

Archaeological Watching Brief Report

Ref: 100510.01 November 2013





### **Archaeological Watching Brief Report**

#### Prepared for:

UK Power Networks Services Allenby
Project Office
Rear of Parsons House
Ordnance Road,
Aldershot
GU11 2AE

#### Prepared by:

Wessex Archaeology
Portway House
Old Sarum Park
Salisbury
Wiltshire
SP4 6EB

www.wessexarch.co.uk

November 2013

100510.01



#### **Quality Assurance**

ProjectCode	100510	Accession Code		Client Ref.	
Planning Application Ref.	S/12/0378/FULL	Ordnance Survey (OS) national grid reference (NGR)	419315 143775	5	

Version	Status*	Prepared by	Checked and Approved By	Approver's Signature	Date
v01	F	МН	SF-	A. D. Croslatt	19/11/13
File:	X:\PRO	JECTS\100510\Rep	ort\100510_final		
File:					

<sup>\*</sup> I = Internal Draft; E = External Draft; F = Final

#### **DISCLAIMER**

THE MATERIAL CONTAINED IN THIS REPORT WAS DESIGNED AS AN INTEGRAL PART OF A REPORT TO AN INDIVIDUAL CLIENT AND WAS PREPARED SOLELY FOR THE BENEFIT OF THAT CLIENT. THE MATERIAL CONTAINED IN THIS REPORT DOES NOT NECESSARILY STAND ON ITS OWN AND IS NOT INTENDED TO NOR SHOULD IT BE RELIED UPON BY ANY THIRD PARTY. TO THE FULLEST EXTENT PERMITTED BY LAW WESSEX ARCHAEOLOGY WILL NOT BE LIABLE BY REASON OF BREACH OF CONTRACT NEGLIGENCE OR OTHERWISE FOR ANY LOSS OR DAMAGE (WHETHER DIRECT INDIRECT OR CONSEQUENTIAL) OCCASIONED TO ANY PERSON ACTING OR OMITTING TO ACT OR REFRAINING FROM ACTING IN RELIANCE UPON THE MATERIAL CONTAINED IN THIS REPORT ARISING FROM OR CONNECTED WITH ANY ERROR OR OMISSION IN THE MATERIAL CONTAINED IN THE REPORT. LOSS OR DAMAGE AS REFERRED TO ABOVE SHALL BE DEEMED TO INCLUDE, BUT IS NOT LIMITED TO, ANY LOSS OF PROFITS OR ANTICIPATED PROFITS DAMAGE TO REPUTATION OR GOODWILL LOSS OF BUSINESS OR ANTICIPATED BUSINESS DAMAGES COSTS EXPENSES INCURRED OR PAYABLE TO ANY THIRD PARTY (IN ALL CASES WHETHER DIRECT INDIRECT OR CONSEQUENTIAL) OR ANY OTHER DIRECT INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE.



# **Archaeological Watching Brief Report**

#### **Contents**

	aryvledgementsvl	
ACKITOV	weagements	IV
1	INTRODUCTION	5
1.1	Project background	5
1.2	The Site	5
2	ARCHAEOLOGICAL BACKGROUND	6
2.1	Archaeological Context	6
3	METHODOLOGY	6
3.1	Aims and objectives	6
3.2	Fieldwork methodology	6
3.3	Health and Safety	7
4	ARCHAEOLOGICAL RESULTS	7
4.1	Introduction	7
4.2	Stratigraphic data	7
5	ARTEFACTUAL AND ENVIRONMENTAL EVIDENCE	7
5.1	Finds	7
5.2	Environmental	7
6	DISCUSSION	7
6.1	Interpretation	7
6.2	Significance	8
7	STORAGE AND CURATION	8
7.1	Museum	8
7.2	Archive	8
7.3	Copyright	8
7.4	Security Copy	9
8	REFERENCES	9
8.1	Bibliography	9
	IDICES	
Append	dix 1: Table of Trench Descriptions	10



Appendix 2:	OASIS form	10
	OASIS ID - wessexar1-164528	
Figures		
	Site location and selected photos	

# Plates

Plate 1: Switch Room excavation complete, viewed from the south-east

Plate 2: Brick exposed in base of Switch Room excavations

Plate 3: Transformer Room excavations (east end) complete, viewed from the south-west.

