

Archaeological Services & Consultancy Ltd

**ARCHAEOLOGICAL EVALUATION:  
ELY WT TO HADDENHAM WT  
CAMBRIDGESHIRE  
NGR: TL 49061 77317 - TL 52134 79041**

*on behalf of Anglian Water Services Ltd*



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**April 2006**

**ASC: 737/EHP/3**

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## Site Data

|                           |  |                        |     |
|---------------------------|--|------------------------|-----|
| <i>ASC project code:</i>  | EHP  | <i>ASC Project No:</i> | 737 |
| <i>County:</i>            | Cambridgeshire   |                        |     |
| <i>Village/Town:</i>      | Witchford  |                        |     |
| <i>Civil Parish:</i>      | Witchford  |                        |     |
| <i>NGR (to 8 figs):</i>   | TL 49061 77317 - TL 52134 79041  |                        |     |
| <i>Present use:</i>       | Arable land  |                        |     |
| <i>Planning proposal:</i> | Water main   |                        |     |
| <i>Date of fieldwork:</i> | 13/3/2006 – 29/3/2006  |                        |     |
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## Internal Quality Check

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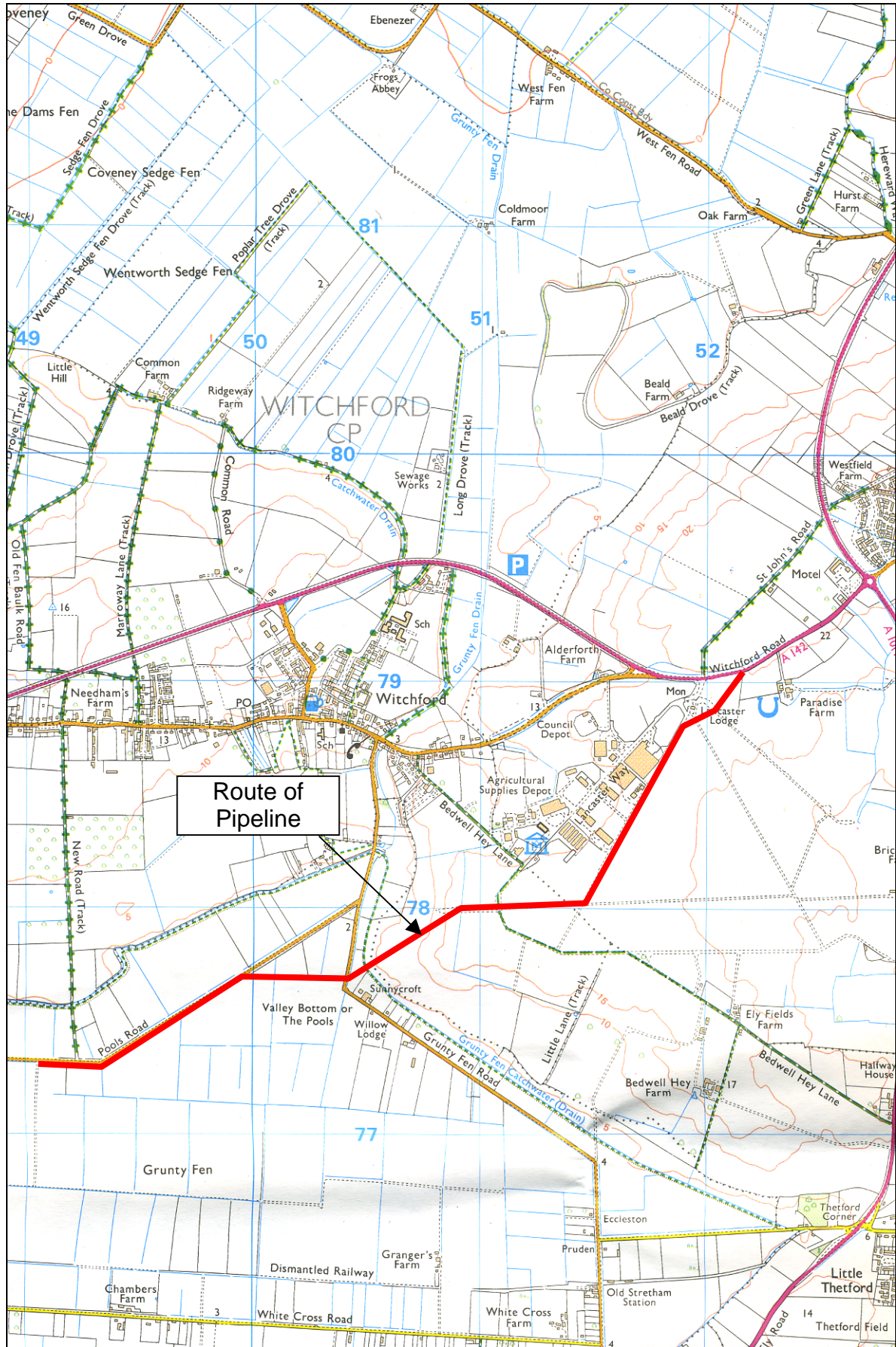


Figure 1: General location (scale 1:25,000)

## Summary

*In March 2006 Archaeological services and Consultancy Ltd carried out an evaluation on the proposed route of a water pipeline. A total of 1.8 linear kilometres of trenching were excavated. Ditches and pits/postholes containing early Romano-British pot sherds were discovered in trenches 12, 13 and 16, located at the centre of the site of the disused Witchford Airfield.*

*The discoveries confirm that Romano-British ditches of a low status rural settlement, located by earlier archaeological work during the construction of Lancaster Way Business Park, extend east and southeast into the airfield. Recovery of mid Iron Age and late Iron Age pot sherds indicate that continuity of settlement may have occurred.*

## 1. Introduction

1.1 In March 2006 *Archaeological Services and Consultancy Ltd (ASC)* carried out an evaluation along the proposed route of a water pipeline located between TL 49061 77317 and TL 52134 79041 (Fig. 1). The project was commissioned by *Anglian Water Services Ltd*, and was carried out according to a project design prepared by ASC (Hawtin and Rouse 2006) and a brief (Thomas 2005) prepared for the local planning authority (LPA), *Cambridgeshire County Council*, by their archaeological advisor (AA), *Cambridgeshire Archaeology (CAPCA)*.

### 1.2 *Planning Background*

The evaluation was required, in response to proposals for the construction of a replacement water main.

### 1.3 *Location*

The route of the pipeline ran between NGR TL 49061 77317 and TL 52134 79041 (Fig. 1) south and east of the town of Witchford through arable farmland of the Cambridgeshire Fens. The eastern end of the pipeline lies in the parish of Wilburton, although the route lies mostly within the parish of Witchford, which is located on a ridge between Ely and Sutton in the Isle of Ely.

### 1.4 *Description*

1.4.1 The western part of the route followed a dyke located on the southern side of Pools Road in an arable field containing a recently germinated crop.

1.4.2 The route diverged from Pools Road and traversed an area of uncultivated low lying land, known as *Valley Bottom* or *The Pools*, containing areas of standing surface water until meeting Grunty Fen Road.

1.4.3 It crossed Grunty Fen Road and a substantial road side ditch to traverse a grassed field and the Grunty Fen Catchwater dyke. The route climbed a slight rise east of the dyke, crossing an unmanaged (set a side?) field until it met an east-west aligned unmetalled track.

- 1.4.4 The route followed the east-west aligned unmetalled track for c.150m until it intersected Bedwell Hey Lane.
- 1.4.5 After crossing Bedwell Hey Lane the route entered the disused site of Witchford Airfield and continued east-west for c.400m beside a concrete airfield track in a field containing a recently germinated crop. It then turned to run southsouthwest-northnortheast through a recently ploughed field and ran at the side of another concrete airfield track, which in turn ran alongside the boundary of Lancaster Way Business Park.
- 1.4.6 The final 300m of the route turned to run southwest-northeast through recently ploughed fields between Lancaster Lodge and Paradise Farm until terminating at Witchford Road

## 1.5 *Geology & Topography*

The proposed route of the pipeline crosses soils of the Peacock Association (872a), the Hanslope Association (411d) and the Milford Association (541a) from west to east. The route lies at elevations between c.0m at the west and c.15m AOD at the east. The soil associations are respectively described as:

- “*deep humose calcareous clayey and non calcareous fine loamy over clayey soils. Some peat soils. Groundwater controlled by ditches and pumps*”. (Soil Survey 1983, 872a). The underlying geology consists of Jurassic and Cretaceous clays, till and associated superficial drift.
- “*consisting of slowly permeable calcareous clayey soils. Some slowly permeable non-calcareous clayey soils. Slight risk of water erosion*”. (Soil Survey 1983, 411d). The underlying geology is chalky till.
- “*Well drained fine loamy reddish soils over rock*” (Soil Survey 1983, 541a). The underlying geology consists of Devonian sandstone, siltstone, mudstone and slate.

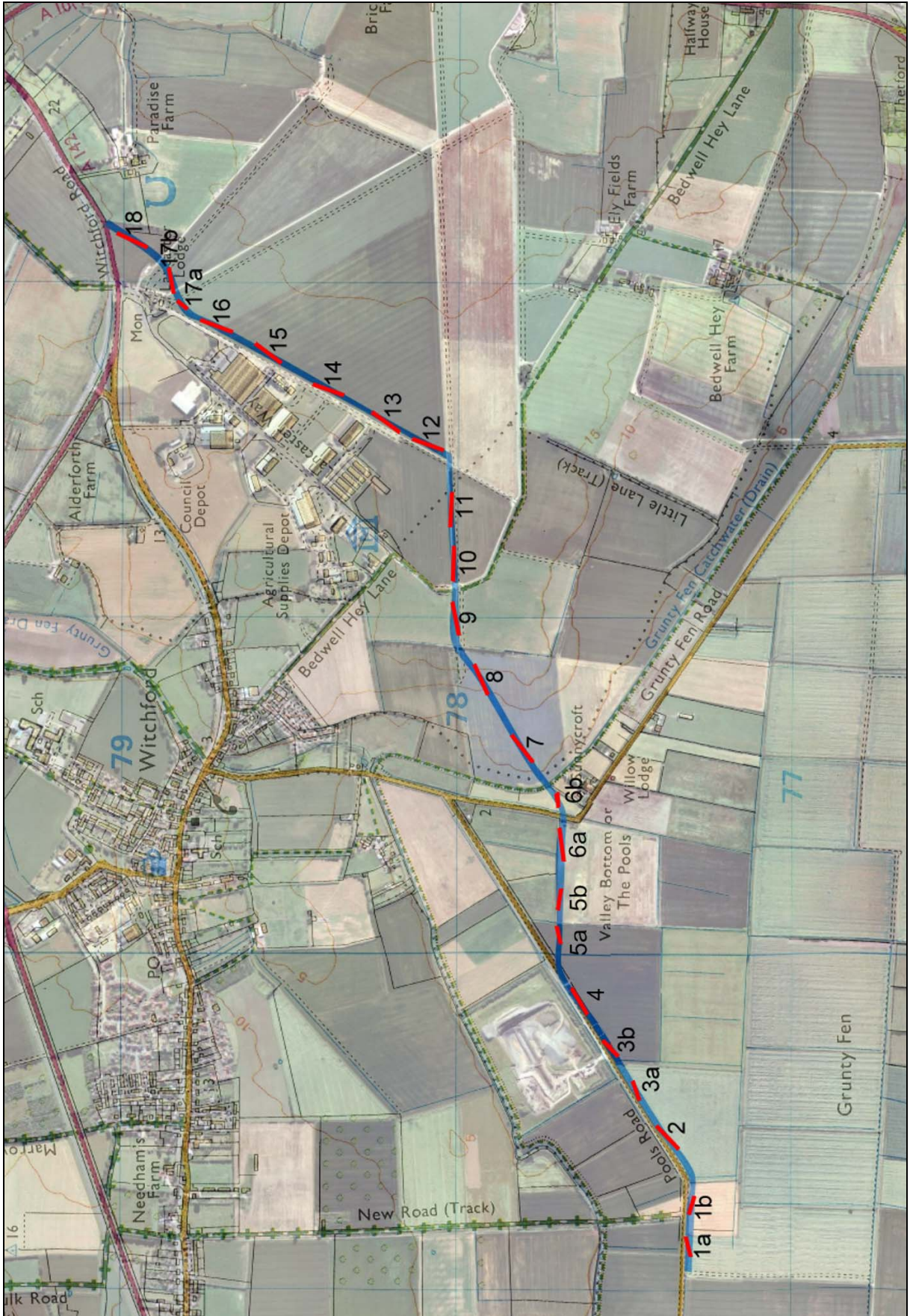


Figure 2: Trench location plan (1:7500)



## **2. Aims & Methods**

### **2.1 Aims**

In line with the requirements of the Brief (Section 3.1), the aims of the evaluation were:

- To determine the location, extent, date, character, condition, significance and quality of any surviving archaeological remains liable to be threatened by the proposed development

### **2.2 Standards**

The work conformed to the requirements of the *Brief* and to the relevant sections of the Institute of Archaeologists' *Standard & Guidance Notes* (IFA 2001) and *Code of Conduct* (IFA 2000a). It also conformed to the Association of Local Government Archaeological Officers East of England Region *Standards for Field Archaeology in the East of England* (ALGAO 2003), to current English Heritage guidelines (EH1991), and to the relevant sections of ASC's own *Operations Manual*.

