Prehistoric

Palaeolithic	450,000 -12,000 BC
Mesolithic	12,000 - 4,000 BC
Neolithic	4,000 - 2,200 BC
Bronze Age	2,200 - 700 BC
Iron Age	700 - AD 43

Historic

Roman	43 - 410AD
Saxon/Early Medieval	410 - 1066AD
Medieval	1066 - 1485AD
Post Medieval	1486 - 1901AD
Modern	1901 - Present Day

Executive Summary

This archaeological desk-based assessment considers land at The Oaks, Wrexham Industrial Estate (hereinafter referred to as the 'study site'). In accordance with Welsh government policy (Planning Policy Wales 2024), this assessment draws together the available archaeological, historic, topographic and land-use information in order to clarify the heritage significance and archaeological potential of the study site.

The assessment has been prepared to provide initial advice to the commission client and the support a planning application. Built heritage matters are considered in a separate Heritage Statement.

The following assets are located within the site boundary:

- A post-medieval pond (61517);
- A modern building associated with ROF Marchweil (110352); and
- A number of World War Two pillboxes (110358, 110360, 110357, 120554, 110354).

Based on the information within the Clwyd-Powys Historic Environment Record, supplemented by historic mapping and documentary research, the study site is considered to have a high potential for archaeological remains of modern date and a low potential for archaeological remains dating to all other periods. It is considered that any previously unrecorded archaeological remains would be of low/local significance although there is the potential that any archaeological deposits may contribute to regional research objectives relating to research of military remains.

The groundworks associated with the proposed development have the potential to have below ground impacts upon archaeological deposits which may survive within the study site. However, impacts can be mitigated for, in advance of, or during, construction works. It is recommended that consultation with the Clwyd-Powys Archaeological Trust is undertaken to determine the necessity for and scope of any required further archaeological works.

1.0 Introduction

1.1 This archaeological desk-based assessment considers land at The Oaks, Wrexham Industrial Estate (Figure 1). It has been researched and prepared by Orion Heritage on behalf of FI Real Estate Management Ltd. The site (hereinafter referred to as the "Study Site") is located at grid reference SJ 38762 49306. It has been prepared to provide initial advice to the commissioning client and in support of a planning application.

1.2 In accordance with the Standard and Guidance for Historic Environment Desk-Based Assessment (Chartered Institute for Archaeologists 2020), the assessment draws together available information on designated and non-designated heritage assets, topographic and land-use information so as to establish the potential for non-designated archaeological assets within the study site. The assessment includes the results of a site survey, an examination of published and unpublished records, and charts historic land-use through a map regression exercise. The assessment also considers the setting of heritage assets and provides an assessment of how their settings contribute to their significance.

1.3 The assessment enables relevant parties to assess the significance of heritage/archaeological assets on and close to the study site and considers the potential for hitherto undiscovered archaeological assets, thus enabling potential impacts on assets to be identified along with the need for design, civil engineering or archaeological solutions. It also provides an understanding of any constraints to development of the study site due to the presence of nearby heritage assets and provides an assessment of the potential impact development would have on the significance of heritage assets and also provides design responses that would serve to reduce that impact in line with local and national policy.

1.4 The study area used in this assessment is a 1km radius from the centre of the study site (Figures 2 and 3).

1.5 A site visit was undertaken on the 18th March 2024 when the conditions were sunny and visibility was clear.

Location, Topography and Geology

1.6 The study site is located at the southern extent of the Wrexham Industrial Estate. Redwither Road, which turns to Oak Road, forms the eastern boundary of the study site, with Redwith Brook forming the west. The brook feeds into to the River Clywdog which flows along the southern boundary of the study site. Agricultural land lies to the south-west and south of the study site.

1.7 The study site is located c. 30m – 35m above Ordnance Datum.

1.8 The solid geology of the study site comprises the sandstone of the Kinnerton Sandstone Formation and the mudstone, sandstone and conglomerate of the Salop Formation, which is overlain with superficial deposits of Devensian Til (BGS 2024).

Site Visit

1.9 A site visit was undertaken to gain a greater understanding of existing land use and the potential for archaeological constraints. The study site is currently comprised of an extensively wooded area which is bisected by several footpaths and contains numerous extant Second World War structures including pillboxes associated with the Marchwiel Royal Ordnance Factory which was formerly located within the study site. Brickwork remains and foundations associated with these structures were noted across the study site.



Plate 1 View into the study site from the northern site boundary



Plate 2 View within the south-east of the study site



Plate 3 Example of former military structures located within the study site

2.0 Aims, Objectives & Methodology

2.1 The principal aims of the desk-based assessment is to:

- Gain an understanding of the archaeological potential of the study site;
- Identify any archaeological constraints to the development of the study site; and to
- Assess the likely impact of the proposed development.

2.2 The results of the archaeological desk-based assessment will inform an archaeological strategy for further on-site assessment and formulation of a mitigation strategy, as appropriate to the archaeological potential of the study site.

2.3 This desk-based assessment conforms to the requirements of current national and local planning policy (including Planning Policy Wales 2024) and it has been designed in accordance with current best archaeological practice, and the appropriate national and local standards and guidelines, including:

- Management of Recording Projects in the Historic Environment: MORPHE (English Heritage 2006);
- Code of Conduct (Chartered Institute for Archaeologists [CIfA] [revised edition] 2020); and
- Standard and Guidance for Historic Environment Desk-Based Assessment (CIfA January 2020).

2.4 It is noted that the Chartered Institute for Archaeologists defines desk-based assessment as:

"a programme of study of the historic environment within a specified area or site on land, the inter-tidal zone or underwater that addresses agreed research and/or conservation objectives. It consists of an analysis of existing written, graphic, photographic and electronic information in order to identify the likely heritage assets, their interests and significance and the character of the study area, including appropriate consideration of the settings of heritage assets and, in England, the nature, extent and quality of the known or potential archaeological, historic, architectural and artistic interest. Significance is to be judged in a local, regional, national or international context as appropriate."

2.5 The Chartered Institute for Archaeologists Standard for desk-based assessment states that:

"Desk-based assessment will determine, as far as is reasonably possible from existing records, the nature, extent and significance of the historic environment within a specified area. Desk-based assessment will be undertaken using appropriate methods and practices which satisfy the stated aims of the project, and which comply with the Code of conduct and other relevant regulations of CIfA. In a development context desk-based assessment will establish the impact of the proposed development on the significance of the historic environment (or will identify the need for further evaluation to do so) and will enable reasoned proposals and decisions to be made whether to mitigate, offset or accept without further intervention that impact."

2.6 The archaeological desk-based assessment will include:

- Map regression based on Ordnance Survey maps and tithe/enclosure maps and apportionments;
- Examination of material currently held in the Cloyd-Powys Archaeological Trust Historic Environment Record for the study site and for a 1km search radius;
- Consultation of records held by Cadw and Coflein; and
- Site inspection.

2.7 The report will also include a consideration of aerial photography for the study site.

3.0 Statutory & Planning Policy Framework

Ancient Monuments & Archaeological Areas Act 1979

3.1 The Ancient Monuments & Archaeological Areas Act 1979 (as amended) protects the fabric of Scheduled Monuments but does not afford statutory protection to their settings.

Historic Environment (Wales) Act

3.2 The Historic Environment (Wales) Act was given Royal Assent in March 2016. This Act provides the legislative framework for managing the historic environment in Wales. Accompanying the Act is new policy and guidance in the form of a Technical Advice Note (TAN) specific to the Historic Environment (see below), and changes to Planning Policy Wales (PPW) Chapter 6 – Conserving the Historic Environment.

3.3 It is noted that the Historic Environment (Wales) Bill was given Royal Assent in June 2023, but will not come into force until secondary legislation has been made, expected in the later part of 2024.

Planning Policy Wales

3.4 The Welsh Government has published Planning Policy Wales (PPW), currently updated to Version 12 from February 2024. This sets out the land use planning policies of the Welsh Government. It is supplemented by a series of Technical Advice Notes (TANs). Procedural advice is given in circulars and policy clarification letters.

3.5 Section 6.1 of PPW, entitled 'The Historic Environment', provides policy for planning authorities, property owners, developers and others on the conservation and investigation of heritage assets. Section 6.1.6 sets out the Welsh Government's specific objectives for the historic environment as seeking to:

- protect the Outstanding Universal Value of the World Heritage Sites;
- conserve archaeological remains, both for their own sake and for their role in education, leisure and the economy;
- safeguard the character of historic buildings and manage change so that their special architectural and historic interest is preserved;
- preserve or enhance the character or appearance of conservation areas, whilst the same time helping them remain vibrant and prosperous;
- preserve the special interest of sites on the register of historic parks and gardens; and
- protect areas on the register of historic landscapes in Wales.