Buried topsoil visible in sondage

Plate 4: Access Road trial trench, viewed from the north-west



### **Archaeological Watching Brief Report**

#### Summary

Wessex Archaeology (WA) was commissioned by Utility Consulting (the Consultant), on behalf of UK Power Networks (the Client), to undertake an archaeological watching brief during development at Bulford Barracks, Bulford, Salisbury centred on National Grid Reference (NGR) 419315, 143775.

Planning consent (S/12/0378/FULL) has been granted for the removal of an existing substation and erection of a replacement electricity substation by Wiltshire Council on condition (Condition 3) that a programme of archaeological work was undertaken. The Assistant County Archaeologist confirmed the work should comprise an archaeological watching brief during the initial excavations to record anything of archaeological interest.

The watching brief was maintained during excavation of basements and an access road for the electricity substation during July 2013. Observations revealed c.1.65m of made ground deposits formed during the earlier construction of a deeply terraced sports field, the lower c.0.15m of which remained undisturbed beneath the base of the construction. No significant archaeological remains or pre-modern formation were revealed and no artefacts were recovered during the excavations.



# **Archaeological Watching Brief Report**

#### **Acknowledgements**

This project was commissioned by Utility Consulting (the Consultant), on behalf of UK Power Networks (the Client), and Wessex Archaeology would like to thank Patrick Portch in this regard. Wessex Archaeology would also like to thank Clare King of the Wiltshire County Archaeological Service for her advice during the project.

The fieldwork was carried out by Mike Heaton who also compiled this report. The project was managed by Sue Farr.



### **Archaeological Watching Brief Report**

#### 1 INTRODUCTION

### 1.1 Project background

- 1.1.1 Wessex Archaeology was commissioned by Utility Consulting (the Consultant), on behalf of UK Power Networks (the Client), to undertake an archaeological watching brief during development at Bulford Camp, Bulford, Salisbury centred on National Grid Reference (NGR) 419315, 143775 (hereafter 'the Site') (Figure 1).
- 1.1.2 Planning consent (S/12/0378/FULL) was granted by Wiltshire Council for the removal of an existing substation and erection of a replacement electricity substation on condition that a programme of archaeological work was undertaken.
- 1.1.3 A Written Scheme of Investigation (WA 2013) was submitted to and approved by the Assistant County Archaeologist at Wiltshire Council. The WSI described the Site, its situation and status, a summary of the Site's archaeological and historical context, and a specification of the archaeological works, details of which are not repeated here other than in brief summary.

#### 1.2 The Site

- 1.2.1 The civil parish of Bulford straddles the eastern slopes of the valley of the River Avon within the chalk *massif* of Salisbury Plain, approximately 14km north of Salisbury in southern Wiltshire. It is a moderately dissected landscape of chalk downland plateau and dry valleys, cut by the meandering channel of the Avon and its short eastern tributary the Nine Mile River. The underlying geology comprises Cretaceous Upper Chalk, which occurs as solid bedrock and soliflucted 'coombe rock', supporting shallow acidic argillaceous soils typically less than 300mm thick, except at the base of the deeper valleys.
- 1.2.2 Bulford Camp is situated in the middle of the parish, occupying the greater part of it, approximately 1km east of the village. It is a broadly rectangular installation of mixed building types and open spaces, extending over an area of *c*. 2km² on a broad terrace overlooking the Nine Mile River. The substation was constructed in the north-eastern quadrant of the camp, at the north edge of a deeply terraced sports field overlooking a belt of scrub woodland known as Sling Plantation. The sports field occupied the base of a deep 'cut and fill' terrace, the northern edge of which stands *c*. 5m above the natural ground level in Sling Terrace and adjoining hardstandings.
- 1.2.3 Groundwork comprised the excavation of two 2m deep basements within a 36m x 25m formation terrace centred on NGR 419315, 143775, with a steeply inclined access road extending north-westwards for approximately 21m down to an existing paved hardstanding.



