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**WJ COURTAULD HOSPITAL** London Road, Braintree, Essex

HN1063

ARCHAEOLOGICAL EVALUATION REPORT

## THE HERITAGE NETWORK LTD

Registered with the Institute of Field Archaeologists as an Archaeological Organisation

Archaeological Director: David Hillelson, BAMIFA

# WILLIAM JULIEN COURTAULD HOSPITAL London Road, Braintree, Essex

Project ref.: HN1063 LPA ref.: 12/00585/OUT Site code: BT49 Accession no.: BRNTM:2013.349

Archaeological Evaluation

Prepared on behalf of Croudace Homes Ltd

by

Helen Ashworth BA (Hons) AIFA

Report no. 824

October 2013

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The cover illustration shows the site looking east

# **Acknowledgements**

The fieldwork for this project was carried out by Greg Jones, Robin Densem and James Snee. The report text and illustrations were prepared by Helen Ashworth and edited by David Hillelson.

The Heritage Network would like to express its thanks to Liam Chapman of Croudace Homes and Teresa O' Connor of the Historic Environment Team, Essex County Council, for their co-operation and assistance in the execution of this project.

# **Summary**

Site name and address:	William Julien Courtaulo	d Hospital, London Road, Br	raintree, Essex, CM7 2LJ					
County:	Essex	District:	Braintree District Council					
Village/town:	Braintree	Parish:	Braintree					
Planning reference:	12/00585/OUT	NGR:	TL 75298 22647					
Client name and address:	Croudace Homes Ltd, Th	ne Spirella Building, Bridge	Road, Letchworth, SG6 4ET					
Nature of work:	Field evaluation	Previous land use:	Hospital grounds					
Site Status:	None	Reason for investigation:	Direction of local planning authority (NPPF)					
Position in planning process:	Post Determination (as a condition)	Project brief originator:	Local authority					
Size of affected area:	c. 10820m <sup>2</sup>	680m²						
Site code:	BT49	Museum accession no.:	BRNTM:2013.349					
Organisation:	Heritage Network	Site Director:	David Hillelson					
Project type, methods etc.:	Field evaluation	Archive Recipient:	Braintree Museum					
Start of work:	13/08/2013	Finish of work:	28/08/2013					
Related HER nos:	EHER 15642	Periods represented	Late IA; RB; post-med; modern					
OASIS UID:	heritage1-148268	Significant finds:	Pottery, tile, brick, slag					
<b>Monument types:</b>	Pit, gully, trackway, pone	d, wall						
Physical archive:	Pottery, tile, brick, slag,	animal bone, clay pipe						
Previous summaries/reports:	Clarke, R. 2011 William Julien Courtauld Hospital, Braintree, Essex: Desk-based Assessment and Monitoring of Two Infiltration Pits. Oxford Archaeology East Report no.1234							

#### **Synopsis:**

As the result of a condition on the planning permission for the redevelopment of the William Julien Courtauld Hospital, London Road, Braintree, Essex, the Heritage Network was commissioned by the developers to undertake a programme of archaeological evaluation.

Trial trenches demonstrated that the western half of the site had been subject to significant terracing and modern disturbance, associated with the construction of the hospital. This was particularly evident in Trenches 5 and 6. Despite this, a number of features of late Iron Age, Roman and post-medieval date survive on the site.

Evidence for late Iron Age and Roman activity was recorded from four trenches in the north-eastern quadrant of the site (Trenches 6, 8a, 10 and 11). The pottery recovered from the features and deposits in this area suggest domestic activity of early Roman date along the London Road, which may have extended to the west in the later Roman period.

Evidence for post-medieval activity was encountered in the western and southern parts of the site. The remains of a possible quarry was encountered at the northern end of Trench 2, but no such feature is marked on the maps consulted for the desk-based assessment, suggesting that it may pre-date the late 18th century. Other features encountered appear to represent ponds and boundaries recorded on 19th century mapping.

The remains of the post-medieval farmhouse that preceded the hospital on the site, were encountered in the northern half of Trench 11, close to London Road. This is represented on maps dating from at least the early 19th century. The building was clearly cellared, two walls of which were revealed in the south facing trench section.

On the basis of the results of the evaluation, the risk that the proposed development could disturb archaeological remains of significance may be considered to be High for the late Iron Age, Roman, Medieval and post-medieval periods, particularly at the eastern end of the site.

## 1. Introduction

- 1.1 This report has been prepared at the request of Croudace Homes Ltd, to cover a programme of archaeological work carried out as part of proposed development at William Julien Courtauld Hospital, London Road, Braintree, Essex.
- 1.2 Outline planning permission for the development (ref: 12/00585/OUT) was granted by Braintree District Council (BDC), subject to an archaeological condition issued under the guidance given in the Department of Communities and Local Government's National Planning Policy Framework (NPPF). The extent of the present work was defined in a brief for Archaeological Trial Trenching at William Julien Courtauld Hospital, London Road, Braintree produced by the Historic Environment Team (HET) of Essex County Council, acting as archaeological advisers to BDC (ref: TOC 18/04/2013). A full specification for the investigation was contained in the Heritage Network's approved Project Design, dated June 2013.
- 1.3 The site of the present investigation is the former William Julien Courtauld Hospital which closed in 2011. It is located in the south-western outskirts of Braintree town centre, and is centred on NGR TL 75307 22648. The proposed development is bounded to the north by the Flitch Way, the former route of the Braintree to Great Dunmow railway, to the east by London Road, and to the south by residential properties fronting onto London Road and Walnut Grove.
- 1.4 An archaeological desk based assessment (Oxford Archaeology East 2011) was provided with the application for planning permission, and this included the results from test pitting on the site. The site lies in an area of known Iron Age and Roman activity, with the Roman town of Braintree lying to the north, and London Road probably following the route of a Roman road. Finds of pottery, tile and slag, suggested that Roman remains survive on the site. In addition, the buildings of the William Julien Courtauld hospital, erected in 1920-21, are considered to be of local historic importance.
- 1.5 The development comprises the demolition of the existing buildings and the erection of 29 dwellings with associated garages, access, services and landscaping.

## 2. Fieldwork

#### TOPOGRAPHY AND GEOLOGY

- 2.1 Braintree lies in the valley of the Rivers Pant and Brain, tributaries of the River Blackwater. The underlying geology of the area consists of sand and gravel of the Kesgrave Catchment Subgroup overlying clay, silt and sand of the London Clay Formation (www.bgs.ac.uk/geologyofbritain).
- 2.2 As the present site is located in an urban environment the soils have not been surveyed. However, the surrounding soils are derived from the Ludford Association (571x) described as Well drained fine loamy, coarse loamy and sandy soils, locally flinty and in places over gravel. Slight risk of water erosion (SSEW 1983).

#### **METHODOLOGY**

- 2.3 All fieldwork was carried out in accordance with the approved Project Design, current health and safety legislation, and the appropriate IFA and ALGAO guidance documents.
- 2.4 The trenches were located by triangulation from known points using fibreglass tape measures. They were opened using a tracked 360-degree digger fitted with a 2m wide toothless ditching bucket and machined to the first significant archaeological horizon, or to the natural geological horizon, as appropriate. Spoil from the machining was inspected for archaeological artefacts.
- 2.5 The trenches were cleaned by hand, and any potential archaeological features and deposits were sampled to ascertain their nature, depth, date, and quality of preservation.
- 2.6 All identified contexts were photographed and recorded using the appropriate proforma. Plans were drawn on drafting film at a scale of 1:20, and sections at a scale of 1:10.

#### **RESULTS**

2.7 Thirteen trenches were excavated across the site, giving a coverage of 680m², a sample of approximately 6.25% of the area affected by the development groundworks.

#### Stratigraphy

2.8 The overburden across the site comprised 1.0m of dark grey (7.5YR 4/1) clayey sandy silt makeup. Below this was reddish yellow (7.5YR 7/8) natural sand and gravel.

#### Trench 1

2.9 Trench 1 was located on the eastern side of the site, in front of the main hospital building and along the London Road frontage (Figure 2). It was aligned north-east to southwest and measured 25m in length, 2m in width and was excavated to a maximum depth of 1.60m.

- 2.10 The stratigraphy revealed in the trench sections comprised a layer of dark grey sandy silt topsoil with frequent roots and pebbles, with a maximum depth of 1.60m. This overlay the natural yellow sand and gravel.
- 2.11 Trench 1 was relocated, with the agreement of the HET, from the north-western corner of the site, in order to avoid disturbing local badger setts.

Trench 1 data:

Length (m):	25	Width (m):	2		Maximum Depth (m):	1.60	Orientat	ion	N	E-SW
Level at NE	End of Tro	ench	Top	60.61	Level at SW End of		Tuonah (mOD)		Top	61.14
(mOD)			Base	59.46	Level at SW	Ena oi	i rench (m	(UU)	Base	59.79
Comtont	Т			Daganindi			D	imen	sions (r	n)
Context	Type		Description				Length	W	idth	Depth
-	Layer		equent pebbles.						2	1.6
101	Cut				the trench. Pr se not reached		4.3	> 1	1.83	>0.35
102	Fill	_ ,	ark greyish brown (10YR 4/2) friable slightly lty sand with frequent gravel. Fill of [101].						1.83	>0.35
-	Layer	Yellow (2.: below the t		3) sand and	l gravel natura	ıl,	25		2	-

2.12 The natural sand and gravel was cut by a large irregular feature [101], with undercut sides, in the centre of the trench (Figure 3, Plate 1). This contained fill (102), a dark greyish brown silty sand with frequent gravel (Plate 2). Finds of post-medieval date, including four sherds of red earthenware pottery and a number of clay pipe fragments were recovered from this fill. Residual finds included a sherd of late medieval green-glazed pottery and a sherd of Romano-British greyware.

- 2.13 Trench 2 was located on the north-western side of the site (Figure 2). It was aligned north-east to south-west and measured 25m in length, 2m in width and was excavated to a maximum depth of 1.20m.
- 2.14 The stratigraphy revealed in the trench sections comprised a layer of mid greyish brown sandy silt topsoil, 0.20m in depth. Below this was a layer of mixed greyish brown and brown clayey sandy silt subsoil, 0.40m in depth, which overlay the brown sandy silty clay natural. Patches of sand and gravel were also noted within the natural clay.

Trench 2 data

Length (m):	25	Width (m):		2	Maximum Depth (m):	1.20	Orientat	ion	N	IE-SW	
Level at NE	<b>End of Tre</b>	nch	Top	63.05	I aval at CW	Trongh (mOD)		Top	63.20		
(mOD)			Base	62.09	Level at SW End of Trench (			OD)	Base	62.18	
Context	Tymo			Dosavinti	on		Dimensions (m)				
Context	Type			Descripti	OII		Length	Wi	idth	Depth	
-	Laver		eyish brown (10YR 5/2) silty sand topsoil, with oderate pebbles.						2	0.20	

Length (m):	25	Width (m):		2	Maximum Depth (m):	1.20	Orientat	ion	N	E-SW
Level at NE	End of Tro	ench	Тор	63.05	Level at SW	End of T	rench (m	OD)	Top	63.20
(mOD)		1	Base	62.09					Base	62.18
Context	Type			Description	on		Length		sions (n idth	n) Depth
-	Layer	<b>~</b> .		`	5/2) and brow frequent pebb	'n	25		2	0.40
201	Cut		val qua		s sides. Probab se not reached.		> 9.8	> 2		> 0.90
202	Fill	containing	frequen	t ash and p	/2) firm silty soebbles and Fill of [201].	sand	> 9.8	>	> 2	> 0.90
203	Cut	_	able pos	t-medieval	g sides and fla quarry pit see				6	0.45
204	Fill	~ .		`	/2) clayey sandavel. Fill of [20	•			6	0.45
-	Layer			•	al with occasion of sand and g		25		2	-

- 2.15 Two features, of probable post-medieval date, were recorded in the trench (Figure 3). Cut [201], which measured over 9m in length, over 2m in width and over 0.90m in depth, was located at the north-eastern end of the trench (Plate 3). It had sloping sides and contained fill (202), a dark greyish brown silty sand (Plate 4). Finds recovered from this fill include two sherds of post-medieval pottery and a brick fragment. No large features, such as quarries or extraction pits, are marked on the site in the 19<sup>th</sup> or 20<sup>th</sup> centuries, suggesting that this feature may predate the 19<sup>th</sup> century.
- 2.16 A second smaller feature was noted in the south-east facing section at the south-western end of the trench, approximately 3.5m to the south of [201]. This contained fill (204), a clayey sandy silt. Finds recovered from this feature comprise two tile fragments, one of which is a modern glazed wall tile, marked A. Johnson on the rear. The other dates to the Roman period and is likely to be residual in this feature. This may represent the field boundary shown on the 1<sup>st</sup> edition OS map of 1875 (Clarke 2011, Figure 7a).