### **2.3 Methods**

In line with the requirements of the Brief (Section 2.4), the methods adopted for this project were:

- A programme of linear trial trenching and test-pitting to adequately sample the threatened available areas
- All features were investigated and recorded unless otherwise agreed with CAPCA
- A minimum of 5% sample of the area affected by the pipeline was subject to trial trenching.

### **2.4 Constraints**

Significant depths of alluvium were revealed in trenches 1 – 6a and the presence of a network of land drains prevented excavation of the full length of the trenches to a suitable depth to test for presence of archaeological remains. After agreement from CAPCA, sondages were excavated through the alluvial sequences at each end of trenches 1- 6a.

### 3. Archaeological & Historical Background

The local and regional settings of archaeological sites are factors taken into consideration when assessing the planning implications of development proposals. The proposed pipeline lies within an area of archaeological and historical interest and the site has the potential to reveal evidence of a range of periods. The following sections summarise the findings of ASC's desk-based research, which was included within the project design (Hawtin and Rouse 2006). *HER = Historic environment record.*

#### 3.1 Prehistoric (before 600BC)

In contrast with many other Fenland areas, evidence of prehistoric activity is limited. The underlying geology of the area is heavy clay, a natural deposit that probably discouraged cultivation and settlement during prehistoric periods. Other types of prehistoric activity are suggested by two hoards of Bronze Age metal work which were discovered in the 19<sup>th</sup> century at locations close to the proposed route of the pipeline.

A mid Bronze Age hoard (HER 05785) was discovered in 1844 in the area known as Valley Bottom or The Pools. The hoard consisted of three palstaves and a “*fine gold torc made of a twisted rod coiled into a helix*” (Hall 1996, 71). The location of the findspot was shown on the Ordnance Survey first edition map of 1889 – 1891.

A late Bronze Age hoard of 163 items including spearheads, axes, swords, scabbard ends and a palstave were discovered in Grunty Fen in 1882 (Hall 1996, 71). Salway *et al.* (1970, 63) suggested that these hoards may represent votive offerings deposited “*in this secluded marsh, environed by forest*” alongside a possible trade route.

The Cambridge HER lists other isolated prehistoric finds in the Witchford area. A Neolithic axe was recovered c.500m from the western end of the pipeline (HER 01907). Two Bronze Age copper axes were found c.150m south of the pipeline (HER 06196) and a Bronze Age perforated stone macehead was found c.500m to the southeast (HER 16911). Lithic artefacts such as cores, blades and scrapers (HER 06912A, 06929 and MCB16255) are also recorded.

The cropmark of a possible ploughed-out Bronze Age barrow ring ditch (HER 05827) is recorded c.800m to the southwest of the proposed route.

#### 3.2 Iron Age (600BC-AD43)

Late Iron Age sites (Hall 1996, 41 & 44) are present northeast of Witchford. However, finds or sites of this period have not previously been discovered within 500m of the proposed pipeline.

#### 3.3 Romano-British (AD43-c.450)

The Ordnance Survey first edition map of 1889 – 1891 shows a find spot of Romano-British pottery northwest of the proposed pipeline and a Roman camp is marked to the east. The Cambridge HER also lists isolated find spots of Romano-British pottery (HER 05726, 06912, 06965, 11801, MCB16256 and MCB16259).

A watching brief in Lancaster Way Business Park in 1995 uncovered a small amount of redeposited Romano-British pottery (Robinson 1995). Subsequent work in Lancaster Way Business Park revealed three Romano-British ditches (Crank 2000; HER 06912). The ditches contained fragments of 2<sup>nd</sup> to 4<sup>th</sup> century pottery, coins, animal bone and tile, and were interpreted as indicating settlement rather than agricultural activity.

Later excavation revealed further 1<sup>st</sup>–3<sup>rd</sup> century Romano-British ditches, mid-late 4<sup>th</sup> century aligned pits and postholes, a 3<sup>rd</sup>–4<sup>th</sup> century gully containing redeposited human bone and a curvilinear enclosure ditch with a suggested mid 4<sup>th</sup> to 5<sup>th</sup> century date (Ralph 2003). The recovered artefacts suggest that the features belong to a mid-high status settlement that may extend into the airfield (*Ibid.*).

The route of a Roman road known as Akeman Street, may lie between Stretham village and Ely c.650m south and east of the proposed pipeline (Salway *et al.* 1970, 225; Jackson & Potter 1996, 22).

### 3.4 Saxon (c.450-1066)

The village of Witchford probably originated in the Saxon period and is a good example of a planned village. Oosthuizen (1996, 31) states that: “*As the church site is an integral part of the plan, the settlement probably dates to around AD 970, when Witchford was given to the Abbey at Ely*”. Witchford remained a possession of the abbey until it formed part of the grant of free warren in 1252. (Pugh 1953, vol. 4, 176-7).

A Saxon cemetery dating to the 5<sup>th</sup> to 7<sup>th</sup> centuries was revealed near the southeast corner of Witchford Aerodrome during levelling work in 1947 (HER 02104). Approximately 30 inhumations were uncovered, some with grave goods such as buckles, beads, brooches, spearheads and a sword (Hall 1996, 36). A farmer discovered an 8<sup>th</sup>-century Christian pendant made of crystal, gold, coloured glass and precious stones near the airfield in 1952 (*ibid.* HER 03159). Two early Saxon bronze brooches were also found c.900m to the southeast of the proposed pipeline (HER MCB16257).

The alleged location of the lost village of Cratendune, the supposed forerunner to Ely, is located south of the former airfield (HER 06935). The cemetery discovered at the airfield could belong to this village.

### 3.5 Medieval (1066-1500)

The Domesday Survey states that Witchford or *Wiceford(e)* was held by the Abbot of Ely and was valued at £10 (Williams & Martin 2003, 526).

### 3.6 Post-Medieval (1500-1900)

Excavations at the Lancaster Way Business Park in 2000 uncovered two parallel post-medieval ditches, interpreted as pre-inclosure field boundaries dating to the 18<sup>th</sup>-19<sup>th</sup> centuries (Ralph 2003). The area had been part of Ely’s westerly open fields and was enclosed during the early 19<sup>th</sup> century (Robinson 1995). With the exception of a few minor boundary changes, the landscape changed little during the later nineteenth century.

### **3.7 Modern** *(1900-present)*

The proposed pipeline runs through Witchford Aerodrome, a disused WWII RAF bomber base (HER numbers 11102 & CB15156). An evaluation at Lancaster Way Business Park found a Second World War service pipe and debris caused by demolition of the airfield (Leith 1996).

## 4. Results

### 4.1 General

Twenty three trenches with a combined total length of 1.8 linear kilometres were excavated. The trenches were machine excavated to the natural strata or the level of archaeological features under close archaeological supervision. The evaluation findings are summarised below. Detailed descriptions of the trenches are provided in Appendix 1 and detailed descriptions of the finds are provided in Appendix 5. A plan of the trenches containing archaeological features and location of sections excavated across them is shown in Figure 3. Drawings of the sections across the features are shown in Figure 6.

### 4.2 Fenland

Nine trenches numbered 1-6a were located in low lying, *c* 0m AOD, fenland at the west of the proposed pipeline route (Fig 2). Alluvial sediments were revealed in all nine trenches below the top and subsoil.

Fen pools, extensive peat deposits and significant archaeology were absent although a single possible pit [152] was recorded in Trench 1b. Dating evidence was not recovered from the fill of the pit although it was cut through the upper levels of the alluvial sequence and it may be relatively modern. An environmental sample taken from the fill of pit [153] contained very little material suitable for analysis and no evidence that would suggest its age.

The presence of active field drains meant that it was impracticable to machine excavate the complete length of the trenches down to drift deposits. Two sondages were machine excavated through the alluvium in each of the nine trenches to test depth and examine it for evidence of human activity. The alluvial sequence proved to be a maximum of 1.35m deep and thin lenses of peat were noted in two of the sections. Evidence of archaeological activity was not observed in the sondages.

At least four phases of drainage work were identified in the fenland trenches. The depths of the drains ranged from *c.* 0.5 - 1.3m below the ground surface.

The evaluation has suggested that the natural profile of the fen is fairly consistent and indicates four major silting events.

### 4.3 The southern periphery of the disused airfield

Trenches 6b, 7 and 8 ascended a gradual slope that climbed from the fen to a small plateau lying at *c.* 15m AOD. Trench 9 lies on the plateau west of Bedwell Hey Lane and trenches 10 and 11 are located within the southwestern perimeter of the disused airfield (Fig 2).

**Trench 6b** was 33m long and lay toward the base of the slope. The natural deposits were brown/orange/grey mottled clay plus a deposit of mid yellowish brown silty clay which filled a natural hollow located at the centre of the trench. One east-west aligned field drain crossed the northern half of the trench. Archaeological finds or features were not observed.

**Trench 7** was 100m long and was located at the mid part of the slope. Ten field drains, aligned east-west, traversed the width of the trench. The natural strata was heterogeneous consisting of orange/grey mottled clay at the southwest, a central band of gravel and a deposit of colluvium at the northeast. No archaeological finds or features were observed.

**Trench 8** was 100m long and straddled the upper part of the slope and plateau. The natural stratum was an orange/yellow grey mottled clay. Two shallow, sub-circular (0.3m diameter) mid yellowish brown silt filled post holes were observed at the centre of the trench. A small sherd of modern blue and white transfer printed china was noted in the upper part of the fill of [806] which also contained frequent burnt clay inclusions. Finds were not recovered from the fill of [804] although the similarity of the fills and recovered finds could suggest that both post holes are relatively modern. An environmental sample taken from the fill of post hole [806] contained very little material suitable for analysis and no evidence that would suggest its age.

**Trench 9** was 100m long. Areas of brick rubble were present under the topsoil and two field drains cut the natural mid reddish brown sandy clay at the southwestern end of the trench. No archaeological finds or features were observed.

**Trench 10** was 100m long and brick rubble was present under the topsoil at the eastern end of the trench. Six north – south aligned field drains cut the natural mid reddish brown sandy clay. Archaeological finds or features were not observed.

**Trench 11** was 100m long and 0.4m of overburden was stripped revealing natural mid reddish brown sandy clay. Archaeological finds or features were not observed.

#### **4.4 The centre of the disused airfield**

Trenches 12–16 were located at the central part of the disused airfield (Fig 2). Archaeological work during the construction of Lancaster way Business Park revealed Romano-British ditches and pits and suggested that the evaluation trenches located in this area could reveal archaeological features. Sectional clay field drains were identified in all the trenches.

**Trench 12** was machine stripped through topsoil, airfield demolition rubble and an apparently undisturbed mid reddish brown silty clay subsoil. Five ditches were observed cut into the natural reddish brown clayey sand (Fig 3).

Ditches [1203] and [1211] were cut through the undisturbed subsoil and appear relatively modern. Romano-British and Medieval pot sherds were recovered from the fill of ditch [1203] although its location and orientation is similar to an inclosure ditch shown on 1<sup>st</sup> Ed. OS mapping, consequently the sherds may be residual. Dating evidence was not recovered from ditch [1211].

The south-eastern terminal end of a southeast-northwest orientated ditch [1209] was partially revealed under the northeastern limit of the trench. The trench was extended to reveal the full width of the ditch and a further section [1206] was excavated across

it (Fig 4). Late Iron Age and early Romano-British pot sherds were recovered from the fills of both sections.

Bulk soil samples were taken from the primary and secondary fill of section [1206]. Environmental analysis of the samples showed that both contained wheat chaff which suggests nearby processing of cereal crops. Animal bone from domestic refuse and the natural fauna of the surrounding area were also recovered from both samples and the secondary fill (1207) contained the remains of a house mouse, a species which is synonymous with settlement.

Curvilinear feature [1213] was sealed by the undisturbed subsoil. Dating evidence was not recovered from a section excavated across it although its relationship with the undisturbed subsoil suggests that it is an archaeological gully/ditch.

Linear ditch/gully [1215] was c.0.4m wide and c.0.3m deep. Dateable finds were not recovered from its mid reddish brown sandy silt fill.

The trench was extended 5m southwest and four further features were revealed (Fig 5). The fill of north-south aligned ditch [1217] contained Iron Age pot sherds. An environmental sample from one of its fills contained cereal grains, wheat chaff and the molluscan assemblage indicated an open grassland environment. Two sections were excavated across a possible rectilinear feature [1224, 1226]. Early Romano-British pot sherds were recovered from the fill of [1224] and Iron Age pot sherds were recovered from the fill of [1226]. Two possible pits [1220, 1222] were partially revealed under the limits of the trench, dating evidence was not recovered during investigation of these features.

**Trench 13** was excavated to the natural mid orangeish brown clayey sand. A c.0.3m wide and 0.3m deep linear ditch/gully [1303] was present in the northern half of the trench (Fig 3). No finds were recovered from a section excavated across the gully/ditch and its antiquity is uncertain. No other archaeological finds or features were observed.

**Trench 14** was machine stripped through topsoil, airfield demolition rubble and disturbed silty clay overlying the natural mid orangeish brown sandy clay. No archaeological finds or features were observed.

**Trench 15** was machine stripped through topsoil, airfield demolition rubble and disturbed silty clay overlying the natural mid orangeish brown sandy clay. No archaeological finds or features were observed.

