

BEAVERBANK PLACE, EDINBURGH

Archaeological Excavation

for CCG (Scotland) Ltd

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ARCHAEOLOGICAL EXCAVATION

PROJECT SUMMARY

Headland Archaeology (UK) Ltd undertook an excavation of a proposed development site at the east side of Beaverbank Place, Edinburgh. The work was part of a programme of archaeological work commissioned by CCG (Scotland) Ltd as part of the planning conditions placed on the application by the City of Edinburgh Archaeological Services (CECAS). The excavation followed on from a trial trenching evaluation carried out in April 2018 that recorded the presence of a series of tanning pits belonging to a 19th century tannery located in the south half of the site.

The excavation was carried out in two parts for logistical reasons, but the two areas reflected the differing histories of the two parts of the site. The north area largely contained features associated with buildings depicted on maps from 1877 onwards. The early buildings were cleared from the area around 1910 and a garage was built on this part of the site by the 1930s. These buildings were not demolished until recently.

The south area was dominated by the tannery built during the third quarter of the 19th century. It comprised around 100 tanning pits. There was some evidence of minor alterations to the pits over time and some later pits to the south had improved designs with drains built into the base of the pits. The tannery went out of use and was converted into a cooperage in the late 1930s or early 1940s.

An earlier stone-line rectangular pit was uncovered below the tannery at the south end of the site. Although it is of unknown date, its fill contained 19th century pot sherds and it is thought to be related to Logie Mill located nearby.

INTRODUCTION

This document presents the results of an archaeological excavation undertaken by Headland Archaeology (UK) Ltd for CCG (Scotland) Ltd ('the client') at the development site on Beaverbank Place, Edinburgh. The excavation constitutes the next phase of the archaeological works following on from an archaeological evaluation carried out in March 2018.

Planning Permission was granted in 2013 for the development of land at Beaverbank Place, Edinburgh (13/03575/FUL). The condition attached to the planning permission stated:

No development shall take place on the site until the applicant has secured and implemented a programme of archaeological work (excavation, historic building recording, reporting and analysis and publication) in accordance with a written scheme of investigation which has been submitted by the applicant and approved by the Planning Authority.

The required archaeological works were outlined within a Written Scheme of Investigation (WSI) prepared by Headland Archaeology (UK) Ltd (McFarlane 2018), which was approved by the Planning Authority.

The excavation was carried out between the 2nd and 26th July 2018 during a period of mostly dry sunny conditions.

SITE LOCATION AND DESCRIPTION

The proposed development is located immediately east of Beaverbank Place, Edinburgh (centred on NT 2551 7524; Illus 1). It is characterised by open rough ground, bound by Beaverbank Place to the west, existing industrial units to the north, a car park to the east and by properties facing onto Broughton Road and a children's playground to the south. The site is 61m long, up to 28m wide and aligned NNW to SSE. The whole site covers an area of some 1510 m². A BT cable runs EW across the site approximately 20m from the northern development boundary.

The underlying geology comprises levels of the Gullane Formation, a sedimentary rock of the Strathclyde group, and the overlying superficial geology comprises raised marine deposits, predominantly sands and gravels (NERC 2016).

ARCHAEOLOGICAL BACKGROUND

Mapping from the mid-18th century (Roy's Map, 1747-55, not illustrated) indicates the presence of a mill lade running from Canon Loch through the general vicinity of the development and then on to the Water of Leith to the north. A building is shown on the south side of the mill lade at the point the lade turns to the north. This is thought to be Logie Mill, but the specific location of the structure cannot be accurately located from Roy's map. By the mid-19th century the mapping is more accurate, and it is clear that Logie Mill and the mill lade lie outside the development area to the south-east (Ordnance Survey 1852; Illus 2A).

The land to the north of the mill is depicted on the 1852 map as a sub-rectangular field bounded to the south and east by the mill lade and to the west by a road lined by trees. On Robert Kirkwood's plan from 1817 it was labelled as 'CLARKS MILL BLEACHFIELD. Mr HAY'S PROPERTY' (Kirkwood 1817).

By the time of the OS second edition survey in 1877 a tannery and skinnery has been built in the southern half of the development (Illus 2B), joined by further buildings in the north of the site by the publication of the 1894 Ordnance Survey (Illus 2C). During the first decade of the 20th century the structures at the north end of the area were demolished and replaced by a garage, first depicted on the 1931 OS survey (Illus 2D).

Prior to the archaeological evaluation carried out in March no intrusive archaeological works had taken place within the development area, however, evaluation and excavation had taken place on the ground to the west and north. This revealed that the infilled mill lade survived to the west of the current development area between Logie Green Road and Beaverbank Place. The construction cut for the lade and the lade wall itself survived well, with evidence of it having been re-cut or repaired present. A well and sub-rectangular structure, both possibly contemporary in date with the lade, were recorded to the south. A small amount of metalworking debris was found in association with the sub-rectangular structure, suggesting it related to small scale industrial activity, possibly linked to the construction of the lade itself (Wilson 2014). A large cut containing late 17th-century and early 18th-century midden material was present at the west of the development, south of the lade. This cut may have been a substantial waste pit but alternatively could have related to the construction of the lade on an earlier, more southerly alignment (van Wessel 2009).

Beyond the northern limit of the current development area, an arrangement of four tanning pits was noted, with the remains of timber planks forming a channel found in the centre. An organic deposit containing fragments of animal bone, cattle horn, 19th- and 20th- century pottery and leather fragments was also recorded to the west of the tanning pits (Scott 2011). This demonstrated the potential for organic material to survive in the area to the north of the development area. The foundations of an iron foundry, along with the foundation walls of a skinnery dating to the 19th century were also discovered to the north of the development area.

The evaluation carried out in March 2018 comprised the excavation of six 16m long archaeological evaluation trenches (Illus 1). Upstanding remains were recorded in all six trenches, the majority of which related to buildings depicted on the 1877 and 1894 Ordnance Survey maps. The most prominent features were a series of brick-built pits recorded in two trenches. These included brick walls and floors and were interpreted as tanning pits associated with the 19th-century Tannery. A limited number of additional brick walls relating to the tannery building were also recorded to the south half of the site. Walls associated with later phases of expansion and alteration were recorded to the north half of the development area although these were mostly limited to foundations.

AIMS & OBJECTIVES

In general, the purpose of the excavation was to mitigate the loss of any archaeological remains as a result of the development. The specific aim of the excavation was to preserve the tannery and associated structures by record, and to establish whether any earlier remains were present. Were such remains found, these would also be preserved by record.

The resulting archive (finds and records) will be organised and deposited in the Scottish National Records of the Historic Environment (SNRHE) to facilitate access for future research and interpretation for public benefit.

METHODOLOGY

Excavations

No spoil was to be removed from the site during the excavation, so excavation had to be carried out in two phases to allow the unexcavated part to be used for storage. As a 4m wide unexcavated buffer had to be maintained along the BT cable, this provided a suitable split between two areas, with the northern part forming roughly a third of the site, and the southern part roughly two thirds (Illus 1).

A boundary wall ran along the north limit of the site, and the 4-storey gable end of a tenement building formed the south-western boundary; a 3m wide buffer was set out along these sections of the development boundary to avoid undermining the stability of these walls. A 3 to 4m wide buffer zone was also set out along the west edge of the southern area to avoid live cables detected during CAT-scanning prior to the excavation.

Overburden across the site was removed using a 21 tonne 360° excavator fitted with a toothless bucket. Prior to work commencing, it was agreed with the Council Archaeologist that some removal of infill of structures could be carried out using the mechanical excavator with narrow buckets. Cleaning and recording of the structures were all done by hand. It was also agreed that not all examples of similar structures would need to be excavated (eg tanning pits). An appropriate proportion would be excavated to determine their nature and sufficiently understand the sequence of activity. Around 50% of the pits were excavated.

Suspected asbestos was discovered in two areas on site; one in association with a concrete plinth in the north area, and the other along the eastern limit of the southern area. Following discussion with Headland Archaeology's Health and Safety advisors, it was agreed that these areas would be off limits for excavation and fenced off accordingly.

Once excavation and recording of all structural elements of the tannery were completed, they were removed by machine to establish whether any earlier features were present. Where necessary, concrete floors and foundations were removed with a toothed bucket. A ditching bucket was then used to expose the underlying surface down to the geological subsoil.

Recording

All contexts were given unique numbers. All recording was undertaken on pro-forma record cards and digital photography was used to record any archaeological features with a graduated metric scale clearly visible.

A site plan including all identified features, areas of excavation and any other relevant information was recorded digitally by a Trimble R8S network GPS connected to the VRS network correction. Where required, sections were drawn at 1:10. In addition to the digital survey, both the northern and southern areas, and selected features were recorded at an enhanced level using digital photogrammetry (Illus 3).

Reporting and Archive

The results of the works are presented below. Full descriptions and technical details of individual contexts are presented in Appendix 1. A summary report has been prepared for submission to Discovery & Excavation in Scotland (Appendix 2) and the OASIS database (headland1-312319).

The complete project archive will be deposited with the Scottish National Record of the Historic Environment (SNRHE) within six months of the completion of the project. The records (paper and digital) will be archived according to best practice guidelines set out by the Archaeological Archiving Forum (2011).

RESULTS

The features uncovered within the two areas were quite distinct, with the north area containing concrete wall foundations in the east half and a series of pits and post-holes to the west, and the south area dominated by a large complex of over 90 brick tanning pits.

North area (Illus 4)

The north area measured some 17m east to west by 24m north to south. The east half was dominated by a series of concrete wall foundations all lying close to the present ground surface while the west half contained a series of features cut into natural gravels. The structures present appear to relate to three phases of activity; the initial construction of the Tannery in the 1860s, the expansion of the complex in the late 19th century, and the replacement of the tannery buildings with a garage in the first part of the 20th century.

The earliest features within the area were a row of five post-holes [061], [029], [031], [034], [036] aligned north to south some 3m in from the western edge of the area (Illus 5). They were relatively evenly spaced 1.9m to 2.3m apart and three of them still contained the stub of the wooden post. The post-holes measured between 0.7m and 1.1m in diameter and were up to 0.6m deep cut into the natural gravels.

The features relating to the expansion of the tannery into the northern area were fragmentary in nature. They comprised a series of pits and structures, generally cut into the natural gravels. The main structure was a rectangular brick-built feature [046] aligned WSW to ENE. It comprised the remains of a double-skinned brick wall with a 0.27m wide gap between the two (Illus 6). The structure extended beyond the north edge of the excavation area with only the south part of it exposed, however, the northern wall [4007] was exposed during the evaluation indicating it was 2m wide internally and 3.5m long. The western wall of the structure lay below concrete foundations [049], forming part of an earlier phase of buildings in this area. Associated with structure [046] was a fragmented area of paving [045] comprising closely fitted square slabs of fired clay 0.3m by 0.3m by 0.05m thick, laid on top of a 0.05m deep layer of light grey sand (044).

Two shallow features cut into natural gravels were uncovered some 5m to the south-east of the paving. They comprised two oval pits [087], [089] 0.6m to 0.7m across, less than 0.1m deep and cut into natural gravels. The pits were set 2m apart on an east to west alignment parallel with the majority of the buildings in the area. The features clearly pre-dates the rectangular building associated with the later concrete foundations [049/053], [008] and [051] in this part of the site.

The base of a brick-built man-hole [093] was located some 2m to the south of pit [089], measuring 1.45 by 1.4m. The basal course of the single brick wall survived along the south-east side of the structure. The feature lay below the concrete foundations [050] of the later rectangular building in this area. A square plinth [017] made of bricks and concrete was located in the west half of the area. It measured 1.35m by 1.35m and was 0.5 m deep. Vertical iron rods were anchored at the corners of the plinth likely for securing a metal superstructure to the plinth.

In the area to the south and the northwest of the plinth was a series of pits cut into the natural gravels; pits [018], [024], [028], [039], [040] and [060]. One of the pits [018] contained a barrel lining 0.9m in

diameter and over 0.7m deep (Illus 7). All wooden elements of the barrel had disintegrated but the iron hoops still survived *in situ*. The basal layer (020) was 0.15m thick and comprised clinker; above this was a uniform deposit (021) of clean clay 0.22m thick. The upper deposit (022) was 0.45m deep and comprised gravel and rubble representing rapid infill of the barrel lined pit. Two of the other pits, [024] and [039], were elongated aligned north to south parallel with general alignment of buildings in this area. The others were sub-circular in plan, up to 1.3m across and 0.25m to 0.4m deep.

The final phase of activity in the northern area is defined by a concrete wall foundation aligned NNW to SSE [049/053] (Illus 8), running NNW-SSE. The foundation was between 0.7 and 0.9m wide and up to 0.5m thick. Remnants of the basal brick courses of wall [048/052] survived in places. From this it could be seen that the wall was built from a combination of headers and stretcher bricks 0.36m wide. Perpendicular to this were the concrete foundations of two walls [008] and [051]. Remnants [048] and [050] and imprints [011] of brick walls were also present on these foundations suggests that they were part of the same building, and form the north, west and southern walls of a rectangular room measuring 4.8m wide by over 10m long. Two small areas of brick flooring [001] and [007] were present in the northeast corner of the area, at a level corresponding to the concrete foundations, suggesting that the northern part of the structure at least had brick floors.

At the north edge of the site a brick-built rectangular pit [043] was uncovered (Illus 9), aligned WSW to ENE and measuring 2.5m by 1.5m externally. The walls survived to a height of 0.9m (10 courses) and were built from a single line of bricks resting on a brick floor. The external face of the southern wall was largely exposed, and shown to be of very rough construction, with the construction cut for the pit filled with a mix of mortar and bricks. The level of the construction cut would suggest it is contemporary with the concrete foundations [049] to the west.

A second rectangular brick-built pit [013] also aligned WSW to ENE was uncovered around 8m to the south-west (Illus 10). It measured 4.6m by 1.5m externally, was cut into natural gravels and filled with demolition rubble containing CBM, glass, metal and fabric. The walls survived up to a height of 0.7m (7 courses) and were constructed from a double line of bricks resting on the concrete base of the pit. The lower 6 courses were stretchers while the top surviving course comprised of headers. Mortar remains on the top course indicated that walls were truncated at the top. There was a circular hole 0.1m in diameter in the concrete floor 1.45m from the north-east end. Rust stains around the hole indicate that it may have had a metal cover. A mound of corroded ferrous material was located at the south-west corner of the pit.

A rectangular brick-built structure [056] was uncovered at the south edge of the area (Illus 11). It was aligned WSW to ENE, measured 3.75m by 1.83m externally and was cut into natural gravels. The walls were 0.29m wide, over 0.75m high and the fabric consisted of a combination of headers and stretchers. The brick structure enclosed a cylindrical metal tank, 2.3m long and 1m in diameter. An oval opening measuring 0.4m by 0.2m at the west end of the top of the tank was framed by a square brick chamber mortared on to the tank. An iron pipe was incorporated into its south wall, presumably leading into the tank, but broken off just inside the chamber. There was a raised lip around the hole, likely for fixing a cover over the hole. The south end of the pipe extended into the unexcavated BT buffer zone to the south.