- 2.17 Trench 3 was located towards the north-western corner of the site, to the east of Trench 2 (Figure 2). It was aligned north-east to south-west and measured 25m in length, 2m in width and 1.2m in depth.
- 2.18 The stratigraphy revealed in the trench sections comprised a layer of dark greyish brown silty sand topsoil, 0.20m in depth, above a mid greyish brown clayey silty sand subsoil, up to 0.60m in depth. This overlay the natural, which consisted of reddish brown sand and gravel with bands of red clay.

Trench 3 data

Length (m):	25	Width (m):		2	Maximum Depth (m):	1.20	Orientat	ion	N	IE-SW
Level at NE	End of Tr	ench	Top	62.91	Level at SW	End of	Trench (m	OD)	Top	62.91
(mOD)			Base	62.60	Ecver at 5 vv	Liiu oi	Trenen (m	(D)	Base	61.96
Context	Type			Descripti	on.	_	D	imen	sions (1	m)
Context	1 ype			Descripti	OII		Length	$\mathbf{W}$	idth	Depth
-	Layer	Dark greyi with mode		•	1/2) silty sand	topsoil,	25		2	0.20
-	Layer	Greyish bro			25		2	0.60 max		
301	Layer	Dark greyi sand with of former tops	occasion	nal pebbles		> 1	> 2		> 0.20	
302	Layer	Yellowish frequent pe	brown ( bbles. I	(10YR 5/6) interpreted	sandy silty cl as redeposited	-	> 1	>	> 2	> 0.50
303	Cut	Sub-circula	atural used as a make up deposit  ub-circular feature, recorded in plan. Possible pit or planting tree or shrub. Cuts (302) and contains  c.2  c.2							
304	Fill		c.2 coose black (10YR 2/1) peaty sandy silt, with oots and occasional gravel. Fill of [303]							-
-	Layer	Reddish br of red clay.		nd & grave	el natural, with	bands	25		2	-

2.19 A single cut feature, [303], was recorded at the northern end of the trench (Figure 4, Plate 5). This appears to represent a pit dug to plant a tree or shrub. Two deposits of material associated with the terracing of the site, layers (301) and (302) were also encountered in the northern half of the trench.

- 2.20 Trench 4 was located in the northern half of the site, within the former hospital car park to the east of Trench 3 (Figure 2). It was aligned north-east to south-west and measured 25m in length, 2m in width and 1.20m in depth.
- 2.21 The stratigraphy revealed in the trench sections comprised a layer of tarmac and hardcore, 0.30m in depth, above a dark greyish brown sandy clayey silt topsoil, with occasional pebbles, up to 0.60m in depth. Below this was a greyish brown sandy clayey silt subsoil, 0.40m in depth, which overlay the yellowish brown sandy clayey silt natural.

Trench 4 data

Length (m):	25	Width (m):		7	Maximum Depth (m):	1.20	Orientat	ion	N	E-SW
Level at NE	End of Tre	nch	Top	61.86	I areal of CVV	E-J cf	Cuanah (m	OD)	Top	61.62
(mOD)			Base	60.76	Level at SW End of Trench (mOD)				Base	61.10
Contout		Description				Dimensions (m)				
Context	Type			Descripti	UII		Length	W	idth	Depth
-	Layer	Tarmac and	d hardco	ore			25		2	0.30
-	Layer	Dark greyis with occasi		`	/2) silty sand	topsoil,	7.82		2	0.40

Length (m):	25	Width (m):		7	Maximum Depth (m):	1.20	Orientat	ion	N	E-SW
Level at NE	<b>End of Tre</b>	nch	Top	61.86	Lovel of SW	End of	Tranch (m	(U)	Top	61.62
(mOD)			Base	60.76	Level at SW End of Trench (mO				Base	61.10
Comtont	Т			Daganindi			Dimensions			n)
Context	Context Type			Description				W	idth	Depth
-	Layer		rish brown (10YR 5/2) clayey silty sand oil, with frequent pebbles.						2	0.40
-	Layer	Yellowish l natural, wit			sandy clayey nd gravel.	silt	25		2	-

2.22 No features or deposits of archaeological significance were encountered in this trench (Figure 4, Plate 6).

#### Trench 5

- 2.23 Trench 5 was located in the southern half of the site, to the west of the main hospital block and south of Trenches 3 and 4 (Figure 2). It was aligned north-west to south-east and measured 25m in length, 2m in width and 1.20m in depth. The trench was located in an area of terracing and was significantly lower at the south-eastern end (Figure 5).
- 2.24 The stratigraphy revealed in the trench sections comprised a layer of dark greyish brown sandy silt topsoil, with frequent gravel, up to 0.40m in depth. This overlay the yellowish brown silty sand and gravel natural.

Trench 5 data

Length (m):	25	Width (m):		2	Maximum Depth (m):	1.20	Orientat	ion	N	IW-SE	
Level at NW	End of Tr	ench	Top	62.19	Level at SE I	End of T	Trongh (m	) )	Top	60.66	
(mOD)			Base	61.76	Level at SE 1	LIIU OI I	Tenen (inc	(ענ	Base	59.48	
Context	Typo			Descripti	on		D	imen	sions (m)		
Context	Type			Descripti	OII		Length	W	idth	Depth	
-	Layer	Dark greyi frequent gr		n (10YR 4	4/2) sandy silt,	with	25		2	0.40	
501	Cut	& NW side	not exp	posed. Cor	eply on SE sid ntains (502). Po n post-medieva	ossibly	> 3.5	^	> 2	> 0.55	
502	Fill			,	R 3/6) sand wit al flint cobbles		> 3.5	>	> 2	> 0.55	
503	Cut	Irregular fe	eature to	N of [501	]. Contains (5	04).	4	3	>2	>0.35	
504	Fill			`	R 4/6) slightly fill of [503].	clayey	4	;	>2	>0.35	
505	Layer	Black (10Y charcoal	<sup>7</sup> R 2/1)	soft sandy	silt with frequ	ent	2.2	2		0.06	
-	Layer	Yellowish natural	brown (	10YR 5/6)	silty sand and	l gravel	25		2	-	

2.25 Two large irregular features, cuts [501] and [503], were encountered towards the south-eastern end of the trench (Figure 5, Plates 7-9). Both were aligned approximately north – south and may have formed part of the pond, marked on maps from at least 1814 (Clarke 2011, Figures 4-9). The earlier mapping appears to show a large water filled feature with a line

across the centre, possibly marking a bridge or causeway. By 1875 the southern end had apparently been backfilled, but the feature appears to have been enlarged between 1878 and 1897 (ibid, Figures 7-8). A number of post-medieval tile fragments were recovered from the fills of both features.

#### Trench 6

- 2.26 Trench 6 was located in the centre of the site, between the two hospital buildings and to the east of Trench 4 (Figure 2). It was aligned north-west to south-east and measured 25m in length, 2m in width and 1.20m in depth.
- 2.27 The stratigraphy revealed in the sections across most of the trench comprised a layer of dark greyish brown clayey silty sand topsoil, 0.40m in depth. Below this was a greyish brown clayey silty sand subsoil, 0.80m in depth, which may represent a levelling deposit. The north-western end of the trench, which extended into the access road to the car park, consisted of tarmac and hardcore, bounded to the south-east by a concrete block (Figure 5). This overlay the pale grey silty sand and gravel natural.

Trench 6 data

Length (m):	25	Width (m):		2	Maximum Depth (m):	1.20	Orientati	ion	N	W-SE
Level at NW	End of Tr	ench	Top	61.53	Level at SE 1			)D)	Top	61.15
(mOD)			Base	60.88	ena or r	rencn (mo	(ענ	Base	59.83	
Camtant	Т			Daganindi			D	imen	sions (r	n)
Context	Type			Description				W	idth	Depth
-	Layer	Tarmac an the trench.		ore at the r	orth-western	end of	3.5		2	0.60
-	Layer		Dark greyish brown (10YR 4/2) clayey silty sand topsoil, with frequent roots and pebbles						2	0.45
-	Layer		`		ayey silty sand s. Possibly a le		21.10		2	0.80
601	Cut	Possible pi Base not se			r vertical side ).	NW.	>5.4	>	1.83	> 0.50
602	Fill	humic or o	Very dark grey (10YR 3/1) clayey silty sand with numic or organic content and moderate gravel. >5.4 Fill of [601].							> 0.50
-	Layer	Pale grey s	ilty sand	d and grav	el natural.		25		2	-

2.28 A single large feature, cut [601], was located at the south-eastern end of the trench (Figure 5, Plate 10). This contained fill (602), a clayey sandy silt containing some humic or organic material (Plate 11). Finds recovered from the fill include Roman pottery sherds, of  $2^{nd} - 4^{th}$  century date, daub fragments and Roman brick and tile.

#### Trench 7

2.29 Trench 7 was located in the centre of the site, to the north of the rear wing of the main hospital building (Figure 2). It was aligned ENE - WSW and measured 15.15m in length, 2.30m in width and 1.60m in depth.

2.30 The stratigraphy revealed in the trench sections comprised a layer of tarmac, 0.10m in depth, above a layer of concrete, 0.20m in depth. Below this was a significant depth of made ground, consisting of loose dark yellowish brown (10YR 3/4) sandy clay silt, over 1.10m in depth. The natural was not exposed in the trench, due to the unstable nature of the overburden.

Trench 7 data

Length (m):	25	Width (m):	2	2.30	Maximum Depth (m):	1.60	Orientat	ion	ENI	E-WSW
Level at NE	End of Tre	ench	Top	60.25	Level at SW	End of	French (m	(QO	Top	60.17
(mOD)		1	Base	59.75				· ·	Base	58.57
Context	Type			Descripti	on	F			sions (n idth	
_	Layer	Tarmac					Length 25		.30	<b>Depth</b> 0.10
-	Layer	Concrete					25		.30	0.20
-	Layer		wish bro	own (10YF	R 3/4) loose sar	ndy	25		.30	1.10
701	Layer	Black (10Y frequent ch		softy sand	y clay silt with		>6.4	> 2	2.30	> 0.10
702	Structure		in ceme	nt mortar .	of modern frog Central space ick rubble.		1		1	-
703	Structure	extending	from S s	section. Bu	igned NE-SW ilt of frogged sibly the wester	red	0.70	0.	.12	-
704	Structure	runs NE-S	W, the o	other NW- in cement	E end of trenc SE. Walls buil mortar. Possil	t of	>2	0.	.15	-
705	Layer		ncrete fi	agments a	layer, consisti nd gravel . Bu		>2	>3	3.80	-

2.31 A number of brick walls and structures, of modern date, were encountered in this trench (Figure 6). Of these, walls [703] and [704] may form part of a two-roomed structure. No buildings are visible on OS maps dating to the second half of the 20<sup>th</sup> century (www.oldmaps.co.uk), suggesting that these walls may relate to cellars to the north of the main hospital block. Layer (705) may represent deliberate backfilling of the structure.

#### Trenches 8 & 8a

2.32 The originally proposed location for Trench 8 was in the access roadway to the north of the main hospital block. Owing to the number of live services in this area it was agreed with the HET that two smaller trenches (8a and 8b) with the same total area, would be excavated between the dwellings and the maternity block.

#### Trench 8a

2.33 Trench 8a was located towards the north-eastern corner of the site, between the maternity block and no.42 London Road (Figure 2). It was aligned NNE – SSW and measured 15m in length, 2m in width and 1.60m in depth.

