

**An Archaeological Watching Brief on the  
Twyford Water Supply Compliance Scheme,  
Twyford, Hampshire**

**DRAFT**

**NGR 449240 124864 to 449216 124200**

**(SU 49240 24864 to 49216 24200)**

**ASE Project No. 3860  
Site Code: TWY 09**

**ASE Report No. 2009085  
OASIS id: archaeol6-59725**



**Kathryn Grant BA MSc AIFA**

**May 2009**

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**Abstract**

*Archaeology South-East was commissioned by 4Delivery Limited (4D) on behalf of Southern Water to undertake an archaeological watching brief during the excavation of test pits along the route of a proposed pipeline to the east of Twyford, Hampshire (NGR 449240 124864 to 449216 124200). The watching brief took place on 28<sup>th</sup> April 2009.*

*No archaeological deposits, features or artefacts were encountered during the four test-pits monitored in the watching brief.*

*Natural geology comprising natural chalk bedrock was recorded between 0.25m and 0.35m below ground surface.*

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## **1.0 INTRODUCTION**

### **1.1 Site Background**

1.1.1 Archaeology South-East (ASE), the contracting division of the Centre for Applied Archaeology, University College London (CAAUCL), was commissioned by 4 Delivery Limited (4D) on behalf of Southern Water to undertake an archaeological watching brief during the excavation of four test-pits along the route of a proposed pipeline to the east of Twyford, Hampshire (NGR 449240 124864 to 449216 124200; Figures 1 and 2) hereafter referred to as 'the site'.

### **1.2 Geology and Topography**

1.2.1 According to Ordnance Survey Geological Survey Sheet 299 - Winchester, scale 1:50,000, the underlying geology at the site is chalk.

1.2.2 The site lies on land east of Twyford village and is bounded to the north by Hazely Road (and the Twyford Waterworks) and to the west by Watley Lane. Green fields lie to the east of the site and the reservoir is located south of the route of the proposed route. The site falls away from south to north by some 20m over a distance of c. 400m.

### **1.3 Planning Background**

1.3.1 Consultation between 4 D and Tracy Matthews, Historic Environment Officer (Archaeology), Winchester City Council (WCC), established that due to the archaeological potential of the area an archaeological watching brief was to be maintained during the excavation of the test pits.

1.3.2 A *Written Scheme of Investigation* (WSI) for the archaeological watching brief was prepared (ASE 2009) with reference to the consultation mentioned above and communication between ASE and 4 D. The WSI was duly approved by the WCC Archaeologist and all work was carried out in accordance with this document and the relevant *Standards and Guidance* of the Institute of Field Archaeologists (IFA 2001).

### **1.4 Aims and Objectives**

1.4.1 The general aim of the archaeological watching brief as outlined in the WSI (ASE 2009) was to monitor the excavation of geotechnical test pits to ensure that any exposed artefacts or ecofacts of archaeological interest were recorded and interpreted to appropriate standards and to assist in the development of any further archaeological mitigation strategy associated with the pipeline.

### **1.5 Scope of Report**

1.5.1 This report details the findings of the watching brief which was undertaken by Kathryn Grant (Archaeological Field Officer) on 28<sup>th</sup> April 2009. The project

was managed by Neil Griffin (Fieldwork) and Dan Swift (Post-excavation).

## **2.0 ARCHAEOLOGICAL BACKGROUND**

- 2.1** Due to the limited nature of this phase of works it was agreed by the WCC Archaeologist that the results of a formal Historic Environment Record (HER) search would not to be reproduced within this document. Such a search will however form a component of any subsequent documents covering agreed mitigation measures relating to the main construction phase of the proposed pipeline.
- 2.2** The following basic archaeological background information has been reproduced from the WSI (ASE 2009).
- 2.3** Four Archaeologically Sensitive Areas (ASA) are known in the area surrounding the site (Figure 2). Numerous findspots have been recorded within the general area of the proposed pipeline. Findspots are particularly concentrated around Hazely Farm (NGR 450099 124869) Twyford Village (NGR 448166 125043) and the site of a Roman Villa (Scheduled Monument HA173, NGR 448338 124400). A number of tumuli are recorded within 1km of the proposed pipeline route. Two of these (located at NGR 449490 124962, c.250m east of the northern end of the proposed pipeline route) represent adjacent bowl barrows (Scheduled Monument 12138) measuring between 32-35m across, up to 3m high and surrounded by associated ditches. This type of barrow belongs to the Late Neolithic to Late Bronze Age period with most examples dating to the period 2400-1500BC (Web Source 1).
- 2.4** The site of Twyford Waterworks at the northern end of the proposed pipeline route, comprising an Edwardian building housing a steam pumping engine, water tube boiler, steam lighting set, several diesel engines, with associated and lime plant and lime kilns, is designated as a Scheduled Monument (No. HA501) and as an ASA.

