Flag Fen Sludge De-Watering



Archaeological
Watching Brief Report



December 2014

Client: Anglian Water

OA East Report No: 1701 OASIS No: oxfordar3-195702 NGR: TL 522264 298340



Flag Fen Sludge De-Watering

Watching Brief

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Report Date: December 2014



Report Number: 1701

Site Name: Anglian water sewage works, Flag Fen

HER Event No: n/a

Date of Works: November 2014

Client Name: Anglian Water

Client Ref: 4503445305

Planning Ref: n/a

Grid Ref: TL 522264 298340

Site Code: PETFLF14

Finance Code: PETFLF14

Receiving Body: Peterborough Museum

Accession No:

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Position: Senior project Manager

Date: December 2014

Signed:

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Summary

Oxford Archaeology East undertook a watching brief at the Anglian Water sewage works at Flag Fen, Peterborough over three days in November 2014. During this time a trench approximately 100m in length was excavated to a depth of 1m. Much of the area excavated had already previously been disturbed for service cables. A layer of peat was observed underlying the modern disturbances, however, no archaeological features were observed or recorded.



1 Introduction

1.1 Location and scope of work

- 1.1.1 An archaeological evaluation was conducted at Anglian Water Sewage Works, Flag Fen, Peterborough (Fig. 1)
- 1.1.2 This archaeological watching brief was undertaken in accordance with an instruction issued by Rebecca Casa-Hatton of Peterborough Museum, supplemented by a Specification prepared by OA East.
- 1.1.3 The work was designed to assist in defining the character and extent of any archaeological remains within the proposed redevelopment area, in accordance with the guidelines set out in *National Planning Policy Framework* (Department for Communities and Local Government March 2012). The results will enable decisions to be made by CCC, on behalf of the Local Planning Authority, with regard to the treatment of any archaeological remains found.
- 1.1.4 The site archive is currently held by OA East and will be deposited with the appropriate county stores in due course.

1.2 Geology and topography

1.2.1 This site lies on the Oxford Clay formation which is overlain by superficial peat deposits.

1.3 Archaeological and historical background

- 1.3.1 Approximately 1km north east lies the nationally important site of Flag Fen. A Bronze Age post alignment and a platform along with associated Bronze Age and later field systems and settlements were located here. The post alignment consisted of five rows of timber posts and at least five levels of horizontal timbers. Walkways were also identified with signs of trample and wear. A number of items were uncovered from the fen edge which were believed to have been votive deposits, these included items such as jewellery and weapons. Human remains also indicate that the fen edge may have been used for the laying of the dead. A number of other features can be seen in the form of cropmarks, such as Bronze Age barrows, Iron Age or Roman enclosures and a potential Roman temple.
- 1.3.2 Recent evaluation work at Newark Road, 1.5km north west, uncovered a number of post holes within ditched enclosures which are thought to represent post-built timber framed structures of Bronze Age date. Flint, pottery and a polished jadeitite axe fragment were found (Rees 2014). This represents the most recent of many evaluations and excavations on the Peterborough Fen Edge to the west of Flaf Fen.

1.4 Acknowledgements

1.4.1 The author would like to thank the client Anglian Water for commissioning the work. Richard Mortimer managed the project.



2 AIMS AND METHODOLOGY

2.1 Aims

2.1.1 The objective of this watching brief was to determine as far as reasonably possible the presence/absence, location, nature, extent, date, quality, condition and significance of any surviving archaeological deposits within the development area and to excavate and record it as necessary.

2.2 Methodology

- 2.2.1 The Brief required that excavation of the trench be monitored by an archaeologist. Areas previously disturbed did not need to be monitored due to prior excavation.
- 2.2.2 Machine excavation was carried out under constant archaeological supervision with a tracked 360 type excavator using a toothless ditching bucket.
- 2.2.3 Spoil, exposed surfaces and features were scanned with a metal detector. All metaldetected and hand-collected finds were retained for inspection, other than those which were obviously modern.
- 2.2.4 Any archaeological features and deposits would have been recorded using OA East's *pro-forma* sheets. Trench locations, plans and sections were recorded at appropriate scales and colour and monochrome photographs were taken of all relevant features and deposits.



3 Results

3.1 Introduction

3.1.1 The cable trench was approximately 100m in length and excavated to a maximum depth of 1m and a width of approximately 0.5m. Much of the pipe trench was in an area which had previously been excavated (Fig 2). At the western end of the pipe trench there was between 0.8m and 1m depth of rubble and make-up layers overlying the a layer of peat. As the pipe trench moved further east the modern layers decreased to a depth of 0.40m (Plate 1). The peat seen was typical of the area. No archaeological features, finds or deposits were uncovered.



4 DISCUSSION AND CONCLUSIONS

4.1 Discussion and conclusion

4.1.1 No archaeological features, finds or deposits were noted within the pipe trench. Much of the ground excavated had already been previously disturbed by 20th century structures, service cables and pipes. Excavation only extended to a depth of 1m which was not deep enough into the peat layer for archaeology to be uncovered. Archaeology may exist within the area at depths greater than that reached by the pipe trench.