2.34 The stratigraphy revealed in the trench sections comprised a dark grey sandy silt subsoil, 1.60m in depth. This lay directly over the yellow natural sands and gravel. No topsoil was present in this area.

Trench 8a data

Length (m):	15	Width (m):		2	Maximum Depth (m):	1.60	Orientat	ion	NN	E-SSW	
I amala 4 N. E	ъ. 1 . С Т	l- ( OD)	Top	61.40	I L -4 CXV	E. J. 67	Г	OD)	Top	61.38	
Level at N E	ina oi iren	ich (mOD)	Base	60.01	Level at SW	Ena oi	ı rencn (m	OD)	Base	59.73	
Contout	Tymo			Dagawinti			D	imen	sions (r	sions (m)	
Context	Type			Descripti	on		Length	W	idth	Depth	
-	Layer	Dark grey ( frequent pe		4/1) sandy	silt subsoil w	ith	15		2	1.60	
801	Layer			•	It with frequency in situ burn		0.90	0	.40	0.20	
802	Layer	~ .		`	/2) soft sandy l occasional ch	-	>4.5	>	1.83	0.25	
803	Layer		,	/	sandy clay sil l overlying (80	-	0.70	0	.12	-	
804	Layer	Dark greyisilt with oc Underlies (	casiona	`	-	>1	>	>1	>0.05		
_	Layer	Yellow (2.5	ellow (2.5YR 7/8) natural sands and gravels.						2	-	

2.35 A series of layers were encountered in the trench (Figure 6, Plates 13 - 14). Layer (801) appears to represent a small sub-rectangular area of *in situ* burning above a wider spread of material, context (802). Two sherds of Roman greyware were recovered from (801) and three sherds of early Roman pottery, including one grog-tempered sherd, were collected from (802). Layer (802) was butted by a spread of redeposited natural, context (803), which overlay (804). No finds were recovered from (803) but a single sherd of late Iron Age or early Roman grog-tempered ware was recovered from (804). Due to the size of the area exposed it was not possible to ascertain whether these layers represent fills within features.

#### Trench 8b

- 2.36 Trench 8b was located immediately to the north of the access road (Figure 2). It was aligned WNW-ESE and measured 10m in length, 2m in width and 1.60m in depth.
- 2.37 The stratigraphy exposed in the trench sections comprised a layer of greyish brown clayey silty sand subsoil up to 1.50m in depth. This overlay the pale brown natural sandy clay with gravels. No topsoil was present in this area.

Length (m):	10	Width (m):		2	Maximum Depth (m):	1.60	Orientation		WN	IW-ESE
Level at NV	evel at NW end of Trench		Top	61.26	Lovel of CE I	wanah (mi	יעכ	Top	61.10	
(mOD)	(mOD)			ase 59.70 Level at SE End of Trench (mo					Base	59.50
Comtont	Т			Daganindi		D	imen	sions (1	n)	
Context	Type			Descripti	on		Length	W	idth	Depth
_	Layer	Greyish bro subsoil with			layey silty sand		10		2	1.50

Length (m):	10	Width (m):		7	Maximum Depth (m):	1.60	Orientat	ion	WN	W-ESE
Level at NV	V end of Tre	ench	Top	61.26	Level at SE I	and of T	Tuonah (m/	) (UC	Top	61.10
(mOD)			Base	59.70	Level at SL I	una or i	renen (me	(ענ	Base	59.50
Contout	Tymo			Dogovinti	~~		D	imen	sions (n	n)
Context	Type			Description	DII		Length	$\mathbf{W}^{i}$	idth	Depth
805	Laver	Black (10Y	R 2/1)	clayey silt	with frequent		10		2	0.14
803	Layer	charcoal.					10		2	0.14
-	Layer	Yellow (2.5	llow (2.5YR 7/8) natural sands and gravels.						2	-

2.38 A single layer burnt layer, context (805), was encountered below the overburden (Figure 6, Plate 15). This covered the entire trench, but no finds were present to date the context.

- 2.39 Trench 9 was located towards the south-eastern corner of the site, to the rear of the south-east wing of the main hospital building. It measured 25m in length, 2m in width and 1m in depth.
- 2.40 The stratigraphy exposed in the trench sections comprised a layer of dark grey sandy silt subsoil, up to 0.80m in depth, which overlay the yellow natural sands and gravels.

Trench 9 data

Length (m):	25	Width (m):		1	Orientat	ion	N	W-SE		
Level at NW	end of Tr	ench	Top	60.63	Level at SE 1	End of T	wanah (m/	) (U	Top	60.59
(mOD)			Base	60.15	Level at SE 1	ena or 1	rench (me	(ענ	Base	59.71
Comtont	Т			Daganindi			D	n)		
Context	Type			Descripti	on		Length	W	idth	Depth
-	Layer	Dark grey frequent pe	•	4/1) sandy	silt subsoil w	ith	25		2	0.80
901	Cut	Oval cut, v (902).	vith stee	p sides and	d flat base. Co	ontains	3		1.2	0.25
902	Fill	Grey (10Y) pebbles and		•	silt with occa	sional	3	>	1.2	0.25
903	Cut	_	des and		ed NE-SW, wasible root chan		>2	1	.60	0.10
904	Fill	Grey (10Y) gravel and		•	silt with frequotient of silt with frequency of silt with frequency of silt silt silt silt silt silt silt silt	uent	>2	1	.60	0.10
-	Layer	Yellow (2.:	ellow (2.5YR 7/8) natural sands and gravels.						2	-

- 2.41 Two features, cuts [901] and [903], were encountered at the eastern end of the trench (Figure 7, Plate 16). Cut [901] was a shallow sub-circular feature, containing a loose sandy silt fill which produced one sherd of brown glazed earthenware of post-medieval date (Plate 17). This may represent the remains of a small pond shown on maps between 1852 and the 1920s (Clarke 2011, Figures 6 9b).
- 2.42 Cut [903], to the east of [901], was an irregular linear feature aligned north-east to south-west. It contained a loose sandy silt fill, which produced a single sherd of post-medieval

glazed stoneware. The feature had irregular sides and base (Figure 9), suggesting that it may represent a root channel.

#### Trench 10

- 2.43 Trench 10 was located in the north-eastern quadrant of the site, between Trenches 8a and 8b (Figure 2). It was aligned north-east to south-west and measured 15m in length, 2m in width and 1.80m in depth.
- 2.44 The stratigraphy exposed in the trench sections comprised a dark grey slightly clayey silty sand topsoil, up to 0.40m in depth, above a greyish brown slightly clayey silty sand subsoil, up to 1.40m in depth. This overlay the pale grey brown silty sand natural.

Trench 10 data

Length (m):	17.5	Width (m):		2	Maximum Depth (m):	1.80	Orientat	ion	N	E-SW
Level at NE	and of Tra	nch (mOD)	Top	60.15	Level at SW	End of	Tranch (m	OD)	Top	60.33
Level at IVE	end of fre	iicii (iiiOD)	Base	58.71	Level at 5 W	Elia oi			Base	58.63
Context	Type			Description	on	_			sions (n	
Context	- JPC						Length	Width		Depth
-	Layer	silty sand to	opsoil v	vith freque			17.5		2	0.40
-	Layer	Greyish bro	,	,	ightly clayey s bbles.	silty	17.5		2	1.40
1001	Layer	Very dark l	brown (	10YR 2/2) ent, with m	sandy clay sil noderate grave		12.5		2	0.28
1002	Layer	single layer	r of subto 0.12	-angular ar n in diame	V-SE, compris nd rounded flin eter & gravel u	nt	>1.15	>(	0.80	0.05
1003	Fill	occasional	charcoa	l flecks an	ightly silty sar d gravel and v cobbles. Fill of	ery	>2	>0.50		0.08
1004	Cut				ure, aligned N a flat base. C		>2	>(	0.50	0.08
1005	Cut	Irregular or and a flatti			S, with steppe (1006).	ed sides	1	0	.78	0.25
1006	Fill		,	,	lty sandy clay unded stones.		1	0	.78	0.25
1007	Cut	Circular cu Contains (1		steep sides	and a concave	e base.	0.28	0	.28	0.16
1008	Fill	Greyish bro	ns. Fill	of [1007].		0.28	0	.28	0.16	
-	Layer	Very pale g sand with r	_ •	,	7/3) natural s	ilty	17.5		2	-

2.45 Removal of the overburden revealed a layer of buried soil, context (1001), which extended across the entire trench and sealed a number of features of Roman date (Figure 7,

- Plate 18). Finds recovered from (1001) included an abraded fragment of post-medieval tile, 29 sherds of pottery, dating to the  $1^{st} 2^{nd}$  century AD, and four pieces of iron slag.
- 2.46 A metalled surface, context (1002), was encountered below (1001) at the south-western end of the trench (Figure 7, Plate 19). This appeared to run north-west to south-east and consisted of a single layer of compacted flint cobbles and gravel, 0.05m in depth. No finds were recovered to date this surface, which overlay a shallow cut feature, cut [1004] (Figure 9, Plate 19). Four sherds of grog-tempered pottery, of probable late Iron Age date, were collected from its fill, context (1003).
- 2.47 A possible oval pit, cut [1005], was revealed in the centre of the trench (Figure 7, Plate 20). This was aligned north south and contained fill (1006), a sandy silty clay. Two small sherds of Roman greyware and a piece of tile, also of Roman date, were recovered from (1006).
- 2.48 A small circular feature, cut [1007], was located to the north-east of [1005] (Figure 7). This has been interpreted as a possible posthole. No finds were recovered from its fill, context (1008), but it is likely to be of Roman date given the proximity of other Roman features.

- 2.49 Trench 11 was located in the north-eastern corner of the site, across the front of nos. 42 and 44 London Road (Figure 2). It was aligned NNE-SSW and measured 25m in length, between 2m in width at the southern end of the trench and 4m in width at the northern end. It was excavated to a maximum depth of 1.35m. A baulk was left towards the southern end to avoid disturbing live services.
- 2.50 The stratigraphy revealed in the trench sections comprised a layer of dark greyish brown slightly clayey silty sand topsoil, up to 0.15m in depth. This overlay a greyish brown slightly clayey silty sand subsoil at the northern end of the trench and layers of made ground, 0.55m in depth, at the southern end. The subsoil was present below the made ground at the southern end of the trench (Figure 8). The natural consisted of a yellowish brown silty sand with moderate pebbles.

