

**An Archaeological Watching Brief at
Land Near to Long Furlong Lane, Patching, West Sussex.**

NGR :TQ 091 062

**Project No. 4511
Site Code: FDP10**

**ASE Report No. 2010115
OASIS id:archaeol6-80639**



**AUTHOR
Liane Peyre, MSc**

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Abstract

An archaeological watching brief, commissioned by 4 Delivery Ltd., was undertaken during the excavation of one draw pit and two ducts running from existing valve chambers at the Southern Water Pumping Station near Long Furlong Lane, Patching, West Sussex (NGR: TQ 091 062). An area measuring approximately 2m² was reduced by 1.1m for the draw pit, with two 300mm wide ducts (extending to the south and south west) excavated to a depth of 900mm. These works were undertaken on the 4th August 2010.

The site, currently a Southern Water Pumping Station, consisted of 100mm of either humic topsoil or made ground tarmac onto 300mm of silt clay subsoil, overlying a chalk natural. No archaeological finds or features were recovered.

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1.0 INTRODUCTION

- 1.1 Archaeology South East (ASE), a division of University College London Field Archaeology Unit, was commissioned by 4 Delivery Ltd to conduct a watching brief during the excavation of one draw pit and two ducts at Land near to Long Furlong Lane, West Sussex (Fig 1, NGR: TQ 091 062).
- 1.2 The site lies within the South Downs National Park, the Sussex Downs Area of Outstanding Natural Beauty and in an archaeologically sensitive area for prehistoric, Roman, medieval and post medieval remains. John Mills, Archaeologist, West Sussex County Council (WSCC) recommended that an archaeological watching brief be undertaken.
- 1.3 A *Written Scheme of Investigation* was produced by ASE (2010). This document outlined the methodologies to be used during monitoring at the site, and in the subsequent reporting and archiving of the results.
- 1.4 The areas of the development which were monitored are shown on Figure 2 and consisted of:
 - 1 new draw pit
 - 2 new ducts for sample lines
- 1.5 This document presents the results of a watching brief carried out at Land near to Long Furlong Lane, Patching, West Sussex. The field work was undertaken by Liane Peyre (Archaeologist). The project was managed by Jon Sygrave (Project Manager).
- 1.6 According to the British Geological Survey (Sheet 318/333) the underlying geology at the site consists of Head Deposits overlying Upper and Middle Chalk.

2.0 ARCHAEOLOGICAL BACKGROUND

- 2.1 The following information was produced in the WSI (with reference to Rudling, 2002 and 2003) and is reproduced here with all due acknowledgment.
- 2.2 Various prehistoric flint mines are known in the area, for instance at Church Hill to the south-west, and at Cissbury Ring, an Iron Age Hillfort to the south east of Patching. Numerous tumuli and an Iron Age settlement have also been identified in the vicinity.
- 2.3 Aerial photographs of the area reveal crop marks of field systems, enclosures and probable structures of prehistoric or Roman date. A Roman temple was excavated within Cissbury ring in 1908.
- 2.4 Metal detected finds have been recovered in the vicinity of the site, notably a copper alloy radiate of Carouseus (286-293 AD).
- 2.5 Additionally, the deserted medieval village of Muntham lies c. 1km to the north of the site.

3.0 ARCHAEOLOGICAL METHODOLOGY

- 3.1 The objective of the archaeological monitoring was to ascertain whether archaeological remains were present in the areas under excavation, and if so to what extent any exposed features, artefacts or ecofacts would be affected by the groundworks. If any archaeological features were encountered then they would be recorded and interpreted to the appropriate standards.
- 3.2 The proposed works consisted of metal detecting the area to be excavated and surrounding grassed land, then monitoring the stripping of topsoil and the reduction of the underlying deposits to the required depth.
- 3.3 The machine was fitted with a flat bladed ditching bucket to minimise damage to deposits. A metal detector was used intermittently as each spit was removed. Due to the width of the duct trenches and the unshored edges of the draw pit it was not possible to enter the excavated area. All features and deposits were recorded using the standard context record sheets used by Archaeology South East.
- 3.4 A digital photographic record of the work was kept and will form part of the site archive. The site archive is currently held by Archaeology South-East at the offices in Portslade, and will be offered to a suitable local museum in due course. The archive consists of the following material:

| | |
|-----------------------------|-------------------------------|
| Number of Contexts | 3 |
| No. of files/paper record | 1 File |
| Plan and sections sheets | 0 |
| Bulk Samples | 0 |
| Photographs | 10 digital colour photographs |
| Bulk finds | 0 |
| Registered finds | 0 |
| Environmental flots/residue | 0 |

Table 1: Quantification of site archive

4.0 RESULTS (Fig 2)

4.1 The draw pit and ducts were located to the south of the main pumping station, straddling both a grassed wooded area and a tarmac car park. Two contexts were recorded in this area; the stratigraphic sequence was noted as follows:

- Grassed humic topsoil (001) was encountered first. This deposit was a mid grey brown, loose, silt clay with moderate organic debris.
- Underlying this was the natural geology (002), a mid yellow brown silt clay (head deposits) with moderate sub angular and sub rounded flint nodules (10 – 40mm) and blocky chalk fragments.
- The natural was Upper and Middle Chalk.

4.2 List of recorded contexts

| Context Number | Type | Description | Max. Depth (mm) |
|----------------|-------|---------------|-----------------|
| (001) | Layer | Topsoil | 100 |
| (002) | Layer | Subsoil | 300 |
| (003) | Layer | Natural Chalk | 400 + |

Table 2: List of recorded contexts

4.3 Summary

The topsoil was heavily disturbed with rooting from adjacent trees. A metal detector sweep along the duct trenches and draw pit identified three metal objects but upon investigation these proved to be 20th century in origin (one kitchen knife, a tin can and some foil). The subsoil rendered no further finds or features.

5.0 THE FINDS

No archaeological finds were recovered.

6.0 THE ENVIRONMENTAL SAMPLES

No environmental samples were taken due to the lack of archaeological features or deposits.

7.0 DISCUSSION AND CONCLUSION

- 7.1 The watching brief undertaken showed that there were no archaeological features present in the impacted area, nor any associated metalwork. The topsoil across the area proved to be disturbed due to the proximity of trees and animal burrows. The duct trenches and draw pit also rendered no evidence of metalwork or archaeological features.

BIBLIOGRAPHY

ASE 2010 'Land near to Long Furlong Lane, Patching, West Sussex, BN13: Archaeological Watching Brief Written Scheme of Investigation'.

Rudling D 2002 (ed) 'Downland settlement and use, the archaeology of the Brighton bypass.' London : Archetype in association with English Heritage

Rudling, D.(ed) 2003 'The Archaeology of Sussex to AD 2000' Kings Lynn, Norfolk : Heritage Marketing & Publications on behalf of The Centre of Continuing Education, University of Sussex

ACKNOWLEDGEMENTS

Archaeology South East would like to thank John Mills (WSCC) for his assistance in this watching brief.