3.6 Section 6.1.1 of PPW states that "the historic environment comprises all the surviving physical elements of previous human activity and illustrates how past generations have shaped the world around us."

Technical Advice Note (TAN) 24: The Historic Environment

3.7 The purpose of the TAN is to provide guidance on how the planning system considers the historic environment during development plan preparation and decision making on planning and Listed Building applications. The TAN provides specific guidance on how the following aspects of the historic environment should be considered:

- World Heritage Sites;
- Scheduled monuments;
- Archaeological remains;
- Listed Buildings;
- Conservation Areas;
- Historic parks and gardens;
- Historic landscapes; and
- Historic assets of special local interest

3.8 The following relevant aspects are covered in detail:

Archaeological Remains

3.9 The conservation of archaeological remains is a material consideration in determining a planning application. When considering development proposals that affect Scheduled Monuments or other nationally important archaeological remains, there should be a presumption in favour of their physical preservation in situ. In cases involving less significant archaeological remains, local planning authorities will need to weigh the relative importance of the archaeological remains and their settings against other factors, including the need for the proposed development (TAN 24, 2017).

3.10 Where development might reveal, disturb or destroy archaeological remains, including paleoenvironmental evidence, it is important that the opportunities to record archaeological evidence are taken and that archaeological remains are not needlessly destroyed. The ability to record such evidence should not be a factor in deciding whether controlled removal should be permitted.

3.11 When considering planning applications that affect known or potential archaeological remains, the local planning authority should consult with their archaeological advisor, about the impact, including the potential scale and harm, of the development on archaeological remains, and/or the adequacy of the mitigation of what has been proposed. These two factors are material considerations in determining the planning application. Where a planning application directly affects a Scheduled Monument and its setting, then the local planning authority is required to consult the Welsh Ministers through Cadw.

3.12 The case for the preservation of archaeological remains that are not considered to meet the criteria for national importance, must be assessed on the individual merits of each case. The local planning authority must take into

account relevant policies and material considerations and will need to weigh the significance of the remains against the benefits of and need for the proposed development.

Conservation Principles for the Sustainable Management of the Historic Environment in Wales 2011

3.13 This document provides the basis upon which Cadw discharges certain statutory duties on behalf of the Welsh Ministers. Conservation Principles should be used by others (including owners, developers and other public bodies) to assess the potential impacts of a development proposal on the significance of any historic asset/assets and to assist in decision making where the historic environment is affected by the planning process.

3.14 There are six principles:

- Historic assets will be managed to sustain their values;
- Understanding the significance of historic assets is vital;
- The historic environment is a shared resource;
- Everyone will be able to participate in sustaining the historic environment;
- Decisions about change must be reasonable, transparent and consistent; and
- Documenting and learning from decisions is essential.

3.15 In considering any planning application for development, the planning authority will be mindful of the framework set by government policy, by current Development Plan Policy and by other material considerations.

Local Planning Policy

3.16 The Wrexham County Borough Local Development Plan 2 2013-2028 (adopted December 2023) contains the following policy relevant to this assessment:

Policy SP15: Historic and Cultural Environment

Development will only be supported where it conserves, protects, preserves or enhances the following cultural and historic assets of the County Borough and their setting:

i. Listed Buildings;

ii. Conservation Areas;

iii. Pontcysyllte Aqueduct and Canal World Heritage Site;

iv. Registered Historic Parks, Gardens and Landscapes; and

v. Scheduled Monuments and Archaeological Remains.

4.0 Archaeological & Historic Baseline

Archaeological Heritage Assets

4.1 The heritage assets under consideration have been identified by means of a review of the following resources:

- Clwyd-Powys Archaeological Trust Historic Environment Record (HER) Data;
- Coflein;
- Pastscape;
- Local studies and record office research; and
- Review of historic mapping.

4.2 This resource has been used to provide an understanding of the heritage assets which may be affected by the proposed development. This chapter will describe the heritage assets which may be affected and assess their significance.

4.3 The following assets are located within the site boundary:

- A post-medieval pond (61517);
- A modern building associated with ROF Marchweil (110352); and
- A number of World War Two pillboxes (110358, 110360, 110357, 120554, 110354).

Previous Archaeological Investigations

4.4 The study site has been included as part of numerous assessment projects, including but not limited to those relating to prehistoric (113237) and historic settlement (e.g. 123561), Roman sites (e.g. 112375), medieval and post-medieval monastic sites (e.g. 123175), farms and farming (129654), mills (1297254), Welsh battlefields (113549) and modern miliary sites (e.g. 130971). A full list can be found in Appendix A.

4.5 Some records relate to photographic and drawn surveys of surviving structures associated with ROF Marchwiel (58189, 58862 & 72199), and assessments of route options for access roads (118085), including a geophysical survey (115398) and fieldwalking survey (115399).

4.6 The remaining records of previous archaeological investigations undertaken across the search area comprise work relating to the Rivers Scheduling Enhancement Project (170065), a geophysical survey (115435), walkover and field surveys (e.g. 123423 & 57907) and desk-based assessments (e.g. 118880).

Prehistoric and Roman

4.7 There are no records of prehistoric or Roman date recorded within the study site, nor are there any records of Roman date within the search area.

4.8 The only prehistoric period represented within the search area is the Iron Age, although evidence is limited to the find spot of a copper alloy artefact (141456), c. 900m to the south of the study site.

4.9 Evidence of prehistoric activity is limited to the find spot of Iron Age material and there is no recorded evidence of Roman activity. It is considered that there is no higher than a low potential for archaeological remains of prehistoric or Roman date.

Saxon/Early Medieval and Medieval

4.10 There are no records of Saxon/early medieval or medieval date recorded within the study site, nor are there any records of Saxon/early medieval date within the search area.

4.11 It is thought Wrexham had Saxon origins with place-name evidence indicating a water meadow belong to Wrythel (Mills 2011: 512), although it was not recorded in the Domesday Book. The area developed as a market town during the 14th and 15th centuries with prospering wool and leather industries.

4.12 Evidence of medieval activity within the search area comprises an area of probable ridge and furrow (142641), c. 645m to the north of the study site, identified from LiDAR data and a field name (101526), c. 465m to the west of the study site.

4.13 There is no recorded evidence of Saxon/early medieval activity within the search area and evidence of medieval data indicates the search area, and study site, lay outside of the focus of medieval activity in Wrexham, likely in agricultural use. It is considered there is no higher than a low potential for archaeological remains dating to these periods.

Post Medieval to Modern

4.14 During the post-medieval period, Wrexham became an important regional market town with purpose built markets built in the late 18th century, with the population expanding during the 19th century, in part as a result of the arrival of railway lines.

4.15 A pond (61517) has been recorded within the study site which is likely a former marl pit with further examples of such features recorded elsewhere across the search area (e.g. 61418, 61489, 61491, 61500 & 61511).

4.16 Examples of industrial activity across the search area include a mill (104174), smithies (104297, 10415) and agricultural activity is indicated by the identification of farms (e.g. 146283, 146937, 147135, 147133 & 147678).

4.17 The location of boundary stones (104298-104300) and the find spots of a cannon ball (132416) and coin (141455) have also been recorded within the search area.

4.18 The earliest map included in this assessment is the 1819 Chester Ordnance Survey (OS) Drawing (Figure 4) which shows the study site as forming part of undeveloped land on the south side of a road. The 1879 OS map (Figure 5) shows the study site in more detail as numerous enclosed land parcels which are bisected by multiple tracks or footpaths. A structure is marked at its north-eastern extent.

4.19 The study site once formed part of Royal Ordnance Factory (ROF) Marchwiel (72200), a World War Two munitions factory which employed 13,000 workers for the production of cordite to be used in propellants. The factory was approved in August 1939, was served by an internal railway system (119838) and covered an area of c. 700ha, being the second largest Royal Ordnance Factory after ROF Waltham Abbey. The Marchwiel site was chosen for the factory due to high local unemployment and available labour, its distance from urban populations, and good railway links. The factory began production of propellants in March 1941. It is thought that the area of the study site was one of the final phases of construction within the wider factory and may not have ever been fully operational (Kennedy 2017).