Trench 11 data

Length (m):	(m): Depth (m):					1.35	Orientat	ion	N-S		
Level at N e	nd of Tuon	sh (mOD)	Top	60.88	Level at S E	ad of Two	nah (mO	<b>D</b> )	Top	60.32	
Level at N e	end of Frenc	ii (iiiOD)	Base	60.28	Level at S El	ia oi i re	nen (mo	D)	Base	58.63	
Contout	Tyma			Descripti	iam.		D	imen	sions (m)		
Context	Type				Length	Wi	idth	Depth			
-	Layer	Dark greyi silty sand t		`	ayey	25		4	0.15		
-	Layer	Greyish bro			lightly clayey s	silty	25		4	1.08	
1101	Structure	Brick wall, bricks in li		-	ght red (2.5YR	5/8)	0.70	0.	.50	-	
1102	Structure	light red (2	.5YR 5	Brick wall, aligned approximately N-S, built of light red (2.5YR 5/8) bricks in lime mortar. Its southern end adjoins [1103].					.25	-	

Length (m):	25	Width (m):		2 - 4	Maximum Depth (m):	1.35	Orientat	ion		N-S
Level at N e	nd of Trend	ch (mOD)	Top Base	60.88 60.28	Level at S E	nd of Ti	rench (mO	D)	Top Base	60.32 58.63
G44	Т			D	•		D	imens	sions (r	n)
Context	Type			Descript	ion		Length	Wi	idth	Depth
1103	Structure	light red (2 western en	.5YR 5 d adjoir	/8) bricks is [1102].	nately E-W, bu in lime mortar	. Its	2.25	0.	.25	-
1104	Structure	red (2.5YR bricks mea damaged d	5/8) bisure 23 uring e	ricks in lin 0mm x 12 xcavation.	nately N-S, buine mortar. Indi 0mm x 70mm. No obvious bo with [1110] an	ividual Wall ond	0.55	0.	.30	0.88
1105	Cut		slopin		oximately east d a flattish base		>4	0.	.60	0.25
1106	Fill	and occasion	onal sub	o-angular s	ith frequent grant grant it is stones. Fill of [	1105].	>4	0.	.60	0.25
1107	Cut				nape with gentle eached. Contain		>2.25	>	>2	>0.40
1108	Fill	occasional cobbles. Fi	gravel, ll of [11	charcoal f 07].	dy clay with lecks and flint		>2.25	^	>2	>0.40
1109	Structure	(2.5YR 5/8	) bricks chining	s in lime n . Forms pa	ion, built of rec nortar. Wall dart of cellar wit	amaged	>0.12	0.	47	0.72
1110	Structure	mortar run bricks visit	ning be	tween [11 e southern		. Three	2		-	0.05
1111	Cut	Steeply slo represent n	ping sic	le to S, bas in 1 featur	s extending to se not reached. e. Contains (1	May 112).	>3.5	>1	.80	>0.50
1112	Fill	moderate g	ravel ar ecks. Fi	nd occasio ll of [1111		es and	>3.5	>1	.80	>0.50
-	Layer	Yellowish moderate p			) silty sand wit	h	25		4	-

- 2.51 A number of brick walls were encountered at the northern end of the trench (Figure 8, Plate 21). These appear to form part of a cellared structure, located to the east of the former maternity staff accommodation at no.42 London Road. The cartographic evidence shows that a farmhouse stood in this location from at least 1839 (Clarke 2011, Figure 4). Walls [1102] and [1103] form the southern and western sides of either a small freestanding structure, or a room within the farmhouse (Plate 22). To the south, walls [1104] and [1109] form the northern and southern sides to a cellar, which apparently had a vaulted brick ceiling, [1110] (Figure 8, Plate 23). Bricks from these contexts have been dated from the late 18<sup>th</sup> to the mid-19<sup>th</sup> centuries.
- 2.52 A number of features of probable Roman date were also encountered in Trench 11. The base of a narrow linear, cut [1105], was located immediately to the south of wall [1104]. It was aligned approximately E W and contained fill (1106), which produced a single sherd of

Roman greyware, possibly from a 'poppyhead' beaker of 2<sup>nd</sup> century date. Alternatively, the pottery sherd could be a residual find within a drain associated with the farmhouse cellar.

2.53 Part of possible pit, cut [1107], was encountered within the trench towards the southern end of the trench (Figure 8, Plate 24). This continued south under the baulk and contained fill (1108), which produced a single sherd of Roman greyware and 2 pieces of slag. Cut [1111] on the southern side of the baulk, appeared to represent an irregularly shaped feature with two arms extending to the south (Plate 25). Owing to the small area exposed within the trench, it was impossible to ascertain whether this was composed of a number of intercutting features. It contained fill (1112), which produced 19 sherds of Roman pottery of  $1^{st} - 2^{nd}$  century date. The relationship between [1107] and [1111] could not be determined because of the presence of the baulk.

- 2.54 Trench 12 was located in the south-eastern corner of the site (Figure 2). It was aligned approximately east west and measured 25m in length, 4m in width and 0.85m in depth.
- 2.55 The stratigraphy revealed in the trench sections comprised a layer of dark grey sandy silt subsoil, over 0.80m in depth. This overlay the natural, which consisted of yellow sands and gravels.

Trench 12 data

Length (m):	25	Width (m):		4	Maximum Depth (m):	0.85	Orientat	ion	]	E-W
Level at E e	nd of Tren	ch (mOD)	Top	61.19	Level at W E	and of T	rench (mC	DD)	Top	61.66
		<u> </u>	Base	60.30			D	imen	Base sions (n	61.28
Context	Type			Descripti	on		Length		idth	Depth
-	Layer	Dark grey frequent pe	•	4/1) sandy	y silt subsoil w	ith	25		4	>0.80
1201	Cut				ned NW-SE, wo ot reached. Con		>5		3	>0.50
1202	Fill		occasion		YR 3/2) clayed and charcoal fl		>5		3	>0.50
1203	Cut		egular s		ed approximate a concave base		2.70		1	0.40
1204	Fill		equent g	gravel and	4/2) loose sand occasional cha		2.70		1	0.40
1205	Cut	sides, align	ed NNI	E–SSW. B	steep, near ve ase not reache ench. Contains	d. NW	>1.70	>(	).90	>0.30
1206	Fill	silt with m flecks. Fill	oderate of [120.	gravel and 5].	1/2) loose sand d occasional ch		>1.70	Ì	).90	>0.30
-	Layer	Yellow (2.:	5YR 7/8	3) sands ar	nd gravels		25		4	-

- 2.56 Three cut features were revealed in the trench (Figure 8, Plate 26). Cut [1201], at the western end, is an irregular linear feature, running north-west to south-east. This may represent part of a tree line shown on the Ordnance Survey map of 1851 (Clarke 2011, Figure 6). No feature is shown in this area on the maps consulted for the desk-based research (Clarke 2011). Fragments of post-medieval peg tile and a single small sherd of brown-glazed post-medieval earthenware were recovered from its fill.
- 2.57 Cut [1203], an irregular oval feature aligned approximately east west, lay less than 1m to the east of [1201] (Figure 8, Plate 27). Part of the rim of a brown-glazed earthenware dish of 18<sup>th</sup> or 19<sup>th</sup> century date, was recovered from its fill. No definite function could be assigned to this feature.
- 2.58 The north-western corner of sub-rectangular feature, cut [1205], was encountered at the eastern end of the trench (Figure 8, Plate 28). A single sherd of blue and white glazed pottery, of 19<sup>th</sup> century date, and a number of post-medieval tile and brick fragments were recovered from its fill.

FINDS ASSESSMENT

Concordance of significant finds

Context	Po	ttery	Т	ile	Br	ick	RB (	CBM	Sl	ag
	No.	Wt. (g)	No.	Wt. (g)	No.	Wt. (g)	No.	Wt. (g)	No.	Wt. (g)
102	6	35					1	10		
202	2	10			1	45				
204			2	50						
Tr.5 u/s	1	20								
502			9	435						
504			2	90						
602	10	190					8	500		
801	2	20					1	5		
802	3	45								
804	1	20								
902	1	3	4	60						
904	1	5	1	25						
Tr.10	1	2								
u/s	1									
Tr.11	1	20								
u/s								_		
1001	29	615					1	5	4	65
1003	4	105								
1006	2	15	1	35						
1104					5	2185				
1106	1	10								
1108	1	2							2	20
1109					8	4450				
1110					3	675				
1112	19	160	1	100			3	30	4	220
1202	1	10	12	615	7	905				
1204	2	120								
1206	1	3	1	50	3	145				
Total	91	1410	33	1410	26	8405	14	550	10	305

#### **POTTERY**

2.59 A total of 91 sherds of pottery, weighing 1410g, was recovered from 3 unstratified and 17 stratified contexts. The condition of the sherds consisted largely of small abraded fragments. The pottery from the site ranged in date between the late Iron Age and the late post-medieval period, with the bulk of the assemblage comprising material dating to the late pre-Roman Iron Age and the Romano-British period.

#### Methodology

2.60 The recording of the pottery was on standard pro forma, which record by fabric, weight (in grammes) number and type of sherd (e.g. rim, plain body etc.) and vessel form, where identified. Individual sherds were examined through a binocular microscope at x10 magnification to determine the nature of the inclusions, any surface treatment or decoration and any other notable characteristics, which were noted on the pottery recording form. The overall condition of the sherds from each context and the estimated date range, based on the forms and fabrics present, were also noted.

#### Discussion

- 2.61 Late Iron Age and Roman pottery formed the largest group within the assemblage, comprising 76 sherds (83.5% of the total assemblage) from 3 unstratified and 10 stratified contexts. A single fragment of late Medieval pottery (1% of the total assemblage) was recovered as a residual sherd within a post-medieval context. Post-medieval earthenwares (8 sherds, 8.8% of the total assemblage) and glazed china (3 sherds, 3.3% of the total assemblage) were also present.
- 2.62 The bulk of the Roman pottery assemblage consisted of coarsewares commonly found on domestic sites. The earliest pottery on the site was represented by grog-tempered pottery of late Iron Age and early Roman date, which formed the second largest fabric group (21 sherds, 27.5% of the Roman assemblage). A small amount of late Roman pottery was also present, represented by oxidised and reduced ware sherds from Much Hadham in Hertfordshire and a single example of a colour coat ware from the Nene Valley in Cambridgeshire.
- 2.63 The largest group (39 sherds, 51% of the Roman assemblage) comprised greywares, of which the bulk were from unsourced, but probably local, kiln sites. The majority of these sherds were undiagnostic and therefore difficult to date closely, but it appears that the majority are of late 1<sup>st</sup> late 2<sup>nd</sup> century date. Small amounts of coarseware from kiln sites outside the immediate vicinity were recovered from the site. These include two sherds from a Colchester white ware mortarium, four sherds of probable Hadham ware and one sherd of Black Burnished 1 ware.
- 2.64 Samian pottery comprised the largest group of finewares from the site (7 sherds, 9.2% of the Roman assemblage). Two sherds of colour-coat ware (2.5% of the Roman assemblage) were also recovered. One was probably from the Nene Valley kilns, the other was too small for a definite identification.
- 2.65 As the bulk of the material consisted of abraded and undiagnostic bodysherds, few vessel forms could be identified. Jars were probably the predominant vessel type on the site. Of the identifiable sherds one rim fragment from a small Hadham ware jar was present in (602) and two rim sherds from a small bead rimmed jar in grog-tempered ware came from (1001). Other forms represented in the assemblage include a 'dog dish' rim in Black Burnished 1 ware

from (602), two sherds from the same Colchester mortarium from (1001), part of the base of a poppyhead beaker in (1106) and a small rim sherd from a flanged bowl, collected from the overburden in Trench 11. The sherds of samian were largely too small to definitely identify forms, but a decorated bodysherd in (1112) came from a form 29 bowl and a part of a possible form 18 rim was recovered from the overburden in Trench 10.

2.66 Apart from a single sherd of late Medieval green-glazed ware, recovered as residual from (102), no evidence for activity between the late Roman period and the 18<sup>th</sup> century was encountered on the site. Brown-glazed earthenware sherds, of 18<sup>th</sup> / 19<sup>th</sup> century date, formed the largest group of post-Roman pottery. Very small amounts of glazed china and stoneware were also present.

#### **Conclusions**

- 2.67 The examination of the pottery has demonstrated that activity on the site started in the late Iron Age and continued into the late Roman period. The earliest feature on the site appears to be [1004], a possible pit which produced four sherds of late Iron Age grog-tempered pottery only. This was overlain by a metalled surface, context (1002), which was sealed in turn by layer (1001). Pottery of late 1<sup>st</sup> / 2<sup>nd</sup> century date was recovered from (1001). Other features and deposits producing early Roman pottery were encountered in Trench 8a.
- 2.68 Grog-tempered wares continued in use into the early Roman period, which is also characterised by the introduction of local greywares. The early Roman assemblage is noticeably lacking in imported wares. Apart from a handful of samian sherds, very little material from outside the immediate area is represented on the site.
- 2.69 Activity appears to have restarted in the 3<sup>rd</sup> / 4<sup>th</sup> century AD. A single feature, linear or pit [601], located to the west of the early Roman features, contained part of a vessel in Nene Valley colour coat ware. Part of a Black Burnished 1 dish rim and sherds of Hadham ware were also recovered from this feature.

#### Recommendations

- 2.70 No further information of archaeological significance is likely to be obtained from further examination of the late Iron Age and Roman assemblage as it stands. On this basis, no further work is proposed at present.
- 2.71 Should further work be required on the site, then this material may be considered as part of any future pottery report.
- 2.72 Given the small size and fragmentary nature of the post-Roman pottery assemblage, no further work is proposed on this material.