HER Sheet

| | | | | | | |
|--|---|---------------|--------------------|--------------------|--------|-------|
| Site Code | FDP10 | | | | | |
| Identification Name and Address | Long Furling Road, Patching | | | | | |
| County, District &/or Borough | West Sussex | | | | | |
| OS Grid Refs. | TQ 091 062 | | | | | |
| Geology | Head Deposits overlying Upper and Middle Chalk. | | | | | |
| Project number | 4511 | | | | | |
| Type of Fieldwork | Eval. | Excav. | Watching Brief ✓ | Standing Structure | Survey | Other |
| Type of Site | Green Field ✓ | Shallow Urban | Deep Urban | Other | | |
| Dates of Fieldwork | Eval. | Excav. | WB. August 2010 | Other | | |
| Sponsor/Client | 4 Delivery Ltd | | | | | |
| Project Manager | Jon Sygrave/Jim Stevenson | | | | | |
| Project Supervisor | Liane Peyre | | | | | |
| Period Summary | Palaeo. | Meso. | Neo. | BA | IA | RB |
| | AS | MED | PM | Other | | |
| <p>100 Word Summary.</p> <p><i>An archaeological watching brief, commissioned by 4 Delivery Ltd., was undertaken during the excavation of one draw pit and two ducts running from existing valve chambers at the Southern Water Pumping Station near Long Furlong Lane, Patching, West Sussex. An area measuring approximately 2m² was reduced by 1.1m for the draw pit, with two 300mm wide ducts (extending to the south and south west) excavated to a depth of 900mm. These works were undertaken on the 4th August 2010.</i></p> <p><i>No archaeological finds or features were recovered</i></p> | | | | | | |

OASIS Form

| | |
|----------------------------------|--|
| Project name | Land near to Long Furlong Road, Patching, West Sussex. |
| Short description of the project | An archaeological watching brief was undertaken during the excavation of one draw pit and two ducts near Long Furlong Lane, Patching, West Sussex (NGR: TQ 091 062). An area measuring approximately 2m ² was reduced to 1.1m for the draw pit, with two 300mm wide ducts (extending to the south and south west) excavated to a depth of 900mm. These works were undertaken on the 4th August 2010. The site, currently a Southern Water Pumping Station, consisted of 100mm of either humic topsoil or made ground tarmac onto 300mm of silt clay subsoil, overlying a chalk natural. No archaeological finds or features were recovered |
| Project dates | Start: 04-08-2010 End: 04-08-2010 |
| Previous/future work | No / No |
| Type of project | Field evaluation |
| Site status | Area of Outstanding Natural Beauty (AONB) |
| Current Land use | Grassland Heathland 3 - Disturbed |
| Monument type | NONE None |
| Monument type | NONE None |
| Significant Finds | NONE None |
| Significant Finds | NONE None |
| Methods & techniques | 'Visual Inspection' |
| Development type | Service infrastructure (e.g. sewage works, reservoir, pumping station, etc.) |
| Prompt | Routine investigation |
| Position in the planning process | Not known / Not recorded |

Project location

| | |
|---------------|---|
| Country | England |
| Site location | WEST SUSSEX WORTHING WORTHING Land near to Long Furlong Road, Patching, West Sussex |
| Postcode | BN13 3 |

| | |
|------------------|--|
| Study area | 10.00 Square metres |
| Site coordinates | TQ 091 062 50.8444581892 -0.450183785739 50 50 40 N 000 27 00 W Point |

Project creators

| | |
|------------------------------|----------------------------|
| Name of Organisation | Archaeology South-East |
| Project brief originator | 4 Development Ltd |
| Project design originator | west sussex county council |
| Project director/manager | Jon Sygrave |
| Project supervisor | Liane Peyre |
| Type of sponsor/funding body | 4D Ltd |