**Trench 16** was machine stripped through topsoil, airfield demolition rubble and disturbed silty clay overlying the natural mid orangeish brown sandy clay. Two archaeological gullies/ditches were revealed (Fig 3).

The terminal end of a shallow, c. 0.2m wide, curvilinear gully/ditch [1605] ran approximately northeast-southwest in the central part of the trench. A c. 1.0m wide and 0.3m deep northwest to southeast orientated linear ditch [1608] was also identified at the central part of the trench. mid Iron Age and late Iron Age pot sherds were

recovered from [1605] and late Iron Age/ early Roman pot sherds were recovered from both of these features.

An environmental sample taken from the fill of [1608] suggests cereal crops may have been processed nearby and the weed seed and molluscan evidence suggest an open, seasonally wet, grassland environment.

#### **4.5 The northern periphery of the disused airfield**

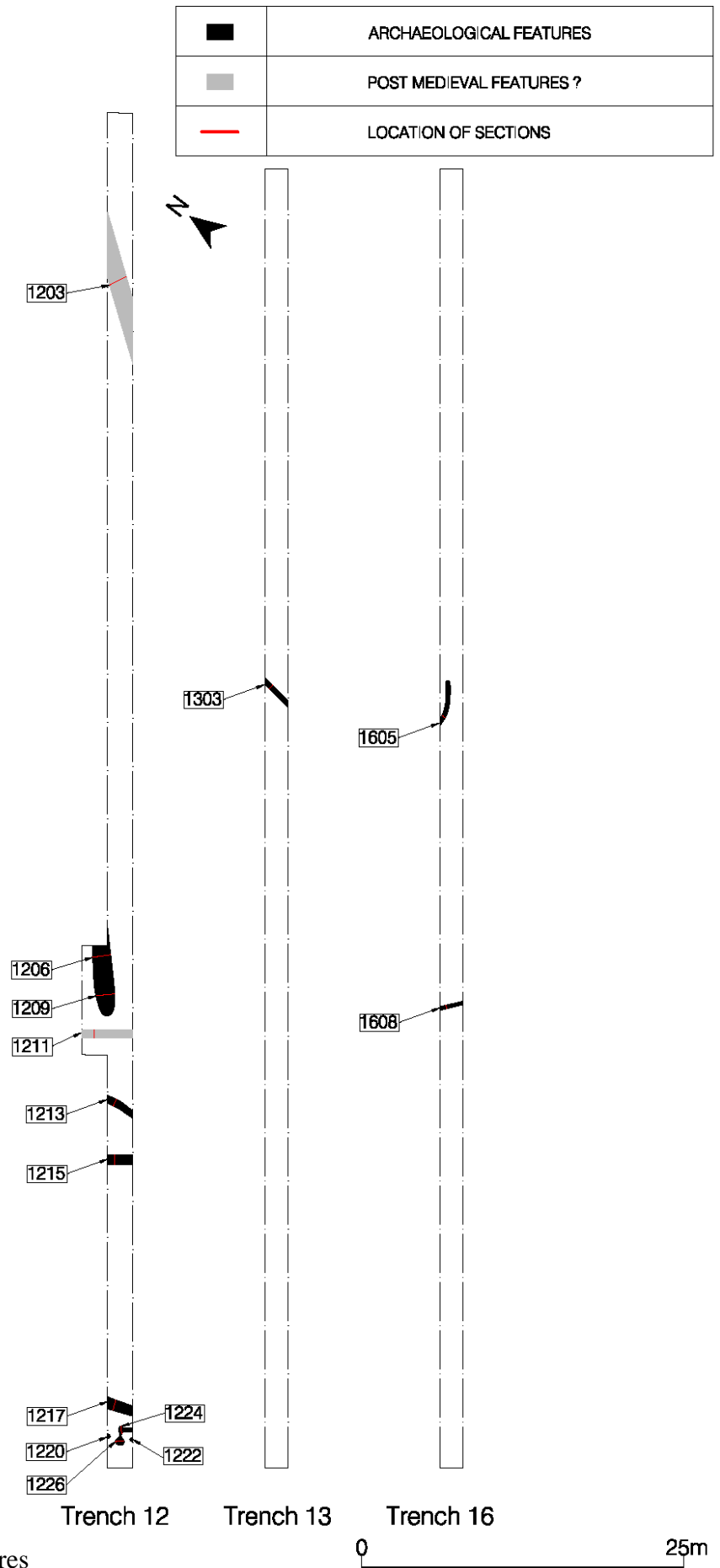
Trenches 17a, 17b and 18 were located at the northern end of the proposed pipeline near Lancaster Lodge and Witchford Road. North - south aligned field drains were present in all three trenches.

**Trench 17a** was 35m long. A ditch was observed cut into the natural orangeish brown gravelly/sandy clay at the northeastern end of the trench. Fragments of modern brick were noted in the surface of the ditch fill and tip lines were evident in a section excavated across it. The modern material and tip lines suggest that this is a relatively recent ditch deliberately backfilled in the second half of the 20<sup>th</sup> century. Archaeological finds or features were not observed.

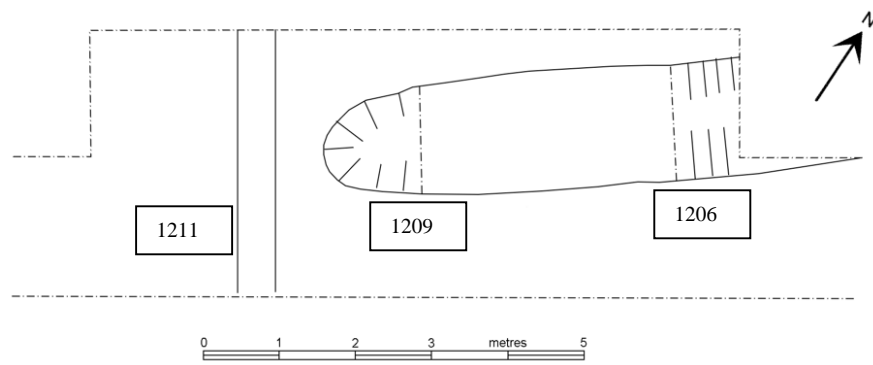
**Trench 17b** was 65m long. Underlying areas of the topsoil were 0.2m thick patches of asphalt, it is probable that this material defines the location of part of the apron or hard standing of the airfield. The natural stratum was an orangeish brown sandy silt. No archaeological finds or features were observed.

**Trench 18** was 100m long. The natural stratum was a mid orangeish brown sandy clay with moderate sub-angular gravel inclusions. A deposit of reddish brown silt filled a natural hollow and was cut by a modern service pipe at the northern end of the trench. Archaeological finds or features were not observed.

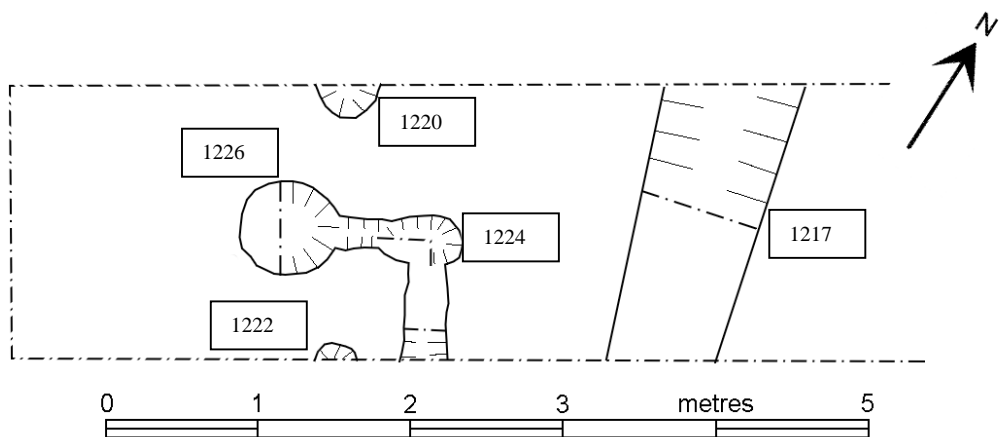




**Figure 3:** Plan of features  
trenches 12, 13 and 16 (1:500)



**Figure 4:** Plan of features in extension at centre of Trench 12 (1:100)



**Figure 5:** Plan of features in southwestern extension of Trench 12 (1:50)

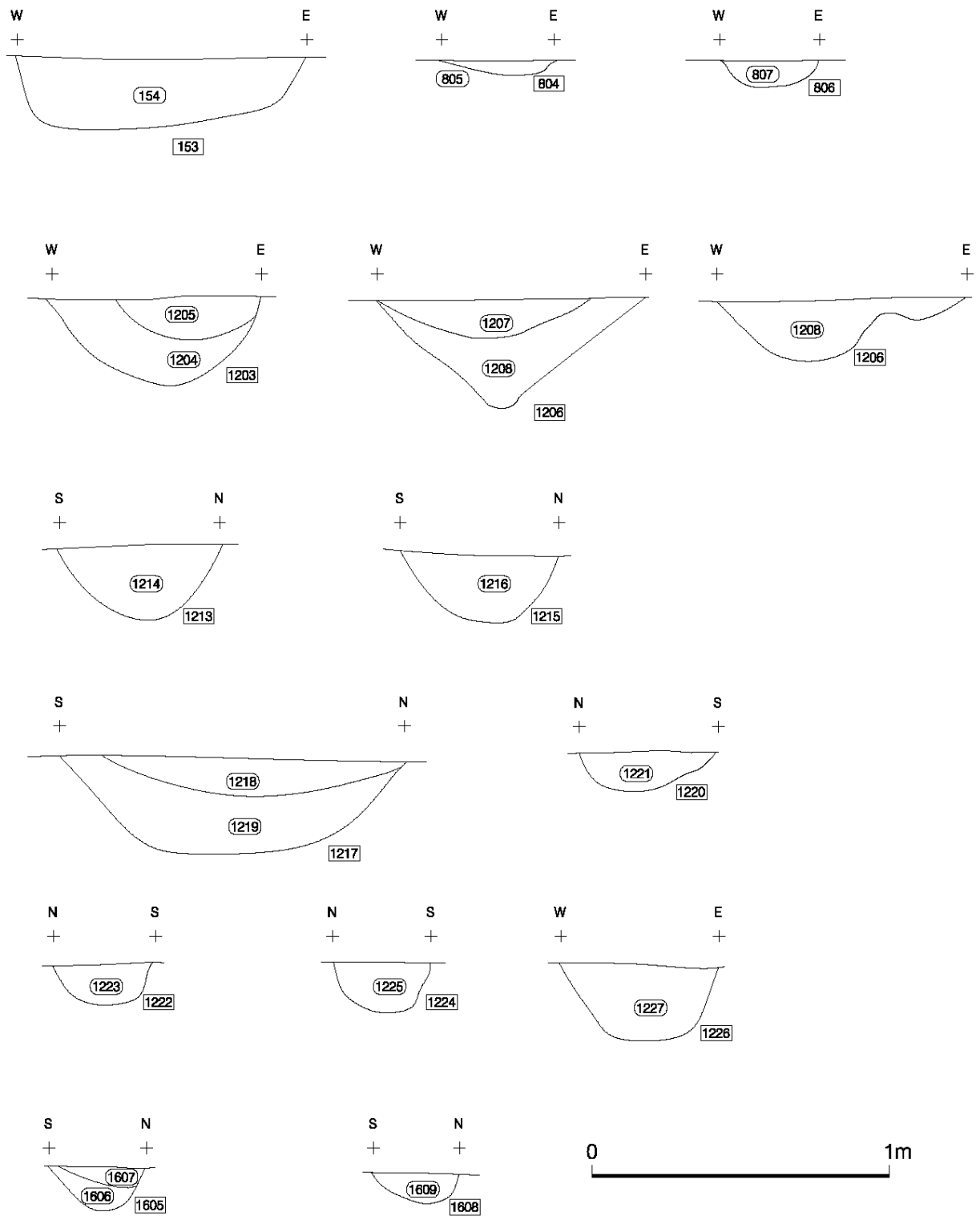


Figure 6: Sections across features (1:20)



**Plate 1:** Modern pit [153]. Trench 1b



**Plate 2:** Post hole [804]. Trench 8



**Plate 3:** Post hole [806]. Trench 8



**Plate 4:** Gully/ditch [1303]. Trench 13



**Plate 5:** Ditch [1203]. Trench 12



**Plate 6:** Ditch [1209] with ditch/gully [1211] in foreground. Trench 12



**Plate 7:** Ditch [1209] with section [1206] in background. Trench 12



**Plate 8:** Section [1206]. Trench 12



**Plate 9:** Southern extension of Trench 12 showing features.



**Plate 10:** Slot/gully [1224] and post hole [1226]. Trench 12



**Plate 11:** Section [1217]. Trench 12



**Plate 12:** Curvilinear gully/ditch [1605]. Trench 16

## **5. Conclusions**

### **5.1 The Fenland**

Significant archaeology was not revealed in any of the nine fenland trenches. A solitary pit was present in Trench 1b although the balance of evidence suggests that it may be a modern feature. A sequence of alluvial sediments was observed in sondages excavated at each end of the nine trenches. Evidence of erosion caused by past agricultural activity may be contained within these sediments. However such evidence may be ephemeral and was not visible within the recorded profiles. Archaeological finds or features were absent from the sondages. The summarised evidence suggests that the Fenland has low archaeological potential.