#### CERAMIC BUILDING MATERIAL

#### Post-medieval Tile

2.73 Thirty three tile fragments, weighing 1410g, were recovered from 9 stratified contexts. The material comprised broken fragments of post-medieval peg tile collected from features of post-medieval date only.

#### Recommendations

2.74 Given the small size and fragmentary nature of this assemblage, no further work is proposed on this material.

#### Post-medieval Brick

- 2.75 Twenty six brick fragments, weighing 8405g, were collected from 6 stratified contexts, three of which represented part of. No complete examples were available for collection.
- 2.76 The majority of the brick fragments (16 pieces) were recovered from Trench 11, which contained the remains of a cellar below the demolished farmhouse, structures [1104], [1109] and [1110]. Most of these are soft reds, made in a hand mould with a very early crude frog. They are likely to have come from the west Essex / east London area, possibly around Ingatestone.
- 2.77 The exceptions are the five bricks from [1104], the northern cellar wall, which date to the late 17<sup>th</sup> or early 18<sup>th</sup> century. The bricks from [1109] and [1110] date from the period 1840 1860 and appear to have been used as facing bricks, although there is little evidence of mortar being used on the upper or lower faces. This suggests that they may have been stacked, rather than being correctly built into a wall. The evidence suggests that the cellar existed by the late 18<sup>th</sup> century, but may have been rebuilt in the mid 19<sup>th</sup> century.
- 2.78 The remaining bricks fragments were recovered as part of the backfill in cut features of post-medieval date, including a possible quarry in Trench 2 and two pits in Trench 12. These are all later in date, showing evidence of machine manufacture and frogging.

#### Recommendations

2.79 Given the small size and fragmentary nature of this assemblage, no further work is proposed on this material.

### Roman Ceramic Building Material

2.80 Fourteen fragments of Roman ceramic building material, weighing 550g, were recovered from 5 stratified contexts. All of this material, which includes 5 pieces of daub, weighing 30g, recovered from (602), consisted of small, abraded and undiagnostic pieces. However, their presence indicates a permanent structure in the immediate vicinity of the site.

#### Recommendations

2.81 Given the small size and fragmentary nature of this assemblage, no further work is proposed on this material at present. Should further work be required on the site then this material may be considered as part of any future report.

#### Slag

- 2.82 Ten pieces of iron slag, weighing 305g, were collected from 3 stratified contexts, all of Roman date. The presence of this material suggests possible ironworking in the vicinity of the site.
- 2.83 All the slag pieces were of irregular shape, with rough, coarse exteriors, suggesting that these were derived from the smithing, rather than the smelting, process.

#### Recommendations

2.84 Given the small size and fragmentary nature of this assemblage, no further work is proposed on this material at present. Should further work be required on the site, and further examples of iron slag recovered, then this material will be considered as part of any future report.

#### **Bulk soil samples**

2.85 Ten bulk soil samples were collected from the site (see tables below). In order to rapidly assess their potential for the preservation of plant remains, and to provide other useful data, a 5 litre subsample has been processed from each sample. The heavy residues were washed through a 1mm mesh and the flots through a 300µm mesh. The flots were examined under a binocular microscope at x10 magnification and the residues were hand-sorted by eye.

Sample no.	Context no.	Sample size	Comments
1	1108	30 litres	Flot produced rootlets & charcoal
2	1106	30 litres	Flot produced rootlets & charcoal
3	1112	30 litres	Flot produced rootlets & charcoal
4	1001	30 litres	Flot produced rootlets & charcoal
5	1006	30 litres	Flot produced small no. of burnt grains, charcoal & rootlets;
6	1003	30 litres	Flot produced rootlets & charcoal
7	502	30 litres	Flot produced rootlets & charcoal
8	602	30 litres	Flot produced rootlets & charcoal
9	802	30 litres	Flot produced rootlets & charcoal
10	801	10 litres	Flot produced rootlets & charcoal

#### Finds from samples

Context	Sample	Pot	tery	CE	3M	S1	ag	Ar	n Bone	Ch	arcoal	F	e obj
1108	1			<b>\</b>	5					✓	>1%		
1106	2			<b>\</b>	5					<b>√</b>	5*		
1112	3	✓	2	<b>\</b>	9			✓	1	<b>√</b>	>1%		
1001	4			✓	14	✓	12	✓	3	✓	>1%	✓	>1%
1006	5	✓	3	<b>√</b>	1					✓	>1%	<b>√</b>	>1%
1003	6							✓	>1%	<b>√</b>	>1%		
502	7			<b>\</b>	1					<b>√</b>	>1%		
602	8			✓	14			✓	1	✓	>1%		
802	9	<b>√</b>	2	<b>√</b>	4					✓	21*		
801	10	<b>√</b>	6	✓	3	✓	6			✓	.>1%	✓	>1%

- 2.86 The subsamples provided little environmental evidence. A small number of burnt grains were recovered from sample 5, the fill of a possible pit in Trench 10. No molluscan or insect evidence was present in any sample, and the charcoal consisted of small flecks, not large enough for species identification.
- 2.87 Industrial residues, comprising slag and hammerscale, were present in sample 4, from a layer within Trench 10 and sample 10, a small area of apparent in situ burning in Trench 8a.
- 2.88 Other finds recovered from the sample residues include small pottery sherds and crumbs of fired clay. Fragments of animal bone were also present, but these appeared to represent animals larger than shrews and mice.

#### Recommendations

**2.89** As the archaeological potential of these samples is low, no further work is proposed on the bulk samples at present. Should further work be required on the site, then the remaining soil from samples 4, 5 and 10 may be submitted for specialist analysis with samples collected at that time.

## 3. Discussion

#### Archaeological Background

- 3.1 A desk based archaeological assessment (Oxford Archaeology East 2011), collating data from secondary historical sources, a HER search for a 250m radius from the site, and historic mapping, was submitted with the application for planning permission. This has been considered along with the Braintree Historic Towns Assessment Report (English Heritage 1999) and an updated search of the HER, to produce the following summary:
  - Evidence for early prehistoric activity in the area of Braintree is limited and poorly located, but includes finds of lithic implements (HER 17490) and a Bronze Age hoard (HER 6227) associated with possible metal working debris.
  - Iron Age activity in Braintree is dominated by an area of possible settlement close to the town centre, to the north of the present site, which includes round houses (HER 16351-3) and an enclosure on London Road (HER 6295/6). It has been proposed that a large banked and ditched enclosure, or *oppidum*, was located to the northeast of the current site, with the northern boundary running along Coggeshall and Cressing Road. Iron age burials have also been recorded in the southeast and south of the town (English Heritage 1999).
  - The Roman small town of Braintree lay to the west of the junction formed between the east-west aligned Stane Street and the northeast-southwest aligned Sudbury-Chelmsford route, which follows London Road. The core of the town was approximately triangular in shape with ribbon development extending west and south. To the west of the town lay a substantial Roman cemetery (English Heritage 1999).
  - Finds of Roman pottery and industrial residues during the construction of the William Julien Courtauld Hospital, and during recent test pit excavations, would suggest that Roman urban activity extends at least as far south as the southern extent of the site (Oxford Archaeology East 2011).
  - Evidence for Anglo-Saxon settlement in Braintree is scarce and it has been suggested that any settlement was essentially rural in nature (English Heritage 1999). However, a number of finds including pottery and two inhumations with knives are known from Hunnable's Gravel Pit (HER 6307), approximately 200m north of the site of the present investigation. There have also been reports of 'dark earth' from excavations within the Roman town (English Heritage 1999).
  - The early medieval town of Braintree appears to have been concentrated around two centres: St Michael's Church, to the north of the present site, and the Bishops Palace, to the northwest. In the 13th century, a planned 'new town' was developed around the market (English Heritage 1999). A small number of medieval finds have been reported from the vicinity of the proposed development, including a 14th century coin (HER 6203) and 13th century pottery (HER 6308).
  - Braintree continued to grow in the post-medieval period, and was dominated by the cloth trade. Initially producing wool cloth for export, the wool trade declined in the 19th century and was replaced by a silk cloth trade (English Heritage 1999). By 1845, the site was occupied by a farm, with a farmhouse fronting onto London Road with outbuildings and a pond to the rear (Oxford Archaeology East 2011).
  - In 1920-21, the William Julien Courtauld Hospital was built as a replacement for the former Braintree and Bocking Cottage Hospital on Halstead Road. The hospital originally contained four wards, which were extended to seven in 1936 (HER 15642).

#### Research aims

- 3.2 The aims of the investigation have been to establish the location, depth, extent, date, character and condition of any remains that could be threatened by the development, to consider the local and regional archaeological and historical context of such remains, and their significance and quality, in relation to the current published regional research agenda (Brown and Glazebrook 2000, Medlycott 2011), and to provide sufficient information to ensure that an appropriate strategy for the mitigation of damage or destruction of such remains by the development could be adopted.
- 3.3 On the basis of the known archaeological potential of the site, as extrapolated from the HER, it was considered that archaeological investigation of the site had the potential to contribute to a greater understanding of:
  - the origins, extent and development of settlement in Braintree from the prehistoric period onwards, in particular, the development of Roman settlement and industry along London Road;
  - the layout, development and function of the William Julien Courtauld Hospital.

#### Collected Data

- 3.4 The trial trenches demonstrated that the western half of the site has been subject to significant terracing and modern disturbance, associated with the construction of the hospital. This was particularly evident in Trenches 5 and 6. Despite this, a number of features of late Iron Age, Roman and post-medieval date survive on the site.
- 3.5 Evidence for late Iron Age and Roman activity was recorded from four trenches in the north-eastern quadrant of the site (Trenches 6, 8a, 10 and 11). The pottery recovered from the features and deposits in this area suggest domestic activity of early Roman date along the London Road, which may have extended to the west in the later Roman period. Industrial residues were also present on the site, particularly in Trenches 8a and 10. The morphology of the recovered slag, and the presence of hammerscale in samples collected from these trenches, suggests smithing was taking place in close proximity.
- 3.6 The earliest feature on the site appears to be a pit, cut [1004], which was overlain by an undated metalled surface, context (1002). This in turn was sealed by a layer of material, context (1001), which contained pottery of  $1^{st} / 2^{nd}$  century AD date.
- 3.7 Evidence for post-medieval activity was encountered in the western and southern sides of the site. The remains of a possible quarry, cut [201], were encountered at the northern end of Trench 2, but no such feature is marked on the maps consulted for the desk-based assessment, suggesting that it may pre-date the late 18<sup>th</sup> century. Other features encountered, including [501], [503], [901] and [903], appear to represent ponds and boundaries recorded on the 19<sup>th</sup> century mapping.
- 3.8 The remains of the post-medieval farmhouse were encountered in the northern half of Trench 11, to the east of no.42 London Road. This is marked in the north-eastern corner of the site on maps dating from at least the mid 19<sup>th</sup> century. The building was clearly cellared, two walls of which, [1104] and [1109], were revealed in the south facing trench section. The brick samples from the northern wall have been dated to the late 17<sup>th</sup>/18<sup>th</sup> century, while those

in the southern wall, [1109] are of mid 19<sup>th</sup> century date. The evidence suggests that cellar was in existence in the 18<sup>th</sup> century, but was rebuilt or renovated in the mid 19<sup>th</sup> century.

3.9 A record of the existing hospital buildings will be the subject of a separate report.

#### **Conclusions**

- 3.10 The desk-based assessment indicated the potential for encountering remains of Iron Age and Roman date. Features, deposits and finds of these periods were identified in the north-eastern quadrant of the site.
- 3.11 The mapping consulted for the desk-based assessment showed that during the 19<sup>th</sup> century the site was used as a farm, with field boundaries and ponds present to the south and west of the farmhouse, which survives as the northern cottage along the road frontage
- 3.12 On the basis of the results of the evaluation, the risk that the proposed development might disturb archaeological remains of significance may be considered to be *High* for the late Iron Age, Roman, Medieval and post-medieval periods. Such remains survive predominantly in the north-east quadrant of the site and the impact of the development on such remains could be mitigated by the adoption of a minimally intrusive foundation design.