South area (Illus 12)

The south area was 25m wide by 36m long north to south. With the exception of a narrow strip of to the north and north-west the entire area was covered by the mid-19th century tannery and its associated brick-built structures. Most of the footprint of the building comprised a grid of tanning pits arranged in 9 to 11 pits east to west (described as rows) by 8 to 10 pits north to south (described as columns) containing 78 fully exposed pits and eight partially exposed pits. These pits were contained

within an external brick wall, sitting on a series of sandstone foundation blocks [253] forming a rectangular building. The eastern limit of the building extended beyond the limits of excavation, but the exposed part measured 21.4m by over 18m.

The pits within the wall varied in size but appeared to have been laid out in four blocks, A to D, with the pits of each block being of a similar size. All pits were constructed of brick, with brick bases. Distinctions between areas could also be identified on the basis of the thickness of brick walls between pits. A further block, Block E, abutted the southern extent of the building adjacent to Block D.

Block A (Pits [170]-[177], [186]-[192], [208]-[215], [235] and [260]-[263])

This block of pits occupied the north end of the building. It comprised four rows of at least eight pits and was overall 7.5m wide and at least 17.5m long. All pits were 1.58m wide internally. The four pits in the west column (260-63) were of the same size; 1.9m long. They had been built up against the external wall of the building by adding a third row of bricks against the inner west wall, creating a ledge along the inner walls that could support planks or boards. The three other sides of the pit were all two bricks wide.

The next four columns comprised pits that were all 2.05m long with the exception of pit [211], which double that. This larger pit had been created by the removal of the wall between two neighbouring pits in the north row. The scars of the removed wall were clearly visible in its the base and up the inside of its north and south wall (Illus 13).

The last two columns comprised pits of different lengths. Three of the four pits in the top two rows - [172], [174] and [175] - were all the same length as the pits in the four columns to the west and pit [173] at the north-east corner of the area was not fully exposed but is likely to have been the same size. Features of note are that the north wall of pit [174] had been widened with an extra row of bricks, built up against the existing double-width brick north wall of the building (Illus 14).

The four pits in the lower two rows were two different lengths. Pits [176] and [177] in the 6th column were both shorter than the pits to the north and west at 1.5m instead of 2.05m. The eastern walls of both pits were single thickness, rather than double as seen in the majority of the rest of the pits.

In the 7th column along, pit [171] measured 3.2m long and was bounded by single thickness brick walls to the east and west. As with pit [211] there was evidence that several compartments had originally been present, and the excavated layout was the result of the removal of walls between neighbouring pits in the same row (Illus 15). The pattern of brick in the base and marks on the inside of the walls indicated that there had been two double brick partition walls 0.29m wide and lying 1.1m apart, dividing the pit into smaller compartments. The ghost of a third removed wall was recorded near the middle of the pit. The width indicated that these had been single brick thickness walls.

It is possible that the pits [176] and [171] originally had been four smaller pits 1.1m wide, that later had been modified into three pits some 1.55 m long by removing three double brick walls and inserting two single brick walls. Later the east wall was removed creating one smaller [176] and one larger pit [171].

Regardless of size, the interior of most of the pits was the same; a box comprising a brick floor and walls with no internal features. In Block A the exception to this was four pits in the north row which contained three large cuboid concrete blocks. The block in pit 260 at the north-west corner of the tannery had a concrete block set into its north-east corner. The block measured 1.2m east to west by 0.63m wide and 0.28m thick. It was not incorporated into the construction of the pit but had been cast *in situ* after the pit was built. A second block of concrete (237) spanned the next two pits to the east (212, 211). It measured 2.3m east to west by 0.7m wide and 0.3m thick. It appeared to have been

poured around the double brick dividing wall between the pits. The block was cast up and over the basal courses of the north wall only leaving a single width brick wall on the outside. This would have involved the removal of the inner skin of bricks in the north wall of the building which also indicates that it was a later insertion. The third concrete block (236) was set into pit 174 (Illus 14). The block measured 1.5m east to west by 0.5m wide and 0.3m thick. It had been cast *in situ* up against the north-east corner of pit.

Block B (Pits [197]-[200], [203]-[207], [216]-[220], [222]-[229] and [264]-[265])

This block was located along the west side of the tannery immediately south of Block A. It comprised four rows of five pits and one row of four pits and was overall 7.2m wide east to west by 9.6m long. All pits measured 1.7m north to south internally. The five pits in the west column (265, 226-29) were all of the same size as pits 260-63 in Block A to the north; 1.9m long. Similar to the Block A examples they had been built up against the inner wall of the building by adding a single layer of bricks against the wall with the other interior walls of the pits being all two bricks wide. The two excavated examples in this row – pits [226] and [228] had faint marking on the floor and inner walls indicating that they had been sub-divided into two by a double brick wall running north to south creating two compartments; one 0.98m wide to the west and one 0.5m wide to the east (Illus 16). It is likely that this sub-division also occurred in the three un-excavated pits in this column.

None of the five pits (264, 222-25) in the second column were excavated, however, they were all of the same size, measuring 1.7m by 1.44m. The next three columns (pit [197]-[200], [204]-[207] and [216]-[220]) comprised pits of the same size at 1.65m by 1.16m, with the exception of pit [203] in the bottom row which was double width. Pits [216] – [220] had been fully excavated during the evaluation phase of works, and pits [197] and [199] were also investigated during the excavation.

Block C (Pits [162]-[169], [178]-[185] and [193]-[196])

Block C occupied the south-east corner of building. It comprised four rows of five pits (with the furthest east column only partially exposed) and measured 10m north to south by 9.6m east to west. The south edge of the block was defined by the outer double brick wall enclosing the building. All pits measured between 2.2m and 2.3m north to south. The twelve pits in the three western columns – pits [178]-[185] and [193]-[196] - were all of similar width at 1.55m. The internal walls between these three columns of pits were single brick thickness and constructed from yellow bricks slightly bigger than the standard red brick used in the other walls. Six of the twelve pits (pits [179], [181], [183], [185], [194] and [196]) were excavated, and all had traces of cement rendering on the walls. This was particularly apparent on the north to south running walls dividing the columns (Illus 17).

Pits [185] and [183] were located in the second column. The pattern of bricks in the floor and faint marking up the inner walls indicated that the pits had been sub-divided into two by a double brick wall running north to south creating two compartments 0.65m wide (Illus 17). It is likely that this sub-division also occurred in the two un-excavated pits in this column. Traces of a double brick division wall was also recorded in pit [194] (Illus 18), running east to west.

Block D (Pits [135], [137], [139], [141], [201]-[202], [221] and [230]-[233])

This block lay to the south of Block B, extending out beyond the rectangular plan of the building. It contained one row of five pits and one row of six pits all measuring 1.75m north to south. Pit [221] in the northern row was twice as wide as the other pits within this block and had the traces of a double brick wall running north to south dividing it into two halves (Illus 19), suggesting Block D had originally been constructed as a set of 12 equal sized pits 1.75m long by 1.1m wide. Similar to the northern enclosing wall of the building as a whole, the southern row of pits had an additional single thickness brick wall built up against the interior of the outer wall.

The brick floor of pit [221] contained two bricks stamped 'EDMONSTONE FIRE CLAY WORKS DALKEITH PATENT', indicating the bricks were made locally (Illus 20).

Block E (Pits 107, 109 and 126)

A fifth block of pits abutted the external wall of the main building containing Blocks A – D, measuring 5.9m east to west by 3.7m north to south. It contained three rows of pits, the northern and middle rows containing a single pit and the southern one, two pits. As with other tanning pits in the complex, the northern row contained traces of three single brick walls running north to south at regular intervals, dividing pit [126] into four equally sized square pits, measuring 1.2m by 1.2m (Illus 21). At the south-east corner of each of the compartments was a hole in the floor, which led into the channel forming the middle row. The three holes to the west were all rectangular measuring some 0.25m by 0.23m containing remains of wood lining. The westernmost hole contained a pipe sealed with a circular iron lid with a metal hoop (Illus 22).

Pits [107] and [109] occupied the south row of the block. They were both 1.3m wide and 2.5m long, separated by a single brick wall. Pit [107] at the south-east corner was excavated and similar to pit [126] there were traces of a single brick wall that divided the pit into two equal size compartments 1.2m square (Illus 23). A rectangular drain hole in the north-east corner of the pit had traces of wood lining with a round plug sealed the pipe. A rounded lump of concrete immediately to the west of the location of the removed brick dividing wall indicated that a drain had been sealed off. A rectangular hole at floor level in the middle of the western wall of pit [107] suggested that both pits could be emptied through the drain at the north-east corner of pit [107] (Illus 24).

The evidence from the excavation of pits [126] and [107] indicate that this was originally a block of eight equal sized pits all with drains leading into a pipe located within the middle partition. Later the four pits to the north were combined into one long pit [126] while the pits to the south were made into two pits [109] and [107] linked through a hole in the partition wall.

Between the northern and southern rows was a rectangular partition 5.2m long by 0.7m wide filled with natural brown sand (Illus 24). Although unexcavated, it appears to have formed a channel for drainage which then fed into the overall drainage system through manhole [099], described below.

Other structures in South Area

The area to the south and east of Blocks C, D and E contained further structures forming part of the tannery. Two conjoined pits [100] and [102] were located 2.5m east of block E (Illus 25). Evidence of a third pit further to the east was suggested in the eastern wall of pit [100] but was not uncovered due to the asbestos exclusion zone. Pit [102] measured 2.5m east to west by 1.8m. Pit [100] was orientated north to south and was 2.2m long by 1.8m. Both pits had rendered walls and bases and rectangular drain holes close to their southern walls. Much of the double thickness brick dividing wall between the two had been removed but a wall stub and scar in the floor indicated that it had extended 1m south from the north-west corner where it joined the single brick east wall of pit [102] (Illus 26) and both extended to the southern wall.

A narrow brick trough was built up against south wall of Block C (Illus 27). It measured 3.2m north to south by 0.6m wide internally and between 0.18m and 0.3m deep with the brick base sloping significantly towards the south end. Roughly halfway along the trough were opposing two brick pillars narrowing the width to 0.25m. A ceramic pipe was set into the bottom of the southern wall of the trough (Illus 28). The brick pillars may have supported a removable board sealing off the north end of the pit, while the sloping base down to a drain hole could indicate that the trough was used for rinsing. The drain likely ran off into the main drainage system represented by pipe [143] and manhole [099].

The trough was bordered by rectangular raised brick floor surfaces [160] and [234] to the east and west, which were rendered in concrete.

A rectangular brick structure [104] 1.5m north to south by 0.65m wide and 0.75m high was located some 1m to the west of [160]. It comprised two solid brick pillars both measuring 0.5m by 0.65m, with two single thickness brick walls between the two pillars, forming a square cavity 0.45m by 0.45m (Illus 29). The solid construction of the two pillars suggests they may have supported heavy equipment or machinery within the tannery.

A rectangular brick-built man-hole [099] measuring 1.05m east to west by and 0.57m wide lay immediately south-west of pit [132]. The north and south walls were double thickness brick while east and west were both a single brick wide. The man-hole was located over a ceramic drain [143] draining towards the east, terminating beyond the excavation limit. The man-hole is likely to link the main drain from the pits in Block E to the west with the drain from pits [131] and [132] to the north-east.

A row of five pits [080], [082], [084]-[085] and [116] extended east to west across the south end of the site (Illus 30). Pit [085] largely extended beyond the limits of excavation to the east. The northern and eastern walls of pit [116] were exposed but it was not excavated as it lay within the buffer zone around the gable end of the tenement. The three middle pits were all excavated and shown to be 2.1m wide by 3.85m long with concrete rendering on the base and inside walls. The southern walls were three bricks wide while the northern and dividing walls were all two bricks wide. The western wall of pit [116] where seen in plan was three bricks wide, suggesting it was an external wall forming the end of the group of pits.

The rendering at the base of pit [080] was patchy compared to both pit [082] and [084] (Illus 31). The only internal feature was a drainage hole up against and near the middle of the south wall. Pit [082] had a circular drainage hole at the south-east corner and a round pipe was built into its west wall at floor level connecting it to pit [084] to the west (Illus 32).

The rendering in pit [084] was also largely intact. With the exception of the pipe connecting it to pit [082] to the east there were no drainage hole within the pit. However, there was a low plinth in the floor set against the south wall, indicating that a drain hole has been sealed off. In the west wall of the pit was a brick pillar 0.4m wide and 0.5m high. The purpose of this feature is unclear but it might be sealing off a connecting pipe to the pit to the north (Illus 33).

Supporting columns

A series of hollow cast iron columns were recorded within the pit complex. The columns were all broken off at the current ground level. They were set in four rows defining the interior of the building as a whole. The pillars were all 0.23m externally, made of cast iron 0.05m thick. The columns in the south row were all set into external walls and fully exposed. The columns were resting on square sandstone slabs measuring 0.8m by 0.7m by 0.25m, resting on concrete foundations up to 0.3m thick (Illus 34). Although broken off above ground level, they appeared to be modelled on classical Greek columns with a square base plate, above which two column rings formed the interface with the shaft (Illus 35).

The north row defined the junction between Block A and Blocks B and C. It contained three columns set 4.6m and 4.25m apart. The second row also contained three columns, however only the easternmost column lined up with that to the north. The westernmost column of the second row had to be incorporated into the wall between Pits 224 and 218 to be in line with the two columns to the east. The third row contained four columns, three of which lined up with those to the north, and one of which (the westernmost one) was set between pits [230] and [221].

The south row comprised six columns, spaced equally across the external enclosing wall of the main tanning pit complex. The three columns to the west were incorporated into the south wall of Block E, one at each corner and one in the middle. The three columns to the east were set into the south wall of pits [131] and [132], with one column at each corner and one in the middle.

Structure [147]

Abutting the west wall of Block D was a rectangular structure [147] aligned east to west truncated at the west end. The structure comprised at least five divisions or rooms, split by internal brick walls.

The northernmost room was 3m wide and at 5.2m long internally. The structure was defined by two parallel single brick walls [254] and [155] set one brick width apart forming a 'cavity wall', similar to that seen in the rectangular structure [046] at the north end of the site. In the south-east corner of the structure was a rectangular area 0.85m by 1.9m framed by bricks enclosing two sandstone blocks [252]. Thick deposits of lime covered most of this area and extended into the north-east corner of the room (Illus 36). Remains of a brick floor surface [250] were also found in the south-east corner of the structure.

