Appendix 10.3: Pre-application Consultation Responses and WSIs	

Archaeology:

WSI for Desk-based Assessment (EDP, 2021)



Symmetry Park, Ardley

Written Scheme of Investigation for an Archaeological and Heritage Assessment

Prepared by:

The Environmental

Dimension

Partnership Ltd

On behalf of: Tritax Symmetry Ardley Ltd.

December 2021 Report Reference edp2355_r007a

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Appendix

Appendix EDP 1 Site Location Plan

This version is intended for electronic viewing only

	Report Ref: edp2355_r007				
	Author	Formatted	Peer Review	Proofed by/Date	
007_DRAFT	EB	FM	-	-	
007a	-	-	RS	FJ 161221	

Section 1 Introduction

- 1.1 This Written Scheme of Investigation has been prepared by The Environmental Dimension Partnership Ltd (EDP) for approval by the archaeological advisor to Cherwell District Council.
- 1.2 This document sets out the methodologies to be employed in the preparation of an Archaeological and Heritage Assessment. The aim of the proposed assessment is to assess the nature, extent and significance of the historic environment which has the potential to be affected by the proposed development. The assessment is in support of a proposed commercial development on land at Ardley, Oxfordshire.
- 1.3 The assessment will address the requirements of Paragraph 194 of the National Planning Policy Framework (MHCLG 2021) and Policy ESD 15 of the Adopted Cherwell District Local Plan 2011-2031.
- 1.4 The assessment will also conform to additional guidance for archaeological desk-based assessment contained in the Standard and Guidance for Historic Environment Desk-Based Assessment issued by the Chartered Institute for Archaeologists (CIfA 2020).

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Section 2 The Site

Location and Boundaries

- 2.1 The Site is located to the immediate east of the junction between the A43 and B4100, and 0.5km to the east/north-east of Junction 10 of the M40 near Ardley, Oxfordshire. The Site comprises eight agricultural, arable fields, with the proposed development footprint covering an area totalling c.77 hectares (ha).
- 2.2 The Site is centred on National Grid Reference (NGR) 455362, 229178.
- 2.3 The Site is in two parts located to the north and south of the B4100 road. The western boundary of the Site is formed by the A43 dual carriageway and the north and east by minor roads. The southern part of the Site is adjacent to further fields of arable land and woodland. The boundaries within and around the Site are formed mainly by well-maintained hedgerows. Its location and layout are shown on **Appendix EDP 1**.

Geology and Topography

- 2.4 The underlying geology within the site comprises limestone sedimentary bedrock of the White Limestone Formation, with Forest Marble Formation and Bladon member mudstone and limestone in the central eastern part of the Site (www.bgs.ac.uk). There are no superficial deposits recorded.
- 2.5 The land within the Site is largely flat (c.115m above Ordnance Datum (aOD)), although it gently slopes downwards towards the east, to a height of c.110m aOD along the eastern boundary road.

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Section 3 Methodology

- 3.1 The report will be produced in accordance with the Standard and Guidance for Historic Environment Desk-Based Assessment issued by the Chartered Institute for Archaeologists (ClfA, 2020). These guidelines provide a national standard for the completion of desk-based assessments.
- 3.2 The assessment will adopt a 1km radius from the Site boundary Study Area for its consideration of potential physical effects on heritage assets. A broader study area will be adopted for the evaluation of potential effects upon the setting of designated heritage assets.
- 3.3 The assessment will involve the consultation of readily available archaeological and historical information from documentary, cartographic, aerial photographic and LiDAR sources. The principal sources of information will comprise:
 - Information held by the Oxfordshire Historic Environment Record (HER) on known archaeological sites, monuments and findspots, within the vicinity of the Site;
 - Information from the Oxfordshire Historic Landscape Character study;
 - Information from the Portable Antiquities Scheme (PAS), available from the PAS website;
 - A previous desk-based assessment written by EDP, and the sources acquired for that study, for a closely comparable site (EDP, 2015_r004a);
 - The National Heritage List for England curated by Historic England for designated heritage assets;
 - Fieldwork reports from previous archaeological investigations close to the Site;
 - Geological maps held on-line by the British Geological Survey;
 - Geotechnical reports (if available);
 - Maps and other relevant documents and books held by the Oxfordshire History Centre and online sources, including all editions of the Ordnance Survey;
 - LiDAR Data coverage of the Site and its environs. To be acquired from the Environment Agency as a Digital Terrain Model (DTM) and then processed into visualisations using the Relief Visualisation Toolbox (ver. 1.3 ZRC SAZU, 2016). The most effective visualisation(s) would then inform the assessment; and

- Aerial photographs held by the Historic England Archive and, if relevant, those held by the HER.
- 3.4 The information gathered from these sources will be complemented by a site walkover. This walkover will consider the nature and significance of known and/or potential archaeological assets within the Site, identify visible historic features, and assess possible factors which may affect the survival or condition of known or potential assets. The Site walkover will also consider, where appropriate, the contribution made by the land within the Site to the settings of designated and non-designated heritage assets situated within its wider zone of influence and the value of the historic landscape resource more generally.
- 3.5 A report will be produced which will provide a synthesis of relevant information for the Site and thereafter will conclude with, (1) an assessment of its likely archaeological potential, made with regard to current best practice guidelines, and (2) an assessment of the likely effect of the proposed development upon designated assets. With regard to (2) above, the assessment process will be undertaken with reference to the Historic England guidance Good Practice Advice in Planning Note 3: The Setting of Heritage Assets (Second edition) (HE 2017).

Section 4 Report Content

- 4.1 The report structure will be dependent on the findings of the research, the needs of the project, and the stage within the planning process. The report will, as a minimum, contain the following sections:
 - Non-technical summary;
 - Introduction;
 - Context of project;
 - Site location and description;
 - Geological and Topographical description;
 - Aims and purpose of the assessment;
 - Methodology;
 - Baseline archaeological and heritage information presented as a period-based archaeological and historical background, consisting of:
 - Designated heritage assets;
 - Non-designated heritage assets;
 - Cartographic, aerial photographic and LiDAR evidence (if data is available to a sufficient resolution to be useful for the purposes of the assessment); and
 - Site walkover.
 - Assessment of the potential for archaeological remains within the Site considering previous/known impacts;
 - Assessment of the potential physical impact of the proposed development on the significance of archaeological remains within the Site;
 - Assessment of the potential effect on the significance of designated heritage assets through changes to their settings;
 - An assessment of the impact of development on the character of the historic landscape;

- Conclusions;
- Supporting data in appendices, as necessary;
- References; and
- Supporting illustrations, including reproduction of relevant HER data, LiDAR data (if available) and historic maps.
- 4.2 Provided that there are no issues of commercial confidentiality, a copy of the archaeological and heritage assessment will be submitted to the Oxfordshire Historic Environment Record. Considering the standard process of client review and editing, this will most likely be broadly contemporary with the submission of the planning application.

Section 5 Bibliography

Chartered Institute for Archaeologists (ClfA), 2020. Standard and Guidance for Historic Environment Desk-based Assessment. Reading.