4.20 It is thought that the study site formed part of the storage and depot facilities associated with the factory. It closed in 1945 and the surviving buildings have been adapted for re-use as the Wrexham Industrial Estate. A number of pillboxes, including some located within the study site itself, (110354, 110357, 110358, 110360 & 120554) around its perimeter secured the factory site. The location of a brick-built building (110352) within the study site may also relate to the munitions factory.

4.21 Other features associated with the factory recorded within the search area comprise bunkers used for the storage of explosives (72197, 72198) and firewatchers' posts (167148-167155, 167197& 167180).

4.22 There is little change shown to the study site on subsequent historic mapping. The biggest change is shown on the 1954 OS map (Figure 6) which indicates the extent of the development of ROF Marchweil. Several structures are shown across the study site, with some likely representing temporary structures. The 1964 OS map (Figure 7) marks further structures across the study site, including some of the pillboxes marked on the HER. By the time of the 1992-1993 OS map several of the structures had been demolished.

4.23 The post-medieval and modern periods are the best represented within the search area. The potential for archaeological remains of post-medieval date is considered to be low and the potential for archaeological remains of modern date is considered to be high, particularly for remains associated with ROF Marcweil.

Undated

4.24 There are two records of unknown date within the search area; the remains of farm buildings (142094) and a wier (214552).

Aerial Photography

4.25 Google Earth holds good quality satellite images dating from 2006 to 2023 which show the undeveloped nature of the study site with pathways and tracks crossing it. A number of structures are visible across the study site, some of which correspond with the locations of a building and pillboxes recorded on the HER. Later images show the increasingly overgrown nature of the study site.

4.26

4.27 A review of the available evidence has indicated that the study site has a low potential for archaeological remains of prehistoric to post-medieval data and high potential for archaeological remains of modern date is considered to be high, particularly for remains associated with ROF Marcweil. Although the significance of previously unrecorded archaeological deposits cannot be fully determined at this stage, available evidence suggests that any such deposits would be of low/local significance. However, there is the potential that any archaeological deposits may contribute to regional research objectives relating to research of military remains (www.archaeoleg.org.uk/areanortheast.html)

4.28 The following assets are located within the site boundary:

- A post-medieval pond (61517);
- A modern building associated with ROF Marchweil (110352); and
- A number of World War Two pillboxes (110358, 110360, 110357, 120554, 110354).

4.29 The location of the post-medieval pond (61517) is considered to be of limited heritage significance and is not assessed further. The significance of ROF Marchaeil (110352) and World Two pillboxes (110358, 110360, 110357, 120554, 110354) is discussed in a separate Heritage Statement.

5.0 Proposed Development & Potential Impact on Heritage Assets

Site Conditions

5.1 The site is currently wooded areas bisected by several tracks and containing several pillboxes and structures associated with the former ROF Marchwiel site.

The Proposed Development

5.2 The proposed development comprises the construction of a main unit for light/general industrial use (HIAB), including integral offices extending to approximately 70,000 sqft within a 7-acre site. The proposals also comprise sensitive landscaping within the remainder of the study site surrounding this main unit. This landscaping presents an opportunity to incorporate extant buildings and structures associated with the former ROF Marchwiel site within an ecological and heritage trail that preserves any remaining significance of the site as part of the former Royal Ordnance Factory.

Potential Archaeological Impacts and Mitigation Measures

5.3 A review of the available evidence has indicated that the study site has a high potential for archaeological remains of modern date and a low potential for archaeological remains dating to all other periods. It is considered that any previously unrecorded archaeological remains would be of low/local significance although there is the potential that any archaeological deposits may contribute to regional research objectives relating to research of military remains.

5.4 The groundworks associated within the construction of the proposed development, including the excavation of foundations, provision of access roads and new services and associated landscaping works, have the potential to have below ground deposits which may survive within the study site.

5.5 However, such impacts can be mitigated for in advance of, or during construction works. It is recommended that discussions are undertaken with the Clwyd-Powys Archaeological Trust, who advise the Local Planning Authority on archaeological matters, in order to determine the necessity for and scope of any required further archaeological work.

5.6 The impacts upon ROF Marchaeil (110352) and World Two pillboxes (110358, 110360, 110357, 120554, 110354) is discussed in a separate Heritage Statement.

6.0 Summary & Conclusions

6.1 This archaeological desk-based assessment considers land at The Oaks, Wrexham Industrial Estate, which is proposed for industrial development (Figure 1).

6.2 The assessment has been prepared to provide initial advice to the commission client and the support a planning application. Built heritage matters are considered in a separate Heritage Statement.

6.3 The following assets are located within the site boundary:

- A post-medieval pond (61517);
- A modern building associated with ROF Marchweil (110352); and
- A number of World War Two pillboxes (110358, 110360, 110357, 120554, 110354).

6.4 Based on the information within the Clwyd-Powys Historic Environment Record, supplemented by historic mapping and documentary research, the study site is considered to have a high potential for archaeological remains of modern date and a low potential for archaeological remains dating to all other periods. It is considered that any previously unrecorded archaeological remains would be of low/local significance although there is the potential that any archaeological deposits may contribute to regional research objectives relating to research of military remains.

6.5 The groundworks associated with the proposed development have the potential to have below ground impacts upon archaeological deposits which may survive within the study site. However, impacts can be mitigated for, in advance of, or during, construction works. It is recommended that consultation with the Clwyd-Powys Archaeological Trust is undertaken to determine the necessity for and scope of any required further archaeological works.

Sources

General

Clwyd-Powys Historic Environment Record
The National Archives

Cartographic

1819 – Ordnance Survey Drawing

1879 – Ordnance Survey map

1954 – Ordnance Survey map

1964 – Ordnance Survey map

1979-1979 – Ordnance Survey map

Websites

Archaeological Data Service – www.ads.ahds.ac.uk

A Research Framework for the Archaeology of Wales - https://www.archaeoleg.org.uk/areanortheast.html

British History Online – http://www.british-history.ac.uk/

British Geological Society Geology of Britain Viewer - http://www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html

Coflein - https://coflein.gov.uk/en/

MAGIC - www.magic.gov.uk

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APPENDIX A – GAZETTEERS

GAZETTEER OF ARCHAEOLOGICAL ASSETS – CLWYD-POWYS HER

In order to understand the nature and extent of the surrounding archaeological resources and built heritage assets, a study area of a 1km buffer of the study site was adopted. The following gazetteer represents all of the relevant entries from the Clwyd-Powys Historic Environment Record.

Abbreviations:
CPHER: Clwyd-Powys Historic Environment Record

CPHER NUMBER	NAME	NGR	PERIOD
Monuments Data			
41780	Pickhill Bridge	SJ3963648220	POST MEDIEVAL
61418	Maelor Saesneg pond 401	SJ3915747938	POST MEDIEVAL
61488	Maelor Saesneg pond 471	SJ3874948581	POST MEDIEVAL
61489	Maelor Saesneg pond 472	SJ3879648453	POST MEDIEVAL
61490	Maelor Saesneg pond 473	SJ3886448281	POST MEDIEVAL
61491	Maelor Saesneg pond 474	SJ3872548286	POST MEDIEVAL
61492	Maelor Saesneg pond 475	SJ3857848160	POST MEDIEVAL
61493	Maelor Saesneg pond 476	SJ3876748184	POST MEDIEVAL
61494	Maelor Saesneg pond 477	SJ3891148205	POST MEDIEVAL
61495	Maelor Saesneg pond 478	SJ3911948031	POST MEDIEVAL
61496	Maelor Saesneg pond 479	SJ3910048059	POST MEDIEVAL
61497	Maelor Saesneg pond 480	SJ3916648023	POST MEDIEVAL
61498	Maelor Saesneg pond 481	SJ3968648538	POST MEDIEVAL
61499	Maelor Saesneg pond 482	SJ3975548600	POST MEDIEVAL
61500	Maelor Saesneg pond 483	SJ3962048590	POST MEDIEVAL