#### 2 ARCHAEOLOGICAL BACKGROUND

#### 2.1 Archaeological Context

- 2.1.1 Salisbury Plain is an area of outstanding archaeological survival in which the material remains of late prehistoric, Romano-British and medieval activity survive in concentrations almost unequalled in Britain, together with components of a pre-Enclosure agricultural landscape preserved by the Army's occupation and use of it. Within the immediate vicinity of Bulford Camp there are Neolithic and Bronze Age barrows at approximately 200m intervals along all the hilltops, together with linear earthworks that form part of a Bronze Age territorial system extending outwards from Sidbury Hill, c. 8km north-east of Bulford. Recent archaeological surveys (McOmish et al 2002) have demonstrated that most of the Avon valley parishes have Roman villas near to the river and native British settlements on the summit of the downs at the other end.
- 2.1.2 Within the camp itself there are barrows at Rawkinson Road and along Tidworth Road and Sheepbridge Road, and Bronze Age pottery and worked flint have been recovered within the camp itself. The Army's recurrent use of Salisbury Plain commenced in *c*. 1797 and installation of permanent infrastructure commenced shortly after 1897 when the then War Department commenced land acquisition. The camp itself was established *c*. 1898 (Crowley 1995) and acquired its first permanent structures *c*. 1910, growing continuously throughout the 20<sup>th</sup> century through a cyclic process of redevelopment and expansion in response to the needs of the Army and its families.
- 2.1.3 The archaeological character of the camp is therefore complex. It comprises the superimposed remains of prehistoric, Roman and medieval activity, overlain and in places disturbed by military activity of late 18<sup>th</sup> 20<sup>th</sup> century date that is archaeologically significant in its own right. Such remains are manifest as pockets of culturally enhanced soils and disturbed ground within the otherwise solid bedrock chalk and 'coombe rock', with the later deposits often characterised by concentrations of coal cinders and machinemade building materials.

#### 3 METHODOLOGY

#### 3.1 Aims and objectives

- 3.1.1 The aims of the archaeological watching brief were to:
  - determine the presence or absence of archaeological remains, and should remains be present, to ensure their preservation by record to the highest possible standard;
  - determine or confirm the approximate date or date range of the remains, by means of artefactual or other evidence;
  - determine or confirm the approximate extent of the remains;
  - determine the condition and state of preservation of the remains; and
  - prepare a report on the results of the watching brief

#### 3.2 Fieldwork methodology

3.2.1 All works were undertaken in accordance with the methodology set out within the WSI (WA 2013). All fieldwork was conducted in accordance with the guidance and standards outlined in the Institute for Archaeologists' Standard and Guidance for Archaeological Watching Briefs (IfA 2008). Any archaeological deposits were recorded using Wessex Archaeology's pro forma record sheets with a unique numbering system for individual



- contexts. Archaeological features and deposits were hand-drawn at either 1:10 or 1:20 as appropriate. Monitored works were referenced to OS mapping.
- 3.2.2 A full photographic record was compiled using digital images. The record illustrated both the detail and the general context of the principal features and the Site as a whole. Digital images have been subject to a managed quality control and curation process which has embedded appropriate metadata within the image and ensures the long term accessibility of the image set.
- 3.2.3 A unique site code **100510** was allocated to the Site, and was used on all records.