### 3.0 ARCHAEOLOGICAL METHODOLOGY

#### 3.1 Fieldwork Methodology

- 3.1.1 The complete adopted methodology may be found in the WSI (ASE 2009). This section is a brief précis of the detail within the WSI.
- 3.1.2 Machining excavation was undertaken by a 2.5 tonne mechanical excavator fitted with a flat-bladed bucket. Following the careful removal of turf onto plastic sheeting, subsequent deposits were removed in spits to the limit of excavation.
- 3.1.3 Figure 2 shows the location of the four test-pits.
- 3.1.4 During the monitored excavations, all revealed deposits were examined for archaeological features and artefacts. The removed spoil was scanned for any stray, unstratified artefacts. The uncovered deposits were recorded according to accepted professional standards (IFA 2000 and 2001, EH 1991) using pro-forma context record sheets
- 3.2.4 A digital photographic record of each of the test-pits was kept forms part of the site archive.
- 3.2.5 The level of deposits has been approximated from the levels given on the plans supplied by 4D.

#### 3.3 The Archive

- 3.3.1 The site archive is presently held at the Archaeology South-East offices in Portslade, East Sussex pending submission to a suitable local museum. The contents of the site archive are summarised below in Table 1.
- 3.3.2 Table 1: Quantification of the Site Archive

Number of Contexts	2 contexts
Number of files/paper record	1 file
Plan and sections sheets	4 sections
Photographs	20 digital images



## 4.0 RESULTS

(Figures 2-6)

**4.1 Test-pit 1**, measuring 1.5m long and 0.6m wide with a maximum depth of 2.8m. No archaeological features, deposits or finds were exposed.

4.1.1 **Table 2:** Contexts revealed in test-pit 1

Number	Type	Description	Deposit Thickness	Approximate Height m AOD
1/001	Deposit	Topsoil/turf	0.30m	41.00
1/002	Deposit	Natural Geology	-	40.75

4.1.2 Summary of Contexts

Natural chalk bedrock [1/002] was encountered 0.25m below ground level at approximately 40.75m AOD. Overlying the natural strata was dark grey-brown silty topsoil [1/001] with occasional chalk flecks and unworked flint. No archaeological artefacts were revealed within the removed spoil.

**4.2 Test-pit 2**, measuring 1.5m long and 0.6m wide with a maximum depth of 2.6m, revealed only two deposits. No archaeological features, deposits or finds were exposed.

4.2.1 **Table 3:** Contexts revealed in test-pit 2

Number	Type	Description	Deposit Thickness	Approximate Height m AOD
2/001	Deposit	Topsoil/turf	0.25m	51.50
2/002	Deposit	Natural Geology	-	51.25

4.2.2 Summary of Contexts

Natural chalk bedrock [2/002] was encountered 0.25m below ground level at approximately 51.25m AOD. Overlying the natural strata was dark grey-brown silty topsoil [2/001] with occasional chalk flecks and unworked flint. No archaeological artefacts were revealed within the removed spoil.

**4.3 Test-pit 3**, measuring 1.5m long and 0.6m wide with a maximum depth of 2.5m, revealed only two deposits. No archaeological features, deposits or finds were exposed.

4.3.1 **Table 4:** Contexts revealed in Test-pit 3

Number	Type	Description	Deposit Thickness	Approximate Height m AOD
3/001	Deposit	Topsoil/turf	0.35m	56.35
3/002	Deposit	Natural Geology	-	56.00

#### 4.3.2 Summary of Contexts

Natural chalk bedrock [3/002] was encountered 0.35m below ground level at approximately 56.00m AOD. Overlying the natural strata was dark grey-brown silty topsoil [3/001] with occasional chalk flecks and unworked flint. No archaeological artefacts were revealed within the removed spoil.

**4.4 Test-pit 4**, measuring 1.5m long and 0.6m wide with a maximum depth of 2.6m, was the southernmost test-pit in which only two deposits were revealed. No archaeological features, deposits or finds were exposed.