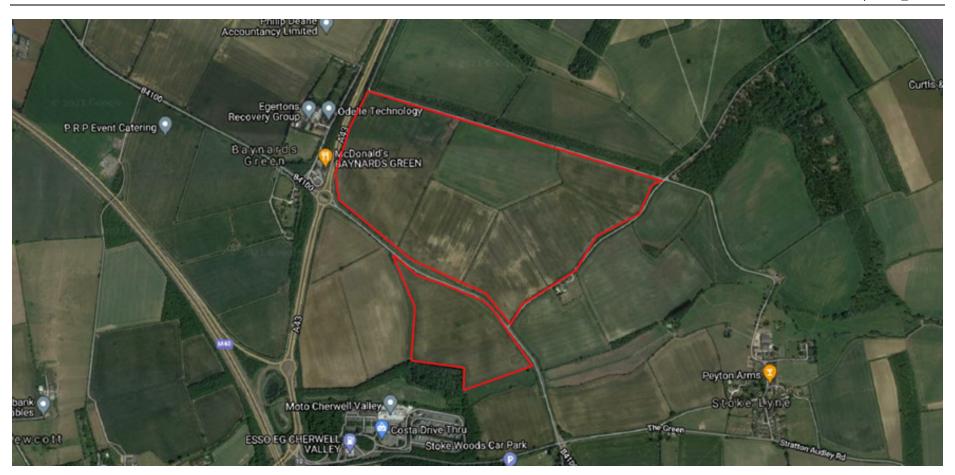
EDP, 2015 Symmetry Park, Ardley, Archaeological and Heritage Assessment. EDP_r004a

Historic England (HE), 2017. Historic Environment Good Practice Advice in Planning Note 3: The Setting of Heritage Assets (Second Edition). London.

Ministry of Housing, Communities and Local Government (MHCLG), 2019. *The National Planning Policy Framework*. London.

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Appendix EDP 1 Site Location Plan





CARDIFF 02921 671900

CHELTENHAM 01242 903110

CIRENCESTER 01285 740427

info@edp-uk.co.uk www.edp-uk.co.uk

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IEMA Transforming the world to sustainability

Landscape Institute Registered practice Email response from Lead Archaeologist, OCC 23/11/2021

From: Oram, Richard - Communities

Rob Skinner To:

Subject: RE: edp2355 - Junction 10 M40 Ardley

Date: 24 November 2021 11:00:17

Attachments: image001.png

image002.png image003.png image004.png

Rob,

That is now acceptable.

Regards

Richard

Richard Oram Lead Archaeologist

Archaeology County Hall **New Road** Oxford **OX1 1ND**

Tel 07917 001026

A Save money and paper - do you really need to print this email?

From: Rob Skinner <robs@edp-uk.co.uk>

Sent: 23 November 2021 14:19

To: Oram, Richard - Communities < Richard. Oram@Oxfordshire.gov.uk>

Subject: RE: edp2355 - Junction 10 M40 Ardley

CAUTION: This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi Richard,

Please find attached revised version based on your comments below. Are you able to confirm if this is now suitable please?

Many thanks,

Rob

Rob Skinner

Principal Archaeology and Heritage Consultant

m 07557 021709 w www.edp-uk.co.uk From: Oram, Richard - Communities < Richard. Oram@Oxfordshire.gov.uk >

Sent: 23 November 2021 09:49

To: Rob Skinner <robs@edp-uk.co.uk>

Subject: RE: edp2355 - Junction 10 M40 Ardley

Rob,

There will need to be a few amendments to this WSI.

The HER does not supply Portable Antiquities data, this will need to be accessed from the PAS website itself. Likewise any NMP data will need to be obtained from Historic England although for this site there is no NMP data. We do know from other surveys however that there are cropmarks visible for the area from the HE AP collection that were not on the HER.

We will also need the WSI to set out how the Lidar data will be processed.

Regards

Richard

Richard Oram Lead Archaeologist

Archaeology County Hall **New Road** Oxford OX1 1ND

Tel 07917 001026

save money and paper - do you really need to print this email?

From: Rob Skinner < robs@edp-uk.co.uk>

Sent: 22 November 2021 11:43

To: Oram, Richard - Communities < <u>Richard.Oram@Oxfordshire.gov.uk</u>>

Subject: RE: edp2355 - Junction 10 M40 Ardley

CAUTION: This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Dear Richard,

Further to the below, please find attached a WSI in relation to an Archaeology and Heritage DBA that we will be producing for the site at Ardley.

Please let me know if you have comments on this or if you consider it appropriate?

Kind regards,

Rob

Rob Skinner

Principal Archaeology and Heritage Consultant

m 07557 021709 **w** www.edp-uk.co.uk

From: Rob Skinner

Sent: 12 November 2021 17:27

To: Oram, Richard - Communities < <u>Richard.Oram@Oxfordshire.gov.uk</u>>

Subject: edp2355 - Junction 10 M40 Ardley

Dear Richard,

I'm not sure if you have been consulted on this previously (possibly back in 2015?) but my client are looking to submit an application to develop a site close to junction 10 of the A40 at Ardley, Oxfordshire. Part of the site was subject to geophysics back in 2015 and we are under an assumption that you would be looking to have the survey extended to cover the whole present site area. ASWYAS have produced a WSI in respect of the remining part of the survey (attached). Please let me know if you have any comments on the WSI?

I know that previously you have not been able to accept links within emails, is this still the case? If not then the link below will take you to the original geophysics report should you wish to access it which is too big to attach:

Appendix EDP 1 4385_arb Report (FINAL).pdf

We will also be writing an up to date DBA for the site and I will forward you a WSI in relation to this next week at some point.

Kind regards,

Rob

Rob Skinner *BA (Hons), MA, ACIfA*Principal Archaeology and Heritage Consultant



The Environmental Dimension Partnership Ltd

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WSI for Geophysical Survey (ASWYAS, 2021)



Symmetry Park, Ardley, Oxfordshire

Geophysical Survey
Project Design

Prepared by: Alastair Trace

Archaeological Services WYAS

Nepshaw Lane South

Morley Leeds

West Yorkshire LS27 7JQ







Project Design for Geophysical Survey Land at Symmetry Park, Ardley, Oxfordshire

1. Introduction

- 1.1 This Project Design has been prepared by Archaeological Services WYAS (ASWYAS) for the Environmental Dimension Partnership Ltd (EDP) on behalf of db symmetry ltd (the Client) in advance of a magnetometer survey of land proposed for development at Ardley, Oxfordshire.
- 1.2 The scheme of work will be undertaken in accordance with the requirements of the National Planning Policy Framework (MHCLG 2019).
- 1.3 This document details a proposed programme of non-intrusive geophysical (magnetometer) survey to inform development proposals for a solar farm.
- 1.4 The Project Design was produced to the standards laid down in the European Archaeological Councils guideline publication EAC Guidelines for the Use of Geophysics in Archaeology (Schmidt et al. 2016) and the Chartered Institute for Archaeologists (ClfA) Standard and Guidance for Archaeological Geophysical Survey (ClfA 2020).

2. Site location and Description

2.1 The survey area comprises of two irregularly shaped parcels of land approximately 1km north east of Ardley, centred at SP 5555 2872 (see Figure 1). The overall survey area is approximately 30ha in size and is located either side of the B4100. The northern field is almost entirely constrained by agricultural land apart from the B4100 to the south. Whilst the southern field is constrained by the B4100 to the north, Cherwell Valley services to the south and agricultural land to the east and west. The site is flat and situated at approximately 120m above Ordnance Datum (aOD).

3. Geology and Soils

3.1 The underlying bedrock mainly comprises White limestone with Bladon Member and Forest Marble Formation – formed approximately 166 to 168 million years ago in the Jurassic Period. No superficial deposits are recorded (BGS 2021). The soils in this area are classified in the Aberford association, characterised as shallow, well-drained loams (Soil Survey of England and Wales 1983).

