

Appendix B.

Level II Index.

<u>Context</u>	<u>Trench</u>	<u>Plan</u>	<u>Section</u>	<u>C/S</u>	<u>B/W</u>
5001	59	--	1	--	--
5002	59	--	1	--	--
5003	59	5003	1	--	--
5004	59	5004	1	1.1-4	1.1-4
5005	59	--	--	--	--
5006	59		--	--	--
5007	59		1	--	--
5008	59	5008	1	1.6-9	1.6-9
5009	59	5009	--	1.10-13	1.10-13
5010	59	5010	1	1.14-17	1.14-17
5011	60	5011	2	--	--
5012	60	--	2	--	--
5013	60	--	2	--	--
5014	60	--	2	--	--
5015	60	--	2	1.18-21	1.18-21
5016	59	5016	1	1.23-26	1.23-26
5017	59	5017	--	--	--
5018	60	--	2	1.28-31	1.28-31
5019	59	--	--	--	--
5020	59	5020	--	1.32-35	1.32-35
5021	59	--	--	--	--
5022	59	5022	--	2.1-4	2.1-4
5023	59	--	1	--	--
5024	60	5024	2	2.5-8	2.5-8
5025	59	5025	1	2.9-13	2.9-13
5026	60	--	2	--	--
5027	60	--	2	--	--
5028	59	5025	--	--	--
5029	59	5025	--	--	--
5030	59	5025	1	--	--
5031	61	--	3	--	--
5032	61	--	3	--	--
5033	61	--	3	--	--
5034	61	5034	3	--	--
5035	61	5035	--	--	--
5036	61	5036	3	2.14-17	2.14-17
5037	61	--	3	--	--
5038	61	--	3	--	--
5039	61	--	3	--	--
5040	61	--	3	--	--
5041	61	5041	--	2.18-21	2.18-21
5042	61	5042	--	2.18-21	2.18-21

<u>Context</u>	<u>Trench</u>	<u>Plan</u>	<u>Section</u>	<u>C/S</u>	<u>B/W</u>
5043	61	5043	--	2.18-21	2.18-21
5044	61	5044	--	2.18-21	2.18-21
5045	61	5045	3	2.18-21	2.18-21
5046	61	5046	--	2.18-21	2.18-21
5047	61	5047	3	2.18-21	2.18-21

Level III Index.

Context	Group	Phase	Page
5001	1a	V	12
5002	1a	V	12
5003	1c	III	12
5004	1c	III	12
5005	1b	V	12
5006	1b	V	12
5007	1c	III	12
5008	1d	III	13
5009	1d	II	13
5010	1d	II	13
5011	2a	V	15
5012	2a	V	15
5013	2b	III	15
5014	2b	III	15
5015	2b	III	15
5016	1f	II	14
5017	1f	II	14
5018	2c	II	16
5019	1e	II	13
5020	1e	II	13
5021	1e	II	13
5022	1e	II	13
5023	1f	II	14
5024	2d	I	16
5025	1g	I	14
5026	2c	II	16
5027	2c	II	16
5028	1f	II	14
5029	1g	I	14
5030	1g	I	14
5031	3a	V	16
5032	3a	V	16
5033	3b	V	17
5034	3b	V	17
5035	3d	III	18
5036	3c	IV	17
5037	3c	IV	17
5038	3d	III	18
5039	3d	III	18
5040	3d	III	18
5041	3e	II	18
5042	3e	II	18
5043	3e	II	18
5044	3e	II	18

Context	Group	Phase	Page
5045	3f	I	19
5046	3e	II	18
5047	3f	I	19

Appendix C.

Finds.

Small Finds

Small Find No. Description

Context 5004

1	copper alloy half penny	
2	Bone knife handle	1650-1750
10	Iron nail?	
13	Iron lump	
15	Iron lump	

Context 5008

3	Lead, molded piece in shape of bird's claw or long plant leaves, purpose unknown	
17	Iron nail?	
18	Lead, folded sheet	
20	Iron nail?	

Context 5010

4	Copper-alloy cistern tap	18th cen
6	Copper-alloy half penny	
7	Copper-alloy button	
8	Copper-alloy thimble, for little finger or child	

Context 5018

22	Bone knife handle	1750-1900
26	Iron nail?	
27	Iron nail?	

Glass.