##### 4.4.1 Table 5: Contexts revealed in Test-pit 4

Number	Type	Description	Deposit Thickness	Approximate Height m AOD
4/001	Deposit	Topsoil/turf	0.30m	60.00
4/002	Deposit	Natural Geology	-	59.70

#### 4.4.2 Summary of Contexts

Natural chalk bedrock [4/002] was encountered 0.30m below ground level at approximately 59.70m AOD. Overlying the natural strata was dark grey-brown silty topsoil [4/001] with occasional chalk flecks and unworked flint. No archaeological artefacts were revealed within the removed spoil.

**5.0 DISCUSSION AND CONCLUSIONS**

- 5.1** No archaeological features, deposits, artefacts or ecofacts were recorded in test-pits 1 – 4 of the archaeological watching brief.
- 5.2** All test-pits revealed the same sequence of natural chalk bedrock at a depth of between 0.25m and 0.35m overlain by topsoil and turf.
- 5.3** As such the archaeological watching brief has shown that within the test-pits monitored there is no archaeological potential. This does not preclude the possibility that archaeology may exist along the route of the pipeline, beyond and/or between the monitored test-pits 1 - 4.

## **BIBLIOGRAPHY**

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## **INTERNET SOURCES**

Web Source 1: <http://www.magic.gov.uk/rsm/12138.pdf> accessed 07/04/2009

## **ACKNOWLEDGEMENTS**

The co-operation and assistance of Tracy Matthews (WCC), Gary Noble and Steve Fastnedge (4D) has been greatly acknowledged.

**SMR Summary Form**

Site Code	TWY 09					
Identification Name and Address	Twyford WSW Compliance Scheme					
County, District and/or Borough	Nr Winchester, Hampshire					
OS Grid Refs.	NGR 449240 124864 to 449216 124200					
Geology	Chalk Bedrock					
Arch. South-East Project Number	3860					
Type of Fieldwork	Eval.	Excav.	<b>Watching Brief</b>	Standing Structure	Survey	Other
Type of Site	<b>Green Field</b>	Shallow Urban	Deep Urban	Other		
Dates of Fieldwork	Eval.	Excav.	<b>WB. 28-04-09</b>	Other		
Sponsor/Client	4D/Southern Water					
Project Manager	Neil Griffin					
Project Supervisor	Kathy Grant					
Period Summary	Palaeo. None	Meso. None	Neo. None	BA None	IA None	RB None
	AS None	MED None	PM None	Other		
<p>100 Word Summary.</p> <p><i>Archaeology South-East was commissioned by 4Delivery Limited (4D) on behalf of Southern Water to undertake an archaeological watching brief during the excavation of test pits along the route of a proposed pipeline to the east of Twyford, Hampshire (NGR 449240 124864 to 449216 124200). The watching brief took place on 28<sup>th</sup> April 2009. No archaeological deposits, features or artefacts were encountered during the watching brief monitoring of the test-pits. Natural geology comprising natural chalk bedrock was recorded between 0.25m and 0.35m below ground surface.</i></p>						

**OASIS Form**

<b>OASIS ID: archaeol6-59725</b>	
<b>Project details</b>	
Project name	Twyford Water Supply Compliance Scheme
Short description of the project	Archaeology South-East was commissioned by 4Delivery Limited (4D) on behalf of Southern Water to undertake an archaeological watching brief during the excavation of test pits along the route of a proposed pipeline to the east of Twyford, Hampshire (NGR 449240 124864 to 449216 124200).The watching brief took place on 28th April 2009. No archaeological deposits, features or artefacts were encountered during the watching brief monitoring of the test-pits. Natural geology comprising natural chalk bedrock was recorded between 0.25m and 0.35m below ground surface.
Project dates	Start: 28-04-2009 End: 28-04-2009
Type of project	Recording project
Significant Finds	NONE None
Investigation type	'Watching Brief'
<b>Project location</b>	
Country	England
Site location	HAMPSHIRE WINCHESTER TWYFORD Twyford Water Supply Compliance Scheme
Postcode	SO21 2
Site coordinates	SU 492 250 51.0217255555 -1.298443055330 51 01 18 N 001 17 54 W Point
Height OD / Depth	Min: 41.00m Max: 60.00m
<b>Project creators</b>	
Name of Organisation	Archaeology South East
Project director/manager	Neil Griffin
Project supervisor	Kathryn Grant
Type of sponsor/funding body	Southern Water
Entered by	Kathryn Grant (Kathryn.Grant@ucl.ac.uk)
Entered on	19 May 2009