4. Archaeological Background

- 4.1 Preliminary information collated by EDP as part of a Desk-Based Assessment (Oakley, 2015) has confirmed that there is a possible 'banjo enclosure' located in the north of the current survey area (Identified in the Oxfordshire Historic Environment Record (HER 17456)). In addition there is extensive cropmark evidence in the wider landscape of further prehistoric activity, the nearest of which lie 0.5km to the north of the site and comprise complex of undated enclosures (HER 23340) and a possible Bronze Age round barrow (HER 4920) approximately 0.6km to the north east of the site.
- 4.2. Roman coins (HER 4747), first recorded in 1939, were collected approximately 0.7km to the north east of Site.
- 4.3 The HER records Baynard's Green as an open area associated with medieval tournaments and subsequently a race course (HER 4853), recorded 0.2km to the west of the Site. The record cites that it may have been a camping ground or meeting place. Given the temporary nature of the activity here, it seems unlikely that any below ground archaeological features would manifest from this activity and regardless. It is also unlikely this activity extended onto the Site.
- 4.4 These two records both relate to milestones (HER 4902 and 4836) recorded close to the course of the A43 to the north and southwest of the Site. These were recorded in 1976, and there is no information that would suggest they survived the recent dualling of the A43.
- 4.2 A geophysical survey (Harrison, 2015) was undertaken by ASWYAS in conjunction with the DBA. Although no definitive archaeological features were identified, the survey detected some possible 'boundary type features', in the eastern part of the site which may be associated with the 'banjo enclosure'. These may represent peripheral features and are well beyond the main enclosure itself or may equally represent late medieval or post-medieval land division or trackway. The survey also revealed evidence for past agricultural activity in the form of ridge and furrow, former field boundaries and post medieval extraction pits. No other anomalies of archaeological origin were identified within the Site.

5. Aims and Objectives

5.1 The aims and objectives of the programme of geophysical survey is to gather sufficient information to establish the presence/absence, character, extent, of any archaeological remains within the specific area and to inform further strategies should they be necessary.

The aims of the survey are to:

 to provide information about the nature and possible interpretation of any magnetic anomalies identified;

- to therefore determine the presence/absence and extent of any buried archaeological features;
- · to produce a comprehensive site archive and report.

6. Fieldwork Methodology

- 6.1 A towed geophysical (magnetometer) survey will be carried out across all of the area amenable for a magnetometer survey. The total area for survey will be approximately 30 hectares. In areas where a towed magnetometer is unsuitable, a handheld approach will be undertaken, after consultation with the client.
- 6.2 An eight channel SenSYS MX V3 system, containing eight FGM650 sensors will be towed across the areas, using an ATV or other suitable vehicle.
- 6.3 Data will be recorded onto a device, using a Carlson GNSS Smart antenna, for centimetre accuracy. These readings will be stored in the memory of the instrument and later downloaded for processing and interpretation. DLMGPS and MAGNETO software, alongside a bespoke in-house programme will be used to process and present the data.
- 6.4 If an area precludes the collection of data with a SenSYS MX V3, where appropriate a Bartington 601-2 will be used, collecting data at 0.25cm intervals along 1m traverses, within an established 30m x 30m grid system.
- 6.4 The geophysical survey will comply with guidelines outlined by English Heritage (David et al. 2008) and by the Chartered Institute for Archaeologists (ClfA 2018). All figures will be reproduced from Ordnance Survey mapping with the permission of the controller of Her Majesty's Stationery Office (Crown copyright).
- 6.5 On completion of the geophysical survey, a report will be produced containing all relevant information including:
 - i) Site code/project number; dates for fieldwork visits; grid references; location plan, and a plan showing the limits of the detailed study area.
 - ii) A non-technical summary of the reason, aims and main results of the assessment.
 - iii) An introduction to outline the circumstances leading to the commission of the report and any restrictions encountered.
 - iv) The aims and objectives of the study.
 - v) The methodology used.
 - vi) A summary and synthesis of the archaeological results in relation to the methods used. This shall be supported by a survey location plan (minimum scale 1:2500), a plot of raw data (preferred minimum scale 1:1000, greyscale format, and XY trace format as appropriate to the technique(s) used), a plot of enhanced data and one, or more, interpretative plots. Each plan/plot will have a bar scale and accurately oriented north sign.
 - vii) An assessment of the importance of sites and features within the study area against a background of national, regional or local importance.

- viii) References to all primary and secondary sources consulted.
- 6.6 The project will be archived in-house in accordance with recent good practice guidelines (http://guides.archaeologydataservice.ac.uk/g2gp/Geophysics_3). The data will be stored in an indexed archive and migrated to new formats when necessary.
- 6.7 If required, the archive will be deposited with the Archaeology Data Service (ADS).
- 6.8 A draft report will be issued digitally (in PDF or .doc format) to the Oxfordshire Planning Archaeologist for verification and assessment, with comments addressed within three days.
- 6.9 Following completion and submission of the final report to the client, and compiling of the archive, copies of the report (digitally and if needed a hard copy) will be sent to the relevant Historic Environment Record, local authority Planning Archaeologist and/or Conservation Officer. In addition, ASWYAS will make their work accessible to the wider research community by submitting digital data and copies of the report on line to OASIS, after an appropriate length of time.

7. Copyright, Confidentiality and Publicity

- 7.1 The copyright of any written, graphic or photographic record and reports produced as part of this project shall belong to the client, unless otherwise agreed, with ASWYAS being acknowledged as the originating body.
- 7.2 The circumstances under which the report or records can be used by other parties will be identified at the commencement of the project, as will the proposals for the distribution of the report. ASWYAS will respect any requirements regarding confidentiality, but will endeavour to emphasise the company's professional obligation to make the results of archaeological work known to the wider archaeological community within a reasonable time.

8. Health and Safety

- 8.1 All work will conform to the ASWYAS Health and Safety Policy (a copy of which can be supplied if requested), which makes particular reference to the FAME (Federation of Archaeological Managers and Employers) Health and Safety Manual and will be carried out according to the relevant Health and Safety Legislation. This includes, in particular, the following regulations:
 - Health and Safety at Work 1974
 - Construction (Design and Management) Regulations 2007
 - The Management of Health and Safety at Work Regulations 1999
 - Personal Protective Equipment at Work Regulations 1992
 - Provision and Use of Work Equipment Regulations 1998

- Manual Handling Operations Regulations 1992
- Workplace (Health, Safety and Welfare) Regulations 1992
- 8.2 In addition each project undergoes a 'Risk Assessment' which sets project specific Health and Safety requirements to which all members of staff are made aware of prior to on-site work commencing.
- 8.3 Health and Safety will take priority over archaeological matters. Necessary precautions will be taken with regard to protecting ASWYAS staff and the public.
- 8.4 Archaeological Services WYAS is a fully accredited member of the Contractors Health and Safety Assessment Scheme (CHAS).

9. Insurance

9.1 ASWYAS is covered by the insurance and indemnities of the City of Wakefield Metropolitan District Council. Insurance has been effected with: Zurich Municipal, PO Box 568, 1st Floor, 1 East Parade, Leeds, LS1 2UA (policy number QLA-03R896 0013). Any further enquiries should be directed to: City of Wakefield Metropolitan District Council, Corporate Services, Financial Services (Insurance, Room 403), County Hall, Bond Street, Wakefield WF1 2QW.

10. Quality

10.1 ASWYAS is an accredited ISO 9001:2015 organisation and a Registered Archaeological Organisation with the Chartered Institute for Archaeologists, operating to nationally agreed guidelines, processes and procedures. These are set within a framework that endeavours to carry out the required work and submit the final report in a manner that meets with our client's specific needs, providing quality assurance throughout the project and for the end product. These guidelines, processes and procedures are contained within a Quality Manual and all staff work in accordance with this manual.

11. Monitoring

11.1 A standard working day will involve driving to site, condition surveys of the survey area, survey area setting out and detailed earth resistance and/or magnetic survey recording. Constant updating of the survey work will be relayed back to the office by telephone.