APPENDIX A. BIBLIOGRAPHY

Rees, Gareth (2014) A prehistoric settlement and fieldsystem at the Perkins Engines site, Fengate, Peterborough. Project Report. Oxford Archaeological Unit Ltd

Online resources

Heritage Gateway: www.Heritagegateway.org.uk/gateway (Accessed 10/11/14)

British Geological Survey: http://mapapps.bgs.ac.uk/geologyofbritain/home.html (Accessed 10/11/14)



APPENDIX B. OASIS REPORT FORM

All fields are required unless they are not applicable.

Project De	etails									
OASIS Num	nber	oxfordar3-195702)							
Project Name Watching B			Brief at Anglian Water Sewage Works, Flag Fen							
Project Dates (fieldwork) Start		05-11-2014		Finish	07-11-20	114				
Previous Work (by OA East)			No Future			Work	0			
Project Refe	erence	Codes								
Site Code PETFLF14				p. No.	No. N/A					
HER No.			Related HER/OASIS No			lo. _{N/A}	N/A			
Type of Pro	ject/Te	chniques Use	d							
Promot			Local Planning Authority - PPG15							
Development Type Pi		Pipelines/Cab	Pipelines/Cables							
Please sel	ect all	techniques	used:							
Aerial Phot	ography -	- interpretation	Grab-Sa	mpling		Rem	Remote Operated Vehicle Survey			
Aerial Photography - new			Gravity-Core			☐ Sample Trenches				
Annotated Sketch			☐ Laser Scanning				Survey/Recording Of Fabric/Structure			
Augering			☐ Measured Survey			☐ Targ	☐ Targeted Trenches			
☐ Dendrochronological Survey			× Metal De	tectors		☐ Test	☐ Test Pits			
☐ Documentary Search			☐ Phosphate Survey			☐ Topographic Survey				
☐ Environmental Sampling			☐ Photogrammetric Survey			☐ Vibre	☐ Vibro-core			
☐ Fieldwalking			☐ Photographic Survey				☐ Visual Inspection (Initial Site Visit)			
Geophysica	al Survey		Rectified Photography							
Monument	Types	Significant Fi	nds & Their	Periods						
		_			and significa	nt finds usi	ng the MDA Object type			
Thesaurus together with their respective periods. If no features/finds were found, please state "none".										
Monument		Period		Obje	ct		Period			
N/A		Select p	eriod	N/A	\		Select period			
Select p		eriod				Select period				
Select p			eriod				Select period			

Project Location



County	Peterborough				Site A	ddress (inc	luding po	iding postcode if possible)		
District					Anglian Water Sewage Works					
Parish	Fengate		Third Drove Flag Fen							
HER	Peterborough									
Study Area	100m				National Grid Reference					
Project Or	riginators						L			
Organisation	<u> </u>	T								
Project Brief	Originator	Rebecca	Casa-Hatton							
_	gn Originator									
Project Mana	ager	Richard	Mortimer							
Supervisor		Kathryn	Nicholls							
Project Ar	chives									
Physical Archive			Digital Archive				Paper Archive			
None				OA East			None			
							1			
			PETFLF	14						
Archive Contents/Media				_						
	Physical Contents	Digital Contents	Paper Contents			Digital Me	dia	Paper Media		
Animal Bones						☐ Database		Aerial Photos		
Ceramics						GIS		☐ Context Sheet		
Environmental						Geophysic	cs	Correspondence		
Glass						x Images		Diary		
Human Bones						☐ Illustration	ıs	☐ Drawing		
Industrial						☐ Moving Im	nage	Manuscript		
Leather						Spreadsh		□ Мар		
Metal						Survey		☐ Matrices		
Stratigraphic						▼ Text		☐ Microfilm		
Survey						☐ Virtual Re	alitv	☐ Misc.		
Textiles							,	Research/Notes		
Wood								Photos		
Worked Bone								Plans		
Worked Stone/L	ithic							➤ Report		
None	\boxtimes							Sections		
Other								Survey		



Notes:							