CPHER NUMBER	NAME	NGR	PERIOD
61501	Maelor Saesneg pond 484	SJ3971048857	POST MEDIEVAL
61502	Maelor Saesneg pond 485	SJ3957548874	POST MEDIEVAL
61503	Maelor Saesneg pond 486	SJ3954248961	POST MEDIEVAL
61504	Maelor Saesneg pond 487	SJ3963748973	POST MEDIEVAL
61505	Maelor Saesneg pond 488	SJ3982149053	POST MEDIEVAL
61506	Maelor Saesneg pond 489	SJ3984949153	POST MEDIEVAL
61507	Maelor Saesneg pond 490	SJ3983549438	POST MEDIEVAL
61508	Maelor Saesneg pond 491	SJ3959949134	POST MEDIEVAL
61509	Maelor Saesneg pond 492	SJ3956149325	POST MEDIEVAL
61510	Maelor Saesneg pond 493	SJ3957849575	POST MEDIEVAL
61511	Maelor Saesneg pond 494	SJ3956849613	POST MEDIEVAL
61513	Maelor Saesneg pond 496	SJ3973149878	POST MEDIEVAL
61514	Maelor Saesneg pond 497	SJ3933049951	POST MEDIEVAL
61515	Maelor Saesneg pond 498	SJ3925749953	POST MEDIEVAL
61516	Maelor Saesneg pond 499	SJ3903449330	POST MEDIEVAL
61517	Maelor Saesneg pond 500	SJ3899449164	POST MEDIEVAL
72197	Wrexham, ROF Marchwiel, WWII bunker I	SJ38314925	MODERN
72198	Wrexham, ROF Marchwiel, WWII bunker II	SJ38384920	MODERN
72200	Wrexham, ROF Marchwiel	SJ38354927	MODERN
101526	Cae Mynach Fieldname	SJ38004912	MEDIEVAL
104174	Pickhill Bridge Mill	SJ393484	POST MEDIEVAL
104297	Hirdir View Smithy	SJ39654830	POST MEDIEVAL

CPHER NUMBER	NAME	NGR	PERIOD
104298	Hirdir Boundary Stone I	SJ39554840	POST MEDIEVAL
104299	Hirdir Boundary Stone II	SJ39644832	POST MEDIEVAL
104300	Hirdir Boundary Stone III	SJ39714823	POST MEDIEVAL
104514	Redwither smithy	SJ380492	POST MEDIEVAL
110352	Wrexham, ROF Marchwiel, building	SJ389491	MODERN
110353	Wrexham, ROF Marchwiel, pill box I	SJ38954925	MODERN
110354	Wrexham, ROF Marchwiel, pill box II	SJ391490	MODERN
110355	Wrexham, ROF Marchwiel, pill box III	SJ39154910	MODERN
110356	Wrexham, ROF Marchwiel, pill box IV	SJ392493	MODERN
110357	Wrexham, ROF Marchwiel, pill box V	SJ387493	MODERN
110358	Wrexham, ROF Marchwiel, pill box VI	SJ386493	MODERN
110359	Wrexham, ROF Marchwiel, pill box VII	SJ389494	MODERN
110360	Wrexham, ROF Marchwiel, pill box VIII	SJ386493	MODERN
119838	Wrexham, ROF Marchwiel, railway	SJ38354927	MODERN
120544	Wrexham, ROF Marchwiel, Abenbury, Pillbox	SJ382487	MODERN
120545	Wrexham, ROF Marchwiel, Sesswick, Pillbox	SJ383489	MODERN
120546	Wrexham, ROF Marchwiel, Abenbury, Pillbox	SJ383490	MODERN
120547	Wrexham, ROF Marchwiel, Isycoed, Pillbox	SJ383495	MODERN
120548	Wrexham, ROF Marchwiel, Sesswick, Pillbox	SJ385485	MODERN
120549	Wrexham, ROF Marchwiel, Sesswick, Pillbox	SJ387486	MODERN
120550	Wrexham, ROF Marchwiel, Sesswick, Pillbox	SJ387488	MODERN
120552	Wrexham, ROF Marchwiel, Sesswick, Pillbox	SJ389486	MODERN

CPHER NUMBER	NAME	NGR	PERIOD
120553	Wrexham, ROF Marchwiel, Sesswick, Pillbox	SJ389487	MODERN
120554	Wrexham, ROF Marchwiel, Isycoed, Pillbox	SJ389490	MODERN
132416	Abenbury, cannon ball	SJ379491	POST MEDIEVAL
141455	Isycoed, shilling of James I	SJ398484	POST MEDIEVAL
141456	Isycoed, fob	SJ398484	IRON AGE
142094	Sesswick, Farmstead	SJ38074830	UNKNOWN
142641	Erlas Black Wood, ridge and furrow	SJ3771050036	MEDIEVAL
146283	Coed Aben Farm	SJ3774549586	POST MEDIEVAL
146284	Coed Aben Farm	SJ3775949584	POST MEDIEVAL
146285	Coed Aben Farm	SJ3776049572	POST MEDIEVAL
146937	Higher Oak	SJ3972448828	POST MEDIEVAL
146938	Higher Oak	SJ3973148843	POST MEDIEVAL
146939	Higher Oak	SJ3973648844	POST MEDIEVAL
146940	Higher Oak	SJ3974448833	POST MEDIEVAL
146941	Higher Oak	SJ3974848834	POST MEDIEVAL
147135	Little Bryn	SJ3883449700	POST MEDIEVAL
147333	Lower Oak	SJ3925149059	POST MEDIEVAL
147334	Lower Oak	SJ3923749079	POST MEDIEVAL
147678	Parkey Lodge	SJ3854548151	POST MEDIEVAL
147679	Parkey Lodge	SJ3854948154	POST MEDIEVAL
147680	Parkey Lodge	SJ3855148162	POST MEDIEVAL
147681	Parkey Lodge	SJ3855448186	POST MEDIEVAL

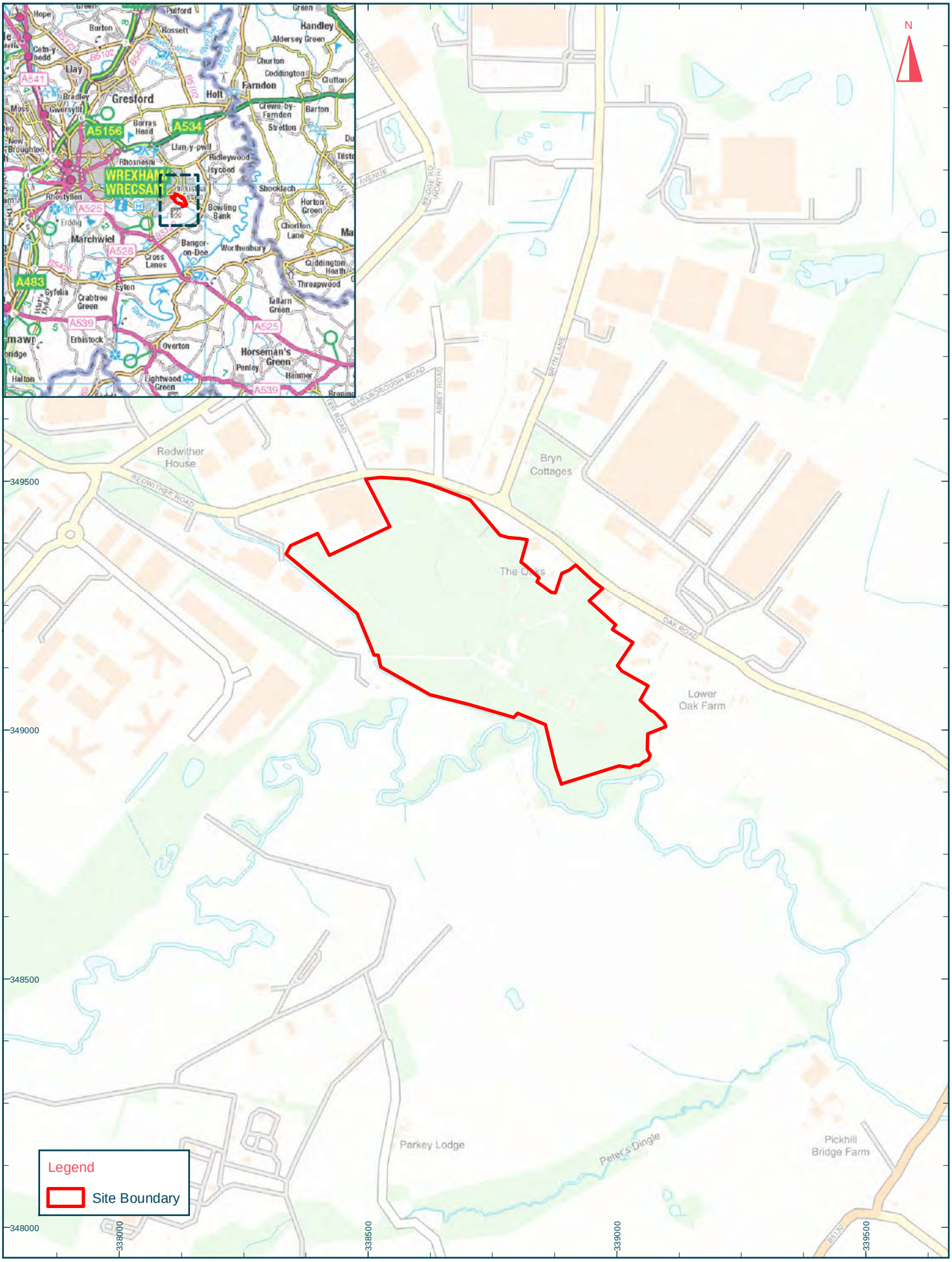
CPHER NUMBER	NAME	NGR	PERIOD
147939	Pickhill Bridge Farm	SJ3938148205	POST MEDIEVAL
147940	Pickhill Bridge Farm	SJ3941248233	POST MEDIEVAL
147941	Pickhill Bridge Farm	SJ3942448254	POST MEDIEVAL
147942	Pickhill Bridge Farm	SJ3946648239	POST MEDIEVAL
147943	Pickhill Bridge Farm	SJ3945248232	POST MEDIEVAL
147944	Pickhill Bridge Farm	SJ3944148228	POST MEDIEVAL
147945	Pickhill Bridge Farm	SJ3944148218	POST MEDIEVAL
147946	Pickhill Bridge Farm	SJ3945848222	POST MEDIEVAL
147947	Pickhill Bridge Farm	SJ3940048247	POST MEDIEVAL
167148	Wrexham Industrial Estate, Bowling Bank, Firewatchers Post I	SJ3825548760	MODERN
167149	Wrexham Industrial Estate, Bowling Bank, Firewatchers Post II	SJ38244894	MODERN
167150	Wrexham Industrial Estate, Bowling Bank, two Firewatchers Posts	SJ38354847	MODERN
167151	Wrexham Industrial Estate, Bowling Bank, Firewatchers Post III	SJ3819948350	MODERN
167152	Wrexham Industrial Estate, Bowling Bank, Firewatchers Post IV	SJ38244903	MODERN
167153	Wrexham Industrial Estate, Bowling Bank, Firewatchers Post V	SJ38474916	MODERN
167154	Wrexham Industrial Estate, Bowling Bank, Firewatchers Post VI	SJ38144901	MODERN
167155	Wrexham Industrial Estate, Bowling Bank, Firewatchers Post VII	SJ38044887	MODERN
167171	Wrexham Industrial Estate, Bowling Bank, Pillbox (Type FW3/24)	SJ39344880	MODERN
167172	Wrexham Industrial Estate, Bowling Bank, Pillbox I	SJ39394888	MODERN
167173	Wrexham Industrial Estate, Bowling Bank, Pillbox II (Type FW3/24)	SJ3941349067	MODERN
167179	Wrexham Industrial Estate, Bowling Bank, Firewatchers Post VII	SJ38044879	MODERN
167180	Wrexham Industrial Estate, Bowling Bank, Firewatchers Post VIII	SJ38264910	MODERN