The adjacent room to the south measured 3.9m wide and at least 4.9m long. Both the north and south walls was of the 'cavity wall' construction; in the south wall, the inner skin had been removed in two places, possible an indication of window openings. A return of the southern wall extended for 0.8m and had a finished north end, further evidenced by the termination of the concrete foundation [249] below. There were no traces of the wall further to the north and it appears that this room had been open to the west.

The room had been divided into two parts by a single brick wall [153], 2.5m long extending north from the south wall, with the surviving basal course comprising headers resting on a concrete foundation [248]. A 1.4m wide gap at the north of the wall provided access into the eastern part. A sandstone block [157] in the east wall of the eastern part lay at floor level and was flush with the outer; it may indicate a door opening between building [147] and the main tannery complex.

The southernmost part of the building was also split into two rooms, on a slightly different alignment from those to the north. Overall, they measured 4.5m north to south by 4.7m long. The southern wall of both was formed by the north wall of an unexcavated structure to the south abutting the western side of [116]. The westernmost of the two rooms measured 4.5m by 2.9m and the floor of the room comprised a packed soil level with the concrete wall foundations running along the walls on the inside of the room. A metal pipe ran from the north-east corner into the room immediately to the north.

The western room was 1.4m wide. As with the room to the north, the west wall did not extend fully across the room. It measured 1.7m long, terminating and leaving a wide gap at the north.

The remains of a double thickness brick wall [144] were uncovered along the western edge of the excavation, probably forming part of Structure [147]. It was only partly exposed and comprised a single course of a double brick wall. Remains of wood timbers lying along the length of the bricks (although not *in situ*) indicate this was likely a wooden wall resting on brick foundations (Illus 37).

Structures below tannery

Following excavation and recording of all elements of the tannery buildings, they were removed by machine to establish if there were any older surviving remains below the tannery. This process showed that the majority of the foundations were cut into the natural gravels and no earlier deposits or structures survived. However, at the southern end of the site, below pits [080], [082] and [084] a stone-built pit structure was identified in association with two sections of drain.

The rectangular stone-lined pit [276] was aligned east to west and extended beyond the southern edge of the site. Despite a prolonged period of dry weather, ground water began to rise up from below at the level of the top of the pit edges (Illus 38). Pumping the water out allowed the structure to be exposed and recorded in plan, however, further hand-excavation of the feature was not possible. A machine slot was excavated through the walls of the structure, which established that the walls were built of squared stone rubble, survived to a height of 0.65m and that there was an internal floor made from stone slabs (Illus 38 and 39). The structure measured 4.2m in length and at least 1.65m wide. The level of the surviving tops of the walls in relation to the ground water levels make it unlikely that this was a structure intended for storage or habitation; rather it would have been constructed as a pit in the ground, similar to the tannery pits. The gaps between the stone lining of the pits had been stuffed with moss, either suggesting a rudimentary form of waterproofing for the pit, or it may have had a chemical or biological function for the water retained in the pit. The upper fill of the structure contained a well-preserved fragment of a barrel lid (visible in Illus 39) and 19th century pottery.

Drain [270] ran east to west to the north of structure [276]. It had a V-shaped profile, was stone lined on the sides and capped with flagstones. It was 0.9m deep, 0.5m wide at the top and 0.2m wide at the base. A rubble drain [273] was also uncovered cut into natural silts at the south-east corner of the site. It ran from the north-east corner of [276] and continued east beyond the limits of excavation. The drain was up to 0.5m wide and seen for 3.7m. It was filled with angular stones c0.15m in diameter and is likely to be associated with the stone structure.

Later structures

A total of six large concrete blocks were partially exposed at the eastern edge of the excavated area. They were up to 1.1m high and 1.5m wide. A single concrete block was cast up and over wall [148] forming part of structure [147] at the south-west corner of the area. It measured 1.7m by 1.3m and was some 0.7m high. These blocks are likely to be foundations for weight-bearing pillars of 20th century buildings occupying the footprint of the mid-19th century tannery.

Discussion

The oldest feature uncovered was the stone structure [276] at the south end of the site. It clearly pre-dates the tannery pits built on top of it. The function of the sunken structure, or pit, is not clear. It has a similar form and dimensions as some of the brick tanning pits recorded in the main complex to the north, however its dry-stone construction means that it could not be water tight. The moss used to fill the gaps between the walls would to some degree address this problem but regardless any liquid stored within the pit would leak through the walls. However, the pit was cut at a level just below the water table, meaning it could have functioned to fill up with water gradually, with the moss acting as a filter. Alternatively, it could have worked as some form of well.

Early OS maps provide a key to dating most of the structures uncovered on the site. The 1st edition OS survey from 1852 shows no indication of any structures where the stone pit is located (Illus 2A). However, it lies only some 2m north of the mill lade, and less than 10m from the building complex of Logie Mill to the south-east. It is therefore most likely that it somehow is associated with the mill.

The capped drain [270] is not likely to be associated with the stone-lined pit as its base was level with the top of the structure. It is most likely to have been constructed in preparation for the construction of the main parts of the tannery.

The tannery is first depicted on the 2nd edition OS map from 1877 (Illus 2B) and was constructed sometime between the surveys of 1852 and 1877. Two stamped bricks recorded during the evaluation

phases identify the bricks as being made by The Edmonstone Fire Clay Works at Dalkeith. The date range of brick production at this site spans the early 1850s through to the 1870s (Scottish Brick History), which does not help to clarify the exact date of construction of the tannery.

The 1877 OS map reflects the extent of the tannery and the associated buildings and matches well with the majority of features uncovered in the south area. Internal wall divisions marked on the map can be understood when considered against the excavated evidence. The main building of the tannery is split into two, with a larger northern portion and smaller southern one. The northern section of building on the map lines up with Blocks A to D, and the southern portion with the more open (but still roofed) area to the south of the grid of tannery pits. Structure [147] to the west of the blocks also matches up with two smaller divisions within the overall structure. In the northern area, post-holes [061], [029], [031], [034], [036] identified in the west line up with the eastern side of a single roofed structure.

The overall layout of the southern area does not change significantly in the last decades of the 19th century, and the 1894 OS map merely shows the southern building with no internal divisions. However, the northern part of the site has been more extensively developed. The original building at the west has been divided into two smaller structures and buildings line the northern and eastern limits of the site.

Based on stratigraphy and location several features have been attributed to this 1890s phase. The rectangular brick-built structure [046] and its associated tiled floor surface [045] lie within a rectangular building. The base of the brick-built man-hole [093] lie within open ground just south of the building. A small group of features cut into the natural gravels in the west half of the area including the barrel pit [018] have also been allocated to this 1890s phase and would sit within open ground adjacent to the structures.

One of the mapped features is a square unroofed structure linked by an oblique line to a building to the north. The square coincides with the square plinth [017] made of bricks and concrete located in the west half of the area. Iron rods anchored at the corners may indicate that this might be the base of a small crane.

Two shallow pits [087], [089] towards the north-east corner of the area may be associated with a mapped building at the east side of the area as their location coincides with corners of the building.

The excavated evidence, combined with the map evidence, suggests that the tannery was probably at its height by the late 19th century. Over the course of it being in use, there was evidence of small alterations to the internal layout of the tanning pits, mainly by creating larger units by removing walls between pits. Some walls had been partly removed during the demolition phase, however, others had been carefully removed only leaving faint scars while the tannery was still operating.

There was limited evidence of the materials used in the tanning process. The majority of the pits were backfilled with brick rubble, presumably at the point of demolition of the structure. Therefore, our understanding of the tanning process at this location is largely based on the structural evidence. The presence of the metal columns in Blocks A – E would suggest that the whole of the gridded part of the structure was roofed, but open internally. Occasional pits where additional single thickness brick walls had been added on the interior suggest planks were rested across the pits to allow access between areas. The differing sizes of pits may also suggest differing processes in different areas.

Our modern understanding of 19th century tanning processes is that various liquids are used to precipitate biological and chemical reactions. It is of note that none of the pits within Blocks A – D had drains built into their floors. Presuming they were designed to hold liquid, we must assume that the

liquid was not regularly renewed, or they used pumps or buckets to do this. However, all pits at the south end of the tannery had drains built into the floor leading into tile drains presumably draining the liquid into the mill lade to the east. Stratigraphically, it was clear that Block E was built after the pit complex to the north was completed. It is possible that the pits at the south end represent a later improved pit design with better drainage and improved water retention through the use of concrete tanking.

The lack of tannery pits in the rooms to the west of the main blocks and the presence of deposits such as lime would indicate that this part of the complex was used for storage of materials. There was certainly access between the two sections of the building, as shown by the threshold stone [157].

In the northern part of the site, all buildings depicted on the 1894 map were demolished between 1905 and 1912. By the time of the 1931 map they have been replaced by two rectangular buildings covering most of the north area (Illus 2D). The same buildings are labelled 'Garage' on the 1944 OS map. The walls of the mapped buildings coincide with the brick walls set on concrete foundations [049], [053] and [051] running down the middle of the area and these belong to the garage. Evidence of the garage property is further represented by the buried fuel tank [056] within the courtyard to the south of the buildings and the two brick lined pits [014] and [043]. Initially these were thought to be tanning pits, however their size makes this unlikely, and the fact that pit [014] truncates feature [024] which dates to the tannery confirms their later date. Both pits lie within the limits of the garage buildings on the 1931 map. Giving their location and their shape, they are likely to have been inspection pits for the maintenance and repair of cars.

To the south, the footprint of the tannery remains largely unchanged on all maps up and including that in 1931. However, the outline is changed by the 1944 OS map, and the building is now labelled 'Cooperage'. This change probably involved major structural alterations and it is likely that the inserted concrete blocks around the north and east of the building were part of this reconstruction. No evidence of barrel making (rather than the use of barrels in pits) was found within the structure and it is presumed that the tannery was comprehensively dismantled, backfilled and rebuilt as part of the construction of the cooperage. It is possible that the barrel lid found in association with structure [276] at the very south of the excavation area might be from this period of activity, as the upper deposits within the structure were not securely stratified.

The excavation has successfully established the history and development of the site over the last two centuries. Although limited evidence of the processes involved has been recovered, the plan of the structures is remarkably well preserved, and there are sufficient specific details within individual pits to reconstruct something of how the building would have been used.

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APPENDICES

APPENDIX 1

SITE REGISTERS

Context Register

Context No	Area	Description
001	N	Brick floor base (1.4m x 0.8m x 0.08m), mostly truncated, located 0.3m W from (007).
002	N	Base deposit of slightly stony sand (1.4m x 1m x 0.14m) stabilising the brick floor surface [001].
003	N	Construction deposit of slightly stony sand (1.4m x 1m x 0.06m) stabilising the floor surface [001].
004	N	Slightly stony clay deposit (1.4m x 1m x 0.06m).
005	N	Heavily stony deposit (1.4m x 1m x 0.1m) with pieces of slag and fleck of charcoal.
006	N	Deposit of slightly stony clay (1.4m x 1m x 0.15m) with fleck of charcoal, old plough soil.
007	N	Brick floor base (1.19m x 0.5m x 0.08m), S end destroyed, N and W ends are covered by top-soils.
008	N	Concrete foundation (3.74m x 0.69m x 0.56m), large stones along the base, red brick + stone inclusions in the mix.
009	N	Sand deposit (0.34m x - x 0.08m) below E side of concrete foundation [008], unknown function.
010	N	Fill of pit [043], vacuous brick rubble + modern rubbish debris.
011	N	Bonding material (2.1m x 0.31m x 0.05m) once holding brick to the foundation base, impressions indicate the interior wall was the S.
012	N	Demolition material of sandy clay + silty sand (see survey), associated to demolition on site, unstratified. Varies throughout the site.
013	N	Tanning pit (4.63m x 1.44m x 0.69m), built of red brick, NE-SW alignment, NE end truncated.
014	N	Foundation construction cut (3.4m x 0.17m x -) for tanning pit [013], NE-SW alignment, cut at SW end by [024].
015	N	Sandy clay rubble fill (3.4m x 0.17m x -) of construction cut [014], padding between bricks [013] and foundation cut [014].
016	N	Demolition waste of sandy clay (4.14m x 0.98m x 0.69m), fill of tanning pit [013], contains CBM, glass, metal, fabric. Associated with modern destruction phase of the site.
017	N	Machine base plinth of concrete + brick (1.36m x 1.35m x 0.52m), located in NW area, metal rods in each corner, sits on top of the natural (042).
018	N	Construction cut (0.7m x 0.7m x -) for a barrel lined pit, filled by (020), (021), (022).
019	N	Barrel lining of pit, 3 metal bands around outer edge of construction cut [018], no remains of wooden lining.
020	N	Basal levelling fill (0.7m x 0.7m x 0.15m) of barrel lined pit [018]. Levelling deposit of clinker/coal "chips", below clay base lining (021).
021	N	Clay base lining (0.8m x 0.8m x 0.22m) of barrel lined pit [018].
022	N	Rubble backfill (0.9m x 0.9m x 0.45m) of barrel lined pit [018].

Context No	Area	Description
023	N	Rubble backfill (2.8m x 1.1m x 0.54m) of the linear terminus cut [024]. Loamy sand deposit containing CBM and brick.
024	N	Linear terminus cut (2.8m x 1.1m x 0.54m), NE of t. pit [013]. Trench running to the barrel pit [018], cuts [014].
025	N	Void.
026	N	Void.
027	N	Sandy clay fill (1.29m x 0.84m x 0.29m) of pit [028].
028	N	Pit cut (1.29m x 0.84m x 0.29m), filled by (027). Associated with construction or work phase, aligned NE-SW.
029	N	Post-hole cut (1.08m x 0.62m x 0.41m), filled by (030). Irregular in shape.
030	N	Sandy clay fill (1.08m x 0.62m x 0.41m) of post hole cut [029]. Contains the rect. post-wooden post, rapid backfill to secure the post in place.
031	N	Sub-circular post-hole cut (0.95m x 0.71m x 0.51m), filled by (032).
032	N	Sandy clay fill (0.95m x 0.71m x 0.51m) of post hole cut [031]. Contains the rect. existing wooden post, rapid backfill to secure the post in place.
033	N	Post-pipe fill of slightly stony sand (0.15m x - x 0.5m) of post-hole cut [034]. Post not remained.
034	N	Sub-circular post-hole cut (0.82m x 0.62m x 0.5m), filled by (064), (065), (066), (067), (068), (069), (033). Post removed.
035	N	Gravelly sand backfill (0.85m x 0.7m x 0.6m) of post-hole cut [036]. Existing post, rapid backfill to secure the post in place.
036	N	Sub-circular post-hole cut (0.85m x 0.7m x 0.6m) filled by (035).
037	N	Red brick wall structure (2.62m x 0.75m x 0.64m).
038	N	Sandy clay fill (2.88m x 0.76m x 0.31m) of slot [039].
039	N	Sub-rectangular slot feature (2.88m x 0.76m x 0.31m), filled by (038). Truncated to E, associated with late construction phase.
040	N	Sub-circular pit cut (1.06m x - x 0.41m) filled by (041), aligned N-S, truncated to W.
041	N	Sandy clay fill (1.06m x 1.92m x 0.41m) of pit cut [040].
042	N	Sand- sandy clay natural deposit. Varies from sandy clay to loose sand and gravel, stone inclusions from very small to large.
043	N	Pit (2.49m x 1.52m x 0.9m), built of red brick, NE-SW alignment.
044	N	Sand deposit (see survey), fill of [073]. Under paving stone [045] to create an even surface.
045	N	Paved floor surface (3.14m x 0.92m x -), made of fired clay slabs. Possibly contemporary to walls [046], [047]. Truncated by later foundation [049].
046	N	Red brick wall structure (1.6m x 0.12m x 0.3m), located W of tanning pit [043], E of wall [047]. Possibly entrance way. Distance between [046] and [047] 0.22m and possibly indicating relationship between them.
047	N	Red brick wall structure (1.34m x 0.12m x 0.13m), located to the W of wall [046], filled by (091). Possibly entrance way. Distance between [046] and [047] 0.22m and possibly indicating relationship between them.
048	N	Red brick wall structure (3.21m x 0.36m x 0.09m), above [049]. Aligned N-S, bordered by concrete foundation [008] and brick wall [050]. Possibly contemporary with [008] and later than [050].
049	N	Concrete foundation base (7.71m x 0.88m x -) for wall [048]. Aligned N-S, joining at W end of [008], abutted by [051] at S end.