### **5.2 Northern and Southern Periphery of the Airfield**

Trenches excavated at the northern and southern periphery of Witchford Airfield did not reveal significant archaeology. Two post holes were present in Trench 8 although the balance of evidence suggests the these features may be modern. Trenches 6b – 9 were located on a gradual slope that rises from the fenland to meet the southeastern perimeter of the disused airfield. The trenches at the base of the slope could contain ephemeral eroded evidence of past agricultural activity although none was visible to the naked eye. The summarised evidence suggests that these areas have low archaeological potential.

### **5.3 The Centre of the Airfield**

Trenches excavated at the centre of the airfield revealed archaeological ditches and pits/post holes containing late Iron Age and early Romano-British pot sherds sealed under deposits of airfield demolition rubble. Two possible clusters of archaeological activity are indicated by the discovered features, which were located in trenches 12, 13 and 16. The recovered pot sherds and environmental evidence suggest the presence of a low status rural site. The results of the evaluation show that Romano-British features located during earlier archaeological work at Lancaster Way Business Park extend east and southeast into the airfield and illustrates that earlier Iron Age activity is also present. The summarised evidence shows that the archaeological potential of this area is high.

## **6. Acknowledgements**

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The fieldwork was carried out by Nigel Wilson HND AIFA and M. Cuthbert BA. This report was prepared by Alastair Hancock and edited by Bob Zeepvat BA MIFA.

## **7. Archive**

7.1 The project archive will comprise:

1. Brief
2. Project Design
3. Initial Report
4. Clients site plans
5. Site records
6. Finds records
7. Finds
8. Sample records
9. Site record drawings
10. List of photographs/slides
11. B/W prints & negatives
12. Original specialist reports and supporting information
13. CDROM with copies of all digital files.

7.2 The archive will be deposited with Cambridgeshire Archaeological Store.

## 8. References

### *Standards & Specifications*


- ALGAO 2003 *Standards for Field Archaeology in the East of England*. East Anglian Archaeology Occasional Paper **14**.
- EH 1991 *The Management of Archaeological Projects*, 2<sup>nd</sup> edition. English Heritage (London).
- Hawtin T and Rouse C 2006 *Ely WT to Haddenham WT, Water Main Replacement Scheme, Cambridgeshire. Project Design for Archaeological Evaluation*. ASC Ltd. Ref: 737/EHP/1
- IFA 2000a Institute of Field Archaeologists' *Code of Conduct*.
- IFA 2001 Institute of Field Archaeologists' *Standard & Guidance documents (Desk-Based Assessments, Watching Briefs, Evaluations, Excavations, Investigation and Recording of Standing Buildings, Finds)*.
- Thomas A. 2005. *Brief for Archaeological Evaluation, Ely WT to Haddenham WT Replacement*. Cambridgeshire County Council.

### *Secondary Sources*

- Crank N.A. 2000. *Plot C, Lancaster Way Business Park, Ely: An Archaeological Evaluation*. Hertfordshire Archaeological Trust Report no. 748.
- Hall D. 1996. *The Fenland Project, Number 10: Cambridgeshire Survey, The Isle of Ely and Wisbech*. East Anglian Archaeology Report No. 79 (Cambridge).
- Jackson R.P.J. & Potter T.W. 1996. *Excavations at Stonea Cambridgeshire 1980-85*. British Museum Press (London).
- Leith S. 1996. *An Archaeological Evaluation at Lancaster Way Business Park, Ely, TL 512 783*. Cambridgeshire County Council Archaeological Field Unit Report.
- Oosthuizen S. 1996. *Cambridgeshire from the Air*. Alan Sutton Publishing Ltd (Stroud).
- Pugh R.B. 1953. *The Victoria County History of the County of Cambridge and the Isle of Ely* Volumes 2 and 4. Oxford University Press (London).
- Ralph S. 2003. *Plot C, Lancaster Way Business Park, Ely: An Archaeological Excavation*. Hertfordshire Archaeological Trust Report no. 1273.
- Robinson B. 1995. *A Recording Brief at Lancaster Way, Witchford Airfield, Ely, TL 516 785*. Cambridgeshire County Council Archaeological Field Unit Report.
- Salway P., Hallam S.J. & l'Anson Bromwich J. 1970. *The Fenland in Roman Times*. Royal Geographical Society Research Series No.5 (London).
- Soil Survey 1983 *1:250,000 Soil Map of England and Wales, and accompanying legend* (Harpenden).
- Williams A. & Martin G.H. (eds) 2003 *Domesday Book: A complete translation*. Penguin Books (London).




## Appendix 1: Trench Summary Tables

| <b>Trench 1a</b>  |         |                                     |                           |                |                    |      |
|---|---------|-------------------------------------|---------------------------|----------------|--------------------|------|
|  |         |                                     | <b>Max Dimensions (m)</b> |                |                    |      |
|   |         |                                     | <b>Width</b>              | 1.8            | <b>Length</b>      | 51.0 |
|   |         |                                     | <b>Depth</b>              | 0.50           | <b>Level (top)</b> |      |
|   |         |                                     | <b>NGR Co-ordinates</b>   |                |                    |      |
|   |         |                                     | TL 49111 77309 (W)        |                | TL 49163 77317 (E) |      |
| <b>Orientation</b>  |         | ENE-WSW                             |                           |                |                    |      |
| <b>Reason for Trench</b>  |         | Proposed water pipeline evaluation. |                           |                |                    |      |
| Context   | Type    | Description and Interpretation      | Max Width (mm)            | Max Thckn (mm) | Depth BGL (mm)     |      |
| 100   | Topsoil | Mid brownish grey topsoil           |                           | 400            |                    |      |
| 101   | Subsoil | Mid greyish brown silty clay        |                           | 200            |                    |      |
| 102   | Layer   | Mid brownish grey silty clay        |                           | 200            |                    |      |
| 103   | Layer   | Mid greyish brown clayey silt       |                           | 220            |                    |      |
| 104   | Layer   | Orange sandy silt                   |                           | 160            |                    |      |
| 105   | Layer   | Mid brownish grey silty clay        |                           | -              |                    |      |




Sondage at western end of trench 1a

| <b>Trench 1b</b>  |             |                                       |                       |                       |                       |
|---|-------------|---------------------------------------|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions</b>                 |                       |                       |                       |
|   |             | <b>Width</b>                          | 1.8                   | <b>Length</b>         | 50.0                  |
|   |             | <b>Depth</b>                          | 0.50                  | <b>Level (top)</b>    |                       |
|   |             | <b>NGR Co-ordinates</b>               |                       |                       |                       |
|   |             | TL 49232 77314 (W)                    |                       | TL 49283 77300 (E)    |                       |
| <b>Orientation</b>  |             | ESE-WNW                               |                       |                       |                       |
| <b>Reason for Trench</b>  |             | Proposed water pipeline evaluation.   |                       |                       |                       |
| <b>Context</b>  | <b>Type</b> | <b>Description and Interpretation</b> | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 150   | Topsoil     | Mid brownish grey topsoil             |                       | 500                   |                       |
| 151   | Subsoil     | Mid brownish orange silty clay        |                       | 200                   |                       |
| 152   | Layer       | Light brown sandy clay                |                       | 500                   |                       |
| 153   | Cut         | Sub-circular pit.                     |                       | -                     |                       |
| 154   | Fill        | Fill of [153]. Mid brown organic silt |                       | 400                   |                       |
| 153   | Layer       | Greyish orange sandy silt             |                       | 100                   |                       |
| 154   | Layer       | Mid reddish brown sandy silt          |                       | 100                   |                       |
| 155   | Layer       | Light greyish brown clayey silt       |                       | -                     |                       |




Sondage at western end of trench 1b

| <b>Trench 2</b>   |             |                                       |                       |                       |                       |
|---|-------------|---------------------------------------|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions (m)</b>             |                       |                       |                       |
|   |             | <b>Width</b>                          | 1.8                   | <b>Length</b>         | 100                   |
|   |             | <b>Depth</b>                          | 0.50                  | <b>Level (top)</b>    |                       |
|   |             | <b>NGR Co-ordinates</b>               |                       |                       |                       |
|   |             | TL 49431 77350 (W)                    |                       | TL 49504 77413 (E)    |                       |
| <b>Orientation</b>  |             | SW-NE                                 |                       |                       |                       |
| <b>Reason for Trench</b>  |             | Proposed water pipeline evaluation.   |                       |                       |                       |
| <b>Context</b>  | <b>Type</b> | <b>Description and Interpretation</b> | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 200   | Topsoil     | Mid greyish brown topsoil.            |                       | 450                   |                       |
| 201   | Subsoil     | Mid greyish brown silty clay          |                       | 100                   |                       |
| 202   | Layer       | Mid greyish yellow silty clay         |                       | 200                   |                       |
| 203   | Layer       | Mid greyish orange silty clay.        |                       | 300                   |                       |
| 204   | Layer       | Mid grey clay.                        |                       | -                     |                       |




Sondage at western end of trench 2

| <b>Trench 3a</b>  |             |                                       |                       |                       |                       |
|---|-------------|---------------------------------------|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions (m)</b>             |                       |                       |                       |
|   |             | <b>Width</b>                          | 1.8                   | <b>Length</b>         | 51.0                  |
|   |             | <b>Depth</b>                          | 0.55                  | <b>Level (top)</b>    |                       |
|   |             | <b>NGR Co-ordinates</b>               |                       |                       |                       |
|   |             | TL 49583 77462 (W)                    |                       | TL 49632 77479 (E)    |                       |
| <b>Orientation</b>  |             | ENE-WSW                               |                       |                       |                       |
| <b>Reason for Trench</b>  |             | Proposed water pipeline evaluation.   |                       |                       |                       |
| <b>Context</b>  | <b>Type</b> | <b>Description and Interpretation</b> | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 300   | Topsoil     | Mid brownish grey topsoil.            |                       | 300                   |                       |
| 301   | Subsoil     | Mid brown organic silt                |                       | 100                   |                       |
| 302   | Layer       | Light greyish yellow silty clay       |                       | 80                    |                       |
| 303   | Layer       | Mid greyish orange sandy clay.        |                       | 120                   |                       |
| 304   | Layer       | Mid brownish grey clay.               |                       | 500                   |                       |
| 305   | Layer       | Mid blueish grey clay                 |                       | -                     |                       |




Sondage at western end of trench 3a

| <b>Trench 3b</b>  |             |                                       |                       |                       |                       |
|---|-------------|---------------------------------------|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions (m)</b>             |                       |                       |                       |
|   |             | <b>Width</b>                          | 1.8                   | <b>Length</b>         | 49.0                  |
|   |             | <b>Depth</b>                          | 0.50                  | <b>Level (top)</b>    |                       |
|   |             | <b>NGR Co-ordinates</b>               |                       |                       |                       |
|   |             | TL 49708 77539 (W)                    | TL 49753 77557 (E)    |                       |                       |
| <b>Orientation</b>  |             | SW-NE                                 |                       |                       |                       |
| <b>Reason for Trench</b>  |             | Proposed water pipeline evaluation.   |                       |                       |                       |
| <b>Context</b>  | <b>Type</b> | <b>Description and Interpretation</b> | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 350   | Topsoil     | Mid brownish grey topsoil.            |                       | 350                   |                       |
| 351   | Subsoil     | Mid greyish brown organic silt        |                       | 100                   |                       |
| 352   | Layer       | Light yellowish grey silty clay       |                       | 100                   |                       |
| 353   | Layer       | Mid greyish orange sandy clay.        |                       | 200                   |                       |
| 354   | Layer       | Mid brownish grey clay.               |                       | 300                   |                       |
| 355   | Layer       | Mid blueish grey clay                 |                       | -                     |                       |




Sondage at eastern end of trench 3b

| <b>Trench 4</b>   |         |                                     |                |                    |                |
|---|---------|-------------------------------------|----------------|--------------------|----------------|
|  |         | Max Dimensions (m)                  |                |                    |                |
|   |         | <b>Width</b>                        | 1.8            | <b>Length</b>      | 100            |
|   |         | <b>Depth</b>                        | 0.45           | <b>Level (top)</b> |                |
|   |         | NGR Co-ordinates                    |                |                    |                |
|   |         | TL 49836 77604 (W)                  |                | TL 49912 77666 (E) |                |
| <b>Orientation</b>  |         | SW-NE                               |                |                    |                |
| <b>Reason for Trench</b>  |         | Proposed water pipeline evaluation. |                |                    |                |
| Context   | Type    | Description and Interpretation      | Max Width (mm) | Max Thckn (mm)     | Depth BGL (mm) |
| 400   | Topsoil | Mid brownish grey topsoil.          |                | 350                |                |
| 401   | Subsoil | Mid greyish brown clayey silt       |                | 100                |                |
| 402   | Subsoil | Mid brownish grey clay.             |                | 50                 |                |
| 403   | Layer   | Orange clay with iron pan.          |                | 150                |                |
| 404   | Layer   | Mid yellowish brown clay.           |                | 200                |                |
| 405   | Layer   | Mid orange grey silty clay.         |                | 100                |                |
| 406   | Layer   | Mid blueish grey clay. Natural.     |                | -                  |                |