Context 5003

1	phial neck	1700-1850
3	sherds window glass	

Context 5004

1	body sherd beer bottle	
3	body sherds wine bottle	1700-1900

2	base sherds wine bottle	1780-1810
1	sherd moulded table? glass	1750-1900

Context 5008

1	body sherd brown beer bottle	
11	body sherds wine bottle	1700-1900
1	base wine bottle	1750-1800
2	necks wine bottles	1750-1770
1	sherd window glass	

Context 5023

1	body sherd wine bottle	1650-1800
1	neck sherd wine bottle	1650-1800
3	base sherds Onion Wine Bottle	1700-1730

Context 5026

5	body sherds wine bottle	1700-1900
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Context 5040

2	body sherds wine bottle	1650-1750
1	neck wine bottle	1685-1710
1	base sherd wine bottle	1650-1750

Other Finds

Context 5003

1	frag kaolin pipe stem	undated
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Context 5004

7	sherds Creamware (CREA)	1760-1900
1	sherd Transfer Printed ware (TPW)	1780-1900
2	sherds Post-Medieval Redware (PMR)	1600-1800
1	sherd Border Ware 1 (BORD 1)	1550-1750
1	sherd London Stoneware (LONS)	1670-1900
99	sherds kaolin pipe stem (1 marked "? G")	undated
6	frags kaolin pipe bowl (1 marked "I S", 1 marked "R H" with crown, 1 marked "I M")	undated poss. 1780-1820 undated poss. 1700-1740)
7	frags ungulate bone	undated

6	frags ungulate ribs	undated
1	poultry bone	undated
1	Oyster shell	undated
1	frag light green vessel glass	undated

Context 5005

3	sherds Creamware (CREA)	1760-1800
1	sherd Transfer Printed Ware (TPW)	1780-1800
1	sherd Creamware Blue painted (CREAB)	C18th
1	sherd Chinese Porcelain (CHIN)	1650-1900
32	frags kaolin pipe stem	undated
1	frag Oyster shell	undated
3	frags ungulate rib	undated

Context 5008

50	frags kaolin pipe stem	undated
4	frags kaolin pipe bowl (1 plain, 1 feathered, 1 ribbed 1 marked "I S" on foot	undated undated poss. 1780-1820)
2	sherds Post-Medieval Redware (PMR)	1600-1800
2	sherds Creamware decorated blue (CREAB)	C18th
13	frags Post-Medieval Light Orange (PMLO)	undated
1	frag Tudor Redware (TR)	1500-1550
1	frag green vessel glass	undated
1	frag ceramic tile	undated
1	frag slate	undated
1	poultry bone	undated
2	frags ungulate bone	undated

Context 5010

26	frags kaolin pipe stem	undated
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Context 5015

5	frags kaolin pipe stem	undated
1	sherd Creamware (CREA)	1760-1900
1	sherd Transfer Printed Ware (TPW)	1780-1900
1	frag ungulate bone, butchered	undated

Context 5016

15	frags kaolin pipe stem	undated
3	frags kaolin pipe bowl (1 marked "L S")	undated
3	frags ceramic peg tile	undated
1	frag concrete	undated
1	frag burnt shell	undated

Context 5018

1	sherd Post-Medieval Redware (PMR)	1600-1800
1	sherd Pearlware (PEAR)	1800-1900
30	frags kaolin pipe stem	undated
5	frags ungulate ribs	undated
1	frag ungulate bone butchered	undated

Context 5020

3	frags kaolin pipe stem	undated
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Context 5021

1	sherd Post-Medieval Light Orange	undated
14	frags kaolin pipe stem	undated

Context 5023

4	frags Kaolin pipe stem	undated
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Context 5040

1	Late Stoneware (blacking bottle) (LSTO) marked: "J Bourne & son unreadable Denby Pottery unreadable"	1812-present
2	sherds Post-Medieval Redware (PMW)	1600-1800
4	sherds Borderware (BORD)	1550-1750
4	sherds Tin Glazed earthenware (TGEB) blue decoration	1600-1800
53	frags kaolin pipe stem	undated
6	frags kaolin pipe bowl (1 marked "L I")	undated

3	frags poultry bone	undated
7	frags sheep\goat rib	undated
4	frags sheep\goat bones	undated
1	frag sheep\goat mandible	undated
2	frags sheep\goat skull	undated
1	frag sheep\goat scapula	undated
1	frag sheep\goat clavicle	undated
1	frag bocine rib	undated
2	frags cow bone	undated
1	Whelk shell	undated
9	Oyster shells	undated
1	Cockle shell	undated

Appendix D.