#### Confidence Rating

- 3.13 In the course of the fieldwork the weather, ground and light conditions were acceptable for the identification of potential features and deposits, and for their investigation.
- 3.14 There are no circumstances that would lead to a confidence rating for the work which was less than *High*.

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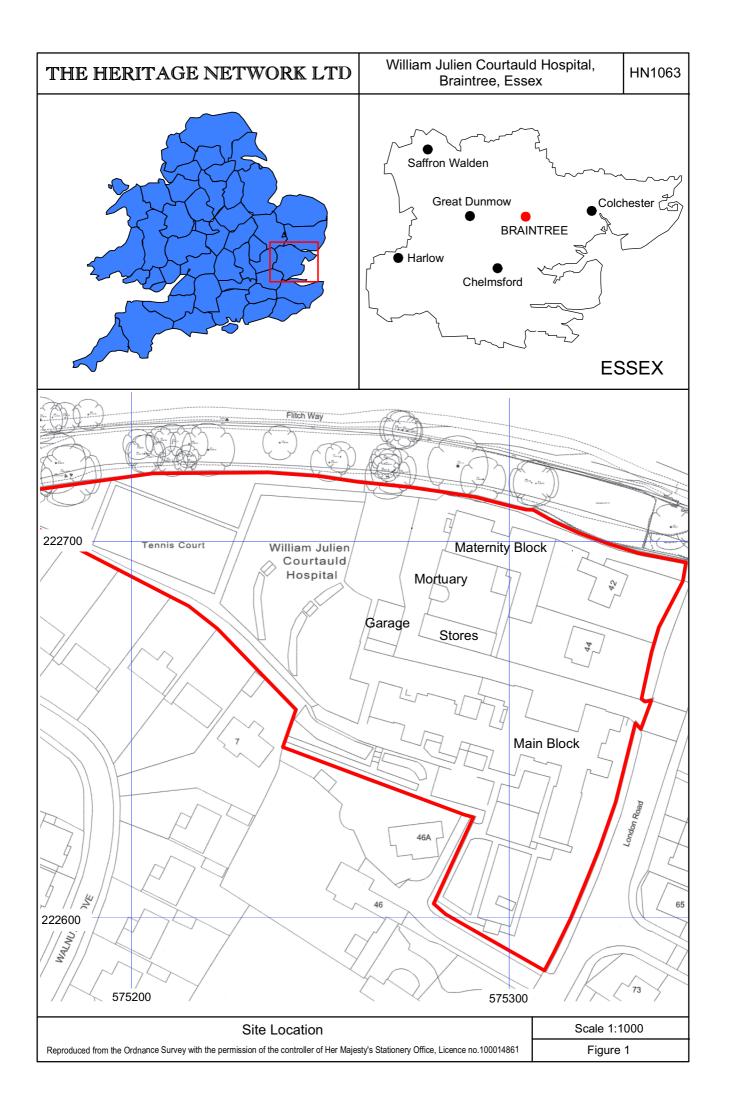
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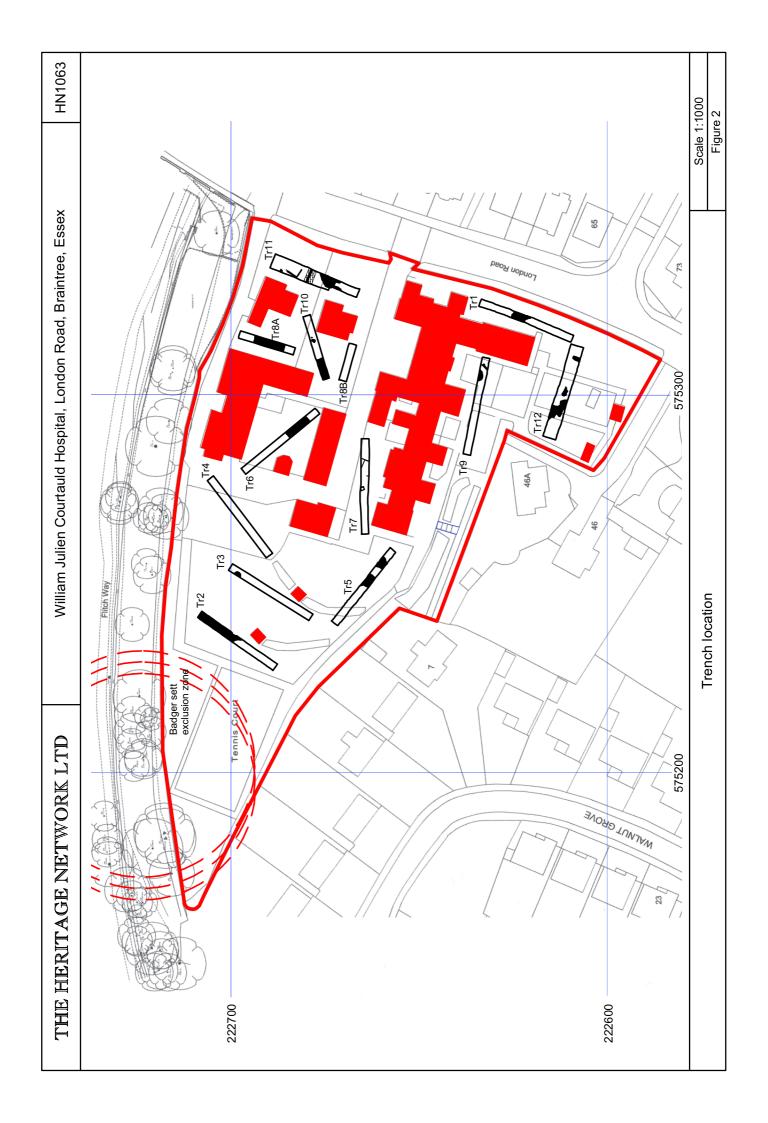
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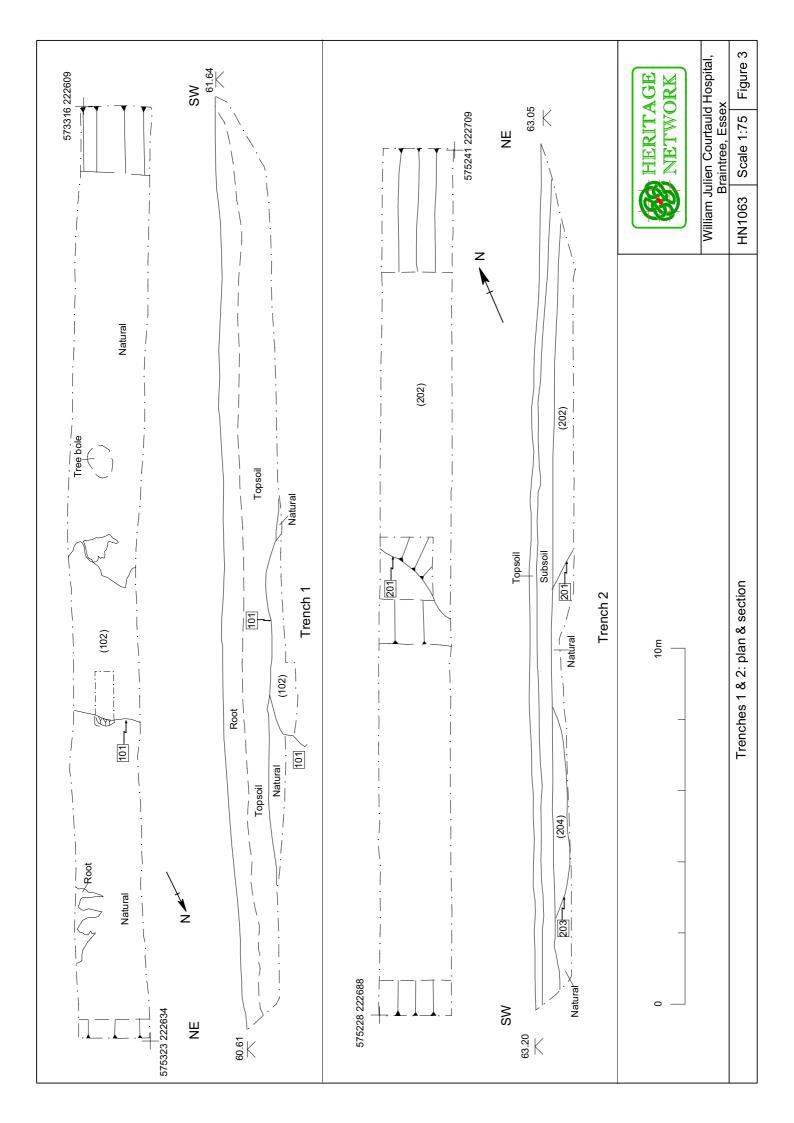
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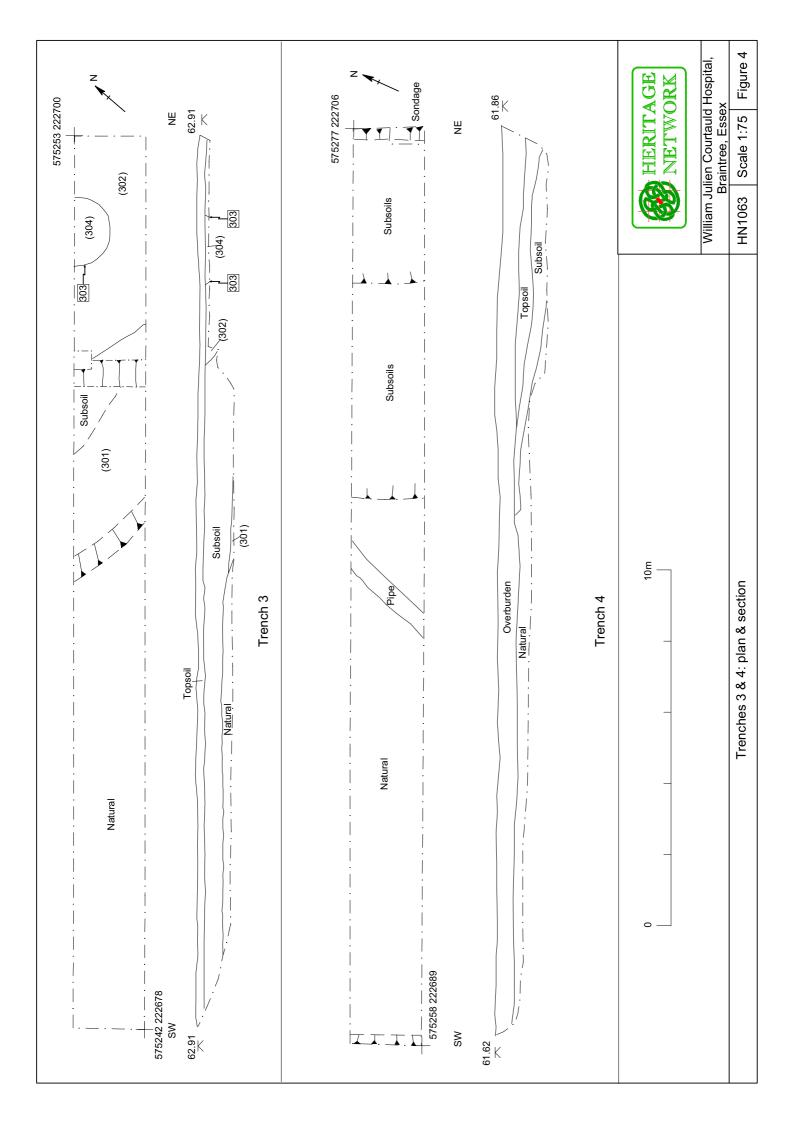
# 5. Illustrations