Contacts

Manager: Jane Richardson 0113 535 0182
Geophysics manager: Emma Brunning 07796 996 450
Health and Safety Coordinator: David Williams 0113 535 0183

11.2 The quality of the geophysical survey works will be monitored through the report by the Oxfordshire Planning Archaeologist as set out in Section 6.8.

12. Staffing

12.1 Archaeological Services WYAS currently employs six dedicated geophysicists together with a further two staff with extensive field experience. Summary Curriculum Vitae for all the staff to be employed on the proposed project are detailed below together with their proposed role in the scheme.

Project Manager	Emma Brunning BSc MCIfA
Project Officer	Alastair Trace BSc MSc
Geophysicist	Jake Freeman BA
Geophysicist	Amy Chatterton BSc MA

Name:- Emma Brunning BSc MCIfA Current Position:- Geophysics Manager Proposed Role:- Geophysics Manager

Emma graduated in 2000 from the University of Bradford with a degree in Archaeology. In 2002 Emma began work as an archaeological geophysics assistant with GSB Prospection, working on hundreds of projects all over the UK. She worked herself up the ladder to become senior archaeological geophysicist supervising teams and writing projects. Emma was also involved with Channel 4's Time Team and became Survey Officer for the last 2 years of the programme. In 2004 Emma gained a Post Graduate Certificate in Landscape Archaeology through distance learning from the University of Leicester. Emma is CSCS certified, CRB checked and Emergency First Aid at Work trained.

Emma joined Archaeological Services WYAS in September 2015 and now manages all aspects of geophysical projects such as client liaison, report writing, diagram production and team management.

Name:- Alastair Trace BA (Hons) MSc Current Position:- Project Officer Proposed Role:- Geophysical Surveyor

Alastair joined Archaeological Services in September 2016, having graduated from the University of Leeds with an MSc in Structural Geology and Geophysics. The focus of his dissertation was the use of GPR survey over Grosmont priory in North Yorkshire. This complements his BSc in Geology and Archaeology from the University of Birmingham. He is CSCS certified, emergency first aid at work trained, has a full driving licence and has a LANTRA award in ATV training. Since being promoted to the position of project officer and has led a variety of small to large sized teams on a number of projects around the UK.

Name:- Jake Freeman BA (Hons)

Current Position:- Supervisor Level 2(Geophysics)

Proposed Role:- Geophysical Surveyor

Jake graduated from the University of York in 2014 with a BA in Archaeology. Post-graduation, Jake volunteered his services on community archaeological projects in South Yorkshire during the summer of 2015, assisting in both geophysical survey and excavation roles. Building upon his university and community experience, he began working for Headland Archaeology as a geophysics assistant in September 2015. Whilst working for Headland, Jake regularly performed a variety of archaeological prospection methods in both urban and agrarian contexts, such as use of Trimble GPS, magnetometry (individual operator and cart based systems), electrical resistivity, GPR, EM and ERT, including associated software packages such as Geoplot, Microsoft Excel and CAD. In addition to a broad range of survey skills, he has also worked on a variety of excavation projects across the country and has assisted with both environmental processing and osteology work in the lab.

Jake joined Archaeological Services WYAS in March 2017. He is CSCS certified, is emergency first aid at work trained and has a full driving licence.

Name: Amy Chatterton BSc (Hons), MA

Current Position: Supervisor Level 1 (Geophysics)

Proposed Role:- Geophysical Surveyor

Amy joined ASWYAS in September 2018 after graduating from the University of Sheffield with a BSc degree in Archaeology and an MA degree in Landscape Archaeology, where she learnt how to conduct magnetometry survey work. Amy has been working on geophysics projects since 2016 including work in partnership with Snowdonia National Park to study the changing landscape and character of the Dysynni Valley, Wales. As part of her Landscape degree Amy managed and supervised a geophysical survey in search of Towthorpe DMV at the National Trust's Belton House, Grantham. This project led to the discovery of the extensive field systems and water management course relating to the DMV.

Having previously worked as an excavator for Trent and Peak Amy has also worked on a number of excavations for ASWYAS and on volunteer digs for the National Trust and the University of Sheffield. These have included the excavations at Thornton Abbey, North Lincolnshire to uncover the mansion and chapel at the Monastic site. Her experience has provided her knowledge of magnetometry, resistivity, GPS, Geoplot 4.0 and data processing. Amy has a full UK driving licence, is emergency first aid at work trained and has a LANTRA award in ATV training.

12.2 Archaeological Services WYAS project personnel may be subject to change.

13. References

- BGS, 2021. www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html. British Geological Survey (viewed November 2021)
- ClfA, 2020. Standard and Guidance for archaeological geophysical survey.

 Chartered Institute for Archaeologists
- Heritage Gateway, 2021. www.pastscape.org.uk (viewed November 2021). Historic England
- MHCLG, 2019. *National Planning Policy Framework*. Ministry of Housing, Communities and Local Government
- Oakley, E., 2015. Symmetry park, Ardley. Archaeological and Heritage Assessment. EDP. Report No. H_EDP2355_04a
- Schmidt, A. *et al.* 2016. EAC Guidelines for the Use of Geophysics in Archaeology. European Archaeological Council
- SSEW, 1983. Soils of Northern England, Sheet 3. Soil Survey of Midlands and Western England
- Webb, A., 2015. *Junction 10, M40, Ardley, Oxfordshire*. Geophysical Survey. ASWYAS Report No. 2736