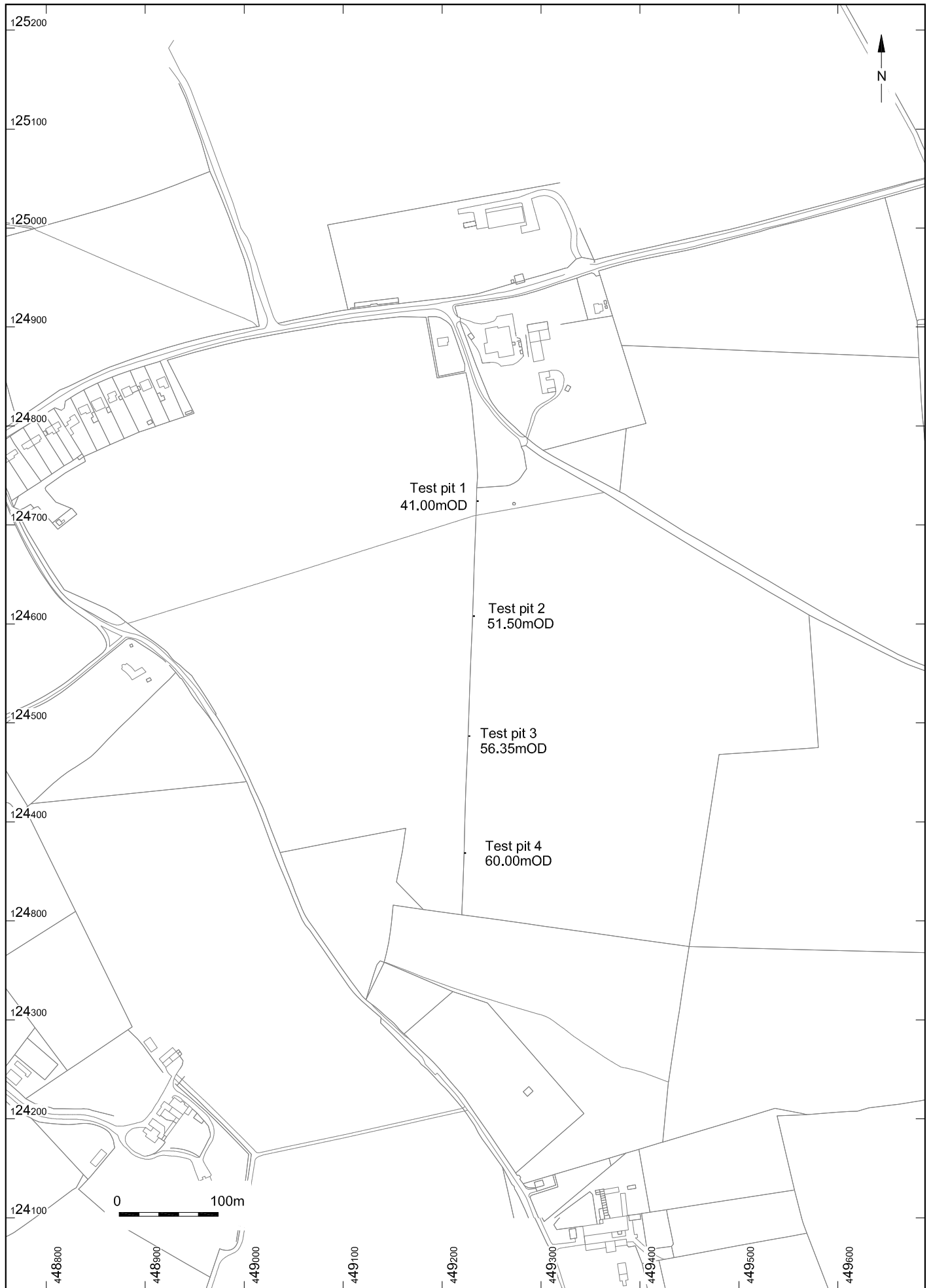




© Archaeology South-East		Twyford Water Supply Compliance Scheme		Fig. 1
Project Ref: 3860	May 2009	Site location plan		
Report Ref: 2009085	Drawn by: FEG			

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© Archaeology South-East		Twyford Water Supply Compliance Scheme		Fig. 2
Project Ref: 3860	May 2009	Test-pit locations		
Report Ref: 2009085	Drawn by: JLR			