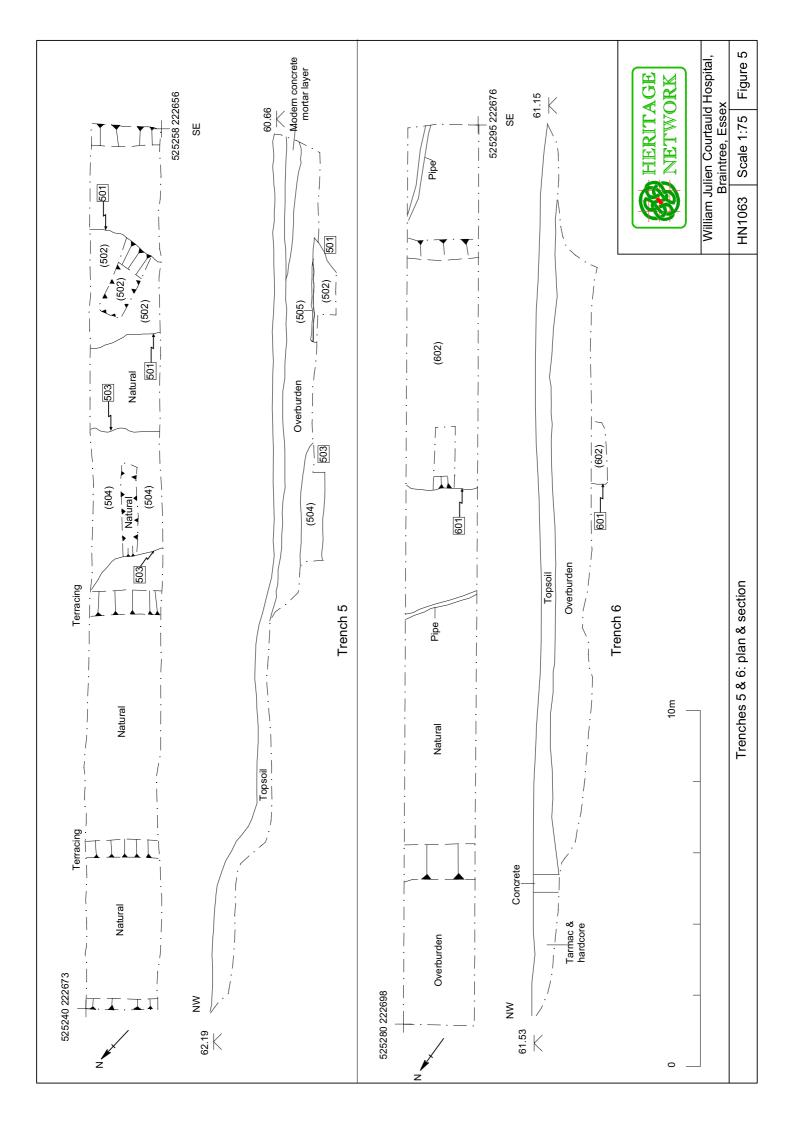
Figure 1 Site location
Figure 2
Figure 3 Trenches 1 & 2: plan & section
Figure 4
Figure 5 Trenches 5 & 6: plan & section
Figure 6 Trenches 7 & 8a/b: plan & section
Figure 7 Trenches 9 & 10: plan & section
Figure 8 Trenches 11 & 12: plan & section
Figure 9 Feature sections
Figure 10Phase plan
Plate 1Trench 1, looking SW
Plate 2
Plate 3 Trench 2, looking SW
Plate 4
Plate 5
Plate 6 Trench 4, looking SW
Plate 7 Trench 5, looking E
Plate 8
Plate 9
Plate 10 Trench 6, looking SE
Plate 11
Plate 12 Trench 7, looking E
Plate 13Trench 8a, looking S
Plate 14
Plate 15Trench 8b, looking NW
Plate 16 Trench 9, looking E
Plate 17 Trench 9, cut [901]
Plate 18Trench 10, looking SW
Plate 19Trench 10, contexts (1001) – [1004]
Plate 20
Plate 21
Plate 22
Plate 23 Trench 11, farmhouse cellar & cuts [1105] & [1107]
Plate 24 Trench 11, cut [1107]
Plate 26 Trench 12, looking W
Plate 27 Trench 12, cut [1203]
Plate 28 Trench 12, cut [1205]
Plate 24         Trench 11, cut [1107]           Plate 25         Trench 11, cut [1111]           Plate 26         Trench 12, looking W