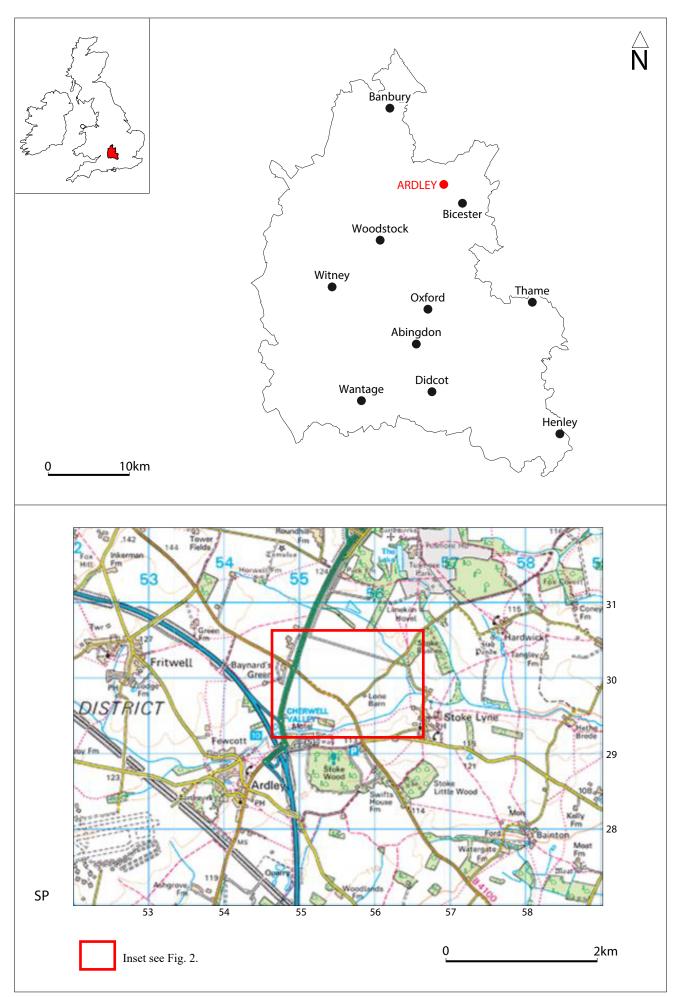
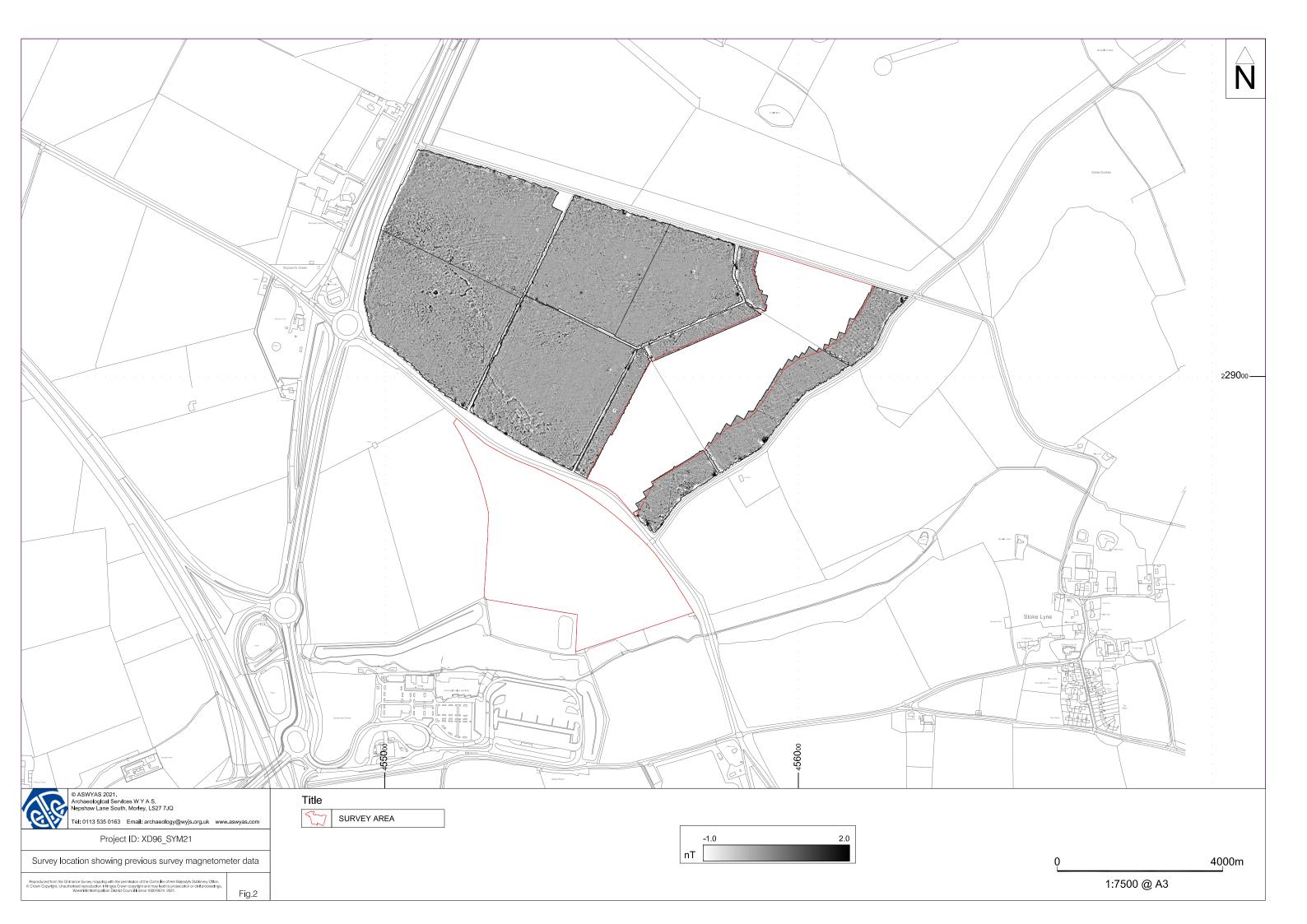


Fig. 1. Site location

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Symmetry Park,

Ardley,

Oxfordshire

Geophysical Survey

Risk Assessment

Prepared by: Alastair Trace

Archaeological Services WYAS

Nepshaw Lane South

Morley Leeds

West Yorkshire LS27 7JQ

W3W: loopholes.farmland.mysteries







PART 1: INITIAL RISKS AND REQUIREMENTS BEFORE SURVEY

Document Control

Version	Status	Author	Approved by	Issue date	Review date
1.0	Issue	A.Trace		09/11/2021	

Name	Staff grade	Signature	Date
Alastair Trace	Project Officer (Geophysics and Geomatics)		
Jake Freeman	L2 Geophysics Supervisor		
Amy Chatterton	L1 Geophysics Supervisor		
Jet Jansen	Archaeologist		
Claire Stephens	Geophysicist		

PART 1: INITIAL RISKS AND REQUIREMENTS BEFORE SURVEY

The Risk Assessment

This risk assessment describes the risks likely to be encountered during site works, accompanied by action to mitigate those risks. References are to the Archaeological Services WYAS Health and Safety Policy Document, a copy of which should be on site and which contains more detailed advice, or to HSE guidance documents. The risk assessment is in two parts; the first deals with site specific risks or unusual risks which have been discovered on site during a site visit prior to work starting or have become apparent during the site works, and gives specific preventative action to be undertaken by named staff to mitigate those risks. Part two gives contingent and preventative actions to mitigate risks common to most fieldwork projects.

Archaeological Services WYAS has a responsibility to provide you with a safe working environment and has provided you with appropriate personal protective equipment (PPE), and guidance in the form of the Health and Safety Policy. It is your responsibility to use the PPE, to follow the guidance contained in the Health and Safety Policy and this risk Assessment and to generally behave responsibly and not put yourself or your colleagues at risk. Health and safety considerations override all other considerations; it is your responsibility to alert your colleagues and your supervisor to any risks you may perceive to yourself, your colleagues, other sub-contractor on site, visitors or members of the public.

Read this risk assessment carefully and make sure you understand potential hazards on site. If you have any questions, speak to your Supervisor. This is not a static document. If any additional risks are identified then they need to be recorded in the Dynamic Risk Assessment table at the end of this document.

First Aiders / Appointed persons on site:

Name	Grade	Contact No.
Alastair Trace	Project Officer	07595 211631
Amy Chatterton	Geophysicist (L1 Supervisor)	07796 327998
Jake Freeman	Geophysicist (L2 Supervisor)	07562 439487

The Nearest A & E Department is at:

Horton General Hospital

Oxford Road Banbury Oxfordshire OX16 9AL

0300 3047777



Directions:

- Head south-west towards B4100
- Follow B4100 and A4260 to Hightown Rd in Banbury
- Turn right onto B4100
- At the roundabout, take the 2nd exit and stay on B4100
- Continue onto Roundtown
- Continue onto Banbury Rd/B4100
- Turn right onto Banbury Rd/A4260
- Turn right onto Hightown Rd and continue for 0.3 miles to Horton General Hospital (Turn left, Slight left, Turn left, Turn right, Turn left)

NOTE: Should anyone suffer a serious injury requiring urgent medical attention do not attempt to drive that person to the hospital, **phone 999 or 112** for an ambulance.