Context No	Area	Description
050	N	Red brick wall structure (5.5m x 0.36m x 0.08m) sitting on top of foundation [051]. The same as structure [052] + [053], structures [008] + [011] and [048]+[049] are later editions.
051	N	Concrete foundation (10.5m x 0.71m x -) for wall [050], abutted by [049].
052	N	Red brick wall structure (5.24, x 0.35m x 0.2m) sitting N-S on top of foundation [053].
053	N	Concrete foundation (7.09m x 0.6m x -) for wall [052], runs N-S, abuts [051].
054	N	Drainage support structure (0.54m x 0.48m x -), built of red brick, possibly reusing leftover/rubbish material.
055	N	Void.
056	N	Housing for oil tank structure (3.75m x 1.83m x 0.73m) running E-W. Built of complete and halves red bricks, variety of stamps on them, truncated by [058].
057	N	Square opening to oil tank structure (0.87m x 0.85m x 0.26m) within [056] with a metal pipe coming from S side. Sits on top of W end of tank with mortar support. Unknown function.
058	N	Modern rubbish pit (4.51m x 2.4m x -) filled by (072). Located N of [056] and cuts into [056]. Not excavated but known that covers pipe work running E-W, see survey.
059	N	Gravelly sand fill (0.8m x 0.74m x 0.23m) of pit [060].
060	N	Pit cut (0.8m x 0.74m x 0.23m), located 1.5m from tanning pit [013].
061	N	Post-hole cut (0.71m x - x 0.36m) for post-pipe [062], filled by (062), (063).
062	N	Square wooden post-pipe within post-hole cut [061], supported by backfill (063).
063	N	Sandy clay backfill (0.71m x - x 0.36m) of post-hole cut [061], to secure post-pipe [062].
064	N	Basal back-fill (0.4m x - x 0.04m) of post-hole [034]. Rapid backfill to secure the post [033], the 1st fill.
065	N	Back-fill (0.72m x - x 0.13m) of post-hole [034]. Rapid backfill to secure the post [033], the 2nd fill.
066	N	Back-fill (0.72m x - x 0.10m) of post-hole [034]. Rapid backfill to secure the post [033], the 3rd fill, same as (064).
067	N	Back-fill (0.72m x - x 0.12m) of post-hole [034]. Rapid backfill to secure the post [033], the 4th fill, same as (065).
068	N	Back-fill (0.72m x - x 0.10m) of post-hole [034]. Rapid backfill to secure the post [033], the 5th fill, same as (064).
069	N	Top fill (0.72m x - x 0.10m) of post-hole [034]. Rapid backfill to secure the post [033], same as (065).
070	N	Concrete floor/base (4.14m x 0.98m x -) of tanning pit [013], drainage hole in base 1.45m from SE end.
071	N	Rubble fill (2.24m x 0.35m x -) of wall [037], contains building material.
072	N	Rubble + construction debris fill (4.51m x 2.4m x -) of modern rubbish pit [058], not excavated, but known that covers the pipe work running E-W.
073	N	Cut (see survey) below paved surface [045] to create uniform level surface for the paving stone to sit on, not fully visible, filled by (044).
074	N	Gravelly sand fill (3.2m x 1.34m x 0.73m) of oil tank structure [056], upon excavation fill surrounds oil tank [095].
075	N	Sand fill (0.61m x 0.59m x 0.26m) of oil tank structure [057], sand was used to cover the opening hatch of oil tank [095].

Context No	Area	Description
076	S	Structure number for tanning pits [078], [080], [082], [084], [116]; surfaces [085], [086], [118]. Later phasing as overall structure [133], wall [166] abuts [148]. Very different layout to the main structure.
077	S	Sandy clay + rubble fill (1.39m x 2.21m x 0.85m) of tanning pit [078], large numbers of red brick, modern rubbish.
078	S	Tanning pit (1.79m x 2.98m x 0.85m), part of structure [076]. Built of red brick, walls are of 2 bricks thick, truncated by concrete plinth [115].
079	S	Sandy clay + rubble fill (3.9m x 2.16m x 0.77m) of t. pit [080], contains wooden plank which possibly was a part of the original structure.
080	S	Tanning pit (4.43m x 2.94m x 0.77m), part of structure [076]. Walls built of red brick and lined with concrete, the base shows concrete lipping at the edges. Wood presence in the pit indicates possible wooden coverage of the base and is different from the bases in tanning pits [082] and [078]. Drainage hole by the mid. of E wall.
081	S	Rubble sand fill (3.83m x 2.1m x 0.53m) of tanning pit [082], contains building material and bricks.
082	S	Tanning pit (4.4m x 2.95m x 0.82m), part of structure [076]. Built of red brick, base with concrete sealing. Drainage hole at the SE corner, other drainage in the W wall connects this tanning pit with tanning pit [084].
083	S	Rubble sand fill (3.83m x 2.1m x 0.63m) of tanning pit [084], contains building material and bricks.
084	S	Tanning pit (4.4m x 2.8m x 0.63m), part of structure [076]. Built of red brick, base with concrete sealing. Drainage in the E wall connects with tanning pit [082], rectangular concrete block in the middle of W inner wall, another rectangular concrete block on the base along the middle of S wall.
085	S	Red brick surface (0.84m x 0.67m x 0.07m), part of structure [076], located S to [078].
086	S	Red brick surface (0.92m x 0.51m x 0.07m), part of structure [076], located S to [082].
087	N	Sub-circular pit cut (0.63m x 0.55m x 0.04m) filled by (088), aligned N-S.
088	N	Sandy clay fill (0.63m x 0.55m x 0.04m) of pit [087].
089	N	Sub-circular pit cut (0.7m x 0.48m x 0.08m) filled by (090), located in the NE of the site, 2m away to the E from pit [087].
090	N	Loamy sand fill (0.7m x 0.48m x 0.08m) of pit [089].
091	N	Loamy sand fill (3.64m x 1.09m x 0.38m) of wall structure [047].
092	N	Clay/sandy clay fill (1.24m x 1.18m x 0.09m) of man-hole structure [093], lays on top of concrete base [094]. Contains degraded wood pieces.
093	N	Red brick man-hole covering (1.45m x 1.4m x 0.15m) associated with concrete base [094].
094	N	Concrete base (1.24m x 1.18m x -) of man-hole structure [093].
095	N	Oil tank (2.87m x 0.98m x 0.98m) within [056], has opening at W end underneath [057].
096	N	Sandy clay construction fill (2.34m x 0.25m x 0.36m) between the walls [046] and [047].
097	N	Wall cut (3.64m x 0.10m x 0.02m) filled by (098), running along the outer part of the wall [046], possibly was part of the wall structure [046], but was heavily truncated.
098	N	Sand fill (3.64m x 0.10m x 0.02m) of wall cut [097].

Context No	Area	Description
099	S	Rectangular man-hole for drainage pipe (1.26m x 1.04m x 1.12m), part of structure [120], filled by (119). Built of red brick, associated with drainage pipe [143], which runs beneath it.
100	S	Tanning pit (2.76m x 2.56m x 0.43m), part of structure [120], aligned SW-NE, filled by (101). Walls built of red brick, NW wall lined with concrete and base with concrete sealing. NW and SE walls 2 bricks thick, SW walls heavily truncated, but probably 4 brick thick. Contains drain [131] and support column in NE corner [121].
101	S	Rubble sand fill (1.82m x 1.2m x 0.43m) of tanning pit [100], part of structure [120], contains rubble and modern rubbish.
102	S	Tanning pit (3.20m x 1.34m x 0.55m), part of structure [120], aligned SW-NE, filled by (103). Walls built of red brick, lined with concrete and painted, base with concrete sealing. NE wall heavily truncated, support columns [106], [105] in E and S corners. Contains drain [132] near SE wall.
103	S	Sandy rubble fill (2.51m x 1.83m x 0.55m) of tanning pit [102], part of structure [120], contains rubble and modern rubbish.
104	S	Red brick support structure (1.48m x 0.64m x 0.72m), located to the E [160], possibly related to [160], [161] and [234].
105	S	Metal support column (- x 0.23m x 0.95m), part of structure [120], joins at SE corner of [102]. Same as [106].
106	S	Metal support column (- x 0.6m x 1.05m), part of structure [120], intersection of walls [100] and [102]. Consists of a metal pillar of 0.23m diameter, lays on the top of smooth concrete base (0.83m x 0.22m x 0.35m), which lays on rough concrete foundation (0.78m x 0.26m x 0.03m).
107	S	Tanning pit (2.9m x 1.66m x 0.67m), part of structure [130], filled by (108). Walls built of red bricks, the remains of concrete on the walls and base indicate that t. pit was divided into 2 even sections. The concrete blob by the N wall indicates a possible drain, in the mid. of the W wall is a drain connecting this tanning pit with tanning pit [109]. Contains drain [123] in the NE corner, supportive columns [112], [113] in the SE and SW corners of the outer wall.
108	S	Rubble sand fill (2.53m x 1.28m x 0.67m) of tanning pit [107], part of structure [130]. Same as (110).
109	S	Tanning pit (2.87m x 1.65m x 0.67m), part of structure [130], filled by (110). Walls built of red bricks, drainage in the mid. of the E wall connects this tanning pit with tanning pit [107]. Supportive columns [113], [114] in the SE and SW corners. Not fully excavated.
110	S	Sandy rubble fill (2.50m x 1.30m x 0.67m) of tanning pit [109], part of structure [130].
111	S	Sandy clay fill (5.18m x 0.7m x -) between tanning pits [126], [107], [109], part of the structure [130]. Supporting tanning pits.
112	S	Metal support column, part of structure [130]. Consists of a metal pillar of 0.23m diameter, lays on the top of concrete base, the wall thickness is 0.02m.
113	S	Metal support column, part of structure [130]. Consists of a metal pillar of 0.23m diameter, lays on the top of concrete base, the wall thickness is 0.02m.
114	S	Metal support column, part of structure [130]. Consists of a metal pillar of 0.23m diameter, lays on the top of concrete base, the wall thickness is 0.02m.
115	S	Modern concrete plinth (1m x 1.53m x 1.11m) within [078] and truncates it, part of the structure [076]. Surrounded by (077), plinth extends beyond limit of excavation.

Context No	Area	Description
116	S	Tanning pit (4.6m x 2.84m x 0.92m), part of structure [076], filled by (117). Built of red bricks, not excavated.
117	S	Sandy rubble fill (3.95m x 2.17m x -) of tanning pit [116], part of structure [076]. Contains building material, bricks, CBM, in the NW corner contains modern concrete block. Not excavated.
118	S	Red brick surface (0.84m x 0.38m x 0.09m), part of structure [076], located S of tanning pit [116]. Not fully excavated.
119	S	Sandy rubble fill (1.05m x 0.57m x -) of man-hole [099], part of structure [120]. Contains large slabs of broken concrete at the top, which may have been a lid for the structure.
120	S	Structure number for tanning pits [100], [102]; support columns [105], [106], [121]. Possibly later structure than [133], there is no phasing visible in this structure but is similar to [076].
121	S	Support column base (0.72m x 0.7m x 0.22m), part of structure [120], located in the NE corner of tanning pit [100]. Base is the same as in [106].
122	S	Soil layer beneath structures in S area.
123	S	Drain (0.3m x 0.24m x 0.05m) in the NE corner of tanning pit [107], part of structure [130], possibly wood lined.
124	S	Void.
125	S	Void.
126	S	Tanning pit (5.18m x 1.28m x 0.66m), part of structure [130], filled by (127), located in the centre of S area N of tanning pits [107], [109] and S of tanning pits [135], [141]. Built of red bricks, separated into 4 (1.2m x 1.29m) square compartments each with a drain in the SE corner, the original drain is [128] and later added drains are [129].
127	S	Sandy rubble fill (5.18m x 1.28m x 0.66m) of tanning pit [126], part of structure [130].
128	S	Concrete drain (0.28m x 0.27m x -) in the SE corner of tanning pit [126], part of structure [130]. Circular metal pipe secured with concrete, possibly original drain in tanning pit [126], metal hinge in the SW corner to secure a plug.
129	S	Wood drains (0.22m x 0.22m x -) in the S edge of tanning pit [126], part of structure [130]. Drains are of later edition when tanning pit [126] was divided into 4 compartments, cut into the base of the pit and wood lined.
130	S	Structure number for tanning pits [107], [109], [126]. Abuts structure [133] to the S. Visible in section of abutting walls. [130] sits much higher than [133] and possibly is of the same phase as [120] and [076].
131	S	Concrete drain (0.46m x 0.85m x 0.16m) located by the SE wall in the centre of tanning pit [100], part of structure [120]. Circular drain sits within smooth rectangular cut and possibly wood lined.
132	S	Concrete drain (0.58m x 0.24m x 0.12m) located near the SE wall in the centre of tanning pit [102], part of structure [120]. Circular drain sits within smooth rectangular cut and is divided into 2 rectangular sections, possibly wood lined.
133	S	Structure number for tanning pits [135], [137], [139], [141]. Abutted by structure [130] to the S. Main structure with the majority of tanning pits within. Roof structure visible in the columns. Earliest in phases of all other structures (apart from [147] which is contemporary).
134	S	Wall structure between tanning pits [135], [137].
135	S/Area2	Tanning pit N to [126], part of structure [133]. Not excavated, see survey.
136	S/Area2	Fill of tanning pit [135], part of structure [133]. Not excavated.