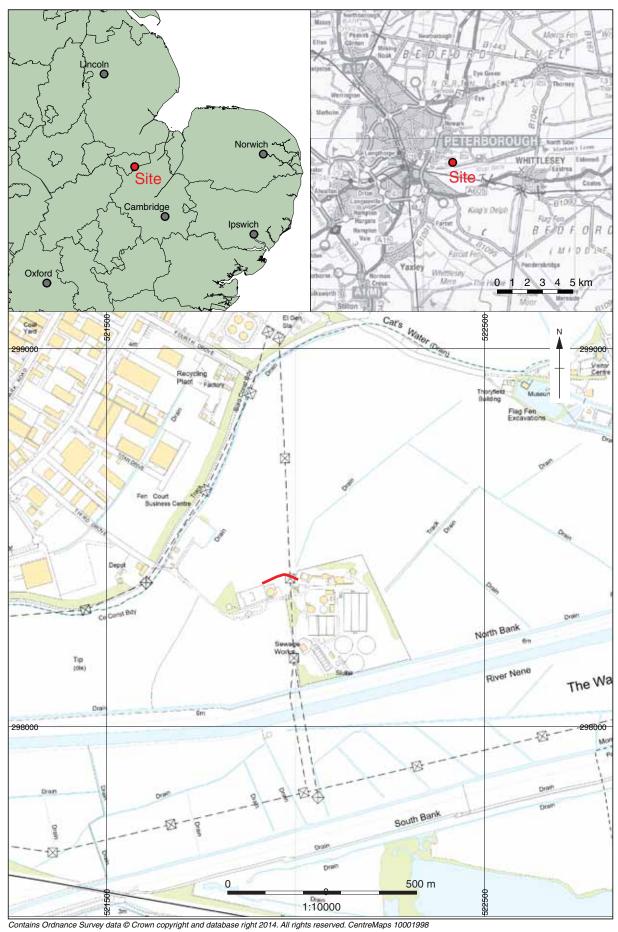


Figure 1: Site location map, Anglian water sewage works, Third drove, Flag Fen, Peterborough



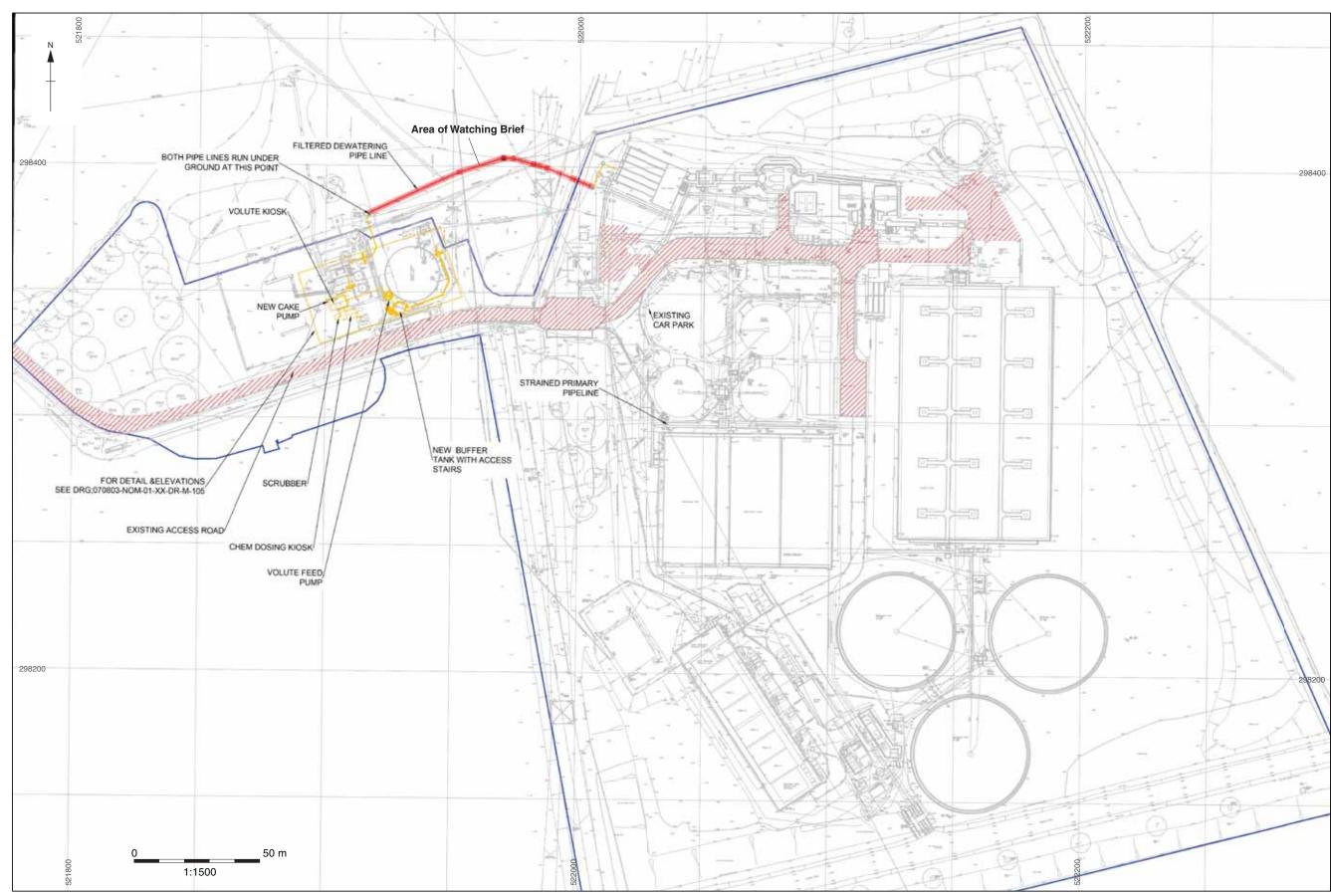


Figure 2: Pipe Trench plan

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Plate 1: Photo of Trench Section

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