ASWYAS

0113 535 016

Risk	Current Action	Further Action	By whom
	COVID 19 Outbreak:	Any staff member who	All Staff
	Only undertake work if the surveyor feels well and is not showing any signs of COVID-19 (a high temperature, a new, continuous cough, a loss of, or a change to, your sense of smell or taste	feels ill after survey, with the symptoms of the virus must return home	
Danger to/from Public	Stay at home if you have been told to by NHS Trace and Track or if someone you live with has symptoms Maintain distance from colleagues and members of the public of at least 2m, wear a face covering in indoor settings and when you come into contact with people you do not normally meet Hand washing and other preventive measures MUST be adhered to, to prevent infection between surveyors and others Where possible only work from home, unless your employment prevents you from doing so Staff must wear gloves to prevent infection from person to equipment and back Surveyors must not share finger food Handwashing, or sanitization, has to be undertaken before, during and after survey. Equipment to be washed and/cleaned before and after survey and is the responsibility of the user Equipment is to be used by a single individual and not shared Breaks and lunches to be staggered and social distancing measures must be in place during such time	immediately, self-isolate for a minimum of ten days and get a test Any staff member that tests positive or develops symptoms must inform if they have been in close contact with colleagues	
	Surveyors are to ensure that they take plentiful supplies of liquid and food to site Copy of the CIEEM advice note to be included in the survey folder		
Site Access	Site only to be accessed on foot and from designated access points	Care must be taken while transporting equipment to site	Supervisor
Driving to and from site	Check-in with ASWYAS Project manager when arriving and when leaving site Ensure all drivers are appropriately licensed		All staff
Danger to/from Public	Take care when setting out survey areas with measuring tapes. No information to be divulged to the public, just remain polite and discuss technique		All Staff
Water course	Take care when crossing any water course. Do not cross if the water is high or during persistent rain. No lone working when surveying adjacent to any water course		All Staff

RISK INDEX

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DYNAMIC RISK ASSESSMENT	4.0

Haz No.	Significant Hazards Look only for hazards which you could reasonably expect to result in significant harm e.g. slips/trips, work at height, falling objects, vehicles, electricity etc.	People Affected List groups of people who may be at risk e.g. maintenance staff, contractors, cleaners, public etc.	Existing Controls List controls that are already in place to control the risk e.g. physical safeguards, training, personal protective equipment etc.	Decid level of is hig	vel of R e wheth risk ren h, medic low. kelihood	er the maining um or	Further Action Required List further action required to control significant risks. If there is a lot to do, make an action list.
	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
Adverse weather conditions	Slipping over in wet weather limited visibility in fog blizzard or torrential rain Lightning strike Risk of sun stroke or burning in very hot conditions	ASWYAS staff	Use PPE (especially waterproofs, boots and gloves) Use shelters (e.g. site cabin, vehicle) during prolonged rain; during hot weather wear long-sleeved shirts and hats, drink plenty of water and use sun screen			X	Immediately leave survey areas during thunder storms
Contaminated ground or water	Various types of illness or infection related to the contaminants	ASWYAS staff and members of the public	Where contact is unavoidable and an accepted risk, appropriate safety equipment is to be worn. Should any ill effects be noticed then work is to			X	See HSG66 Protection of workers and members of the public during the development of contaminated land (HSE Books)

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)		
			cease immediately Wash your hands prior to eating Carry cleaning equipment to wash boots and safety equipment to prevent cross contamination between fields and sites						
Ground surface conditions: uneven, soft and wet	Tripping, slipping and falling	ASWYAS staff	You should be aware of the risks associated with the particular ground conditions underfoot, avoid running, take care while walking and riding and wear appropriate and well-maintained footwear			X			

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)				
Ground surface conditions: concealed voids or water filled pits or sink holes	Falling	ASWYAS staff	Particularly in areas such as quarries always wear hi-visibility clothing and be in view of other personnel if having to work alone in areas, or cross areas of possible hazards Awareness of speed and ground conditions before survey starts			X	Site walkover before commencement of survey work				
Horseplay (running, throwing objects etc)	Direct injury may result or personnel may become distracted and injury may be caused indirectly	ASWYAS staff	Inappropriate behaviour will not be tolerated on site. Project Officers / Supervisors will enforce site discipline and you will be removed from site if you behave in a manner dangerous to			X					

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)		
			yourself or other staff No alcohol or other intoxicating substance to be permitted on site. Staff visibly intoxicated will not be permitted to work on site NO PASSENGER on						
			the ATV – only one person per ATV • Ensure that you understand the						
Inexperienced staff	Low appreciation of site dangers	ASWYAS staff	correct use of tools, have been given a H & S induction and have been issued with the ASWYAS H & S Policy document If you feel unsure about anything you are ask to do, raise it with your supervisor	X					

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
			 Staff shall be kept up to date with regular toolbox talks LANTRA certified staff only to operate ATV 				
Lone working	An exacerbation of an injury due to a lack of first aid or a delay in medical treatment	ASWYAS staff	 Ensure that your whereabouts are known at all times Ensure that if you are working alone, even for short periods that you have a mobile phone and/or walkietalkie Ensure that you inform either a colleague or a responsible person when you have arrived on site and when you have left site If applicable, e.g. quarry sites, 			X	HSE leaflet Working Alone Safely IND(G)73(L)

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)				
			ensure arrival and departures are recorded in the site log There will be NO lone working on ATV survey due to increased risk of injury								
Manual lifting	Back strain, or minor injury		Assess the load before attempting to pick it up and check the route; do not attempt to lift a load that is too heavy for you to lift comfortably Lift with a straight back and bended knees, do not twist Use a trolley or ask for assistance if possible Where possible tail lift will be			X					

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)		
			used to load and unload ATV Where possible winch will be used to load and unload ATV on secured ramps						
Surveying equipment	Risk of injury from tripping, slipping and falling		 You should be aware of the risks associated with the particular ground conditions, especially when surveying Wear appropriate and well-maintained footwear for the specific survey methodology Take care walking and riding and regularly look up from the ground in order to reassess potential risks 			X			

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)		
			 See also Lone Working 						
General fieldwork	Minor Injuries Cuts, bruising, strains etc		Ensure that you have a current tetanus vaccination, wear gloves, knee pads and safety glasses as appropriate, keep work areas as clean and as tidy as possible (see also manual lifting)			х			
Moving about on site	Risk of impact with vehicles, machinery or personnel		 Give due care and attention to vehicles and machinery Where appropriate hivisibility PPE 			X			
Parking	Parked vehicles can obscure visual contact between other vehicle drivers and personnel		Ensure that you have not parked in a manner obstructive to vehicular and			X			

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
	on site causing impact between vehicles, machinery or personnel		personnel access or movement. If parking on the highway ensure that you have not parked dangerously e.g. on bends or obscure the road for other users				
Prolonged use of levels or surveying equipment	Back strain Dehydration		 Ensure that you set the equipment to a comfortable height for the user A suitable amount of water should be available to all staff Suitable breaks will be taken to reduce risk of strain or injury 			X	
Site access and egress (compound or working width)	Risk of vehicular impact with other vehicles, machinery or personnel		 Keep your speed low (e.g. under 10 mph) 			X	

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
	Mud causing skid hazards, or impeding site vehicle suspension, breaking or steering and may pose a risk to traffic or pedestrians		 Take care and pay attention to other vehicles, machinery and personnel Ensure that the road is kept clear of mud at all times and that wheels and underside of site vehicles are kept clean, especially after exiting the site 				
Standing water	Weil's disease (Leptospirosis)		Read the dangers and symptoms on card OHS 887(5/90)P Use PPE (especially waterproof boots and gloves) Wash your hands prior to eating			X	