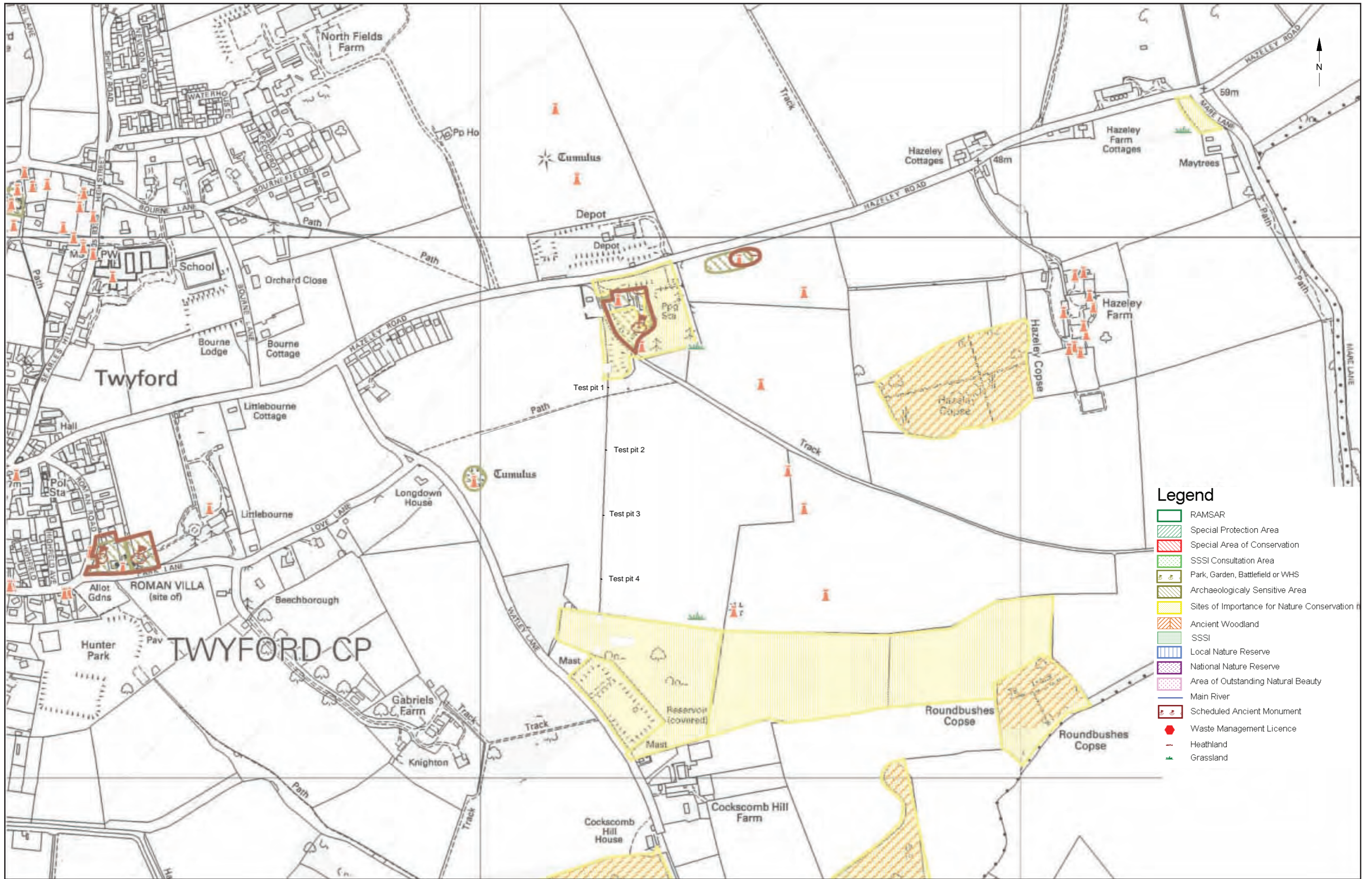






Fig. 4: Photograph of the site looking south from test-pit 2



Fig. 5: Working shot of test-pit 1



Fig. 6: Photograph showing section of test-pit 2

© Archaeology South-East		Twyford Water Supply Compliance Scheme		Figs. 4-6
Project Ref: 3860	May 2009			
Report Ref: 2009085	Drawn by: JLR			

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