Sondage at western end of trench 4


| <b>Trench 5a</b>  |             |  |                       |                       |                       |
|---|-------------|--|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions (m)</b>                          |                       |                       |                       |
|   |             | <b>Width</b>                                       | 1.8                   | <b>Length</b>         | 49.0                  |
|   |             | <b>Depth</b>                                       | 0.60                  | <b>Level (top)</b>    |                       |
|   |             | <b>NGR Co-ordinates</b>                            |                       |                       |                       |
|   |             | TL 50031 77699 (W)                                 | TL 50080 77712 (E)    |                       |                       |
| <b>Orientation</b>  |             | ENE-WSW  |                       |                       |                       |
| <b>Reason for Trench</b>  |             | Proposed water pipeline evaluation.                |                       |                       |                       |
| <b>Context</b>  | <b>Type</b> | <b>Description and Interpretation</b>              | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 500   | Topsoil     | Brownish black ploughsoil                          |                       | 400                   |                       |
| 501   | Subsoil     | Dirty orange/grey/brown clay silt, some peat bands |                       | 80                    |                       |
| 502   | Layer       | Orangeish grey clay, some iron pan                 |                       | 50                    |                       |
| 503   | Layer       | Greyish orange sandy clay.                         |                       | 200                   |                       |
| 504   | Layer       | Light greyish brown clay                           |                       | 250                   |                       |
| 502   | Layer       | Dark blueish grey clay                             |                       | -                     |                       |

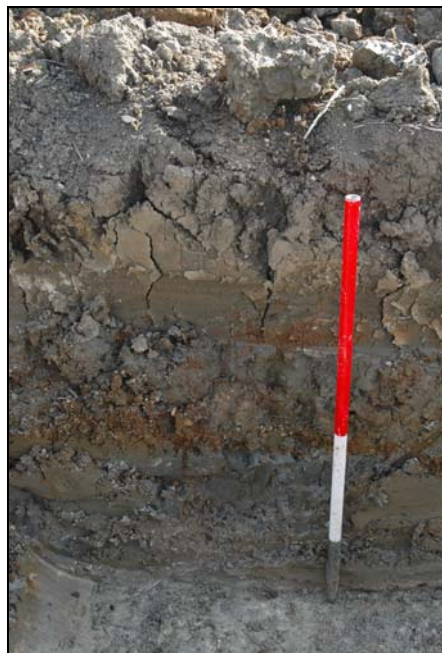


Sondage at eastern end of trench 5a

| <b>Trench 5b</b>         |             |                                       |                       |                       |                       |
|--------------------------|-------------|---------------------------------------|-----------------------|-----------------------|-----------------------|
|                          |             | <b>Max Dimensions (m)</b>             |                       |                       |                       |
|                          |             | <b>Width</b>                          | 1.8                   | <b>Length</b>         | 49.0                  |
|                          |             | <b>Depth</b>                          | 0.50                  | <b>Level (top)</b>    |                       |
|                          |             | <b>NGR Co-ordinates</b>               |                       |                       |                       |
|                          |             | TL 50137 77709 (W)                    |                       | TL 50189 77696 (E)    |                       |
| <b>Orientation</b>       |             | ESE-WNW                               |                       |                       |                       |
| <b>Reason for Trench</b> |             | Proposed water pipeline evaluation.   |                       |                       |                       |
| <b>Context</b>           | <b>Type</b> | <b>Description and Interpretation</b> | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 550                      | Topsoil     | Brownish black silty topsoil          |                       | 300                   |                       |
| 551                      | Subsoil     | Dirty orange/grey/brown clay          |                       | 200                   |                       |
| 552                      | Natural     | Waterlogged orange grey clay          |                       | -                     |                       |





| <b>Trench 6a</b>  |                           |  |                       |                       |                       |
|---|---------------------------|--|-----------------------|-----------------------|-----------------------|
|  | <b>Max Dimensions (m)</b> |  |                       |                       |                       |
|   | <b>Width</b>              | 1.8  | <b>Length</b>         | 100                   |                       |
|   | <b>Depth</b>              | 0.45   | <b>Level (top)</b>    |                       |                       |
|   | <b>NGR Co-ordinates</b>   |  |                       |                       |                       |
|   |                           |  |                       | TL 50378 77706 (W)    |                       |
| <b>Orientation</b>  |                           | ENE-WSW  |                       |                       |                       |
| <b>Reason for Trench</b>  |                           | Proposed water pipeline evaluation.              |                       |                       |                       |
| <b>Context</b>  | <b>Type</b>               | <b>Description and Interpretation</b>            | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 601   | Topsoil                   | Light brownish grey topsoil                      |                       | 300                   |                       |
| 602   | Subsoil                   | Dirty orange/grey/brown mottled silty clay       |                       | 300                   |                       |
| 603   | Layer                     | Dark blueish grey clay                           |                       | 300                   |                       |
| 604   | Layer                     | Light grey clay, some occasional lenses of sand. |                       | -                     |                       |





Sondage at eastern end of trench 6a


| <b>Trench 6b</b>         |             |  |                       |                       |                       |
|--------------------------|-------------|--|-----------------------|-----------------------|-----------------------|
|                          |             | <b>Max Dimensions (m)</b>                                      |                       |                       |                       |
|                          |             | <b>Width</b>   | 1.8                   | <b>Length</b>         | 33.0                  |
|                          |             | <b>Depth</b>   | 0.35                  | <b>Level (top)</b>    |                       |
|                          |             | <b>NGR Co-ordinates</b>  |                       |                       |                       |
|                          |             | TL 50443 77715 (SW)  |                       | TL 50475 77721 (NE)   |                       |
| <b>Orientation</b>       |             | ENE-WSW  |                       |                       |                       |
| <b>Reason for Trench</b> |             | Proposed water pipeline evaluation.                            |                       |                       |                       |
| <b>Context</b>           | <b>Type</b> | <b>Description and Interpretation</b>                          | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 650                      | Topsoil     | Black topsoil  |                       | 350                   |                       |
| 651                      | Layer       | Yellowish brown silty clay, possibly filling a hollow, modern. |                       | -                     |                       |
| 652                      | Natural     | Brownish orange to grey clay                                   |                       | -                     |                       |


| <b>Trench 7</b>  |             |                                       |                           |                       |                       |     |
|--|-------------|---------------------------------------|---------------------------|-----------------------|-----------------------|-----|
|  |             |                                       | <b>Max Dimensions (m)</b> |                       |                       |     |
|  |             |                                       | <b>Width</b>              | 1.8                   | <b>Length</b>         | 100 |
|  |             |                                       | <b>Depth</b>              | 0.45                  | <b>Level (top)</b>    |     |
|  |             |                                       | <b>NGR Co-ordinates</b>   |                       |                       |     |
|  |             |                                       | TL 50583 77784 (SW)       | TL 50661 77844 (NE)   |                       |     |
| <b>Orientation</b>   |             | NE-SW                                 |                           |                       |                       |     |
| <b>Reason for Trench</b>   |             | Proposed water pipeline evaluation.   |                           |                       |                       |     |
| <b>Context</b>   | <b>Type</b> | <b>Description and Interpretation</b> | <b>Max Width (mm)</b>     | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |     |
| 700  | Topsoil     | Mid reddish brown plough soil         |                           | 350                   |                       |     |
| 701  | Subsoil?    | Dirty reddish orange silty clay       |                           | 100                   |                       |     |
| 702  | Natural     | Mid greyish orange clay               |                           | -                     |                       |     |
| 703  | Layer       | Colluvium at SW end of trench         |                           | -                     |                       |     |

| <b>Trench 8</b>  |             |   |                       |                       |                       |
|--|-------------|---|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions (m)</b>   |                       |                       |                       |
|  |             | <b>Width</b>  | 1.8                   | <b>Length</b>         | 100                   |
|  |             | <b>Depth</b>  | 0.40                  | <b>Level (top)</b>    |                       |
|  |             | <b>NGR Co-ordinates</b>   |                       |                       |                       |
|  |             | TL 50775 77913 (W)  | TL 50865 77952 (E)    |                       |                       |
| <b>Orientation</b>   |             | NE-SW   |                       |                       |                       |
| <b>Reason for Trench</b>   |             | Proposed water pipeline evaluation.   |                       |                       |                       |
| <b>Context</b>   | <b>Type</b> | <b>Description and Interpretation</b>   | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 801  | Topsoil     | Mid brown plough soil   |                       | 300                   |                       |
| 802  | Subsoil?    | Dirty orange brown silty clay   |                       | 100                   |                       |
| 803  | Natural     | Orange/ yellowish grey clay   |                       | -                     |                       |
| 804  | Cut         | Post-hole? 0.15m diameter   |                       | -                     |                       |
| 805  | Fill        | Yellowish brown silty clay  |                       | 40                    |                       |
| 806  | Cut         | Post-hole? 0.2m diameter  |                       | -                     |                       |
| 807  | Fill        | Yellowish brown silty clay, frequent burnt clay lumps, one small sherd of blue & white china. |                       | 150                   |                       |

| <b>Trench 9</b>  |             |                                       |                       |                       |                       |
|--|-------------|---------------------------------------|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions (m)</b>             |                       |                       |                       |
|  |             | <b>Width</b>                          | 1.8                   | <b>Length</b>         | 100                   |
|  |             | <b>Depth</b>                          | 0.40                  | <b>Level (top)</b>    |                       |
|  |             | <b>NGR Co-ordinates</b>               |                       |                       |                       |
|  |             | TL 51045 77993 (SW)                   | TL 50949 77981 (NE)   |                       |                       |
| <b>Orientation</b>   |             | ENE-WSW                               |                       |                       |                       |
| <b>Reason for Trench</b>   |             | Proposed water pipeline evaluation.   |                       |                       |                       |
| <b>Context</b>   | <b>Type</b> | <b>Description and Interpretation</b> | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 900  | Topsoil     | Mid reddish Brown plough soil         |                       | 300                   |                       |
| 901  | Layer       | Modern rubble. SW end of trench       |                       | 100                   |                       |
| 902  | Subsoil?    | Dirty orange brown silty clay         |                       | 100                   |                       |
| 903  | Natural     | Orange brown sandy clay               |                       | -                     |                       |


| <b>Trench 10</b>   |             |  |                       |                       |                       |
|--|-------------|--|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions (m)</b>                            |                       |                       |                       |
|  |             | <b>Width</b>   | 1.8                   | <b>Length</b>         | 100                   |
|  |             | <b>Depth</b>   | 0.50 - 0.8            | <b>Level (top)</b>    |                       |
|  |             | <b>NGR Co-ordinates</b>                              |                       |                       |                       |
|  |             | TL 51374 78018 (SW)                                  | TL 51281 78007 (NE)   |                       |                       |
| <b>Orientation</b>   |             | E-W  |                       |                       |                       |
| <b>Reason for Trench</b>   |             | Proposed water pipeline evaluation.                  |                       |                       |                       |
| <b>Context</b>   | <b>Type</b> | <b>Description and Interpretation</b>                | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 1000   | Topsoil     | Dark brown plough soil                               |                       | 500                   |                       |
| 1001   | Layer       | Modern rubble. Eastern end of trench.                |                       | 100                   |                       |
| 1002   | Subsoil?    | Dirty orange brown silty clay                        |                       | 200                   |                       |
| 1003   | Natural     | Orange brown silty clay some areas of blue grey clay |                       | -                     |                       |


| <b>Trench 11</b>   |             |                                       |                       |                       |                       |
|--|-------------|---------------------------------------|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions (m)</b>             |                       |                       |                       |
|  |             | <b>Width</b>                          | 1.8                   | <b>Length</b>         | 100                   |
|  |             | <b>Depth</b>                          | 0.40                  | <b>Level (top)</b>    |                       |
|  |             | <b>NGR Co-ordinates</b>               |                       |                       |                       |
|  |             | TL 51125 78008 (W)                    | TL 51217 78000 (E)    |                       |                       |
| <b>Orientation</b>   |             | E-W                                   |                       |                       |                       |
| <b>Reason for Trench</b>   |             | Proposed water pipeline evaluation.   |                       |                       |                       |
| <b>Context</b>   | <b>Type</b> | <b>Description and Interpretation</b> | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 1100   | Topsoil     | Dark greyish brown plough soil        |                       | 300                   |                       |
| 1101   | Subsoil?    | Dirty orange brown sand silt          |                       | 100                   |                       |
| 1102   | Natural     | Yellowish orange sandy clay gravel    |                       | -                     |                       |