CPHER NUMBER	NAME	NGR	PERIOD
214552	Sesswick, weir	SJ3957448243	UNKNOWN
Events Data			
26978	Fivefords Industrial Estate, Bridge Road, Wrexham	-	-
49993	Deserted Rural Settlements in North-east	-	-
57907	Fivefords Industrial Estate, Bridge Road, Wrexham	-	-
57908	Fivefords Industrial Estate, Bridge Road, Wrexham	-	-
58872	The Short Dykes of Mid and North East Wales	-	-
106555	Wrexham Industrial Estate Access Road	-	-
110508	Wrexham Industrial Estate Access Roads	-	-
112375	Roman Settlements: The Scheduling Enhancement Programme	-	-
112376	Roman Funerary and Religious Sites: The Scheduling Enhancement Programme	-	-
113148	An Uplands Initiative Monograph: Feasibility Study	-	-
113149	Deserted Medieval and Later Rural Settlements in Powys and Clwyd: The Final Report	-	-
113236	The Short Dykes of Mid and North East Wales	-	-
113237	Early Prehistoric Settlement in Mid and North East Wales: The Lithic Evidence	-	-
113242	Round Huts in North-East Wales 2003-04	-	-
113243	Round Huts in North-East Wales Scheduling Recommendations 2003-04	-	-
113249	Early Medieval Cemeteries in Mid and North-east Wales: Scheduling Recommendations	-	-
113250	Early Medieval Cemeteries in Mid and North-east Wales: Project Report	-	-
113485	Caves: The Scheduling Enhancement Programme	-	-
113549	Welsh Battlefields Project Pilot Study Historical Research	-	-
115395	Mines and Quarries: Scheduling Enhancement Project	-	-

CPHER NUMBER	NAME	NGR	PERIOD
115396	Burnt Mounds: Scheduling Enhancement Project	-	-
115397	Defended Enclosures in North-east Wales 2007-8	-	-
115398	Wrexham Industrial Estate Access Roads: Archaeological Works	-	-
115399	Wrexham Industrial Estate Access Roads: Archaeological Works	-	-
115409	Roman Military Sites in north-east and east Wales	-	-
115411	Further Work on the Short Dykes of Mid and North-east Wales	-	-
115422	Defended Enclosures in North-east Wales, 2007-08.	-	-
115430	Early Medieval Ecclesiastical Sites: Scheduling Recommendations 2003-04	-	-
115432	Early Medieval and Ecclesiastical Sites in Mid and North-East Wales: The Second Report	-	-
115432	Early Medieval and Ecclesiastical Sites in Mid and North-East Wales: The Second Report	-	-
115434	Archaeological Research Agenda for Wales. Clwyd-Powys Resource Audit	-	-
115435	Roman Fort Environs in Powys I. The Geophysics	-	-
115440	Ports and Harbours in North-east Wales	-	-
115445	Roman Fort Environs	-	-
115447	Medieval Crosses and Crossheads	-	-
115452	Roman Military Sites in Mid and North-East Wales	-	-
118085	Wrexham Industrial Estate Access Roads	-	-
118880	Wrexham Industrial Estate Access Roads: Archaeological Works	-	-
120905	Twentieth Century Military Sites	-	-
120906	Twentieth Century Military Sites	-	-
120907	Twentieth Century Military Sites	-	-
123175	Medieval and Early Post-Medieval Monastic and Ecclesiastical Sites in East and North-East Wales	-	-

CPHER NUMBER	NAME	NGR	PERIOD
123561	Historic Settlement Archaeology Reassessment 2010-2014	-	-
123689	The Short Dykes of Mid and North East Wales	-	-
123690	The Short Dykes of Mid and North East Wales	-	-
123707	Medieval and Early Post-Medieval Monastic and Ecclesiastical Sites in East and North-East Wales	-	-
123960	Twentieth Century Military Airfield Hinterlands. Scheduling Enhancement Programme 2013	-	-
123961	Twentieth Century Military Airfield Hinterlands. Scheduling Enhancement Programme, desk based assessment 2013	-	-
123962	Twentieth Century Military Airfield Hinterlands. Scheduling Enhancement Programme, field survey 2013	-	-
129654	Medieval and Early Post-Medieval Farms and Farming Scheduling Enhancement Programme	-	-
129655	Medieval and Early Post-Medieval Farms and Farming Scheduling Enhancement Programme	-	-
129656	Medieval and Early Post-Medieval Farms and Farming Scheduling Enhancement Programme	-	-
129723	Mills and Milling Scheduling Enhancement Programme	-	-
129724	Mills and Milling Scheduling Enhancement Programme	-	-
129725	Mills and Milling Scheduling Enhancement Programme	-	-
130753	Historic Settlement Archaeology Reassessment 2012-13	-	-
130754	Historic Settlement Archaeology Reassessment 2012-13	-	-
130971	Twentieth-Century Military Project	-	-
130972	Twentieth-Century Military Project	-	-
132130	Twentieth Century Military Sites	-	-
132131	Twentieth Century Military Sites	-	-
132132	Twentieth Century Military Sites	-	-