#### 3.3 Health and Safety

- 3.3.1 Health and Safety considerations were of paramount importance in conducting all fieldwork. Safe working practices will override archaeological considerations at all times.
- 3.3.2 All work was carried out in accordance with the *Health and Safety at Work etc. Act* 1974 and the *Management of Health and Safety Regulations* 1992, and all other relevant Health and Safety legislation, regulations and codes of practice in force at the time.

#### 4 ARCHAEOLOGICAL RESULTS

#### 4.1 Introduction

4.1.1 The following summary details the results of the watching brief.

#### 4.2 Stratigraphic data

- 4.2.1 All excavations revealed a consistent stratigraphic sequence consisting of a shallow (0.3m) greyish brown humic 'A' horizon topsoil containing large quantities of modern detritus. Approximately 1.2m of compacted chalk rubble lay in steeply inclined 'tip lines' below the topsoil and contained moderate quantities of hand-made brick, coal clinker and redeposited soil, that extended to the north-western end of the access road. A 0.15m thick buried, yellowish brown silty clay loam 'A' horizon topsoil was recorded at c. 1.5m below current ground level in hand-dug sondages beneath the base of the basements. Clean white bedrock chalk was noted at 1.65m below current ground level.
- 4.2.2 No archaeological remains of pre-modern formation were revealed.

#### 5 ARTEFACTUAL AND ENVIRONMENTAL EVIDENCE

#### 5.1 Finds

5.1.1 No pre-modern artefacts were observed.

#### 5.2 Environmental

5.2.1 No visible forms of palaeoenvironmental material were revealed and no soil samples were retained.

#### 6 DISCUSSION

#### 6.1 Interpretation

6.1.1 The soil sequence revealed is of wholly man-made formation and indicates that the Site has been comprehensively disturbed by the 'cut and fill' construction of the sports fields in



which it is situated, at least 150mm of which lies undisturbed beneath the base of the substation construction.

- 6.1.2 The uppermost topsoil is too friable to be a naturally deposited soil, and lacks the reddish brown 'clay with flint' 'B' horizon subsoil that characterises all undisturbed natural soils on the chalk downlands; the chalk rubble is of wholly modern formation, in all likelihood created by bulldozer during the excavation of the 'cut and fill' terrace, and is too extensive to be the fill of for instance WWI practice trenches or shelters; and the lower 'buried' soil, though of the correct yellowish brown colour and compact texture for a chalkland rendzina, lacks the characteristic subsoil, indicating that it had been heavily modified prior to construction of the sports field.
- 6.1.3 Together, these indicate that the Site had been modified prior to construction of the sports field, probably by agriculture but possibly also by military earthworks, and was then buried beneath *c*. 1500mm of chalk rubble excavated by bulldozer from the southern end of the sports field. The natural ground level lies *c*. 1.65m below current ground level and remains essentially undisturbed by the construction.

#### 6.2 Significance

6.2.1 The restricted spatial and vertical extent of the excavations undertaken limits the significance of the observations made. The deposits affected by construction are all of wholly modern formation, with 'natural' strata lying undisturbed c. 150mm – 200mm below the base of the excavations. Whilst the work has not deleteriously affected significant archaeological remains, the survival of such remains beneath the Site cannot be discounted on the basis of the evidence recovered here.

#### 7 STORAGE AND CURATION

#### 7.1 Museum

7.1.1 The archive is currently held at Wessex Archaeology's Salisbury office under the site code **100510**. In due course it will be deposited with Salisbury and South Wiltshire Museum.

#### 7.2 Archive

- 7.2.1 On completion of the report a cross-referenced and internally consistent archive will be produced. The primary archive, including copies of all photographs, would normally be deposited with the local museum no later than six months after completion of the work.
- 7.2.2 The completed project archive will be prepared in accordance with the guidelines outlined in MoRPHE (English Heritage 2006) and in accordance with the *Guidelines for the preparation of excavation archives for long term storage* (UKIC 1990).
- 7.2.3 An OASIS online record <a href="http://ads.ahds.ac.uk/projects/oasis/">http://ads.ahds.ac.uk/projects/oasis/</a> has been initiated and key fields completed on Details, Location and Creators Forms. All appropriate parts of the OASIS online form will be completed for submission to the HER. This will include an uploaded .pdf version of the entire report (a paper copy will also be included with the archive).