| <b>Trench 12</b>   |         |  |                     |                    |                |
|--|---------|--|---------------------|--------------------|----------------|
|  |         | <b>Max Dimensions (m)</b>                                |                     |                    |                |
|  |         | <b>Width</b>   | 1.8                 | <b>Length</b>      | 100            |
|  |         | <b>Depth</b>   | 0.60                | <b>Level (top)</b> |                |
|  |         | <b>NGR Co-ordinates</b>                                  |                     |                    |                |
|  |         | TL 51487 78038 (SW)                                      | TL 51526 78152 (NE) |                    |                |
| <b>Orientation</b>   |         | NNE-SSW  |                     |                    |                |
| <b>Reason for Trench</b>   |         | Proposed water pipeline evaluation.                      |                     |                    |                |
| Context  | Type    | Description and Interpretation                           | Max Width (mm)      | Max Thckn (mm)     | Depth BGL (mm) |
| 1200   | Topsoil | Mid reddish brown organic silt                           |                     | 450                |                |
| 1201   | Subsoil | Dirty orange brown sandy silt                            |                     | 150                |                |
| 1202   | Natural | Mid orangeish brown clayey sand                          |                     | -                  |                |
| 1203   | Cut     | Linear ditch   |                     | -                  |                |
| 1204   | Fill    | Secondary fill of [1203]. Light reddish brown silty clay |                     | 300                |                |
| 1205   | Fill    | Primary fill of [1203]                                   |                     | 600                |                |
| 1206   | Cut     | Linear ditch   |                     | -                  |                |
| 1207   | Fill    | Primary fill of [1206]. Dark brown clayey silt.          |                     | 400                |                |
| 1208   |         | Secondary fill of [1208]. Light yellowish brown clay     |                     | 400                |                |
| 1209   | Cut     | Cut at terminal end of ditch. Same as [1206]             |                     | -                  |                |
| 1210   | Fill    | Fill of [1206]. Same as (1207). Dark brown clayey silt.  |                     | 400                |                |
| 1211   | Cut     | Linear ditch.  |                     | -                  |                |
| 1212   | Fill    | Fill of [1212]. Mid greyish brown sandy silt.            |                     | 300                |                |
| 1213   | Cut     | Curvi-linear ditch                                       |                     | -                  |                |





|      |      |  |  |     |  |
|------|------|--|--|-----|--|
| 1214 | Fill | Fill of [1213]. Mid reddish brown clayey silt                |  | 250 |  |
| 1215 | Cut  | Linear ditch   |  | -   |  |
| 1216 | Fill | Mid greyish brown clayey silt.                               |  | 300 |  |
| 1217 | Cut  | Linear ditch   |  | -   |  |
| 1218 | Fill | Primary fill of [1217]. Mid reddish brown sandy silt         |  | 100 |  |
| 1219 | Fill | Secondary fill of [1217]. Mid greyish brown clayey silt.     |  |     |  |
| 1220 | Cut  | Sub-circular pit ?. Partially revealed under limit of trench |  |     |  |
| 1221 | Fill | Fill of [1220]. Mid reddish brown sandy silt.                |  |     |  |
| 1222 | Cut  | Sub-circular pit ?. Partially revealed under limit of trench |  |     |  |
| 1223 | Fill | Fill of [1222]. Mid reddish brown sandy silt.                |  |     |  |
| 1224 | Cut  | Cut of slot/gully.   |  |     |  |
| 1225 | Fill | Fill of [1224]. Mid reddish brown sandy silt                 |  |     |  |
| 1226 | Cut  | Cut of post hole / pit                                       |  |     |  |
| 1227 | Fill | Fill of [1226]. Mid reddish brown sandy silt                 |  |     |  |


| <b>Trench 13</b>   |             |                                       |                       |                       |                       |
|--|-------------|---------------------------------------|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions (m)</b>             |                       |                       |                       |
|  |             | <b>Width</b>                          | 1.8                   | <b>Length</b>         | 100                   |
|  |             | <b>Depth</b>                          | 0.50                  | <b>Level (top)</b>    |                       |
|  |             | <b>NGR Co-ordinates</b>               |                       |                       |                       |
|  |             | TL 51550 78181 (SW)                   | TL 51606 78270 (NE)   |                       |                       |
| <b>Orientation</b>   |             | ENE-WSW                               |                       |                       |                       |
| <b>Reason for Trench</b>   |             | Proposed water pipeline evaluation.   |                       |                       |                       |
| <b>Context</b>   | <b>Type</b> | <b>Description and Interpretation</b> | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 1300   | Topsoil     | Dark greyish brown plough soil        |                       | 350                   |                       |
| 1301   | Subsoil?    | Dirty orange brown silty clay         |                       | 150                   |                       |
| 1302   | Natural     | Orange brown sandy clay some gravel   |                       | -                     |                       |
| 1303   | Cut         | Linear gully/ditch                    |                       | -                     |                       |
| 1304   | Fill        | Fill of [1303]. Mid brown silty clay  |                       | 200                   |                       |


| <b>Trench 14</b>   |             |   |                       |                       |                       |
|--|-------------|---|-----------------------|-----------------------|-----------------------|
|  |             | <b>Max Dimensions (m)</b>                   |                       |                       |                       |
|  |             | <b>Width</b>                                | 1.8                   | <b>Length</b>         | 100                   |
|  |             | <b>Depth</b>                                | 0.5                   | <b>Level (top)</b>    |                       |
|  |             | <b>NGR Co-ordinates</b>                     |                       |                       |                       |
|  |             | TL 51655 78358 (SW)                         | TL 51686 78445 (NE)   |                       |                       |
| <b>Orientation</b>   |             | NNE-SSW                                     |                       |                       |                       |
| <b>Reason for Trench</b>   |             | Proposed water pipeline evaluation.         |                       |                       |                       |
| <b>Context</b>   | <b>Type</b> | <b>Description and Interpretation</b>       | <b>Max Width (mm)</b> | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |
| 1400   | Layer       | Dark greyish brown plough soil re-deposited |                       | 350                   |                       |
| 1401   | Subsoil?    | Dirty orange brown silty clay               |                       | 150                   |                       |
| 1402   | Natural     | Yellowish orange sandy clay                 |                       | -                     |                       |

| <b>Trench 15</b>   |          |   |                     |                     |                    |     |
|--|----------|---|---------------------|---------------------|--------------------|-----|
|  |          |   | Max Dimensions      |                     |                    |     |
|  |          |   | <b>Width</b>        | 1.8                 | <b>Length</b>      | 100 |
|  |          |   | <b>Depth</b>        | 0.60                | <b>Level (top)</b> |     |
|  |          |   | NGR Co-ordinates    |                     |                    |     |
|  |          |   | TL 51742 78542 (SW) | TL 51798 78624 (NE) |                    |     |
| <b>Orientation</b>   |          | ENE-WSW                                     |                     |                     |                    |     |
| <b>Reason for Trench</b>   |          | Proposed water pipeline evaluation.         |                     |                     |                    |     |
| Context  | Type     | Description and Interpretation              | Max Width (mm)      | Max Thckn (mm)      | Depth BGL (mm)     |     |
| 1500   | Layer    | Dark greyish brown plough soil re-deposited |                     | 250                 |                    |     |
| 1501   | Layer    | Modern rubble                               |                     | 200                 |                    |     |
| 1502   | Subsoil? | Dirty brownish orange silty clay            |                     | 150                 |                    |     |
| 1503   | Natural  | Orange yellow clayey sand                   |                     | -                   |                    |     |

| <b>Trench 16</b>   |          |   |                     |                  |                |     |
|--|----------|---|---------------------|------------------|----------------|-----|
|  |          |   | Max Dimensions      |                  |                |     |
|  |          |   | Width               | 1.8              | Length         | 100 |
|  |          |   | Depth               | 0.45             | Level (top)    |     |
|  |          |   | NGR Co-ordinates    |                  |                |     |
|  |          |   | TL 51837 78691 (SW) | 51870 78780 (NE) |                |     |
| Orientation  |          | NNE-SSW   |                     |                  |                |     |
| Reason for Trench  |          | Proposed water pipeline evaluation.                 |                     |                  |                |     |
| Context  | Type     | Description and Interpretation                      | Max Width (mm)      | Max Thckn (mm)   | Depth BGL (mm) |     |
| 1601   | Topsoil  | Mid reddish brown plough soil                       |                     | 300              |                |     |
| 1602   | Layer    | Modern rubble                                       |                     | 100              |                |     |
| 1603   | Subsoil? | Dirty yellowish brown sandy clay silt               |                     | 50               |                |     |
| 1604   | Natural  | Yellowish brown sandy clay silt                     |                     | -                |                |     |
| 1605   | Cut      | Curvi-linear gully/ditch                            |                     | -                |                |     |
| 1606   | Fill     | Primary fill of [1605]. Reddish grey silty clay     |                     | 200              |                |     |
| 1607   | Fill     | Secondary fill of [1605]. Greyish brown silty clay  |                     | 100              |                |     |
| 1608   | Cut      | Ditch   |                     | -                |                |     |
| 1609   | Fill     | Fill of ditch. Pale yellowish brown sandy clay silt |                     | 200              |                |     |

| <b>Trench 17a</b>  |             |                                       |                         |                       |                       |    |
|--|-------------|---------------------------------------|-------------------------|-----------------------|-----------------------|----|
|  |             |                                       | <b>Max Dimensions</b>   |                       |                       |    |
|  |             |                                       | <b>Width</b>            | 1.8                   | <b>Length</b>         | 35 |
|  |             |                                       | <b>Depth</b>            | 0.50                  | <b>Level (top)</b>    |    |
|  |             |                                       | <b>NGR Co-ordinates</b> |                       |                       |    |
|  |             |                                       | TL 51909 78812 (SW)     | TL 51932 78842 (NE)   |                       |    |
| <b>Orientation</b>   |             | ENE-WSW                               |                         |                       |                       |    |
| <b>Reason for Trench</b>   |             | Proposed water pipeline evaluation.   |                         |                       |                       |    |
| <b>Context</b>   | <b>Type</b> | <b>Description and Interpretation</b> | <b>Max Width (mm)</b>   | <b>Max Thckn (mm)</b> | <b>Depth BGL (mm)</b> |    |
| 1700   | Topsoil     | Dark greyish brown plough soil        |                         | 300                   |                       |    |
| 1701   | Layer       | Modern rubble                         |                         | 150                   |                       |    |
| 1702   | Subsoil?    | Dirty orange brown sandy clay         |                         | 50                    |                       |    |
| 1703   | Natural     | Orange brown sandy clay               |                         | -                     |                       |    |

| <b>Trench 17b</b>  |          |                                     |                    |                |                |
|--|----------|-------------------------------------|--------------------|----------------|----------------|
|  |          | Max Dimensions                      |                    |                |                |
|  |          | Width                               | 1.8                | Length         | 63             |
|  |          | Depth                               | 0.60               | Level (top)    |                |
|  |          | NGR Co-ordinates                    |                    |                |                |
|  |          | TL 51966 78859 (W)                  | TL 52027 78879 (E) |                |                |
| Orientation  |          | E-W                                 |                    |                |                |
| Reason for Trench  |          | Proposed water pipeline evaluation. |                    |                |                |
| Context  | Type     | Description and Interpretation      | Max Width (mm)     | Max Thckn (mm) | Depth BGL (mm) |
| 1750   | Topsoil  | Dark greyish brown plough soil      |                    | 300            |                |
| 1751   | Layer    | Layer of asphalt                    |                    | 200            |                |
| 1752   | Subsoil? | Dirty orange brown sandy silt       |                    | 100            |                |
| 1753   | Natural  | Orange brown sandy silt             |                    | -              |                |

| <b>Trench 18</b>   |         |   |                     |                |                |
|--|---------|---|---------------------|----------------|----------------|
|  |         | Max Dimensions  |                     |                |                |
|  |         | Width   | 1.8                 | Length         | 100            |
|  |         | Depth   | 0.55                | Level (top)    |                |
|  |         | NGR Co-ordinates  |                     |                |                |
|  |         | TL 520383 78942 (SW)  | TL 52128 79029 (NE) |                |                |
| Orientation  |         | NNE-SSW   |                     |                |                |
| Reason for Trench  |         | Proposed water pipeline evaluation.   |                     |                |                |
| Context  | Type    | Description and Interpretation  | Max Width (mm)      | Max Thckn (mm) | Depth BGL (mm) |
| 1800   | Topsoil | Dark greyish brown plough soil  |                     | 300            |                |
| 1801   | Subsoil | Reddish brown sandy silt  |                     | 250            |                |
| 1802   | Fill    | Reddish brown fine silt deposit, filling a hollow towards the NE end of the trench. |                     | -              |                |
| 1803   | Natural | Orange brown sandy clay   |                     | -              |                |



## Appendix 2: Excavation Summary Tables

### Plan Register

| Sheet No | Drawing No | Scale | Details                |
|----------|------------|-------|------------------------|
| 1        | 1          | 1:100 | Trench 12 and features |
| 1        | 2          | 1:100 | Trench 13 and feature  |
| 1        | 3          | 1:100 | Trench 16 and features |

### Section Register

| Sheet No | Drawing No | Scale | Contexts            |
|----------|------------|-------|---------------------|
| 1        | 1          | 1:10  | [1203] (1204, 1205) |
| 1        | 2          | 1:10  | [1206] (1207, 1208) |
| 1        | 3          | 1:10  | [1209] (1210)       |
| 1        | 4          | 1:10  | [1211] (1212)       |
| 1        | 5          | 1:10  | [1213] (1214)       |
| 1        | 6          | 1:10  | [1215] (1216)       |
| 1        | 7          | 1:10  | [1217] (1218, 1219) |
| 1        | 8          | 1:10  | [1220] (1221)       |
| 1        | 9          | 1:10  | [1222] (1223)       |
| 1        | 10         | 1:10  | [1224] (1225)       |
| 1        | 11         | 1:10  | [1226] (1227)       |
| 1        | 12         | 1:10  | [1605] (1606, 1607) |
| 1        | 13         | 1:10  | [1608] (1609)       |