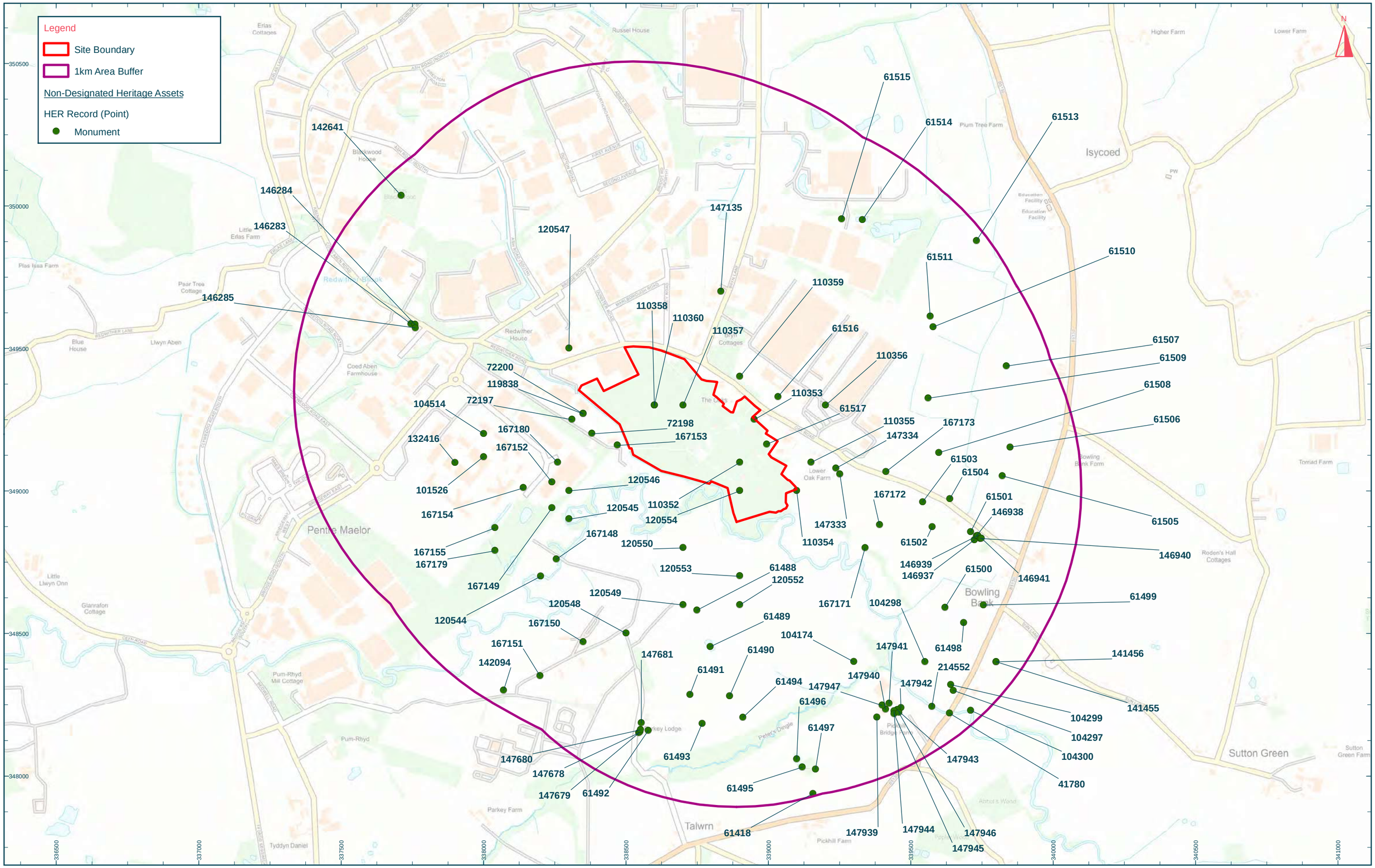
CPHER NUMBER	NAME	NGR	PERIOD
132142	Roman Military Vici Assessment	-	-
132148	First World War Commemoration	-	-
132421	Warrens and Parks: Medieval and Post-Medieval SEP	-	-
132422	Warrens and Parks: Medieval and Post-Medieval SEP	-	-
132423	Warrens and Parks: Medieval and Post-Medieval SEP	-	-
132470	Warrens and Parks: Medieval and Post-Medieval SEP	-	-
132471	Warrens and Parks: Medieval and Post-Medieval SEP	-	-
132472	Warrens and Parks: Medieval and Post-Medieval SEP	-	-
141540		-	-
141794		-	-
141832		-	-
142322		-	-
170065	2021-22 Rivers Project	-	-
58189	Wrexham, ROF Marchwiel, WWII bunkers, photographic survey 1999	SJ38314925	-
58862	Wrexham, ROF Marchwiel, WWII bunkers, mitigation project 1999	SJ38314925	-
72199	Wrexham, ROF Marchwiel, WWII bunkers, survey 1999	SJ38314925	-
118085	Wrexham Industrial Estate Access Roads, Mitigation project 2003-4	SJ36914944	-
170065	Rivers Scheduling Enhancement Project – Rivers Usk, Honddu and Grwyne	SO0793197221	-



Title:
Figure 1: Site Location
Address:
The Oaks, Wrexham Industrial Estate

Scale at A4: 1:10,000
0 300m

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Title:
Figure 2: HER Monuments Records
Address:
The Oaks, Wrexham Industrial Estate

Scale at A3: 1:12,000
0 400m

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Title:
Figure 3: HER Events Records

Address:
The Oaks, Wrexham Industrial Estate

Scale at A3: 1:12,000

0 400m

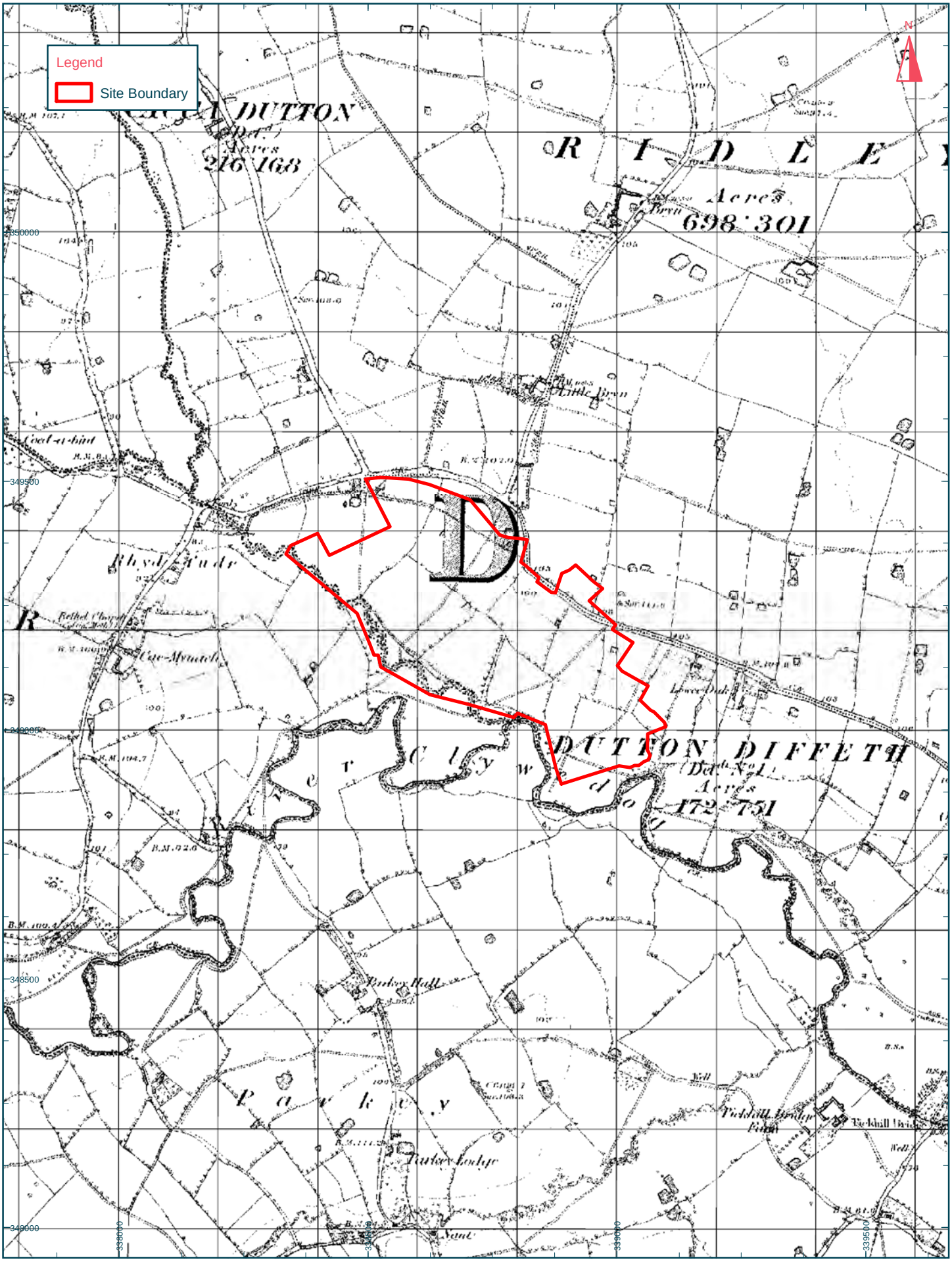
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Title:
Figure 4: Extract from the 1819 Chester Ordnance Survey Drawing
Address:
The Oaks, Wrexham Industrial Estate