Context No	Area	Description
137	S/Area2	Tanning pit W to [135], part of structure [133]. Not excavated, see survey.
138	S/Area2	Fill of tanning pit [137], part of structure [133]. Not excavated.
139	S/Area2	Tanning pit W to [137], part of structure [133]. Not excavated, see survey.
140	S/Area2	Fill of tanning pit [139], part of structure [133]. Not excavated.
141	S/Area2	Tanning pit W to [139], part of structure [133]. Not excavated, see survey.
142	S/Area2	Fill of tanning pit [141], part of structure [133]. Not excavated.
143	S	Ceramic drainage pipe (4.3m x 0.22m x 0.09m), part of structure [120]. Abuts man-hole [099] at SW end, the flow direction was to the NE. Associated with tanning pits in the S.
144	S	Red brick wall structure (3.94m x 0.24m x 0.075m) in between the [145] and [146], part of structure [147].
145	S	Timber structure (6.5m x 0.11m x 0.15m) supporting for the wall [144], S and W to [144], part of structure [147]. Worked rectangular timber divided into 3 parts, but possibly was one compound before.
146	S	Timber structure (2.72m x 0.24m x 0.15m) supporting for the wall [144], E to [144], part of structure [147]. Worked cylindrical timber.
147	S	Structure number for building in SW corner of site including [144], [145], [146], [148], [149], [150], [151], [152], [153], [154], [155], [156], [157], [158], [159], [250], [251], [252], [253], [254], [269]. Phasing visible in this structure, 250-254 are later editions to the extension of the structure. [162] is an addition to the structure separating an external area. [250] is a surface. Surface [269] overlays back [251], [254]. Abutting [148], this area is a later edition.
148	S	Red brick wall structure (see survey, depth 0.56m), located in the SW corner of the site, part of structure [147]. External structure abutted by tanning pit [116], truncated slightly to the E by a modern concrete plinth. Wall continues around all tanning pits external wall structures.
149	S	Internal red brick wall structure (4.7m x 0.23m x 0.51m) dividing rooms in structure [147].
150	S	Internal floor surface of sandy clay (4.7m x 3.03m x -) by internal exterior walls [148] and interior wall [149], part of structure [147], located in the SW corner of S area.
151	S	Red brick wall structure (1.88m x 0.25m x 0.33m) defining outside area, part of structure [147]. Wall suggests division of external space around the structure.
152	S	Internal floor surface of sandy grit (4.7m x 1.45m x -) of area between the walls [148], [149], [151], [154], part of structure [147]. Continuation of [150].
153	S	Internal red brick wall structure (2.51m x 0.25m x 0.23m), part of structure [147]. Internal wall abutting [154], ends in an entrance way to room directly E (floor surface [158]), sits on top of foundation [248].
154	S	External + internal red brick wall structure (2.96m x 0.36m x 0.53m), part of structure [147], possibly has window and entrance area on the W side. Sits on top of foundation [249].
155	S	Red brick wall structure (5.09m x 0.49m x 0.32m), part of structure [147]. Wall abutting wall [148] and abutted by surface [250], truncated to the W.
156	S	Entrance way/red brick wall structure (0.72m x 0.12m x 0.25m), part of structure [147]. Internal wall of single brick thickness, abuts wall [148].
157	S	Entrance flag stone (0.85m x 0.64m x 0.1m) marking the entrance to structure [147].
158	S	Internal floor surface of sandy clay (3.97m x 2.46m x -) of structure [147].
159	S	Internal floor surface of sandy clay (3.97m x 2.65m x -), part of structure [147].

Context No	Area	Description
160	S	Drainage pit wall/concrete foundation (2.74m x 1.16m x 0.29m), concrete block abutting W end of wall [161].
161	S	Drainage pit red brick wall/base (3.43m x 0.82m x 0.4m), abutting the SE corner of [160] and the W side of [234], contains drainage pipe at the base of wall. Base extending to the N extent of [160], [234].
162	S/Area1	Tanning pit (2.23m x 1.8m x 0.8m), located at the E side of site, built of bricks. Not fully exposed, but contains later concrete block.
163	S/Area1	Tanning pit located [162] to S and [164] to N. Walls built of bricks. Not excavated but seems to be the same as [162].
164	S/Area1	Tanning pit, located to E side of site, [162] to S abuts [163] to S, [163] to N. Walls built of bricks. Not excavated but contains later phase concrete block and seems to be the same as [162].
165	S/Area1	Tanning pit, located to E side of site, to N of [164]. Walls built of bricks. Not excavated but contains later phase concrete foundation and seems to be the same as [162].
166	S/Area1	Tanning pit (2.18m x 2.1m x -), large. Walls built of bricks. Not fully excavated
167	S/Area1	Tanning pit (2.28m x 2.1m x 0.79m), located to the N of [166], S of [168]. Walls built of bricks, double brick thick. Brick floor with a slight gully on the edges, large pipe in NW corner of the wall.
168	S/Area1	Tanning pit (2.28m x 2.10m x -), located to N of [167], S of [169]. Walls built of bricks. Not excavated but known that contains pipe in SW corner.
169	S/Area1	Tanning pit (2.34m x 2.1m x 0.88m). Walls built of bricks, double brick thick. Brick floor with a slight drainage gully on margins, pipe in NW corner of the wall.
170	S/Area3	Tanning pit (3.2m x 1.58m x -), located to N of [169], S of [171], part of structure [133]. Walls built of bricks, to the W side a single width of bricks separating [170] and [177], possibly was one larger tanning pit. Not excavated.
171	S/Area3	Tanning pit (3.2m x 1.62m x 0.9), large, part of structure [133]. Brick (some stamped 'HOOD') walls and floor. W wall is single brick thick and indicates [176] was originally part of the same pit. Floor has 2 changes and suggests that pit originally had two internal walls.
172	S/Area3	Tanning pit (2m x 1.56m x -), located to N of [171], S of [173], part of structure [133]. Walls built of red bricks. Not excavated but seems to be rebuilt at E end.
173	S/Area3	Tanning pit (- x 1.48m x -), located to N of [172], E of [174], part of structure [133]. Walls built of red bricks. Not excavated, concrete pad truncating N wall of tanning pit.
174	S/Area3	Tanning pit (2.02m x 1.48m x 0.82), located to W of [173], N of [175], part of structure [133]. Walls built of red bricks. N wall abuts outer wall [148], possibly rebuilt at E end between [173], [174], truncated by concrete pad [236].
175	S/Area3	Tanning pit (2.05m x 1.58m x 0.84), located W of [172], S of [189], part of structure [133]. Walls built of bricks.
176	S/Area3	Tanning pit, part of structure [133]. Not excavated, see survey.
177	S/Area3	Tanning pit, part of structure [133]. Not excavated, see survey.
178	S/Area1	Tanning pit, part of structure [133]. Not excavated, see survey.
179	S/Area1	Tanning pit (2.86m x 2.03m x 0.92m), located S to [178], N to [180], part of structure [133]. Walls built of bricks, E wall cemented. Pillar in the SE corner.
180	S/Area1	Tanning pit, part of structure [133]. Not excavated, see survey.
181	S/Area1	Tanning pit (2.17m x 1.57m x 0.78m), part of structure [133]. Walls built of red bricks, rendered on the W side. The base of a metal column visible in the SE corner.

Context No	Area	Description
182	S/Area1	Tanning pit, part of structure [133]. Not excavated, see survey.
183	S/Area1	Tanning pit (2.23m x 1.56m x 0.86m), part of structure [133]. Walls built of red bricks, rendered only on the W, E sides. Ghost wall (0.34m) separating tanning pit into 2 pits from N-S. Same as [185].
184	S/Area1	Tanning pit, part of structure [133]. Not excavated, see survey.
185	S/Area1	Tanning pit (2.25m x 1.53m x 0.88m), aligned N-S, part of structure [133]. Walls and floor built of bricks, rendering traces at upper part of the W, E walls, scar of double brick thick wall (0.25m) running down the middle of tanning pit.
186	S/Area3	Tanning pit (2.56m x 2.07m x 0.78m), located S to [187], W to [177], part of structure [133]. Walls and floor built of bricks, contains pillar in SW corner. Same as [187].
187	S/Area3	Tanning pit (2.56m x 2.07m x 0.75m), located W to [176], S to [188], part of structure [133]. Walls and floor built of bricks.
188	S/Area3	Tanning pit, part of structure [133]. Not excavated, see survey.
189	S/Area3	Tanning pit (2.09m x 1.58m x 0.74m), located to W of [174], part of structure [133]. Walls built of bricks.
190	S/Area3	Tanning pit (2.05m x 1.57m x 0.75m), located to the W of [210], part of structure [133]. Walls built of bricks, E wall truncated. Same as [210], see survey.
191	S/Area3	Tanning pit, part of structure [133]. Not excavated, see survey.
192	S/Area3	Tanning pit (2.54m x 2.02m x 0.76m), located W to [186], S to [191], part of structure [133]. Walls built of bricks, contains pillar in the SE corner. Same as [215].
193	S/Area1	Tanning pit, part of structure [133]. Not excavated, see survey.
194	S/Area1	Tanning pit (2.84m x 2.03m x 0.95m), located N to [195], S to [193], part of structure [133]. Walls built of bricks, E wall cemented and has a scar in the mid. which indicates that tanning pit was possibly divided into 2. Contains pillar in the SW corner. Same as [179].
195	S/Area1	Tanning pit, part of structure [133]. Not excavated, see survey.
196	S/Area1	Tanning pit (2.22m x 1.58m x 0.95m), part of structure [133]. Walls built of red bricks, E wall rendered, raised lip running N-S along the floor of the E wall. In the SW corner the base of the adjoining metal column is visible.
197	S/Area2	Tanning pit (1.72m x 1.15m x 0.86m), part of structure [133]. Walls built of red bricks, depression in the base running along W wall.
198	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
199	S/Area2	Tanning pit (2.16m x 1.65m x 0.8m), located W to [194], S to [200], part of structure [133].
200	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
201	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
202	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
203	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
204	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
205	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
206	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
207	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
208	S/Area3	Tanning pit (2.05m x 1.56m x 0.8m), part of structure [133]. Walls built of bricks, brick pillar at the SW corner resting on corner of sandstone block just above floor level. Standard construction around cast iron column. Same as [215].

Context No	Area	Description
209	S/Area3	Tanning pit (2.05m x 1.58m x 0.75m), located W of [214], part of structure [133]. Walls built of bricks. Same as [214].
210	S/Area3	Tanning pit (2.05m x 1.57m x 0.74m), part of structure [133]. Walls and floor built of bricks, double brick thick (0.25m) walls, E wall truncated down to the floor level.
211	S/Area3	Tanning pit (4.34m x 1.58m x 0.74m), aligned E-W, part of structure [133]. Walls built of bricks. Formerly 2 smaller t. pits, but N-S brick wall removed to floor level. Concrete pad [237] is over wall separating [211] and [212].
212	S/Area3	Tanning pit (2.06m x 1.58m x 0.58m), located W of [211], E of [212], part of structure [133]. Walls and floor built of bricks (some stamped 'BANKPARK'). Truncated by concrete pad [237] which was poured over internal brick wall between [211], [212].
213	S/Area3	Tanning pit, part of structure [133]. Not excavated, see survey.
214	S/Area3	Tanning pit (2.5m x 2.05m x 0.75m), located E to [262], N to [215], part of structure [133]. Walls built of bricks. Same as [262].
215	S/Area3	Tanning pit (2.5m x 2.05m x 0.7m), located S to [214], E to [263], part of structure [133]. Walls built of bricks, tanning pit contains brick pillar at the SE corner. Same as [262].
216	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
217	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
218	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
219	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
220	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
221	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
222	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
223	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
224	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
225	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
226	S/Area2	Tanning pit (1.92m x 1.67m x 0.75m), part of structure [133]. Walls built of red bricks, ghost wall running N-S along the floor and scars on the N, S walls suggest that pit was once divided into 2 compartments.
227	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
228	S/Area2	Tanning pit (2.5m x 2.17m x 0.78m), located S to [227], N to [229], part of structure [133]. Walls and floor built of bricks, scar on the N wall suggests a possible division of the tanning pit. W part has thinner internal wall and thicker external wall.
229	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
230	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
231	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
232	S/Area2	Tanning pit (1.77m x 1.05m x 0.61m), located in the SW corner of structure [133]. Walls and floor built of red bricks, slight depression in the base running N-S along the E wall.
233	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
234	S	Drainage pit wall/concrete foundation (4.72m x 0.96m x 0.35m), concrete block abutting E end of wall [161]. Base functions as a wall of the drainage pit. Related to [160].

Context No	Area	Description
235	S/Area1	Concrete blocks (four) (1.56m x 1.1m x 0.92m), running along E side of site, located on the E wall of tanning pit [162], [164], [165], [171] from S to N. Possibly foundation for building and related to [115].
236	S/Area3	Concrete block (1.52m x 0.52m x 0.3m), located in the NE corner of tanning pit [174]. Abuts [255], truncates [174], possibly foundation for a newer structure.
237	S/Area3	Concrete block (2.32m x 0.7m x 0.3m), located between tanning pit [211] and [212] against N wall, possibly foundation for a newer structure.
238	S	Support column. Consists of a metal pillar of 0.23m diameter and 0.025m wall thickness.
239	S	Support column. Consists of a metal pillar of 0.23m diameter and 0.025m wall thickness.
240	S	Support column. Consists of a metal pillar of 0.23m diameter and 0.02m wall thickness.
241	S	Support column. Consists of a metal pillar of 0.23m diameter and 0.02m wall thickness.
242	S	Support column. Consists of a metal pillar of 0.23m diameter and 0.025m wall thickness.
243	S	Support column. Consists of a metal pillar of 0.23m diameter and 0.025m wall thickness.
244	S	Support column. Consists of a metal pillar of 0.23m diameter and 0.025m wall thickness.
245	S	Support column. Consists of a metal pillar of 0.23m diameter and 0.02m wall thickness.
246	S	Support column. Consists of a metal pillar of 0.23m diameter and 0.025m wall thickness.
247	S	Support column. Consists of a metal pillar of 0.23m diameter and 0.02m wall thickness.
248	S	Wall foundation of sandy mortar and stones (2.66m x 0.58m x 0.13m) for wall [153], part of structure [147]. Fragile foundation material, truncated to the E.
249	S	Wall foundation of sandy mortar (1.05m x 0.52m x 0.17m) for wall [154], part of structure [147], mostly truncated. Visible only in W, SE of wall [154].
250	S	Red brick floor surface (1.68m x 1.34m x 0.07m), part of structure [147], abutting walls [155] and [148]. Surface truncated, bricks are different than those seen on site.
251	S	Red brick wall structure (2.14m x 0.34m x 0.22m) below floor surface [250], part of structure [147].
252	S	Support surface stone structure (1.81m x 0.64m x 0.31m) possibly for machinery, part of structure [147]. Secured in place with concrete.
253	S	Stone foundation (3.95m x 0.59m x 0.15m) for wall [254], part of structure [147]. Rough, uneven surface, truncated to the W.
254	S	Red brick wall structure (3.95m x 0.39m x 0.15m) sitting on the foundation [253], part of structure [147], abuts wall [148]. Truncated to the W.
255	S	Brick boundary wall structure (see survey) built onto tanning pit wall [175] and concrete pad [236], part of structure [133]. Modern.
256	S	Stone foundation (0.6m x 0.6m x 0.16m) for structure [133]. Consists of rectangular flat slabs placed end to end on top of construction fill (258).
257	S	Foundation cut (- x - x 0.22m) for tannery building structure [133], filled by (258). Not fully excavated as beyond limit of excavation. See survey.