#### 7.3 Copyright

7.3.1 This report may contain material that is non-Wessex Archaeology copyright (e.g. Ordnance Survey, British Geological Survey), or the intellectual property of third parties, which Wessex Archaeology are able to provide for limited reproduction under the terms of the company copyright licences, but for which copyright itself is non-transferrable by



Wessex Archaeology. The client is reminded that they remain bound by the conditions of the *Copyright, Designs and Patents Act* 1988 with regard to multiple copying and electronic dissemination of the report.

#### 7.4 Security Copy

7.4.1 In line with current best practice (e.g. Brown 2011), on completion of the project a security copy of the written records will be prepared, in the form of a digital PDF/A file. PDF/A is an ISO-standardised version of the Portable Document Format (PDF) designed for the digital preservation of electronic documents through omission of features ill-suited to long-term archiving.

#### 8 REFERENCES

#### 8.1 Bibliography

- Barron, R. S. 1976. The geology of Wiltshire: a field guide. Moonraker Press.
- Brown, D.H., 2011, Archaeological archives; a guide to best practice in creation, compilation, transfer and curation, Archaeological Archives Forum (revised edition)
- Crowley, D.A., (Ed), 1995, Victoria County History of England: Wiltshire, Volume 15. (HIS, London)
- English Heritage, 1990, Researching the Past: Strategies for the Archaeology of England (HMSO).
- English Heritage, 1991, Management of Archaeological Projects (HMSO)
- Hallam, A., 1992, 'The Cretaceous', in P.Duff and A.J.Smith, 1992, *The Geology of England and Wales*.
- Institute for Archaeologists 2008, 'Standard and Guidance for Archaeological Watching Briefs', (IfA, Reading University)
- McOmish, D., Field., D., and Brown, G., 2002, *The Field Archaeology of the Salisbury Plain Training Area.* (English Heritage)
- Webster, C.J., 2008 (Ed), The Archaeology of South West England. South West Archaeological Research Framework: Resource Assessment and Agenda. (Somerset County Council)
- Wessex Archaeology 2013, WD0014 & WD0012, Bulford Army Camp, 33kV Electriity Substation, Bulford, Wiltshire. Written Scheme of Investigation for an Archaeological Watching Brief, Unpublished Client Report ref. T17400.01, June 2013



#### **APPENDICES**

## **Appendix 1: Table of Trench Descriptions**

TRENCH 1			Type: Evaluation	Mad	chine excavated	
Dimensio	ns:9.90m x 1.4	0m	Ground level:70.91	<b>–</b> 71	.22m aOD	
Co-ordina	ates: E413108.	77 N13343	6.38 and E413099.75 N13	3431.33		
Context	Description					Depth (m)
101	Layer	occasiona	Dark greyish brown silty classified all root disturbance and occaso sub-angular flint inclusion	asional to common sul	b-	0 – 0.25m
102	Layer		Mid brown silty clay (loose ib-rounded to sub-angular f ks.		irse	0.25 – 0.38m
103	Layer	Natural – (<0.15m).	Upper Chalk bedrock with	occasional flint nodule	:S	0.38m+

TRENCH	2		Type: Evaluation	Mad	chine excavated	
Dimensio	Dimensions: 9.40m x 1.40m Max. depth: 0.45m Ground level: 68.57 – 69.5					
Co-ordina	ates: E413171.	10 N1334	62.82 and E413176.50 N13	3454.73		
Context	Description					Depth (m)
201	Layer	sparse occasior	<ul> <li>Dark greyish brown silented in crop, occasional to common sub-rounds (&lt;0.04m).</li> </ul>	nal root disturbance,	and	0 – 0.20m
202	Layer	sparse s	<ul> <li>Mid brown silty clay ( sub-rounded to sub-angula rse chalk flecks.</li> </ul>			0.20 – 0.33m
203	Layer		<ul> <li>Upper Chalk bedrock wh -glacial scarring.</li> </ul>	ch is slightly degraded	d by	0.33m+