Scale at A4: 1:10,000
0 300m

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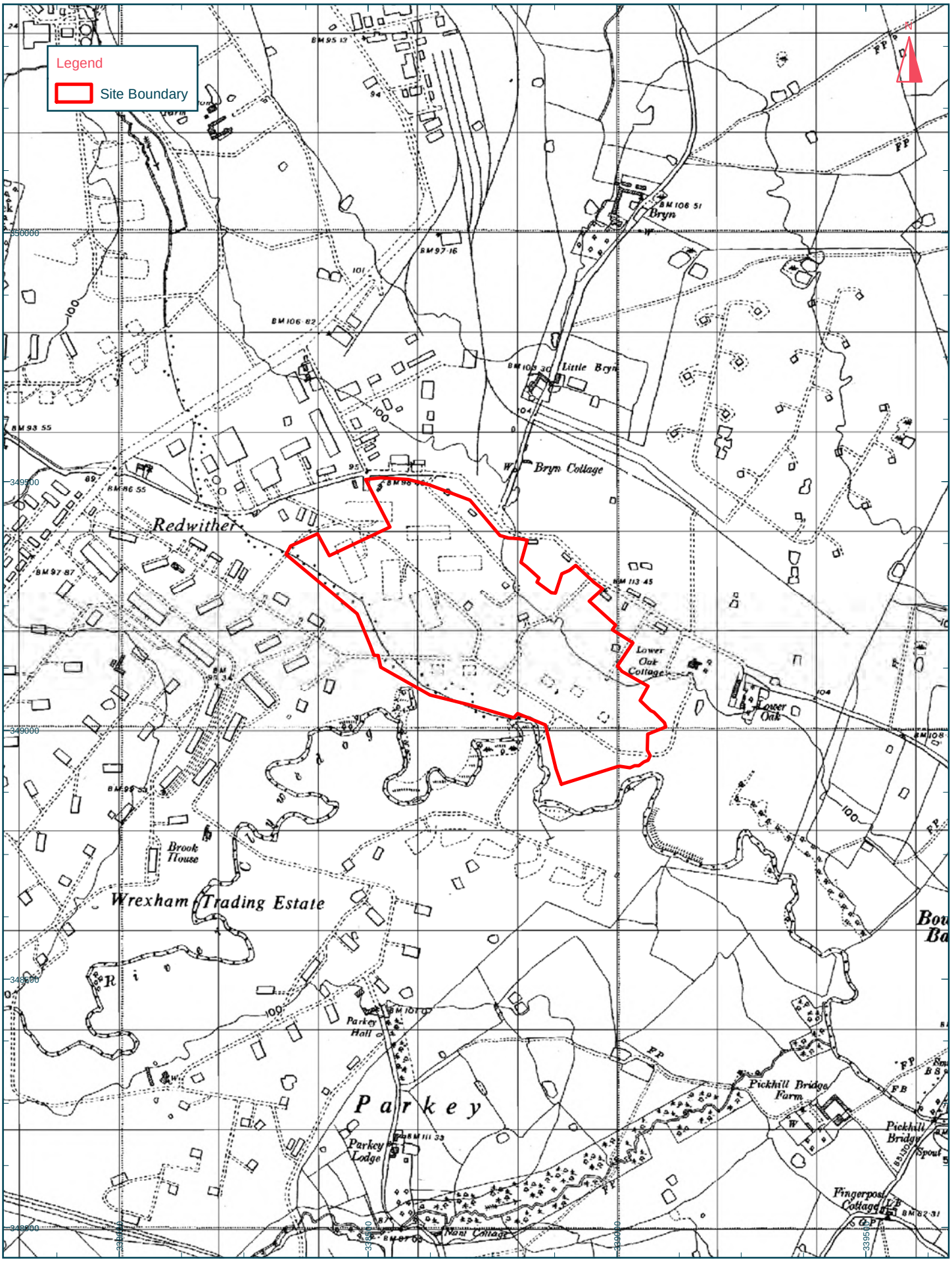


Title:
Figure 5: Extract from the 1879 6 inch scale Ordnance Survey map
Address:
The Oaks, Wrexham Industrial Estate

Scale at A4: 1:10,000
0 300m

orion.

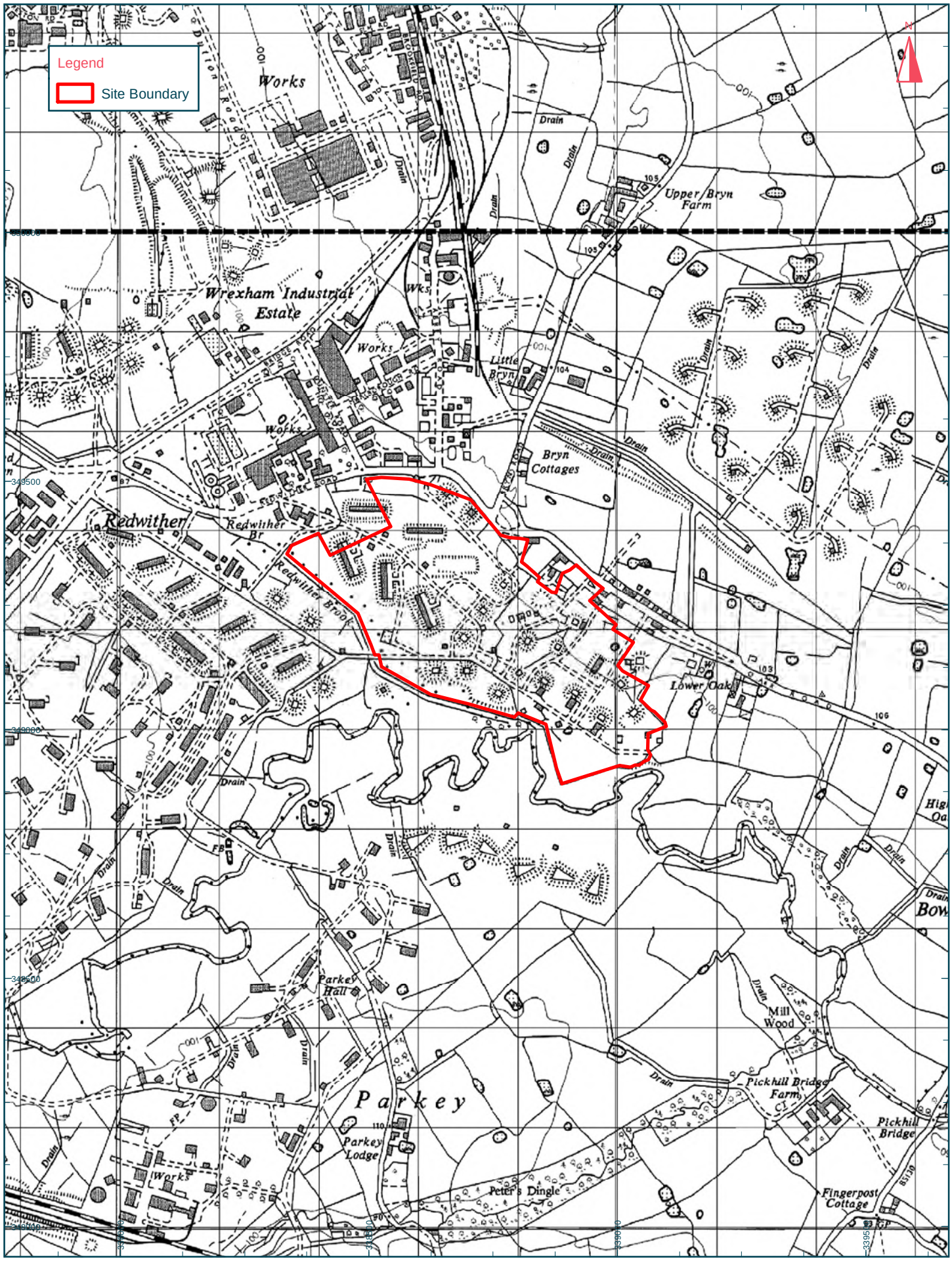
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Title:
Figure 6: Extract from the 1954 6 inch scale Ordnance Survey map
Address:
The Oaks, Wrexham Industrial Estate