Context No	Area	Description
258	S	Sandy clay rubble fill (- x - x 0.22m) of foundation cut [257], part of structure [133]. Provides base for foundation [256], consists of red brick, lime mortar, stone. See survey.
259	S/Area3	Concrete block (1.22m x 0.64m x 0.3m), located in the NE corner of tanning pit [260].
260	S/Area3	Tanning pit, part of structure [133]. Not excavated, see survey.
261	S/Area3	Tanning pit, part of structure [133]. Not excavated, see survey.
262	S/Area3	Tanning pit (2.5m x 2.07m x 0.66m), located N to [263], W to [214], part of structure [133]. Walls and floor built of bricks, W wall destroyed only cement plinth survived.
263	S/Area3	Tanning pit (2.5m x 2.05m x 0.65m), located S to [262], W to [215], part of structure [133]. Walls and floor built of bricks. Same as tanning pit [262].
264	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
265	S/Area2	Tanning pit, part of structure [133]. Not excavated, see survey.
266	S	Wood lined pit cut (1.15m x 0.72m x 0.38m) filled by (267), located W of the foundation cut [257]. Wood lining is of 2 timber planks (0.02m thick, 0.16m wide) around the sides only.
267	S	Sandy clay fill (1.15m x 0.72m x 0.38m) of pit cut [266]. Contains demolition rubble and patches of gravelly mortar.
268	S	Sandy silt fill (2.23m x 0.61m x 0.35m) of drainage pit [161]. Contains red bricks, metal, wood, demolition material and leather.
269	S	Sandy lime mortar surface (1.15m x 0.75m x 0.14m), located between wall [253] and against wall [148], possibly machine base.
270	S	Capped drain (- x 0.5m x 0.83m), located below the tanning pits in S part of the site, below water level.
271	S	Cut (- x 0.5m x 0.83m) for drain [270], dimensions unclear as it is below water level.
272	S	Concrete base (1.4m x 1.1m x -) of drain [270], contains narrow channel in concrete for drain. Below water level.
273	S	Rubble drain cut (3.4m x 0.5m x -), aligned E-W, truncated by [275] at the W end, filled by (274). Below water level.
274	S	Clay fill (3.4m x 0.5m x -) of rubble drain [273], below water level.
275	S	Foundation cut (4.2m x 1.65m x 0.65m) for tanning pit [279], below water level.
276	S	Stone wall foundation fill (4.2m x 1.65m x 0.65m) for tanning pit [279], fill of [275]. Below water level.
277	S	Floor surface (3.5m x 1.25m x 0.65m) within tanning pit [279], contains wooden planks. Below water level.
278	S	Sandy clay fill (3.5m x 1.25m x 0.65m) within tanning pit [279]. Below water level.
279	S	Old tanning pit (4.2m x 1.65m x 0.65m), walls built of irregular stone slabs, N wall 0.5-0.6m wide, E 0.4m wide. Below water level.
280	S	Sub-circular pit cut (5.5m x 4.8m x 0.8m), located below base of t. pits, filled by (281). Large.
281	S	Sand and gravel fill (5.5m x 4.8m x 0.8m) of pit cut [280], located below the t. pits.

Photo Register

Photo	Digital file name	Facing	Description
001	TTBP-Excav-001.JPG	NE	Gen. shot of [001] - [007].
002	TTBP-Excav-002.JPG	N	Gen. shot of S section (002) - (006).
003	TTBP-Excav-003.JPG	SW	Gen. shot of [001] + [007] with [008] + (009).
004	TTBP-Excav-004.JPG	SW	Gen. shot of [008].
005	TTBP-Excav-005.JPG	S	N facing section of [008] + (009).
006	TTBP-Excav-006.JPG	N	N facing section of [008] + (009).
007	TTBP-Excav-007.JPG	NE	N facing section of [008] + (009).
008			VOID.
009	TTBP-Excav-009.JPG	S	Gen. shot of post-hole cut [036].
010	TTBP-Excav-010.JPG	S	Post-hole cut [036].
011	TTBP-Excav-011.JPG	S	Post-hole cut [036].
012	TTBP-Excav-012.JPG	E	W facing section of [040] + (041).
013	TTBP-Excav-013.JPG	E	Gen. shot showing [041] disturbed by evaluation trench.
014	TTBP-Excav-014.JPG	SW	NE facing section of post-hole [031].
015	TTBP-Excav-015.JPG	SW	NE facing section of post-hole [031].
016	TTBP-Excav-016.JPG	NE	SW facing section of post-hole [029].
017	TTBP-Excav-017.JPG	NE	SW facing section of post-hole [029].
018	TTBP-Excav-018.JPG	N	S facing section of post-hole cut [034].
019	TTBP-Excav-019.JPG	N	S facing section of post-hole cut [034].
020	TTBP-Excav-020.JPG	NW	E facing section of small pit cut [060].
021	TTBP-Excav-021.JPG	NW	E facing section of small pit cut [060].
022	TTBP-Excav-022.JPG	N	S facing section of slot [024].
023	TTBP-Excav-023.JPG	N	S facing section of slot [024].
024	TTBP-Excav-024.JPG	S	Gen. shot of [024] truncated by [013].
025	TTBP-Excav-025.JPG	NW	Gen. shot of [024] adjusting to barrel pit [018].
026	TTBP-Excav-026.JPG	N	S facing section of post-hole [061] - mid-ex.
027	TTBP-Excav-027.JPG	E	Gen. shot [024] to left, post-hole [061] to right + barrel pit [018] in background.
028	TTBP-Excav-028.JPG	SE	Gen. shot [024] to left, post-hole [061] to right + barrel pit [018] in background.
029	TTBP-Excav-029.JPG	NE	Mid-ex photo showing of SW facing section of barrel pit [018].
030	TTBP-Excav-030.JPG	SE	Plan shot half section through barrel pit [018].
031	TTBP-Excav-031.JPG	N	S facing section of (038) + [039].
032	TTBP-Excav-032.JPG	S	N facing section of (038) + [039].
033	TTBP-Excav-033.JPG	E	Gen. shot of excavation of (038) + [039] showing evaluation cut.
		-	Photogrammetry. Barrel pit [018]. Drawing 15.
035		-	VOID.
036		-	VOID.
037		-	VOID.
038		-	VOID.
039		-	VOID.
040		-	VOID.
041		-	VOID.
042		-	VOID.
043		-	VOID.
044		-	VOID.

Photo	Digital file name	Facing	Description
045		-	VOID.
046		-	VOID.
047		-	VOID.
048		-	VOID.
049		-	VOID.
050	TTBP-Excv-050.JPG	SW	NE facing section of (027) + [028].
051	TTBP-Excv-051.JPG	SW	Gen. shot of half section of (027) + [028].
052	TTBP-Excv-052.JPG	NW	Gen. shot of full extent of (027) + [028].
053	TTBP-Excv-053.JPG	NW	Gen. shot of machine base [017].
054	TTBP-Excv-054.JPG	SE	Gen. shot of machine base [017].
055	TTBP-Excv-055.JPG	SW	Gen. shot of machine base [017].
056			VOID.
057	TTBP-Excv-057.JPG	SW	Gen. shot of wall structure [037].
058	TTBP-Excv-058.JPG	SW	Gen. shot of wall structure [037].
059	TTBP-Excv-059.JPG	S	Gen. shot of wall structure [037].
060	TTBP-Excv-060.JPG	S	Gen. shot of wall structure [037].
061	TTBP-Excv-061.JPG	NE	Gen. shot of wall structure [037] + (071).
062	TTBP-Excv-062.JPG	NE	Gen. shot of wall structure [037] + (071).
063	TTBP-Excv-063.JPG	W	Gen. shot of tanning pit [013].
064	TTBP-Excv-064.JPG	W	Gen. shot of tanning pit [013].
065	TTBP-Excv-065.JPG	E	Gen. shot of tanning pit [013].
066	TTBP-Excv-066.JPG	N	Gen. shot of tanning pit [013].
067	TTBP-Excv-067.JPG	S	Gen. shot of tanning pit [013].
068	TTBP-Excv-068.JPG	N	S facing section of tanning pit [013].
069	TTBP-Excv-069.JPG	W	Gen. shot of tanning pit [043].
070	TTBP-Excv-070.JPG	S	Gen. shot of tanning pit [043].
071		W	VOID.
072	TTBP-Excv-072.JPG	W	Gen. shot of tanning pit [043].
073	TTBP-Excv-073.JPG	N	Gen. shot of tanning pit [043].
074	TTBP-Excv-074.JPG	SW	Gen. shot of tanning pit [043].
075	TTBP-Excv-075.JPG	SW	Gen. shot of tanning pit [043].
076	TTBP-Excv-076.JPG	E	E facing section of the tanning pit wall [043].
077	TTBP-Excv-077.JPG	S	Wall structures [047] + [046].
078	TTBP-Excv-078.JPG	S	Wall structures [047] + [046].
079	TTBP-Excv-079.JPG	W	Wall structures [047] + [046].
080	TTBP-Excv-080.JPG	W	West end of the wall structures [047] + [046].
081	TTBP-Excv-081.JPG	E	West end of the wall structures [047] + [046].
082	TTBP-Excv-082.JPG	W	West end of the wall structures [047] + [046].
083	TTBP-Excv-083.JPG	S	East end of the wall structures [047] + [046].
084	TTBP-Excv-084.JPG	E	East end of the wall structures [047] + [046].
085	TTBP-Excv-085.JPG	E	East end of the wall structures [047] + [046].
086	TTBP-Excv-086.JPG	W	Pavement surface [045].
087	TTBP-Excv-087.JPG	SE	Pavement surface [045].
088	TTBP-Excv-088.JPG	E	Pavement surface [045].
089	TTBP-Excv-089.JPG	NW	Pavement surface [045].
090	TTBP-Excv-090.JPG	S	Wall structure [048] + foundation [049].
091	TTBP-Excv-091.JPG	N	Wall structure [048] + foundation [049].
092	TTBP-Excv-092.JPG	N	Wall structure [048] + foundation [049].

Photo	Digital file name	Facing	Description
093	TTBP-Excav-093.JPG	S	Wall structure [048] + foundation [049].
094	TTBP-Excav-094.JPG	SE	Foundation [008].
095	TTBP-Excav-095.JPG	SE	Foundation [008].
096	TTBP-Excav-096.JPG	S	Pit [058] with modern brick disturbance.
097	TTBP-Excav-097.JPG	S	Pit [058] with modern brick disturbance.
098	TTBP-Excav-098.JPG	NE	Pit [058] with modern brick disturbance.
099	TTBP-Excav-099.JPG	NE	Pit [058] with modern brick disturbance.
100	TTBP-Excav-100.JPG	S	Wall structure [052] + foundation [053].
101	TTBP-Excav-101.JPG	S	Wall structure [052] + foundation [053].
102	TTBP-Excav-102.JPG	W	Wall structure [052] + foundation [053].
103	TTBP-Excav-103.JPG	N	Wall structure [052] + foundation [053].
104	TTBP-Excav-104.JPG	E	Wall structure [052] + foundation [053].
105	TTBP-Excav-105.JPG	S	Square structure [054].
106	TTBP-Excav-106.JPG	S	Square structure [054].
107	TTBP-Excav-107.JPG	N	Broken surface of pavement structure [045].
108	TTBP-Excav-108.JPG	S	Broken surface of pavement structure [045].
109	TTBP-Excav-109.JPG	W	Wall structure [050] + foundation [051].
110	TTBP-Excav-110.JPG	W	Wall structure [050] + foundation [051].
111	TTBP-Excav-111.JPG	SW	Wall structure [050] + foundation [051].
112	TTBP-Excav-112.JPG	NE	Wall structure [050] + foundation [051].
113	TTBP-Excav-113.JPG	SW	Wall structure [050] + foundation [051].
114	TTBP-Excav-114.JPG	N	Section across natural sand pocket at SE corner of [013].
115	TTBP-Excav-115.JPG	N	Section across natural sand pocket at SE corner of [013].
116	TTBP-Excav-116.JPG	SE	Rectangular wall structure [056] + square wall structures [057].
117	TTBP-Excav-117.JPG	E	Rectangular wall structure [056] + square wall structures [057].
118	TTBP-Excav-118.JPG	N	Rectangular wall structure [056] + square wall structures [057].
119	TTBP-Excav-119.JPG	N	Rectangular wall structure [056] + square wall structures [057].
120	TTBP-Excav-120.JPG	S	Wall structure [057] with pipe.
121	TTBP-Excav-121.JPG	S	Broken bricks used for structure [056].
122		-	Photogrammetry of N area (DWG 3).
123	TTBP-Excav-123.JPG	S	Shot of section of cut [024] by machine.
124	TTBP-Excav-124.JPG	S	Shot of section of cut [024] by machine.
125	TTBP-Excav-125.JPG	E	Working shot.
126	TTBP-Excav-126.JPG	SE	Working shot in S area.
127	TTBP-Excav-127.JPG	SE	Working shot in S area.
128	TTBP-Excav-128.JPG	E	Gen. shot of wood planks at base of tanning pit [080].
129	TTBP-Excav-129.JPG	NW	SE facing section of [087] + (088).
130	TTBP-Excav-130.JPG	NW	Gen. shot of [087] + (088).
131	TTBP-Excav-131.JPG	W	Gen. shot of pit cut [089].
132	TTBP-Excav-132.JPG	W	E facing section of pit cut [089].
133			VOID.
134	TTBP-Excav-134.JPG	SE	Gen. shot of [093]
135	TTBP-Excav-135.JPG	E	W facing section of (092) above [094].
136	TTBP-Excav-136.JPG	SE	NW facing section of [056].
137			VOID.