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
COVID 19 - Illiness	Symptoms, self- isolation and testing	ASWYAS / public	 If you experience any symptoms of COVID-19 (a high temperature, a new, continuous cough or a loss or change to your sense of smell or taste get a PCR test and stay at home and do not come to work. If anyone in your household or support bubble shows symptoms of COVID-19 or has tested positive you must self-isolate If you have been told by NHS Test and Trace or the COVID-19 app to self-isolate you must stay at home 		X		 If you test positive, self-isolation starts on the day your symptoms started (or the day you had the test if you do not have symptoms) for the next 10 days If you get symptoms while you're self-isolating, the 10 days restarts from the day after your symptoms started You can stop self-isolating after 10 days if you do not have any symptoms or you just have a cough or changes to your sense of smell or taste If someone you live with tests positive or if NHS Test and Trace contacts you, you must self-isolate for 10 days from the day their symptoms started https://www.nhs.uk/conditions/coronavirus-covid-19/self-isolation-and-treatment/howlong-to-self-isolate/ for full details Get a test as soon as possible if you have any symptoms of coronavirus, this can be booked through the gov.uk website https://www.gov.uk/get-coronavirus-test Inform your manager or supervisor as soon as symptoms develop or if you or someone you live with test positive

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
			If you have recently arrived to the UK you must also self-isolate If you have been told you have been in close contact with a person who has tested positive or who has symptoms you must take extra care in practising social distancing and good hygiene. You do not need to self-isolate unless you are contacted by NHS Test and Trace				 If you develop symptoms whilst at work you should inform your manager or supervisor. Avoid touching anything and return home immediately Let your manager know if you have been in close contact with colleagues over the last 48hrs from when symptoms/positive test started
COVID 19 - Travel	Movement restrictions and travel	ASWYAS / Visitors and public	Cover your mouth and nose with a tissue or		X		Reduce the amount of site visits made by consultants, clients and county archaeologists. Where this does have to happen, please refrain from handshakes

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
			your sleeve (not your hands) when you cough or sneeze Put used tissues in the bin immediately and wash your hands afterwards No Travel on public transport Vehicles should be cleaned before and after use			and stand at a distance of at lewear a mask Talk to project managers and any aspect of this cannot be not also aspect of this cannot be not arisks that need to be dealt with added to this RAMS Clean door handles, steering to buttons, gear stick and interior buttons, gear stick and interior on. Please see Jane Richards Williams to obtain this Where possible take your own This has the advantage of take your door to site and cutting of with other people and trips to Additional fuel costs will be considered.	
COVID-19 - Welfare	Welfare	ASWYAS staff	 Welfare will be provided Staff numbers will be reduced on all sites 		X		We will ask for you to stagger your breaks so that only one person is in the cabin at any one time unless the 2m rule can be maintained at all times Where possible perhaps consider breaks in your own vehicle

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
		(OTEL Z)	 Enforcement of hand washing. Wash your hands with soap and water often – do this for at least 20 seconds Washing of hands before entering a vehicle after arriving on site and after using the toilet Washing of hands as entering welfare cabin always wash your hands when you get home or to the hotel Use hand sanitiser gel (minimum 60% alcohol based) if soap and water are not available 				

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
			Ensure stocks of cleaner are present within the cabin for surface cleaning Welfare cleaning first thing in the morning, and after each use Surfaces, toilets, door handles, light switches, generator buttons, kettles, microwaves buttons and handles need to be included Staff to have own cups and cutlery which has to be taken home and washed				

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
			Do not share food (e.g. crisps biscuits)				
COVID 19 – site work	Site Work	ASWYAS staff	Equipment such as tools, pens, pencils, clipboards and PPE must be allocated and not shared Cameras, survey kit must be cleaned after each use or allocated to one person Paper archive allocated to one person. Folders to be cleaned after use Do not share mobile phones, laptops etc Laptop to be issues to a single person and one		X		 2m rule: All Employees must keep 2m away at all times. This includes compound cabins and site Surveyors would be responsible for setting out individual areas, survey and collection of canes. Do not pass tools to colleagues stay 2m away. Where you can look at the distance stay further away to reduce any risk. Whatever distance you are always just take an extra step back First Aid boxes require a facemask (FFP3) to allow application the of first aid Consult the 'Social Distancing for Archaeology Toolkit' https://sodatoolkit.info/ for more information about safe distancing and hygiene practising whilst working on site

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	(STEP 1)	(STEP 2)	(STEP 3)	HIGH	MED	LOW	(STEP 4)
			person downloads data Magnetometer to be placed and left for designated person to download Site equipment will be issued to each surveyor				

DYNAMIC RISK ASSESSMENT	Any on-site risks which have not been identified in advance are to be recorded here and discussed BEFORE any survey is to commence.						
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Email response from Lead Archaeologist, OCC 9/12/2021

From: Oram, Richard - Communities

To: Rob Skinner

Subject: RE: edp2355 - Junction 10 M40 Ardlev

Date: 09 December 2021 08:59:02

Attachments: image001.png

image002.png image003.png image004.png

Rob.

We will be requiring an archaeological evaluation on this site prior to the determination of any planning application and this will come in the form of a formal objection to the application.

We will also need to see a draft copy of the geophysical survey report for our comments before it is submitted for planning purposes as clearly set out in the agreed WSI. The survey work will need to be undertaken in line with this agreed WSI.

Regards

Richard

Richard Oram Lead Archaeologist

Archaeology County Hall **New Road** Oxford **OX1 1ND**

Tel 07917 001026



Save money and paper - do you really need to print this email?

From: Rob Skinner <robs@edp-uk.co.uk>

Sent: 06 December 2021 17:37

To: Oram, Richard - Communities < Richard. Oram@Oxfordshire.gov.uk>

Subject: RE: edp2355 - Junction 10 M40 Ardley

CAUTION: This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Thank you Richard,

The survey is ongoing this current week and I will share with you the initial results when they are in hand and the draft report. That 'banjo enclosure' site could prove interesting.

By way of a heads-up on the client's submission. Basically, Tritax Symmetry are keen to get an

outline application submitted in short order (prior to the Christmas break) so as it can be considered alongside the recently submitted Albion Land applications (Refs. 21/03267/OUT and 21/03268/OUT) a short distance to the south-west, being as both their and Albion's proposals are for similar development provision. Due to the timescales dictated by the Albion Land applications, we have had to rush to get a DBA and geophysics completed along with an ES chapter and, as such, will have to submit the application with trial trenching having not yet been completed. In this respect, the ES will go in with the geophysics report and DBA as baseline information and with the ES making an informed assessment of the site's archaeological potential and its likely significance from these sources, caveated as subject to revision following the forthcoming trial trenching.

We understand that from your point of view this is not ideal, but Tritax want you to be aware that under normal circumstances they would have looked to engage earlier and complete all archaeological evaluation in advance of the submission and, that there is every intention to carry out trial trenching in advance of determination. We are presently approaching contractors for their availability in the new year and will consult with you fully once the geophysics results are in hand on the scope for trenching and, consequently agree a WSI well in advance of carrying out any work.

Please let me know if you wish to discuss this programme any further.

Kind regards,

Rob

Rob Skinner

Principal Archaeology and Heritage Consultant

m 07557 021709 w www.edp-uk.co.uk

From: Oram, Richard - Communities < Richard.Oram@Oxfordshire.gov.uk >

Sent: 03 December 2021 09:10

To: Rob Skinner < robs@edp-uk.co.uk >

Subject: RE: edp2355 - Junction 10 M40 Ardley

Rob,

I can confirm that this WSI is now acceptable.

Regards

Richard

Richard Oram Lead Archaeologist Archaeology County Hall **New Road** Oxford **OX1 1ND**

Tel 07917 001026

A Save money and paper - do you really need to print this email?

From: Rob Skinner < robs@edp-uk.co.uk>

Sent: 02 December 2021 09:25

To: Oram, Richard - Communities < <u>Richard.Oram@Oxfordshire.gov.uk</u>>

Subject: RE: edp2355 - Junction 10 M40 Ardley

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Dear Richard.