### Bulk Finds Register

| Context | Pottery |        | Bone |        | Flint | Shell | Stone | Other |          |
|---------|---------|--------|------|--------|-------|-------|-------|-------|----------|
|         | No.     | Wt (g) | No.  | Wt (g) | No.   | Wt(g) | No.   | type  | No/Wt(g) |
| 1204    | 16      | 102    |      |        |       |       |       |       |          |
| 1207    | 85      | 775    |      |        |       |       |       |       |          |
| 1208    | 2       | 57     |      |        |       |       |       |       |          |
| 1210    | 21      | 228    |      |        |       |       |       |       |          |
| 1211    | 3       | 40     |      |        |       |       |       |       |          |
| 1225    | 10      | 70     |      |        |       |       |       |       |          |
| 1227    | 1       | 23     |      |        |       |       |       |       |          |
| 1606    | 51      | 330    |      |        |       |       |       |       |          |
| 1607    | 5       | 39     |      |        |       |       |       |       |          |
| 1609    | 27      | 202    |      |        |       |       |       |       |          |

### Sample Register

| Sample No | Context No | Sample Type                                | Quantity   |
|-----------|------------|--|------------|
| 1         | 1609       | Bulk sample of ditch fill [1608]           | 16 litres  |
| 2         | 1218       | Bulk sample of ditch fill [1217]           | 9 litres   |
| 3         | 1207       | Bulk sample of secondary ditch fill [1206] | 20 litres  |
| 4         | 1208       | Bulk sample of primary ditch fill [1206]   | 7 litres   |
| 5         | 154        | Bulk sample of pit fill [153]              | 8 litres   |
| 6         | 807        | Bulk sample of post hole [806]             | 1.5 litres |

### Appendix 3: Finds Concordance

| Context | Pottery |     | Bone |     | Flint<br>(no) | Shell<br>(g) | Stone<br>(no) | Other Finds |      |
|---------|---------|-----|------|-----|---------------|--------------|---------------|-------------|------|
|         | (no)    | (g) | (no) | (g) |               |              |               | Type        | (no) |
| 1204    | 16      | 102 |      |     |               |              |               |             |      |
| 1207    | 85      | 775 |      |     |               |              |               |             |      |
| 1208    | 2       | 57  |      |     |               |              |               |             |      |
| 1210    | 21      | 228 |      |     |               |              |               |             |      |
| 1211    | 3       | 40  |      |     |               |              |               |             |      |
| 1225    | 10      | 70  |      |     |               |              |               |             |      |
| 1227    | 1       | 23  |      |     |               |              |               |             |      |
| 1606    | 51      | 330 |      |     |               |              |               |             |      |
| 1607    | 5       | 39  |      |     |               |              |               |             |      |
| 1609    | 27      | 202 |      |     |               |              |               |             |      |

## Appendix 4: List of Photographs

| SITE NAME: Ely – Haddenham Pipeline ,Cambridgeshire |     |       |         | SITE NO/CODE: 737/EHP  |
|---|-----|-------|---------|--|
| Shot  | B&W | Slide | Digital | Subject  |
| 1   | ✓   |       | ✓       | General working shot.  |
| 2   | ✓   |       | ✓       | General working shot.  |
| 3   | ✓   |       | ✓       | General working shot.  |
| 4   | ✓   |       | ✓       | Trench 18 facing NE.   |
| 5   | ✓   |       | ✓       | Trench 17b facing ENE.   |
| 6   | ✓   |       | ✓       | Trench 17a facing NE.  |
| 7   | ✓   |       | ✓       | Trench 16 facing NNE.  |
| 8   | ✓   |       | ✓       | Trench 15 facing NE.   |
| 9   | ✓   |       | ✓       | Trench 14 facing NNE.  |
| 10  | ✓   |       | ✓       | Trench 13 facing NE.   |
| 11  | ✓   |       | ✓       | Trench 12 facing NNE.  |
| 12  | ✓   |       | ✓       | Trench 11 facing ENE.  |
| 13  | ✓   |       | ✓       | Trench 10 facing E.  |
| 14  | ✓   |       | ✓       | Trench 9 facing ENE.   |
| 15  | ✓   |       | ✓       | Trench 8 facing NE.  |
| 16  | ✓   |       | ✓       | Trench facing ENE.   |
| 17  | ✓   |       | ✓       | Curvilinear gully [1605]   |
| 18  | ✓   |       | ✓       | Ditch [1203]   |
| 19  | ✓   |       | ✓       | Post hole [804]  |
| 20  | ✓   |       | ✓       | Post hole [806]  |
| 21  | ✓   |       | ✓       | Ditches [1206] and [1211]  |
| 22  | ✓   |       | ✓       | Ditch [1304]   |
| 23  | ✓   |       | ✓       | Section through ditch [1206], facing SSW.  |
| 24  | ✓   |       | ✓       | Plan shot of extended area of trench around ditch [1206] showing section [1209]                        |
| 25  | ✓   |       | ✓       | Plan shot of extended area at southwestern end of trench 12 showing features [1217, 1220, 1222, 1226]. |
| 26  | ✓   |       | ✓       | Plan shot of features [1217, 1220, 1222, 1226].  |
| 27  | ✓   |       | ✓       | Trench 1a facing E.  |
| 28  | ✓   |       | ✓       | Trench 1b facing E.  |
| 29  | ✓   |       | ✓       | Pit [153] facing N.  |
| 30  | ✓   |       | ✓       | Trench 1b facing E.  |
| 31  | ✓   |       | ✓       | Trench 2 facing NE.  |
| 32  | ✓   |       | ✓       | Trench 3a facing E.  |
| 33  | ✓   |       | ✓       | Trench 3b facing SE.   |
| 34  | ✓   |       | ✓       | Trench 4 facing SE.  |
| 35  | ✓   |       | ✓       | View across Grunty Fen facing NW   |
| 36  | ✓   |       | ✓       | Trench 5b facing NE  |
| 37  | ✓   |       | ✓       | Trench 6a facing ENE   |
| 38  | ✓   |       | ✓       | Trench 6b facing NE  |
| 39  | ✓   |       | ✓       | Curvilinear gully [1213] facing N.   |
| 40  | ✓   |       | ✓       | Section through ditch [1217], facing N.  |
| 41  | ✓   |       | ✓       | Sondage section east end of Trench 1a  |
| 42  | ✓   |       | ✓       | Sondage section west end of Trench 1a  |
| 43  | ✓   |       | ✓       | Sondage section east end of Trench 1b  |
| 44  | ✓   |       | ✓       | Sondage section west end of Trench 1b  |
| 45  | ✓   |       | ✓       | Sondage section east end of Trench 2   |

|    |   |  |   |                                       |
|----|---|--|---|---------------------------------------|
| 46 | ✓ |  | ✓ | Sondage section west end of Trench 2  |
| 47 | ✓ |  | ✓ | Sondage section east end of Trench 3a |
| 48 | ✓ |  | ✓ | Sondage section west end of Trench 3b |
| 49 | ✓ |  | ✓ | Sondage section east end of Trench 4  |
| 50 | ✓ |  | ✓ | Sondage section east end of Trench 5a |
| 51 | ✓ |  | ✓ | Sondage section west end of Trench 5a |
| 52 | ✓ |  | ✓ | Sondage section east end of Trench 5b |
| 53 | ✓ |  | ✓ | Sondage section west end of Trench 5b |
| 54 | ✓ |  | ✓ | Sondage section east end of Trench 6a |
| 55 | ✓ |  | ✓ | Sondage section west end of Trench 6a |

## Appendix 5: Specialist Reports

### The Roman Pottery by A. R. Fawcett

#### Introduction

This report primarily provides dating evidence for each context that contained pottery from the evaluation work on the Ely to Haddenham pipeline in Cambridgeshire. Dating is based (where applicable) upon both the identification of fabric and form. Thereafter the report contains a brief summary of the results of analysis and recommendations for further research.

The assemblage from each context was given a brief examination and subjected to basic quantification (a sherd count and weight per context). No attempt at detailed fabric description or comparison with material of a similar nature has been undertaken. A date range is provided for each fill and where appropriate comments are made as to the condition of the pottery. Other data, such as obvious fabrics and form types, are also included for each context (the keys for these are listed below).

#### Fabric & Form Key

**UNS OX** = Unsourced oxidised ware, **BSW** = Black surfaced/Romanising grey ware, **GRS** = Unsourced sandy grey ware, **UNS GT** = Unsourced grog tempered ware, **UNS SO** = Unsourced sand and organic tempered ware, **UNS FT** = Unsourced flint tempered ware, **UNS ST** = Unsourced coarse sand tempered ware  
G = jar, ND = non-diagnostic, *italics* = uncertainty, very = very abraded, abr = abraded, sli = slightly abraded.

#### Conclusion

A total of 221 sherds with a weight of 1866g were recovered from the evaluation. The condition of the pottery may be described as between abraded and slightly abraded. All of the fabrics encountered represent localised production, some of which appear to be hand-made, however the diagnostic element of the assemblage is low.

The site lies outside of the main 'grog tempering' zone and sandy fabrics dominate during the late Iron Age and early Roman period. It is therefore difficult, without a detailed fabric analysis and a larger form assemblage, to be sure which side of the conquest period some of the fabrics belong. Nevertheless the site as whole is dated from the late Iron Age to *c* AD70; the best assemblage occurring in trench 12. The only identified form on the site is recorded in context (1207), a carinated jar with cordon and bulge decoration. Contexts (1218) and (1227) both contain sherds that indicate possible earlier Iron Age activity on the site.

Until further work is completed on the site it would be difficult to glean further information from this current assemblage. Nonetheless the majority of the pottery is certainly in its original place of deposition and likely represents low status rural activity.

#### Select Bibliography

Fawcett, A. R., 2000a *The Roman Pottery from Lancaster Way Business Park, Ely, Cambridgeshire* Hertfordshire Archaeological Trust Evaluation Report Hat 456.

Fawcett, A. R., 2000b *The Roman Pottery from West End, Haddenham, Cambridgeshire* Hertfordshire Archaeological Trust Evaluation Report Hat 453.

Thompson, I., 1982 *Grog-tempered 'Belgic' Pottery of South-eastern England Parts I, II & III* BAR British Series 108.

**Pottery Catalogue****Trench 12*****Ditch [1203]***

|   |    |      |              |
|---|----|------|--------------|
| 1204 Roman & Medieval<br>BSW, GRS, UNS OX | 16 | 102g | B, G abr-sli |
|---|----|------|--------------|

***Ditch [1206, 1209]***

|   |    |      |                   |
|---|----|------|-------------------|
| 1207 LIA to c AD70<br>UNS OX, UNS GT, BSW | 85 | 775g | Gcar/c&b, Gx3 sli |
| 1208 Roman<br>GRS                         | 2  | 57g  | Gst abr           |
| 1210 LIA to c AD70<br>UNS OX, UNS GT, BSW | 21 | 228g | Gx1 abr-sli       |

***Ditch [1217]***

|                                   |   |     |         |
|-----------------------------------|---|-----|---------|
| 1211 IA<br>UNS ST, UNS FT, UNS OT | 3 | 40g | ND, sli |
|-----------------------------------|---|-----|---------|

***Gully/ditch [1224]***

|                                |    |     |             |
|--------------------------------|----|-----|-------------|
| 1225 Roman<br>UNS OX, GRS, BSW | 10 | 70g | ND, abr-sli |
|--------------------------------|----|-----|-------------|

***Post hole/pit [1226]***

|                   |   |     |         |
|-------------------|---|-----|---------|
| 1227 IA<br>UNS FT | 1 | 23g | ND, sli |
|-------------------|---|-----|---------|

**Trench 16*****Curvi-linear gully/ditch [1605]***

|                                   |    |      |           |
|-----------------------------------|----|------|-----------|
| 1606 MIA to LIA<br>UNS SO         | 51 | 330g | G/Urn sli |
| 1607 LIA to c AD70<br>UNS OX, BSW | 5  | 39g  | ND, sli   |

***Ditch [1608]***

|  |    |      |         |
|--|----|------|---------|
| 1609 Roman (early)<br>GRS, BSW, UNS OX | 27 | 202g | ND, sli |
|--|----|------|---------|

\*\*\*\*\*END\*\*\*\*\*

## Environmental Archaeology Assessment

### Introduction

During the construction of the Ely-Haddenham water pipeline, Archaeological Services and Consultancy Ltd conducted an archaeological evaluation, which revealed a series of ditches, pits and postholes dating to the Iron Age/Romano-British periods. A total of six environmental bulk-soil samples were taken and submitted to the Environmental Archaeology Consultancy for processing and assessment (Table 1).

**Table 1:** Ely-Haddenham Pipeline – 737/EHP. Samples taken for environmental assessment

| Sample no. | Context | Area      | Sample vol. in L. | Sample wt. in kg | Description/Provisional Interpretation | Provisional date |
|------------|---------|-----------|-------------------|------------------|--|------------------|
| 1          | 1609    | Trench 16 | 16                | 17               | Fill of ditch [1608]                   | IA/ROM           |
| 2          | 1218    | Trench 12 | 9                 | 9                | Fill of ditch [1217]                   | IA/RB            |
| 3          | 1207    | Trench 12 | 20                | 22               | Secondary fill of ditch [1206]         | IA/RB            |
| 4          | 1208    | Trench 12 | 7                 | 8                | Primary fill of ditch [1206]           | IA/RB            |
| 5          | 154     | Trench 1b | 8                 | 8                | Fill of pit [153]                      | Modern?          |
| 6          | 807     | Trench 8  | 1.5               | 1.5              | Fill of posthole [?806]                | Modern?          |

### Methods

The soil samples were processed in the following manner. Sample volume and weight was measured prior to processing. The samples were washed in a 'Siraf' tank (Williams 1973) using a flotation sieve with a 0.5mm mesh and an internal wet sieve of 1mm mesh for the residue. Both the residues and flots were dried and the residues subsequently re-floated to ensure the efficient recovery of charred material. The dry volume of the flots was measured and the volume and weight of the residue recorded. A total of 61.5 litres of soil was processed in this way.