Photo	Digital file name	Facing	Description
138	TTBP-Excav-138.JPG	NE	SW facing section of [056].
139	TTBP-Excav-139.JPG	NW	Gen. shot of [056] + [057] + [095].
140	TTBP-Excav-140.JPG	SW	NE facing section of [056] + [095].
141	TTBP-Excav-141.JPG	NW	Detail of [057] with W end opening of [095].
142	TTBP-Excav-142.JPG	NW	Wall structures [047] + [046].
143	TTBP-Excav-143.JPG	SE	Wall structures [047] + [046].
144	TTBP-Excav-144.JPG	E	East end of the wall structures [047] + [046].
145	TTBP-Excav-145.JPG	W	West end of the wall structures [047] + [046].
146	TTBP-Excav-146.JPG	S	West end of the wall structures [047] + [046].
147	TTBP-Excav-147.JPG	E	Tanning pit [078].
148	TTBP-Excav-148.JPG	E	Tanning pit [078].
149	TTBP-Excav-149.JPG	N	Brick surface [085].
150	TTBP-Excav-150.JPG	W	EW portion of [078].
151	TTBP-Excav-151.JPG	N	EW portion of [078].
152	TTBP-Excav-152.JPG	E	Detail of brick surface [086].
153	TTBP-Excav-153.JPG	S	Detail of brick surface [086].
154	TTBP-Excav-154.JPG	W	Section detail of [086].
155	TTBP-Excav-155.JPG	W	Detail of brick surface [085].
156	TTBP-Excav-156.JPG	E	Detail of brick surface [085].
157	TTBP-Excav-157.JPG	W	Gen. shot of tanning pit [082].
158	TTBP-Excav-158.JPG	W	Gen. shot of tanning pit [082].
159	TTBP-Excav-159.JPG	SE	Detail of the drainage of tanning pit [082] in SE corner.
160	TTBP-Excav-160.JPG	S	Wall detail of the tanning pit [082] showing the coursing.
161	TTBP-Excav-161.JPG	W	Gen. shot of the red brick surface [118], S of tanning pit [116].
162	TTBP-Excav-162.JPG	W	Gen. shot of the red brick surface [118], S of tanning pit [116].
163	TTBP-Excav-163.JPG	S	Gen. shot of the red brick surface [118], S of tanning pit [116].
164	TTBP-Excav-164.JPG	NW	Gen. shot of tanning pit [116].
165	TTBP-Excav-165.JPG	W	Gen. shot of tanning pit [116].
166	TTBP-Excav-166.JPG	S	Detail of tanning pit wall [116] showing the coursing.
167	TTBP-Excav-167.JPG	N	Gen. view of tanning pit [080].
168	TTBP-Excav-168.JPG	S	Gen. view of tanning pit [080].
169	TTBP-Excav-169.JPG	S	Detail of S wall of tanning pit [080].
170	TTBP-Excav-170.JPG	W	Detail of coursing showing through concrete lining in tanning pit [080].
171	TTBP-Excav-171.JPG	E	Detail of drainage hole in tanning pit [080].
172	TTBP-Excav-172.JPG	W	Detail of brick base in tanning pit [080] with liping on edges.
173	TTBP-Excav-173.JPG	S	Detail of tanning pit [080] E wall showing truncation
174	TTBP-Excav-174.JPG	S	Detail of remaining covering over brick base of [080].
175	TTBP-Excav-175.JPG	W	Gen. shot of [099].
176	TTBP-Excav-176.JPG	S	Plan view of [099].
177	TTBP-Excav-177.JPG	S	Gen. shot of N wall of [099].
178	TTBP-Excav-178.JPG	W	Detail of max depth slot [099].
179	TTBP-Excav-179.JPG	E	Plan shot of [099].
180	TTBP-Excav-180.JPG	E	Gen. shot of E wall of [099].
181	TTBP-Excav-181.JPG	N	Gen. shot of N wall of [099].
182	TTBP-Excav-182.JPG	NE	Gen. shot from top of [099].
183	TTBP-Excav-183.JPG	E	Gen. shot of tanning pit [084].
184	TTBP-Excav-184.JPG	W	Gen. shot of tanning pit [084].
185	TTBP-Excav-185.JPG	SW	Details inside the tanning pit [084].

Photo	Digital file name	Facing	Description
186	TTBP-Excav-186.JPG	S	Details of the N wall of tanning pit [084].
187	TTBP-Excav-187.JPG	E	Gen. shot of tanning pit [107].
188	TTBP-Excav-188.JPG	W	Detail of drainage in the W wall of t. pit [107].
189	TTBP-Excav-189.JPG	SW	Gen. shot of tanning pit [107].
190	TTBP-Excav-190.JPG	W	Gen. shot of tanning pit [109].
191	TTBP-Excav-191.JPG	E	Shot of tanning pit [107] + [109] and support column [113].
192	TTBP-Excav-192.JPG	N	Gen. shot of tanning pits [126], [107] + [109] and fill (111).
193	TTBP-Excav-193.JPG	W	Gen. shot of fill (111) between the walls of tanning pits [107] + [109] + [126].
194	TTBP-Excav-194.JPG	W	Gen. shot of fill (111) and tanning pits [107] + [109] + [126].
195	TTBP-Excav-195.JPG	E	Gen. shot of tanning pit [126].
196	TTBP-Excav-196.JPG	W	Gen. shot of tanning pit [126].
197	TTBP-Excav-197.JPG	SE	Gen. shot of fill (111) and tanning pits [107] + [109] + [126].
198	TTBP-Excav-198.JPG	N	Detail of drain [123] in tanning pit [107].
199	TTBP-Excav-199.JPG	N	Detail of drain [123] in tanning pit [107].
200	TTBP-Excav-200.JPG	S	Detail of drain [128] in tanning pit [126].
201	TTBP-Excav-201.JPG	S	Detail of drains [129] in tanning pit [126].
202	TTBP-Excav-202.JPG	S	Detail of drains [129] in tanning pit [126].
203	TTBP-Excav-203.JPG	S	Detail of drains [129] in tanning pit [126].
204	TTBP-Excav-204.JPG	S	Detail of drains [129] in tanning pit [126].
205	TTBP-Excav-205.JPG	S	Detail of support column [112].
206	TTBP-Excav-206.JPG	S	Detail of support column [113].
207	TTBP-Excav-207.JPG	SW	Detail of support column [114].
208	TTBP-Excav-208.JPG	N	Shot of tanning pit walls [107] + [109] and support columns [112] + [113] + [114].
209	TTBP-Excav-209.JPG	NW	Support column [112].
210	TTBP-Excav-210.JPG	N	Support column [113].
211	TTBP-Excav-211.JPG	NE	Support column [114].
212	TTBP-Excav-212.JPG	NW	Support column [106].
213	TTBP-Excav-213.JPG	NW	Pipe [143] in the NE end.
214	TTBP-Excav-214.JPG	NW	SE wall of tanning pit [102].
215	TTBP-Excav-215.JPG	NW	SE wall of tanning pit [102].
216	TTBP-Excav-216.JPG	NW	SE wall of tanning pit [100].
217	TTBP-Excav-217.JPG	NW	SE walls of tanning pits [100] + [102].
218	TTBP-Excav-218.JPG	NW	Pipe [143].
219	TTBP-Excav-219.JPG	NW	Detail of [121].
220	TTBP-Excav-220.JPG	W	Support column [105] between [099] + [102].
221	TTBP-Excav-221.JPG	SW	Detail of tanning pit [100] NE end.
222	TTBP-Excav-222.JPG	SW	Gen. shot of tanning pits [100] + [102] and [099].
223	TTBP-Excav-223.JPG	NE	Detail of wall truncation of tanning pit [100] at the NE end.
224	TTBP-Excav-224.JPG	SW	Detail of wall truncation of tanning pit [100]/[102] divide.
225	TTBP-Excav-225.JPG	SW	Detail of wall truncation of tanning pit [100]/[102] divide.
226	TTBP-Excav-226.JPG	SW	Drain [131].
227	TTBP-Excav-227.JPG	NE	Gen. shot of tanning pit [100].
228	TTBP-Excav-228.JPG	SW	Gen. shot of tanning pit [102].
229	TTBP-Excav-229.JPG	NE	NE end of tanning pit [102].
230	TTBP-Excav-230.JPG	SE	Detail of intersection of t. pits [100]/[102] + support column [106].

Photo	Digital file name	Facing	Description
231	TTBP-Excav-231.JPG	SE	Detail of intersection of t. pits [100]/[102] + support column [106].
232	TTBP-Excav-232.JPG	SE	Drain [132].
233	TTBP-Excav-233.JPG	SE	Detail of drain [132].
234	TTBP-Excav-234.JPG	SE	Detail of NW wall truncation of tanning pit [102].
235	TTBP-Excav-235.JPG	W	Gen. shot of structures [144] + [145] + [146].
236	TTBP-Excav-236.JPG	NW	Details of [144] + [146] + [145].
237	TTBP-Excav-237.JPG	W	Details of [144] + [146] + [145].
238	TTBP-Excav-238.JPG	W	Details of [144] + [146] + [145].
239	TTBP-Excav-239.JPG	W	Details of [145].
240	TTBP-Excav-240.JPG	S	Gen. shot of [148], [149] + (150).
241	TTBP-Excav-241.JPG	N	Gen. shot of [148], [149] + (150).
242	TTBP-Excav-242.JPG	N	Gen. shot of [148], [149] + (150).
243	TTBP-Excav-243.JPG	NW	Gen. shot of [148], [149] + (150).
244	TTBP-Excav-244.JPG	NE	Gen. shot of [148], [149] + (150).
245	TTBP-Excav-245.JPG	SE	SE end of (152), W walls [148], [149] + [151].
246	TTBP-Excav-246.JPG	SW	Shot of wall [151] + surface (152).
247	TTBP-Excav-247.JPG	NE	SE portion (152), [151], [149], (150) + [148].
248	TTBP-Excav-248.JPG	NE	Turn of [148] at W corner.
249	TTBP-Excav-249.JPG	NE	Turn of [148] at W corner.
250	TTBP-Excav-250.JPG	NW	Full depth of [148] NW wall.
251	TTBP-Excav-251.JPG	NW	Full depth of [148] NW wall.
252	TTBP-Excav-252.JPG	NW	Gen. shot of [148], [149] + [151] + (152).
253	TTBP-Excav-253.JPG	SW	Detail turn of [148] in S corner.
254	TTBP-Excav-254.JPG	S	Gen. shot of walls [154] + [153].
255	TTBP-Excav-255.JPG	N	Gen. shot of wall [155].
256	TTBP-Excav-256.JPG	SE	Gen. shot of walls [153], [154], [149], [148].
257	TTBP-Excav-257.JPG	S	Gen. shot of walls [148], [156], [153] + [154].
258	TTBP-Excav-258.JPG	N	Gen. shot of walls [148], [156], [153] + [154].
259	TTBP-Excav-259.JPG	E	Gen. shot of flag stone [157] + wall [148].
260	TTBP-Excav-260.JPG		Working shot.
261	TTBP-Excav-261.JPG		Working shot.
262	TTBP-Excav-262.JPG		Working shot.
263	TTBP-Excav-263.JPG		Working shot.
264	TTBP-Excav-264.JPG		Working shot.
265	TTBP-Excav-265.JPG		Working shot.
266	TTBP-Excav-266.JPG		Working shot.
267	TTBP-Excav-267.JPG		Working shot.
268	TTBP-Excav-268.JPG	N	Tanning pit [162].
269	TTBP-Excav-269.JPG	W	Tanning pit [162].
270	TTBP-Excav-270.JPG	S	Tanning pits [163] - [165].
271	TTBP-Excav-271.JPG	S	Tanning pits [163] - [165].
272	TTBP-Excav-272.JPG	N	Tanning pit [166].
273	TTBP-Excav-273.JPG	S	Tanning pit [166].
274	TTBP-Excav-274.JPG	N	Tanning pit [167].
275	TTBP-Excav-275.JPG	N	Tanning pit [167].
276	TTBP-Excav-276.JPG	W	Tanning pit [167].
277	TTBP-Excav-277.JPG	S	Tanning pit [168].
278	TTBP-Excav-278.JPG	S	Tanning pit [168].

Photo	Digital file name	Facing	Description
279	TTBP-Excav-279.JPG	W	Tanning pit [168].
280	TTBP-Excav-280.JPG	W	Tanning pit [168].
281	TTBP-Excav-281.JPG	N	Tanning pit [171].
282	TTBP-Excav-282.JPG	W	Tanning pit [171].
283	TTBP-Excav-283.JPG	N	Tanning pit [171].
284	TTBP-Excav-284.JPG	N	Tanning pit [171].
285	TTBP-Excav-285.JPG	W	Working shot.
286	TTBP-Excav-286.JPG	SW	Gen. shot of [172] to N of excavated tanning pit [171].
287	TTBP-Excav-287.JPG	NW	Gen. shot of [172] to S of tanning pit [173].
288	TTBP-Excav-288.JPG	N	S facing section of [171] showing clay pipe.
289	TTBP-Excav-289.JPG	E	W facing section of [175].
290	TTBP-Excav-290.JPG	E	W facing section of [175].
291	TTBP-Excav-291.JPG	E	E end wall of [173] truncated by clay pipe.
292	TTBP-Excav-292.JPG	E	W facing section wall (E side) of [174].
293	TTBP-Excav-293.JPG	E	W facing section wall of [174].
294	TTBP-Excav-294.JPG	NE	Gen. shot of [174].
295	TTBP-Excav-295.JPG	NE	Gen. shot of the NE corner of tanning pit [174].
296	TTBP-Excav-296.JPG	E	Gen. shot of tanning pit [174] showing wall to [189] + [236].
297	TTBP-Excav-297.JPG	S	N facing section of wall [174] + [189].
298	TTBP-Excav-298.JPG	W	Gen. shot of tanning pit [189].
299	TTBP-Excav-299.JPG	NE	Shot of [174] abutting [148] and truncated by [236].
300	TTBP-Excav-300.JPG	S	Detail of floor in tanning pit [175].
301	TTBP-Excav-301.JPG	E	Gen. shot of tanning pit [175].
302	TTBP-Excav-302.JPG	E	W facing elevation shot of wall [175].
303	TTBP-Excav-303.JPG	NE	Gen. shot of tanning pit [175] foreground [174] background.
304	TTBP-Excav-304.JPG	W	Gen. shot of tanning pits [174] + [189] + [211].
305	TTBP-Excav-305.JPG	W	Gen. shot of tanning pit [211] with concrete block [237].
306	TTBP-Excav-306.JPG	SW	Oblique shot [211] with concrete block [237].
307	TTBP-Excav-307.JPG	E	Gen. shot of tanning pit [211] with concrete block [237].
308	TTBP-Excav-308.JPG	W	Detail [211], removed mid. wall section.
309	TTBP-Excav-309.JPG	S	Detail [211], removed mid. wall section.
310	TTBP-Excav-310.JPG	S	Detail [211], removed mid. wall section.
311	TTBP-Excav-311.JPG	NW	Detail [237], oblique fit on wall.
312	TTBP-Excav-312.JPG	W	Detail [237], oblique fit on wall.
313	TTBP-Excav-313.JPG	S	Detail [237].
314	TTBP-Excav-314.JPG	S	Detail [237].
315	TTBP-Excav-315.JPG	S	Detail [237] over [211] + [212] division + wall section.
316	TTBP-Excav-316.JPG	N	Detail [237] over [211] + [212] division + wall section.
317	TTBP-Excav-317.JPG	NE	Gen. area shot [212] with [237].
318	TTBP-Excav-318.JPG	NW	Gen. shot [212].
319		-	Photogrammetry shot (DWG 012).
320	TTBP-Excav-320.JPG	E	Gen. pre-ex shot of wood lined pit [266].
321	TTBP-Excav-321.JPG	E	Gen. shot of pit cut [266].
322	TTBP-Excav-322.JPG	SE	Pit [266] adjacent to cut [257].
323	TTBP-Excav-323.JPG	NE	Pit [266] in front of cut [257] for foundation.
324	TTBP-Excav-324.JPG	S	Construction cut fill (258) below foundation [256].
325	TTBP-Excav-325.JPG	S	Construction cut fill (258) below foundation [256].
326	TTBP-Excav-326.JPG	S	Construction cut fill (258) below foundation [256].