Scale at A4: 1:10,000
0 300m

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Title:

Figure 7: Extract from the 1964 6 inch scale Ordnance Survey map

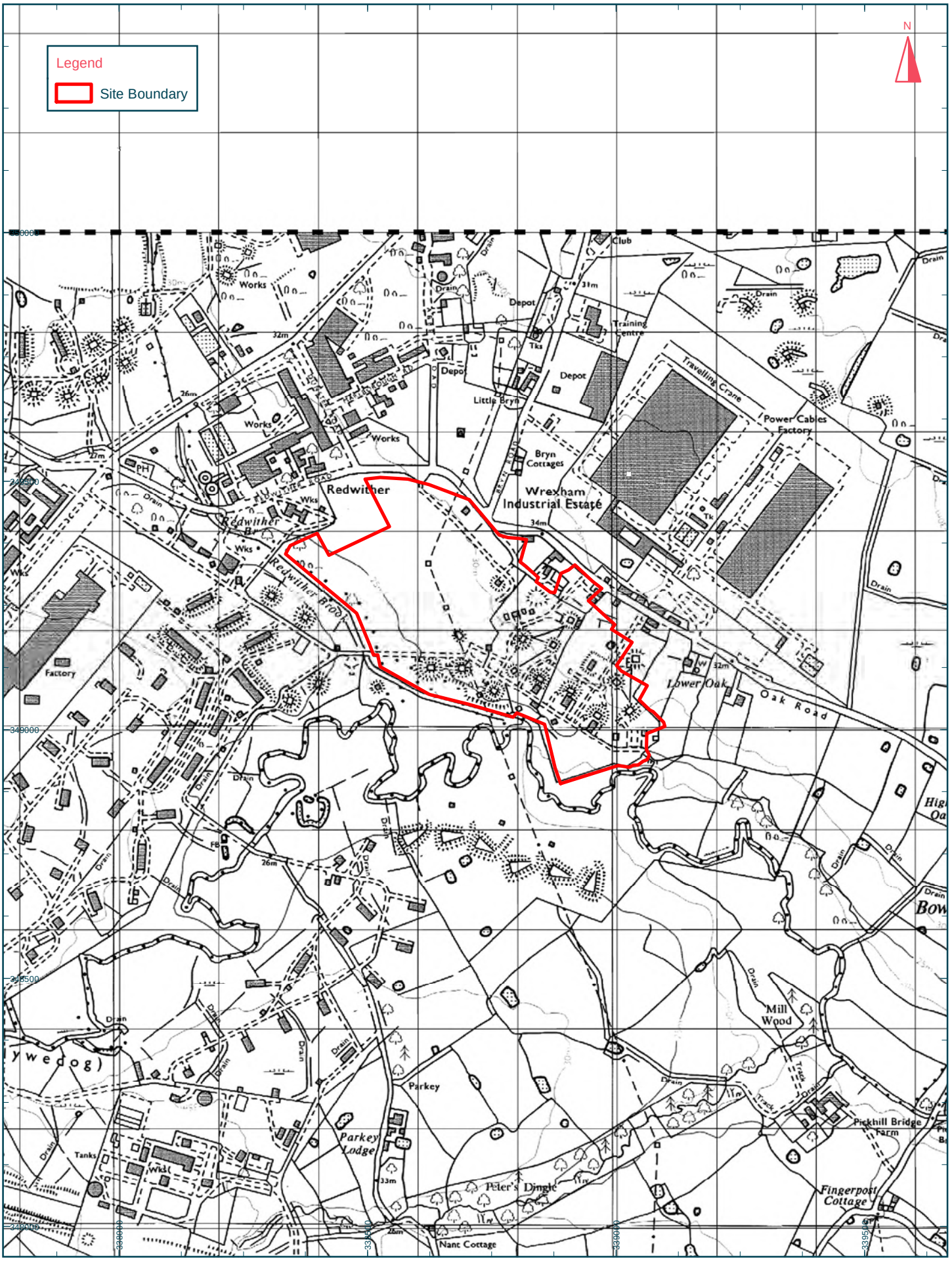
Address:

The Oaks, Wrexham Industrial Estate

Scale at A4: 1:10,000

0 300m

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Title:

Figure 8: Extract from the 1970-1979 1:10,000 scale Ordnance Survey map

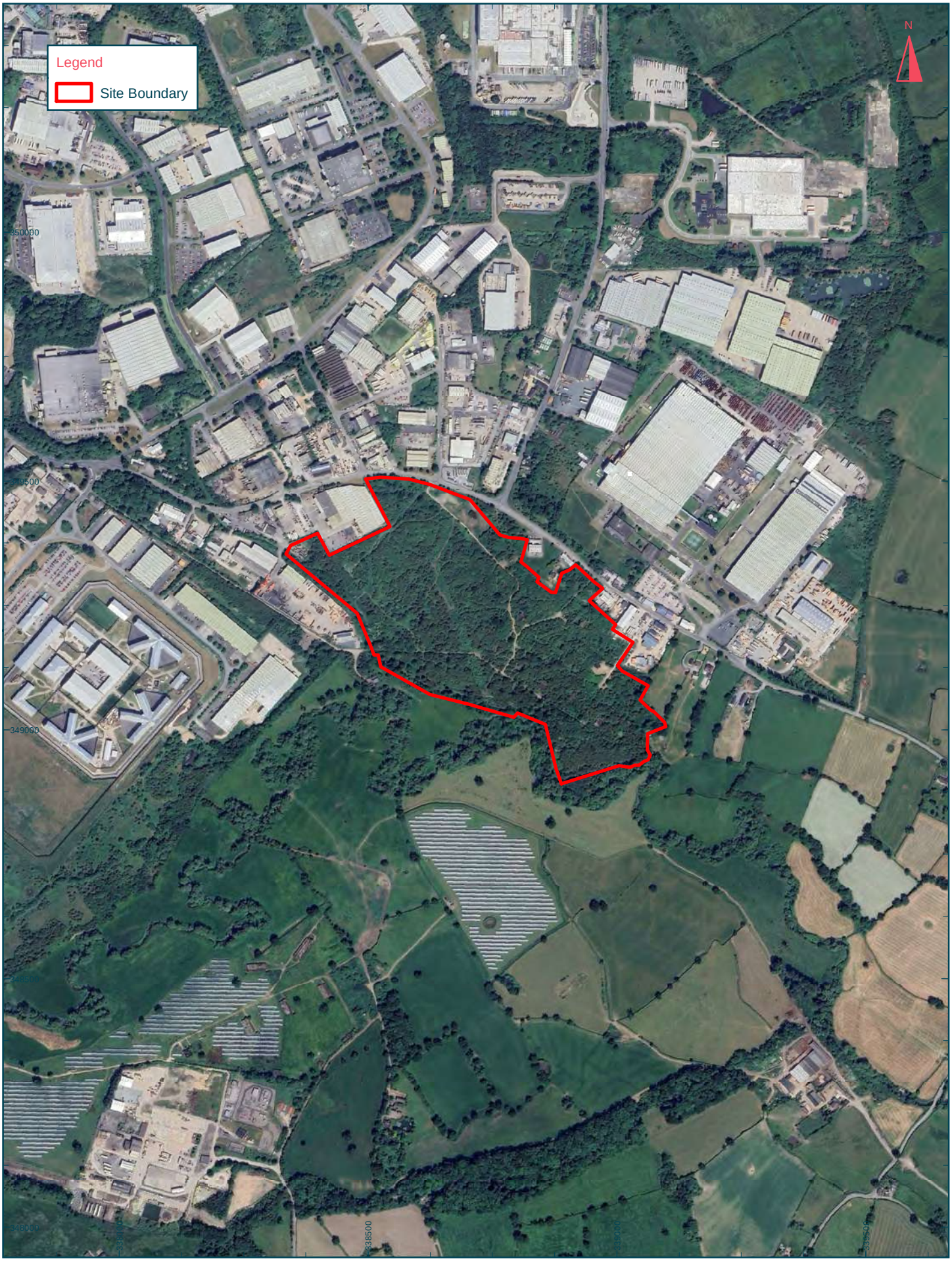
Address:

The Oaks, Wrexham Industrial Estate

Scale at A4: 1:10,000

0 300m

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Title:
Figure 9: Satellite image of study site
Address:
The Oaks, Wrexham Industrial Estate

Scale at A4: 1:10,000
0 300m

orion.

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