The residue was sorted by eye, and environmental and archaeological finds picked out, noted on the assessment sheet and bagged independently. A magnet was run through each residue in order to recover magnetised material such as hammerscale and prill but none was recovered. The residue was then discarded. The flot of each sample was studied using x10 magnifications and the presence of environmental finds (i.e. snails, charcoal, carbonised seeds, bones etc) was noted and their abundance and species diversity recorded on the assessment sheet. The flots were then bagged and along with the finds from the sorted residue, constitute the material archive of the samples.

The individual components of the samples were then preliminarily identified and the results are summarised below in Tables 2 and 3.

### Results

The samples washed down to leave residues ranging in volume between 20 and 900 millilitres, which comprise of angular flint, rounded pebbles, rounded chalk, limestone, sandstone, ironstone, sediment concretions, fossil shell fragments and coarse sand. The archaeological finds include small quantities of magnetised sediment and ironstone, nineteen sherds of pottery, very small quantities of animal bone and fired earth as well as two pieces of (worked?) flint. With the exception of the concentration of fired earth recovered from sample 6, the majority of the archaeological finds are associated with the Iron Age/Romano-British deposits, notably 1207 (sample 3).

**Table 2.** Ely-Haddenham Pipeline - 737/EHP. Archaeological finds from processed samples.

| Sample | Context | Feature type        | Vol. in L. | Residue vol. in ml | Pot No/wt g. | Magnetic wt. g. | Hamm 'scale | Flint No. | Fired earth wt. g. | Bone wt g. | Comment                |
|--------|---------|---------------------|------------|--------------------|--------------|-----------------|-------------|-----------|--------------------|------------|------------------------|
| 1      | 1609    | Ditch fill          | 16         | 700                | 5/2          | 1               | -           |           |                    | <1         | A little fuel ash slag |
| 2      | 1218    | Ditch fill          | 9          | 250                | ?2/1.5       | <1              | -           |           |                    | 1          |                        |
| 3      | 1207    | Secondaryditch fill | 20         | 900                | 12/14        | 2               | -           |           | 1.5                | 9          |                        |
| 4      | 1208    | Primary ditch fill  | 7          | 400                |              | <1              | -           | 2         |                    | 2          |                        |
| 5      | 154     | Pit fill            | 8          | 20                 |              |                 | -           |           |                    |            | Mortar?                |
| 6      | 807     | Posthole fill       | 1.5        | 50                 |              | 2               | -           |           | 30                 |            |                        |

\* - count/weight of pot

**Table 3.** Ely-Haddenham Pipeline – 737/EHP. Environmental finds from processed samples.

| Samp | Cont | Vol. in L. | Flot Vol in ml. | Char-coal \$ | Char'd grain * | Char'd chaff * | Char'd seed * | Snail * | Egg shell wt.g | Comment  |
|------|------|------------|-----------------|--------------|----------------|----------------|---------------|---------|----------------|--|
| 1    | 1609 | 16         | 12.5            | 1/2          | 1              | 2              | 2             | 5       |                | Wheat/barley, wheat chaff, indet. chaff, dock?, spike-rush, sedge family, rodent.<br><i>Helicella itala</i> , <i>Vallonia costata</i> , <i>V. excentrica</i> , <i>Pupilla muscorum</i> , <i>Trichia hispida</i> , <i>Vertigo pygmaea</i> , <i>Cochlicopa</i> sp., <i>Carychium</i> sp., <i>Lymnaea truncatula</i> , <i>Punctum pygmaeum</i> , <i>Aegopinella pura</i> , <i>Oxychilus cellarius</i> , <i>Cepaea</i> , sp., <i>Planorbis leucostoma</i>                  |
| 2    | 1218 | 9          | 2               | 2/3          | 1              | 1              | 1             | 2       |                | Wheat, wheat chaff, sedge, lamb, bank vole.<br><i>Vallonia costata</i> , <i>V. excentrica</i> , <i>P. muscorum</i> , <i>T. hispida</i> , <i>Carychium</i> sp., <i>L. truncatula</i> , <i>Valvata cristata</i>  |
| 3    | 1207 | 20         | 3               | 2/3          | 2              | 1              | 2             | 3       | ?              | Wheat, barley, wheat chaff, vetch/vetchling, black bindweed, cleavers, brome?, grass family, spike-rush, sedge, sheep/goat, house mouse, field vole, shrew, vole, snake, frog/toad, small bird, small fish vertebrum.<br><i>V. excentrica</i> , <i>V. costata</i> , <i>P. muscorum</i> , <i>V. pygmaea</i> , <i>T. hispida</i> , <i>Cochlicopa</i> sp., <i>Cecilioides acicula</i> , <i>A. pura</i> , <i>O. cellarius</i> , <i>Carychium</i> sp., <i>L. truncatula</i> |
| 4    | 1208 | 7          | 3               | 1/2          | 1              | 1              | 1             | 2       |                | Indet. cereal, wheat chaff, small leguminous seed, grass family, sheep/goat, cattle, field vole.<br><i>V. excentrica</i> , <i>V. costata</i> , <i>V. pygmaea</i> , <i>P. muscorum</i> , <i>T. hispida</i> , <i>P. pygmaeum</i> , <i>Cepaea nemoralis</i> , <i>Cochlicopa</i> sp., <i>Carychium</i> sp., <i>Aegopinella nitidula</i> , <i>A. pura</i> , <i>L. truncatula</i> , <i>P. leucostoma</i>   |
| 5    | 154  | 8          | 3.5             | 2/3          | 1              |                | 1             | 1       |                | Indet. cereal & seed, wood?<br><i>V. excentrica</i> , <i>Carychium</i> sp., <i>L. truncatula</i>   |
| 6    | 807  | 1.5        | 1               | 1/2          |                |                |               |         |                |  |

\* = abundance: 1=1-10, 2=11-50, 3=51-150, 4=151-250, 5=250+; \$ = abundance &gt;2mm/abundance &lt; 2mm



The animal bones include fragments of sheep/goat, cattle, house mouse, field vole, bank vole, small bird, small fish, snake and frog or toad. Bone density is fairly low, but the presence of house mouse in ditch fill 1207 suggests habitation nearby.

Charred plant remains have been recovered from five of the six samples and consist of very small numbers of cereal grain, chaff and weed seeds. The state of preservation of the remains is variable ranging from the survival of very fragile awn fragments, to the corroded state of some grains, which prevent identifications beyond genus to be made. Where preservation permitted, grains of wheat were identified in two samples, one of which has been provisionally identified as emmer wheat (*Triticum* cf. *dicocum* (Schrank.) Schübl). There is a trace of barley in ditch fill 1207 and, due to their corroded appearance, grains recorded as ‘wheat/barley’ (*Triticum/Hordeum* spp.) have been identified in ditch fill 1609. Wheat chaff of a glume wheat species, such as emmer or spelt wheat (*Triticum spelta* L.), is present in all of the Iron Age/Romano-British deposits. Of particular note are the survival of a small number of awn fragments recovered from ditch fill 1609 (sample1), although it is not certain at this stage of assessment which species of cereal they belong to.

The weed seed assemblages are small and include species associated with disturbed or arable ground, such as dock? (cf. *Rumex* spp.), vetch/vetchling (*Vicia/Lathyrus* spp.), black bindweed (*Polygonum convolvulus* L.), cleavers (*Galium aparine* L.) and brome? (cf. *Bromus* spp.). Other damp or wet habitats are indicated by the presence of spike-rush (*Eleocharis* spp.) and sedges (*Carex* spp.). The wild (weed) species identified are generally represented by one or two seeds only and provide extremely limited environmental and economic evidence.

Charcoal is ubiquitous, although very fragmented and in very small quantities and does not warrant further analysis.

One of the richest category of finds are the terrestrial snails. These occur in all samples except posthole fill 807, which produced very little material; other than fired earth. The snails are dominated by shells of taxa associated with open country and grassland environments or catholic in habit, *Vallonia excentrica*, *V. costata*, *Pupilla muscorum* and *Vertigo pygmaea*, but there are indications of damp ground with the presence of *Carychium* sp. and *Lymnaea truncatula*. The presence of *Planorbis leucostoma* suggests that the ditches were seasonally wet. A few shells of taxa more typical of shaded habitats also occur.

## Discussion

The artefacts and ecofacts are concentrated to the four Iron Age/Romano-British deposits, particularly ditch fill 1207 (sample 3). Crop processing residues appear to have been incorporated into ditch fills 1609 and 1207, but in such small quantities that drawing direct interpretations as to which stages of crop processing are represented, or broader issues regarding economy, is problematic.

Samples 5 and 6 failed to produce any evidence for their age.

## Conclusion

Low levels of domestic residues have been incorporated into the Iron Age/Romano-British ditch fills with the greatest concentration in ditch fill 1207 which may indicate the close proximity of a settlement, supported by the occurrence of house mouse.

Limited further work would be needed on these samples to complete their analysis. However with the survival of animal bones, snails and charred plant remains it is clear that the archaeological deposits in this part of the pipeline route have some environmental potential and if further archaeological work is envisaged then a programme of sampling should be instituted.

### **Acknowledgments**

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### **Bibliography**

Cameron, R.A.D. and Redfern, M. 1976 *British Land Snails*. Linnean Soc. Synopses of the British Fauna No. 6

Evans, J.G. 1972 *Lands Snails in Archaeology*, Academic Press

Macan, T.T. 1977 *A Key to the British Fresh- and Brackish-water Gastropods*. FBA Scientific Publication No. 13.

Williams, D.1973 Flotation at Siraf, *Antiquity*, 47, 198-202

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The Environmental Archaeology Consultancy

**Appendix 6: ASC OASIS Form**

| PROJECT DETAILS  |   |           |  |           |                                   |          |
|--|---|-----------|--|-----------|-----------------------------------|----------|
| Project Name:  | Ely – Haddenham Pipeline, Cambridgeshire  |           |  |           |                                   |          |
| Short Description:   | Evaluation trenches along the route of a replacement water main revealed RB ditches and pits located at the centre of the disused Witchford Airfield. |           |  |           |                                   |          |
| Project Type:<br>(indicate all that apply)   | DBA   | FW        | Geophys  | Survey    | Bldg Rec                          | Post-Exc |
|  | WB  | Strip&Rec | Trenching  | Test pits | Exc                               | Other    |
| Site status:<br>(eg. none, SAM, Listed)  | None  |           | Previous work:<br>(eg. SMR refs)                           |           | None                              |          |
| Current land use:  | Arable  |           | Future work:<br>(yes / no / unknown)                       |           | Yes                               |          |
| Monument type:   | -   |           | Monument period:   |           | -                                 |          |
| Significant finds:<br>(artefact type & period)   | Mid Iron Age pot sherds. Late Iron Age pot sherds. Early Romano-British pot sherds  |           |  |           |                                   |          |
| PROJECT LOCATION   |   |           |  |           |                                   |          |
| County:  | Cambridgeshire  |           | OS reference:<br>(to at least 8 figures)                   |           | TL 49061 77317 – TL52134<br>79041 |          |
| Site address:<br>(with postcode if known)  |   |           |  |           |                                   |          |
| Study area:<br>(sq. m. or ha)  |   |           | Height OD:<br>(metres)                                     |           | 0m – 15m                          |          |
| PROJECT CREATORS   |   |           |  |           |                                   |          |
| Organisation:  | Archaeological Services & Consultancy Ltd   |           |  |           |                                   |          |
| Project brief originator:  | A Thomas  |           | Project design originator:                                 |           | T Hawtin and C Rouse              |          |
| Project Manager:   | D Fell  |           | Director/Supervisor:                                       |           | N Wilson                          |          |
| Sponsor / funding body:  | Anglian Water Ltd   |           |  |           |                                   |          |
| PROJECT DATE   |   |           |  |           |                                   |          |
| Start date:  | March 2006  |           | End date:  |           | March 2006                        |          |
| PROJECT ARCHIVES   |   |           |  |           |                                   |          |
|  | Location (Accession no.)  |           | Content (eg. pottery, animal bone, files/sheets)           |           |                                   |          |
| Physical:  | Cambridgeshire<br>Archaeological Store  |           | Pottery, animal bone, record sheets ,photo negatives       |           |                                   |          |
| Paper:   | Cambridgeshire<br>Archaeological Store  |           | Recording sheets, project design, evaluation report        |           |                                   |          |
| Digital:   | Cambridgeshire<br>Archaeological Store  |           | Photos, evaluation report, project design, sections, plans |           |                                   |          |
| BIBLIOGRAPHY (Journal/monograph, published or forthcoming, or unpublished client report) |   |           |  |           |                                   |          |
| Title:   | Archaeological Evaluation:<br>Ely WT to Haddenham WT<br>Water Main Cambridgeshire   |           |  |           |                                   |          |
| Serial title & volume:   | -   |           |  |           |                                   |          |
| Author(s):   | A J Hancock   |           |  |           |                                   |          |
| Page nos   | 1 - 57  |           | Date:  |           |                                   |          |