## Appendix 2: OASIS form

Bulford Army Camp, 33kV Electricity Substation, Bulford, Wiltshire - Wessex Archaeology OASIS ID - wessexar1-164528

Versions						
View	Version	Completed by	Email	Date		
View 1	1	S Farr	s.farr@wessexarch.co.uk	19 November 2013		
Completed sections in current version						
Details	Location	Creators	Archive	Publications		
Yes	Yes	Yes	Yes	1/1		
Validated sections in current version						
Details	Location	Creators	Archive	Publications		
			10			



No	No	No	No	0/1				
File submission and form progress								
Grey literat submitted?	-	No	Grey literature report filename/s					
Report rele specified?	ase delay	Yes	Release delay	Release into ADS library once signed off				
Images sub	mitted?	No	Image filename/s					
Boundary f	ile submitted?	No	Boundary filename					
HER signed	d off?		NMR signed off?					

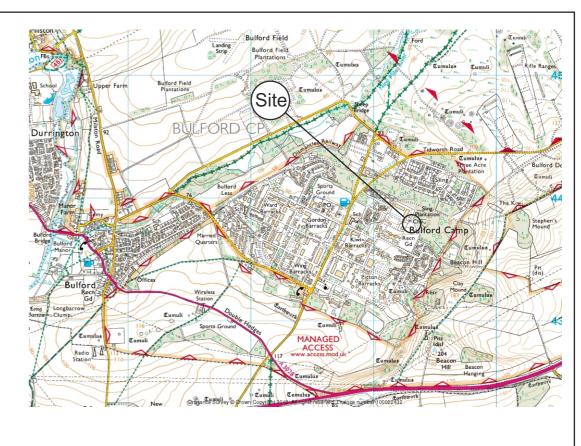


Switch Room excavation complete, viewed from the south-east

Transformer Room excavations (east end) complete, viewed from the south-west. Buried topsoil visible in sondage

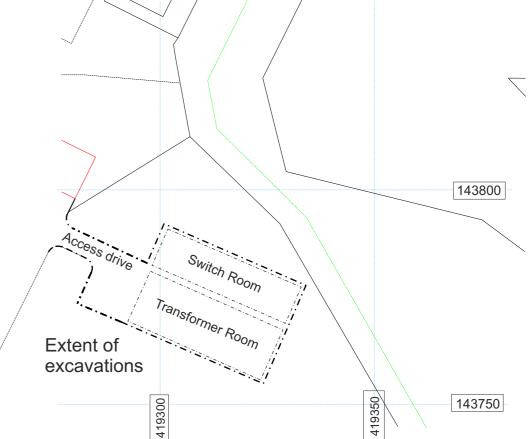


Brick exposed in base of Switch Room excavations





Access Road trial trench, viewed from the north-west,





Reproduced from the 2013 Ordnance Survey 1:25 000 map with the permission of the controller of Her Majesty's Stationery Office © Crown copyright, Wessex Archaeology, Portway House, Old Sarum Park, Salisbury, Wiltshire. SP4 6EB. Licence Number: 100028190.

Digital data reproduced from Ordnance Survey data © Crown Copyright 2013. All rights reserved. Reference Number: 100020449.

This material is for client report only © Wessex Archaeology. No unauthorised reproduction.

 Date:
 19/11/13
 Revision Number:
 0

 Scale:
 N/a
 Illustrator:
 Mike Heaton

 Path:
 X:\TENDERS\100510\Report

Site location and selected photos