Building Materials revealed at Tilbury Fort, (TF 1-95), By K R Sabel

A trench (Trench 5059) was excavated next to and to the east of the Water-gate, within the fort. Trench 60 was excavated to the east of this trench and trench 61 to the north. At a depth of approximately 0.4 metres below the ground surface a stone and brick surface (context (5025)) and two walls, (5028) and (5030) , were encountered in trench 59. They were left in situ. A peg tile showing its complete dimensions was retrieved from context (5040) in trench 61.

The building materials are analysed using the London system of classification, whereby each type of building material has a fabric number, specifying its form, approximate date range, method of manufacture and constituents. Examples of the fabrics can be found in the reference collections of the Newham Museum Service and/or that of the Museum of London Archaeology Service.

I will first list the building materials observed , by context. This will be followed by a short discussion, after which will follow a description of the fabrics.

Wall (5028):

Dark orange unfrosted brick of fabric 3033 and 3046. c.1450/1480-c.1700.
Only 2 complete examples were visible, 221mmx105mm
x58mm and 220mmx99mmx60mm.

Wall (5030):

Dark orange unfrosted brick of fabric 3033. c.1450/1480-c.1700.
Only one complete example of this fabric was present.
It was 218mmx100mmx64mm.

Yellow Dutch brick of fabric 3036, 102mmx71mm. c.1600/1666-early C18th
Its other dimension was not visible.

Floor surface/s (5025):

Dark orange unfrosted brick of fabric 3033. They c.1450/1480-c.1700.
appeared mostly in the south and were 220-230mm in
length, 95-106mm wide and 50-61mm thick.

Yellow unfrosted Dutch paving brick, 178mm long and c.1600/1666-early C18th
35mm thick, width not visible. Only one example present.

Large finegrain laminated limestone paving slabs of
varying sizes. Three examples were measured:
460mmx310mmx57mm, 510mmx280mm and
388mmx195mmx140mm.

Layer (5040), trench 61:

Peg tile with 1 small peg hole extant. Fabric 2276,
252mm long, 152mm wide and 12mm thick.

c.1500-20th century.

All the orange brick is unfroged, with indented borders and is unevenly fired. The bottoms of the bricks, where visible, are uneven and vary between 50mm and 61mm thick. These features are indicative of pre-18th century brick¹. Only one example, from wall context (5030) was thicker, 64mm thick, which may have been later in date. The Sutler's house is known through map evidence to have stood at this location from some time between 1698 and 1715. If the revealed structures represent its floor, or cellar, and the orange brick is not reused earlier brick, the nature of the bricks would suggest that it was built in the earlier part of the period.

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None of the brick has dimensions similar to that in the Water Gate², which is shorter, 210-213mm long. Except for one brick in wall (5030) which is 218mm long and 64mm thick (the same size as brick found in the deposits in the Place d'armes, TF-89, phase V which may derive from this building) all the brick is thinner than that in the Landport Gate, which is 226mmx103mmx63-6mm (longer than in context (5030)). However, the brick used in floor surface (5025) is within the same size range as that found in the construction or demolition debris in the deposits which form the bank against the West curtain wall (TF-2-90, phase 1). It is therefore possible that the floors revealed in trench 59 are built with reused demolition debris, either from a structure built during the 1670-1683 building programme or from an earlier structure, perhaps the Henrican Blockhouse, which is known to have stood nearby.

Alternatively, the variety of different sized brick used within the 1670-1683 construction programme (see report), shows the wide diversity of brick sizes available in the locality at one time and it is possible that brick of the sizes found in trench 59 was still being made when the Sutler's House was built.