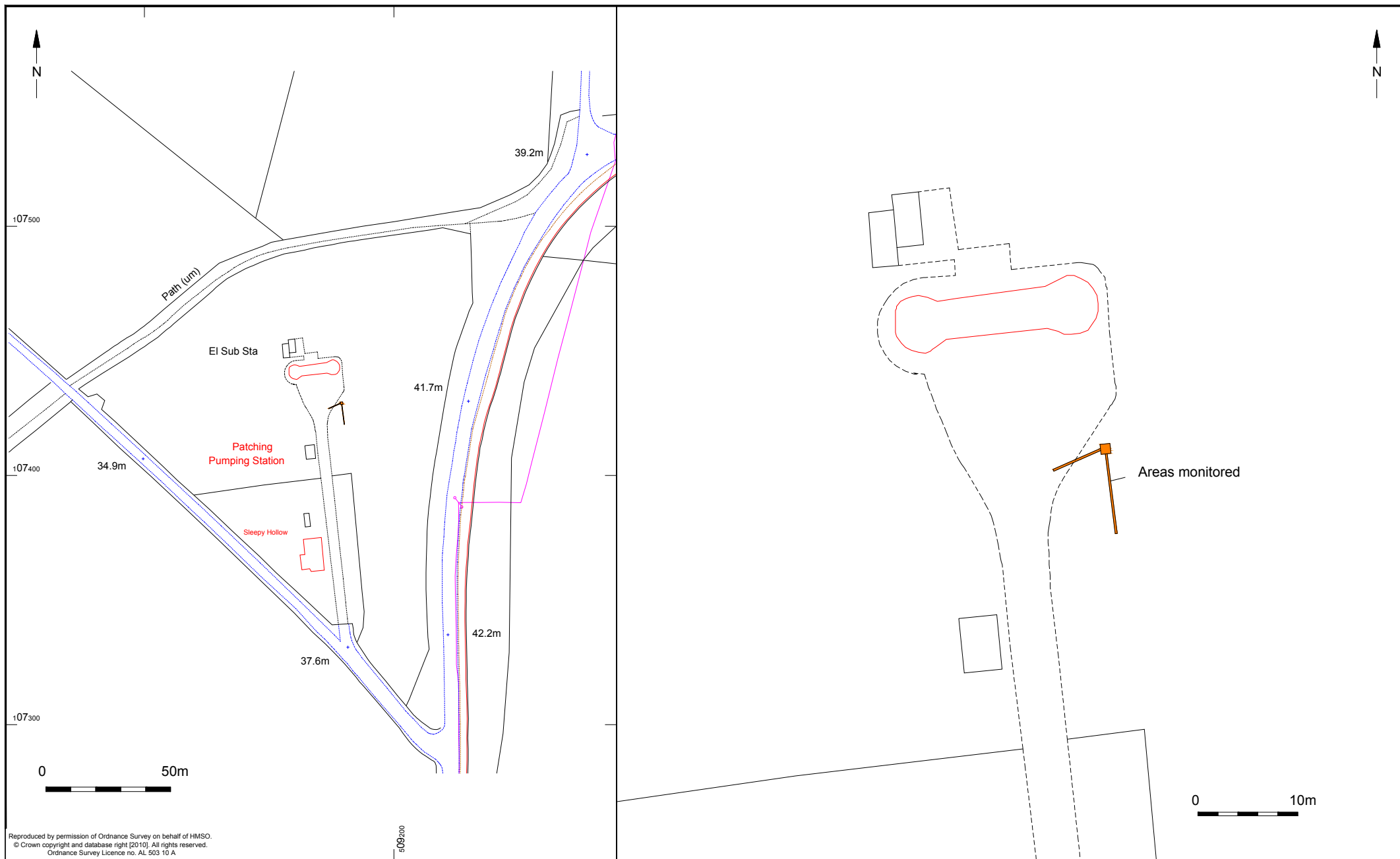
Project archives

| | |
|--------------------------|----|
| Physical Archive Exists? | No |
|--------------------------|----|

| | |
|------------|---------------------------------|
| Entered by | Liane Peyre (l.peyre@ucl.ac.uk) |
| Entered on | 5 August 2010 |



| | | | |
|--------------------------|---------------|-----------------------------|--------|
| © Archaeology South-East | | Long Furlong Lane, Patching | Fig. 1 |
| Project Ref: 4511 | July 2010 | Site location | |
| Report Ref: 2010115 | Drawn by: JLR | | |



| | | | |
|--------------------------|---------------|-----------------------------|--------|
| © Archaeology South-East | | Long Furlong Lane, Patching | Fig. 2 |
| Project Ref: 4511 | Sept 2010 | Areas monitored | |
| Report Ref: 2010115 | Drawn by: JLR | | |

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