Thanks you for your comments, please find attached an updated version of the WSI. Please can you confirm if this is now able to be approved?

Kind regards,

Rob

Rob Skinner

Principal Archaeology and Heritage Consultant

m 07557 021709 w www.edp-uk.co.uk

From: Oram, Richard - Communities < <u>Richard.Oram@Oxfordshire.gov.uk</u>>

Sent: 25 November 2021 14:35

To: Rob Skinner < robs@edp-uk.co.uk>

Subject: RE: edp2355 - Junction 10 M40 Ardley

Rob.

We did have the earlier geophysical survey report (EOX 6619).

There will need to be some changes to this WSI before we can agree it.

4.1 There is certainly cropmarks of a possible banjo enclosure (PRN 17456) visible on aerial photographs at this location as included on the HER (also visible on Google Earth). This area is not in the northern portion of the site and was

however excluded from the earlier geophysical survey and so is not the same site highlighted from this survey. This area is included in the areas proposed within this WSI and so it would be useful to note this in the WSI.

6.5 xy trace plots will need to be included within the report along with the greyscale and interpretation plans.

The report should however not include recommendations for the treatment of any remains or any further archaeological work that will be required (viii).

11.1 whilst we would not physically monitor the evaluation we will need to monitor the quality of the work through the report as set out in CIfA standards and so this should be included in the monitoring section of the WSI.

As a requirements of this it is essential that we are sent a draft copy of the report for our comments before a final version is produced or submitted for planning as set out in 6.8.

Regards

Richard

Richard Oram Lead Archaeologist

Archaeology County Hall **New Road** Oxford **OX1 1ND**

Tel 07917 001026

A Save money and paper - do you really need to print this email?

From: Rob Skinner < robs@edp-uk.co.uk>

Sent: 12 November 2021 17:27

To: Oram, Richard - Communities < <u>Richard.Oram@Oxfordshire.gov.uk</u>>

Subject: edp2355 - Junction 10 M40 Ardley

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Dear Richard.

I'm not sure if you have been consulted on this previously (possibly back in 2015?) but my client are looking to submit an application to develop a site close to junction 10 of the A40 at Ardley, Oxfordshire. Part of the site was subject to geophysics back in 2015 and we are under an assumption that you would be looking to have the survey extended to cover the whole present

site area. ASWYAS have produced a WSI in respect of the remining part of the survey (attached). Please let me know if you have any comments on the WSI?

I know that previously you have not been able to accept links within emails, is this still the case? If not then the link below will take you to the original geophysics report should you wish to access it which is too big to attach:

Appendix EDP 1 4385 arb Report (FINAL).pdf

We will also be writing an up to date DBA for the site and I will forward you a WSI in relation to this next week at some point.

Kind regards,

Rob

Rob Skinner *BA (Hons), MA, ACIfA*Principal Archaeology and Heritage Consultant



The Environmental Dimension Partnership LtdFirst Floor, The Bonded Warehouse,
Atlantic Wharf,
Cardiff CF10 4HF

m 07557 021709 w www.edp-uk.co.uk





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Setting Assessment:

Email response from Conservation Officer, CDC 10/12/2021

From: Emma Harrison
To: Rob Skinner

Subject: RE: edp2355 - Junction 10 M40 Ardley

Date: 10 December 2021 17:41:44

Attachments: <u>image001.png</u>

image002.png image003.png

Dear Rob

Apologies for the delay in my reply. I have been passed this enquiry from my colleague Joyce.

The approach you outline below appears to be sensible, however this is not a formal response and this would be provided if a Scoping opinion is submitted to CDC. I can not find any reference to this on the system at the current time.

Please do not hesitate to contact me if I can be of further assistance

Kind Regards

Emma Harrison
Conservation Officer
Planning Policy and Conservation
Environment and Place
Cherwell District Council
Direct Dial: 01295 221846

emma.harrison@cherwell-DC.gov.uk

www.cherwell.gov.uk

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Coronavirus (COVID-19): The Planning and Development services have been set up to work remotely. Customers are asked to contact the Conservation team at design.conservation@cherwell-dc.gov.uk or to use the Council's customer contact form at Contact Us. For the latest information on Planning and Development please visit www.cherwell-dc.gov.uk.

From: Rob Skinner < robs@edp-uk.co.uk>

Sent: 26 November 2021 09:56

To: Joyce Christie < <u>Joyce.Christie@Cherwell-DC.gov.uk</u>>

Subject: edp2355 - Junction 10 M40 Ardley

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Dear Joyce,

I am writing to consult with you regarding the scope of a heritage assessment for another site in Cherwell District, this time on land adjacent to Junction 10 of the M40 at Ardley. The attached plan shows the site area with designated assets out to 2km highlighted.

As for the site at Junction 9 our approach would be to assess both designated and non-designated assets up to 2km from the site boundary inclusive of all listed buildings and conservation area.

Please could you let me know if you would also endorse this approach for this site, or if you have any comments?

Kind regards,

Rob

Rob Skinner *BA (Hons), MA, ACIfA*Principal Archaeology and Heritage Consultant



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Email response from Historic England, 14/12/2021

From: Wilkinson, David
To: Rob Skinner

Subject: RE: edp2355 - Junction 10 M40 Ardley

Date: 14 December 2021 16:09:37

Attachments: image001.png

image002.png image003.png

Dear Rob,

Thank you for requesting Historic England's advice on this proposal, specifically on the approach you are proposing for designated assets.

In general I support the approach you are taking and my only caveat would be that as this is a large development, with structures over 20 m high, there could be heritage assets which are more than 2km away from the development but whose setting could be impacted. I would advise that this is considered in your assessment.

I do not have further comments at this stage but Historic England will of course comment in detail, as necessary, on the planning application,

Yours sincerely,

David Wilkinson

David Wilkinson, BA, MLitt, MCIfA Inspector of Ancient Monuments, Berkshire, Buckinghamshire, Oxfordshire. London and South East Regions Group

Please note that my normal working days are Tuesday, Wednesday and Thursday

Historic England

Floor 4, The Atrium, Cannon Bridge House, 25 Dowgate Hill, London, EC4R 2YA

Mobile: 07785 631175

www.historicengland.org.uk www.helm.org.uk

We have launched four new, paid-for Enhanced Advisory Services, providing enhancements to our existing free planning and listing services. For more information on the new Enhanced Advisory Services as well as our free services go to our website: www.HistoricEngland.org.uk/EAS

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London EC4R 2YA

We will retain our strong focus on the local delivery of our services.

All email addresses and mobile phone numbers remain unchanged, including our enotification addresses for planning consultations.



Work with us to champion heritage and improve lives. Read our Future Strategy and get involved at historicengland.org.uk/strategy.

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From: Rob Skinner <robs@edp-uk.co.uk>

Sent: 26 November 2021 09:40

To: Wilkinson, David < David. Wilkinson@HistoricEngland.org.uk>

Subject: edp2355 - Junction 10 M40 Ardley

THIS IS AN EXTERNAL EMAIL: do not click any links or open any attachments unless you trust the sender and were expecting the content to be sent to you Dear David.

I am writing to consult with you on another site in Cherwell District for the same client, this time on land adjacent to Junction 10 of the M40 at Ardley. The attached plan show the site area with designated assets out to 2km highlighted.

As for the site at Junction 9 our approach would be to assess assets up to 2km from the site boundary inclusive of all listed building and scheduled monuments.

Please could you let me know if HE would also endorse this approach for this site, or if you have any comments?

171 1		.1.
Kina	regard	JS.

Rob

Principal Archaeology and Heritage Consultant



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First Floor, The Bonded Warehouse, Atlantic Wharf, Cardiff CF10 4HF

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