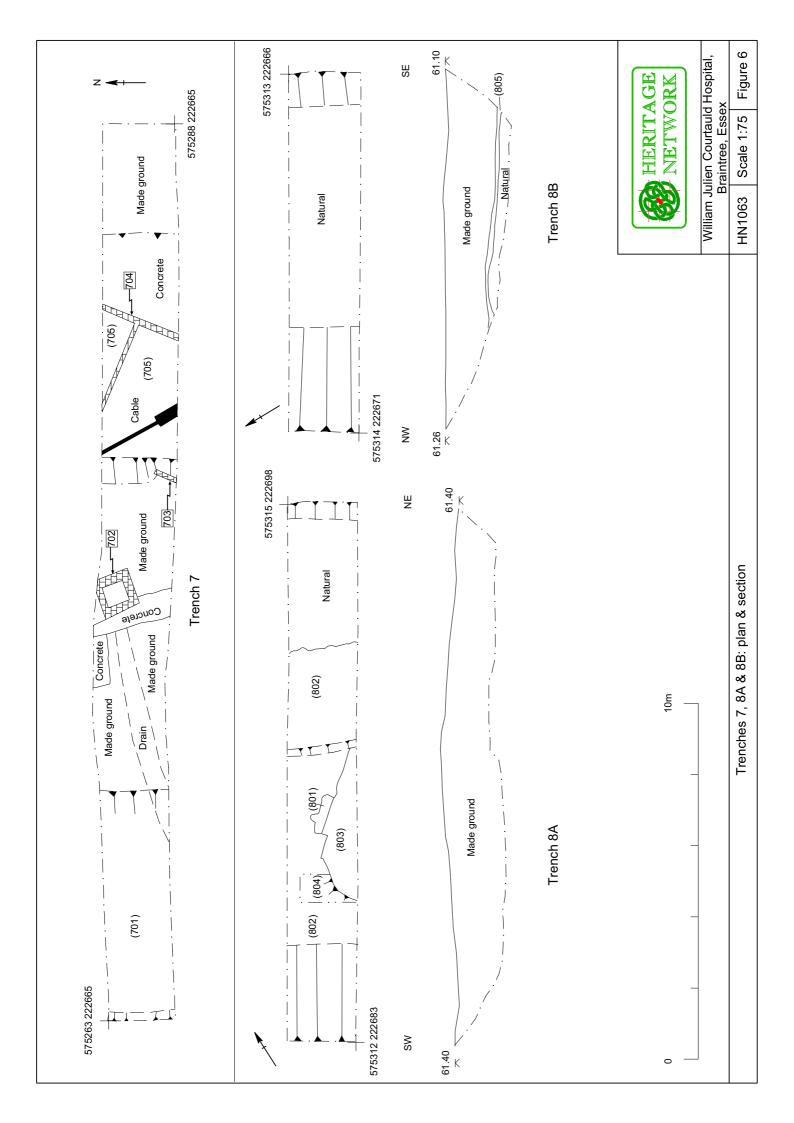


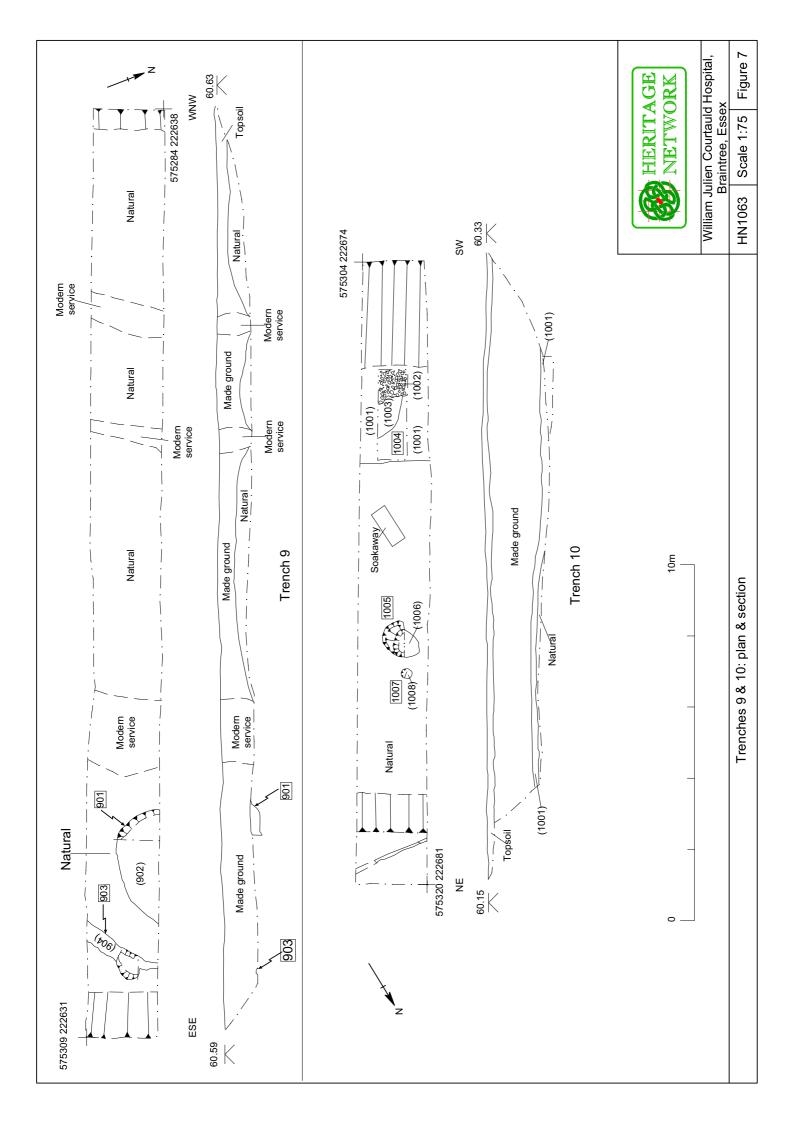


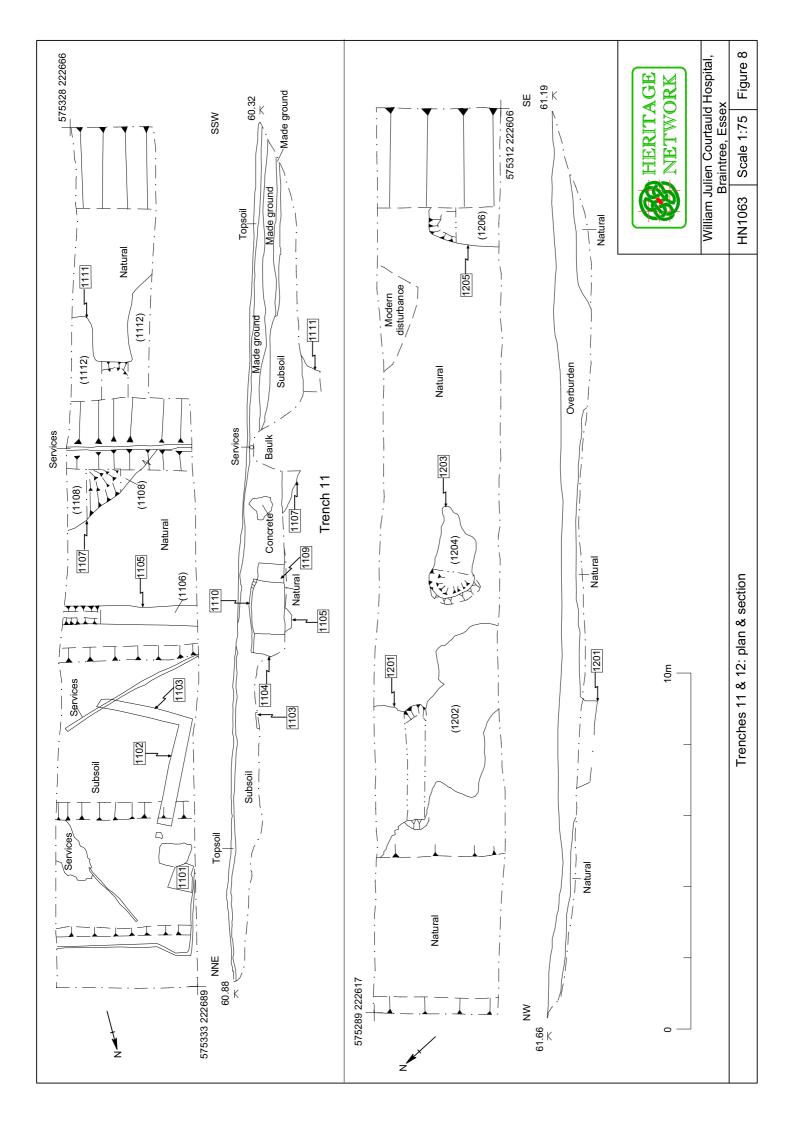


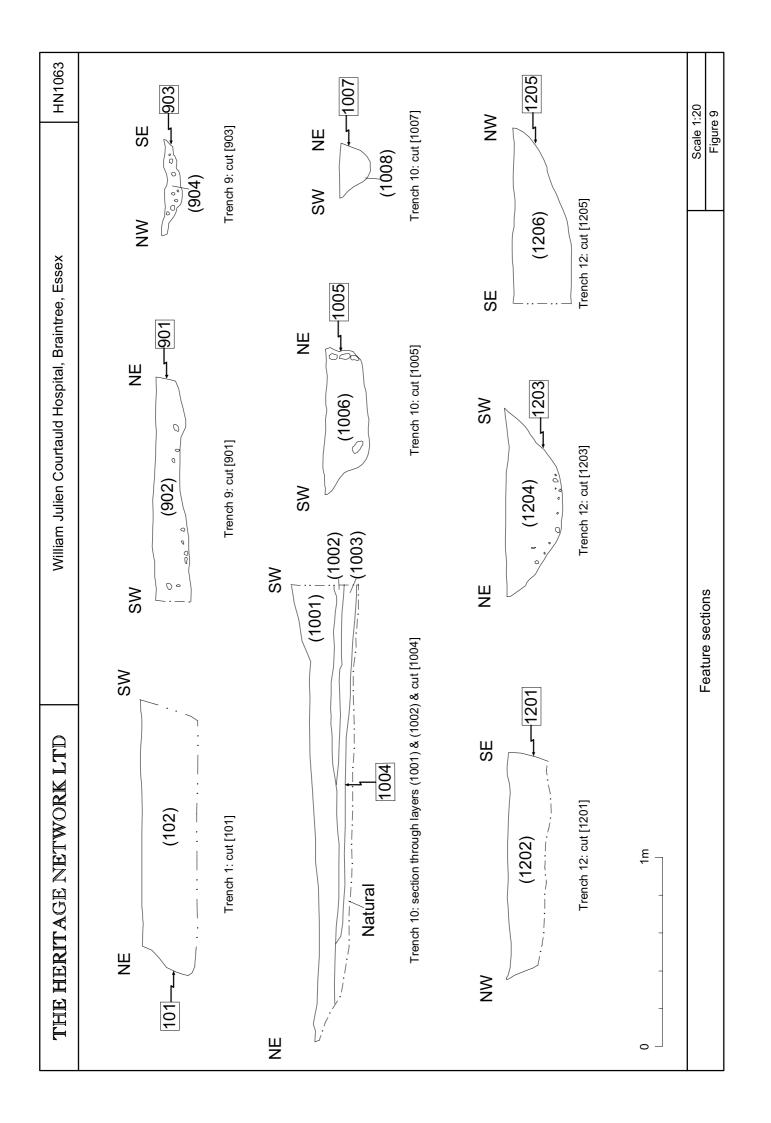












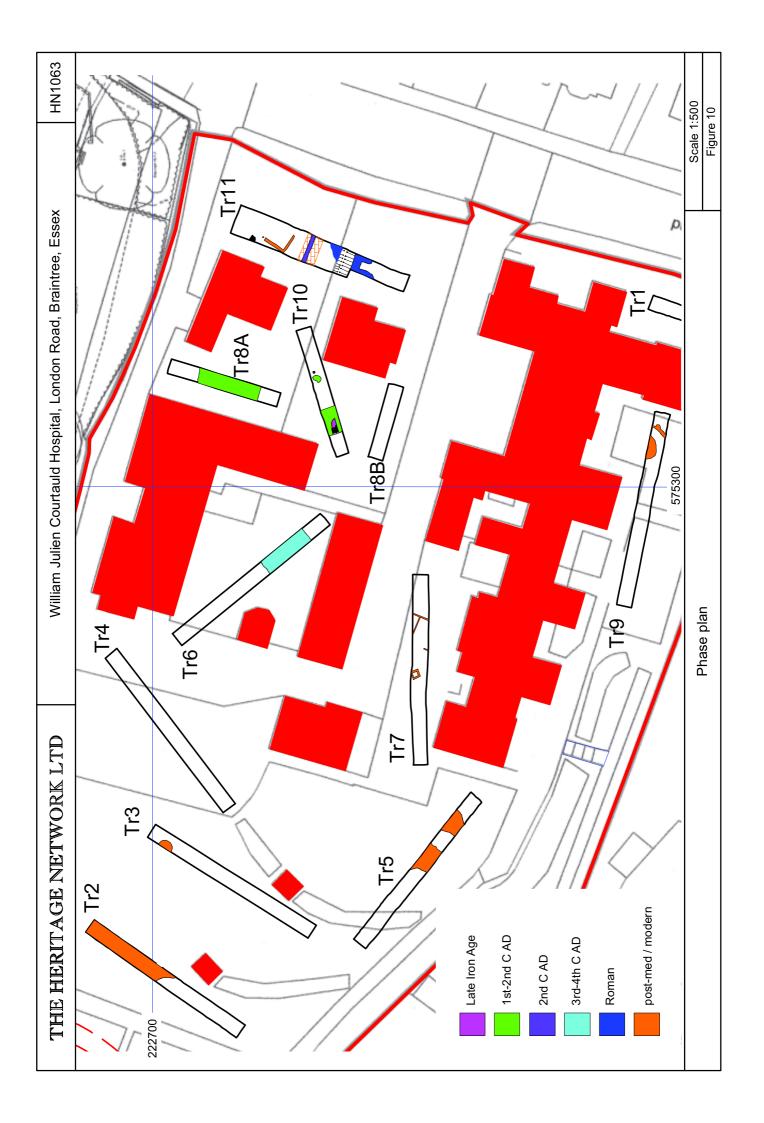




Plate 1: Trench 1, looking SW



Plate 2: Trench 1, cut [101] looking N



Plate 3: Trench 2, looking SW



Plate 4: Trench 2, cut [201], looking NE



Plate 5: Trench 3, looking SW



Plate 6: Trench 4, looking SW



Plate 7: Trench 5 looking E



Plate 8: Trench 5, cut [501]



Plate 9: Trench 5, cut [503] looking SW



Plate 10: Trench 6, looking SE



Plate 11: Trench 6, cut [601], looking NW



Plate 12: Trench 7, looking E



Plate 13: Trench 8a, looking S



Plate 14: Trench 8a, layers (801) - (804)



Plate 15: Trench 8b, looking NW



Plate 16: Trench 9, looking E



Plate 17: Trench 9, cut [901] looking E



Plate 18: Trench 10, looking SW



Plate 19: Trench 10, contexts (1001), (1002), (1003) & [1004] looking N



Plate 20: Trench 10, cut [1005] looking SW



Plate 21: Trench 11, looking S



Plate 22: Trench 11, walls [1102] & [1103] looking E



Plate 23: Trench 11, structures [1104], [1109] & [1110] & cuts [1105] & [1107] looking E



Plate 24: Trench 11, feature [1107] looking SE



Plate 25: Trench 11, cut [1111] looking W



Plate 26: Trench 12, looking W



Plate 27: Trench 12, cut [1203] looking E



Plate 28: Trench 12, cut [1205] looking S

## **Appendix**

## **OASIS DATA COLLECTION FORM**

OASIS ID: heritage1-148268		
Project details		
Project name	Braintree, William Julien Courtauld Hospital, London Road	
Short description of the project	As the result of a condition on the planning permission for the redevelopment of the William Julien Courtauld Hospital, London Road, Braintree, Essex, the Heritage Network was commissioned by the developers to undertake a programme of archaeological evaluation.  Trial trenches demonstrated that the western half of the site had been subject to significant terracing and modern disturbance, associated with the construction of the hospital. This was particularly evident in Trenches 5 and 6. Despite this, a number of features of late Iron Age, Roman and post-medieval date survive on the site.  Evidence for late Iron Age and Roman activity was recorded from four trenches in the northeastern quadrant of the site (Trenches 6, 8a, 10 and 11). The pottery recovered from the features and deposits in this area suggest domestic activity of early Roman date along the London Road, which may have extended to the west in the later Roman period.  Evidence for post-medieval activity was encountered in the western and southern parts of the site. The remains of a possible quarry was encountered at the northern end of Trench 2, but no such feature is marked on the maps consulted for the desk-based assessment, suggesting that it may pre-date the late 18th century. Other features encountered appear to represent ponds and boundaries recorded on 19th century mapping.  The remains of the post-medieval farmhouse that preceded the hospital on the site, were encountered in the northern half of Trench 11, close to London Road. This is represented on maps dating from at least the early 19th century. The building was clearly cellared, two walls of which were revealed in the south facing trench section.	
Project dates	Start: 13-08-2013 End: 28-08-2013	
Previous/future work	No / Not known	
Associated project reference codes	BT49 - Sitecode	
Associated project reference codes	HN1063 - Contracting Unit No.	
Associated project reference codes	BRNTM:2013.349 - Museum accession ID	
Type of project	Field evaluation	
Site status	None	
Current Land use	Community Service 1 - Community Buildings	
Monument type	PIT Late Iron Age	
Monument type	PIT Roman	
Monument type	TRACK Roman	
Monument type	PIT Post Medieval	
Monument type	WALL Post Medieval	
Significant Finds	POTTERY Late Iron Age	
Significant Finds	POTTERY Roman	
Significant Finds	POTTERY Post Medieval	
Significant Finds	CERAMIC BUILDING MATERIAL Roman	
Significant Finds	CERAMIC BUILDING MATERIAL Post Medieval	
Methods/techniques	"Targeted Trenches"	

Development type	Urban residential (e.g. flats, houses, etc.)	
Prompt	National Planning Policy Framework - NPPF	
Position in the planning process	After full determination (eg. As a condition)	
Project location		
Country	England	
Site location	ESSEX BRAINTREE BRAINTREE William Julien Courtauld Hospital, London Road	
Postcode	CM7 2LJ	
Study area	1082.00 Square metres	
Site coordinates	TL 75298 22647 51 0 51 52 27 N 000 32 48 E Point	
Project creators		
Organisation	Heritage Network	
Brief originator	Local Authority Archaeologist and/or Planning Authority/advisory body	
PD originator	Heritage Network	
Project director	David Hillelson	
Project supervisor	James Snee	
Funding body	Developer	
Project archives		
Physical Archive recipient	Braintree Museum	
Physical Archive ID	BRNTM:2013.349	
Physical Contents	"Animal Bones", "Ceramics", "Environmental", "Industrial"	
Digital Archive recipient	Braintree Museum	
Digital Archive ID	BRNTM:2013.349	
Digital Contents	"other"	
Digital Media	"Images raster / digital photography","Text"	
Paper Archive recipient	Braintree Museum	
Paper Archive ID	BRNTM:2013.349	
Paper Contents	"other"	
Paper Media	"Context sheet","Diary","Photograph","Plan","Report"	
Project bibliography 1		
Publication type	Grey literature (unpublished document/manuscript)	
Title	William Julien Courtauld Hospital, London Road, Braintree, Essex. Archaeological Evaluation Report	
Author(s)/Editor(s)	Ashworth, H.	
Other bibliographic details	Report no.824	
Date	2013	
Issuer or publisher	Heritage Network	
Place of issue	Letchworth, Herts	
Description	A4 booklet, comb bound, green cover, 26 pages, 10 figures, 28 plates	