The imported Dutch paving brick could have been contemporary with the Sutler's house's construction, as this type of brick was still in use in the early 18th century.

The fact that the peg tile was complete suggests that it may derive from in situ demolition debris, as more residual material would probably have been more fragmentary. It seems probable that the Sutler's house was roofed with peg tile.

Fabrics³

3033 This fabric represents orange brick made locally of local brickearths. It is sandy and soft, with occasional voids and few inclusions. All the examples found were unfroged. Dark orange unfroged examples of this fabric 217-

¹ Ian Betts pers Comm.

²All dimensions of brick elsewhere in the Fort derive from information recorded on site by the author and mentioned in the section 'Discussion of the Building Materials used in Tilbury Fort' in 'The excavations at Tilbury Fort 1988-1991', Peter Moore 1995.

³The dating of the fabrics derives from an unpublished guide 'Medieval and Post-Medieval Brick and Tile Dating' (January 1995 update) by I Betts of Museum of London Archaeology Service.

236mmx98- 112mm x 50-62mm found in sealed deposits in the Billingsgate excavations, 1982 (BIG-82) date to c.1450/1480 to 1666/c.1700.

3046 This is similar to 3033, though it is sandier.

3036 This fabric represents Dutch paving brick which is mustard yellow, has some silt lensing and is very dense, sometimes with the consistency of stone. Its date range in the London area is c.1600/1666 to early 18th century.

2276 This fabric represents orangy red post medieval peg roofing tile, with occasional quartz and calcium carbonate inclusions. It is laid on fine moulding sand prior to firing and dates to c.1500-c.1900.

Palaeolithic	Roman
Mesolithic	Saxon (pre-AD 1066)
Neolithic	Medieval (AD 1066 -1485)
Bronze Age	Post-Medieval ✓
Iron Age	Unknown

6. PERIOD SUMMARIES. Use headings for each period (Roman; Medieval; etc.), and continue on additional sheets as necessary.

18th\19th. century: Deposits consist of brick and stone floors, and internal wall arrangements of the Sutlers House. Also revealed were modifications of later date.

19th century: Dump deposits, probably to raise floor levels above groundwater of flooding.

20th. Century: deposits consist of post-demolition activity.

7. NATURAL. (state if not observed; please DO NOT LEAVE BLANK)

Type: not observed

Height above Ordnance Datum: not observed

8. LOCATION OF ARCHIVES.

a) Please indicate those categories still in your possession:

Notes _____ Plans _____ Photos _____ Negatives _____

Slides _____ Correspondence _____ Manuscripts (unpub. reports etc.) _____

b) All/ some records have been/ will be deposited in the following museum/ records office etc. : Newham Museum Service

c) Approximate year of transfer: 1995

d) Location of any copies: Newham Museum Service

e) Has a security copy of the archive been made? ~~YES~~/ NO

If not, do you wish RCHME to consider microfilming? YES/~~NO~~

9. LOCATION OF FINDS.

a) In your possession?

~~ALL/ SOME/~~ NONE

b) All/ some finds have been/ will be deposited with the following museum/ other body:
Newham Museum Service

c) Approximate year of transfer; 1995

10. BIBLIOGRAPHY.

Beasley, M., 1991, "Excavations at Tilbury Fort, Essex, TF1-92. Summary of Watching Brief, TF2-91", unpublished report, Newham Museum Service

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Sabel, K.R., 1991, "Excavations at Tilbury Fort, TF2-90", unpublished report, Newham Museum Service

Saunders, A.D., 1960, "Tilbury Fort and the development of artillery fortification in the Thames Estuary", the Antiquaries Journal, Vol.XL, p.152-174

Saunders, A.D., 1980, "Tilbury Fort"

Wilkinson, Patricia, M., 1983, "Excavations at Tilbury Fort, Essex", Post-Medieval Archaeology, Vol.17, p.111-162

Also consulted: English Heritage Map Room and Public Record Office.

SIGNED: *Beasley*

DATE: 26.05.1995

NAME (Block capitals): M. Beasley

Please return completed form to The Greater London Sites and Monuments Record, English Heritage London Region, 30 Warwick St., London W1R 5RD. Tel. 0171 973 3731/ 3779 (direct dial).