Photo	Digital file name	Facing	Description
327	TTBP-Excav-327.JPG	E	W facing section of foundation cut [257].
328	TTBP-Excav-328.JPG	E	W facing section of foundation cut [257].
329	TTBP-Excav-329.JPG	SW	NE facing section of foundation cut [257].
330	TTBP-Excav-330.JPG	S	Construction cut [257] for foundation [256] for wall [148].
331	TTBP-Excav-331.JPG	SW	[147] possible machine base.
332	TTBP-Excav-332.JPG	W	[147] possible machine base.
333	TTBP-Excav-333.JPG	E	[147] possible machine base.
334	TTBP-Excav-334.JPG	NE	[147] possible machine base.
335	TTBP-Excav-335.JPG	N	S facing elevation of wall [253].
336	TTBP-Excav-336.JPG	N	Detail of S facing section [253].
337	TTBP-Excav-337.JPG	N	Abutment of [253] against [148] over foundation [256].
338	TTBP-Excav-338.JPG	W	Gen. shot of wall [253].
339	TTBP-Excav-339.JPG	S	N facing section showing wall [253].
340	TTBP-Excav-340.JPG	S	Detail of N facing section showing of wall [253].
341	TTBP-Excav-341.JPG	S	N facing section showing wall [253] over foundation [254].
342	TTBP-Excav-342.JPG	S	Detail of wall [253] over drain over foundation [256].
343	TTBP-Excav-343.JPG	W	E facing slot against wall [253].
344		-	Photogrammetry (DWG 13).
345	TTBP-Excav-345.JPG	E	[266] cut of timber lined pit.
346	TTBP-Excav-346.JPG	SE	Gen. shot of NW facing section of pit [266].
347	TTBP-Excav-347.JPG	SE	NW facing section of pit [266] with timber lining.
348	TTBP-Excav-348.JPG	SE	NW facing section of pit [266] with timber lining.
349	TTBP-Excav-349.JPG	E	Half section of timber lined pit [266].
350	TTBP-Excav-350.JPG	E	Detail shot of timber drain/pipe in fill (267).
351	TTBP-Excav-351.JPG	E	Gen. shot of [190] + [210].
352	TTBP-Excav-352.JPG	W	Gen. shot of [190] + [210].
353	TTBP-Excav-353.JPG	S	Detail of partition wall between [190] and [210].
354	TTBP-Excav-354.JPG	E	Gen. shot of tanning pits [262], [214] and [209].
355	TTBP-Excav-355.JPG	W	Gen. shot of tanning pits [262], [214] and [209].
356	TTBP-Excav-356.JPG	N	Detail of partition wall of N wall of [262] abutting outer wall.
357	TTBP-Excav-357.JPG	SE	Buttress at the NW corner of [262].
358	TTBP-Excav-358.JPG	E	Gen. shot of [263] + [215] + [208].
359	TTBP-Excav-359.JPG	W	Gen. shot of [263] + [215] + [208].
360	TTBP-Excav-360.JPG	SE	Detail of pillar in the SE corner of [215].
361	TTBP-Excav-361.JPG	SW	Detail of pillar in the SW corner of [208].
362	TTBP-Excav-362.JPG	E	Gen. shot of [192] and [186].
363	TTBP-Excav-363.JPG	W	Gen. shot of [192] and [186].
364	TTBP-Excav-364.JPG	SE	Detail of pillar in the SE corner of [192].
365	TTBP-Excav-365.JPG	SW	Detail of pillar in the SW corner of [186].
366	TTBP-Excav-366.JPG	E	Gen. shot of [187].
367	TTBP-Excav-367.JPG	W	Gen. shot of [187].
368	TTBP-Excav-368.JPG	S	Gen. shot of [185].
369	TTBP-Excav-369.JPG	N	Gen. shot of [185].
370	TTBP-Excav-370.JPG	S	Detail of masonry scar in [185].
371	TTBP-Excav-371.JPG	NW	Gen. shot of [160] + [161] + [234].
372	TTBP-Excav-372.JPG	N	Gen. shot of [161].
373	TTBP-Excav-373.JPG	N	Gen. shot of [161].
374	TTBP-Excav-374.JPG	N	Gen. shot of [160].

Photo	Digital file name	Facing	Description
375	TTBP-Excav-375.JPG	E	Gen. shot of [161].
376	TTBP-Excav-376.JPG	E	Gen. shot of [161].
377	TTBP-Excav-377.JPG	E	Gen. shot of [161].
378	TTBP-Excav-378.JPG	S	Detail drain at S of [161].
379	TTBP-Excav-379.JPG	S	Detail drain at S of [161].
380	TTBP-Excav-380.JPG	S	Detail drain at S of [161].
381	TTBP-Excav-381.JPG	E	[235] block a.
382	TTBP-Excav-382.JPG	E	[235] block b.
383	TTBP-Excav-383.JPG	NE	[235] block d.
384	TTBP-Excav-384.JPG	W	Gen. shot [226].
385	TTBP-Excav-385.JPG	E	Gen. shot [226].
386	TTBP-Excav-386.JPG	E	Brick detail [226].
387	TTBP-Excav-387.JPG	N	Gen. shot [199].
388	TTBP-Excav-388.JPG	W	E facing section [199].
389	TTBP-Excav-389.JPG	N	Gen. shot [194].
390	TTBP-Excav-390.JPG	W	Brick detail [194].
391	TTBP-Excav-391.JPG	E	Detail of wall scar of [194].
392	TTBP-Excav-392.JPG	E	Detail of wall scar of [194].
393	TTBP-Excav-393.JPG	N	Gen. shot [179].
394	TTBP-Excav-394.JPG	E	Gen. shot [179].
395	TTBP-Excav-395.JPG	E	Gen. shot [179].
396	TTBP-Excav-396.JPG	SE	Detail of [179] SE corner with pillar [244].
397	TTBP-Excav-397.JPG	SE	Detail of [179] SE corner with pillar [244].
398	TTBP-Excav-398.JPG	SE	Detail of [179] SE corner with pillar [244].
399	TTBP-Excav-399.JPG	W	Gen. shot [167].
400	TTBP-Excav-400.JPG	W	Floor detail [167].
401	TTBP-Excav-401.JPG	W	Floor detail [167].
402	TTBP-Excav-402.JPG	NW	Detail [167] NW corner with pillar [244].
403	TTBP-Excav-403.JPG	S	Gen. shot [183].
404	TTBP-Excav-404.JPG	S	Wall detail [183].
405	TTBP-Excav-405.JPG	W	Gen. shot [183].
406	TTBP-Excav-406.JPG	W	Wall detail [183].
407	TTBP-Excav-407.JPG	W	Wall detail [183].
408	TTBP-Excav-408.JPG	W	Wall detail [183].
409	TTBP-Excav-409.JPG	W	NAT strip 1.
410	TTBP-Excav-410.JPG	S	Section at S end strip 1.
411	TTBP-Excav-411.JPG	E	Gen. shot [197].
412	TTBP-Excav-412.JPG	S	Gen. shot [197].
413	TTBP-Excav-413.JPG	E	Gen. shot [228].
414	TTBP-Excav-414.JPG	SW	Detail of removed pillar.
415	TTBP-Excav-415.JPG	N	Detail of floor scaring from wall.
416	TTBP-Excav-416.JPG	N	Detail of floor scaring from wall.
417	TTBP-Excav-417.JPG	N	Detail of floor scaring from wall.
418	TTBP-Excav-418.JPG	W	Gen. shot [196].
419	TTBP-Excav-419.JPG	E	Gen. shot [196].
420	TTBP-Excav-420.JPG	E	Wall detail [196].
421	TTBP-Excav-421.JPG	E	Wall detail [196].
422			VOID.

Photo	Digital file name	Facing	Description
423	TTBP-Excv-423.JPG	S	Gen. shot [181].
424	TTBP-Excv-424.JPG	N	Gen. shot [181].
425	TTBP-Excv-425.JPG	W	Gen. shot [181].
426	TTBP-Excv-426.JPG	W	Wall detail [181].
427	TTBP-Excv-427.JPG	W	Gen. shot [162].
428	TTBP-Excv-428.JPG	W	Wall detail [162].
429	TTBP-Excv-429.JPG	W	Wall detail [162].
430	TTBP-Excv-430.JPG	W	Wall detail [162].
431	TTBP-Excv-431.JPG	N	Wall [162] at LOE
432	TTBP-Excv-432.JPG	E	Gen. shot of tanning pit [232].
433	TTBP-Excv-433.JPG	S	Detail shot of tanning pit [232].
434	TTBP-Excv-434.JPG	W	Detail of foundation [256] in tanning pit [232].
435	TTBP-Excv-435.JPG	E	Detail of floor in [232].
436	TTBP-Excv-436.JPG	W	Natural gravels below tannery, strip 1- N end of areas.
437	TTBP-Excv-437.JPG	W	Natural gravels below tannery, strip 2- N end of areas.
438	TTBP-Excv-438.JPG	W	Cast iron column.
439	TTBP-Excv-439.JPG	W	Cast iron column.
440	TTBP-Excv-440.JPG	W	Pit [280] cut into natural sand and gravels- strip 3.
441	TTBP-Excv-441.JPG	E	Pit [280] cut into natural sand and gravels- strip 3.
442	TTBP-Excv-442.JPG	N	Machine cut slot through W edge of pit [280].
443	TTBP-Excv-443.JPG	N	Machine cut slot through W edge of pit [280].
444	TTBP-Excv-444.JPG	SW	Natural clays and gravels below tannery, strip 4.
445	TTBP-Excv-445.JPG	S	Top of wall [276] exposed by machine, E half.
446	TTBP-Excv-446.JPG	S	Top of wall [276] exposed by machine, W half.
447	TTBP-Excv-447.JPG	E	Top of wall [276] exposed by machine, W half.
448	TTBP-Excv-448.JPG	N	Concrete base for drain [270].
449	TTBP-Excv-449.JPG	N	Concrete base for drain [270].
450	TTBP-Excv-450.JPG	E	Natural clays and gravels below tannery, strip 4.
451	TTBP-Excv-451.JPG	SW	Partial flooding of surface below tannery, strip 4.
452	TTBP-Excv-452.JPG	SW	Structure [279] partly flooded by ground water.
453	TTBP-Excv-453.JPG	S	Rubble drain [273].
454	TTBP-Excv-454.JPG	W	Rubble drain [273].
455	TTBP-Excv-455.JPG	W	Top of walls [276] partly cleaned, partly flooded.
456	TTBP-Excv-456.JPG	W	Top of walls [276] partly cleaned, partly flooded.
457	TTBP-Excv-457.JPG	W	Drain [273] running up to the NE corner of [276].
458	TTBP-Excv-458.JPG	N	Top of walls [276], partly cleaned, partly flooded.
459	TTBP-Excv-459.JPG	S	Top of walls [276], partly cleaned, partly flooded.
460	TTBP-Excv-460.JPG	E	Top of walls [276], partly cleaned, partly flooded.
461	TTBP-Excv-461.JPG	NE	Top of walls [276], partly cleaned, partly flooded.
462	TTBP-Excv-462.JPG	NW	Top of walls [276], partly cleaned, partly flooded.
463	TTBP-Excv-463.JPG	W	Top of walls [276], partly cleaned, partly flooded.
464	TTBP-Excv-464.JPG	W	Machine cut slot through tanning pit [279].
465	TTBP-Excv-465.JPG	S	S wall of tanning pit [279] exposed in machine cut slot.

Drawing Register

Drawing	Scale	Details
1	1:10	SE facing section of post-hole [034].
2	1:10	SW facing section of barrel pit [018].
3	-	Photogrammetry. Point SE N area {3834-3912}.
4	-	Photogrammetry. Centre E N area.
5	-	Photogrammetry. NE N area.
6	-	Photogrammetry. Centre N N area.
7	-	Photogrammetry. Centre site N area.
8	-	Photogrammetry. Centre S N area.
9	-	Photogrammetry. SW N area.
10	-	Photogrammetry. Centre W N area.
11	-	Photogrammetry. NW N area.
12	-	Photogrammetry. S area {4114- 4248}.
13	-	Photogrammetry. S area {4273- 4518}.
14	-	Photogrammetry. Old tanning pit [279] {4646- 4671}.
15	-	Photogrammetry. Barrel pit [018]. {3745 -3760}.

APPENDIX 2

DES Entry

LOCAL AUTHORITY:	City of Edinburgh Council
PROJECT TITLE/SITE NAME:	Beaverbank Place, Edinburgh
PROJECT CODE:	TTBP18
PARISH:	Edinburgh
NAME OF CONTRIBUTOR:	Magnar Dalland
NAME OF ORGANISATION:	Headland Archaeology Ltd
TYPE(S) OF PROJECT:	Excavation
NMRS NO(S):	None
SITE/MONUMENT TYPE(S):	N/A
SIGNIFICANT FINDS:	N/A
NGR (2 letters, 8 or 10 figures)	NT 2551 7524
START DATE (this season)	02.07.2018
END DATE (this season)	26.07.2018

PREVIOUS WORK (incl. DES ref.) yes

MAIN (NARRATIVE) DESCRIPTION:
(May include information from other fields)

Headland Archaeology (UK) Ltd undertook an excavation of a proposed development site at the east side of Beaverbank Place, Edinburgh. The excavation followed on from a trial trenching evaluation carried out in April 2018 that recorded the presence of a series of tanning pits belonging to a 19th century tannery located in the south half of the site.

The excavation was carried out in two parts for logistical reasons, but the two areas reflected the differing histories of the two parts of the site. The north area largely contained features associated with buildings depicted of maps from 1877 onwards. The early buildings were cleared from the area around 1910 and a garage was built on this part of the site by the 1930s. These buildings were not demolished until recently.

The south area was dominated by the tannery built during the third quarter of the 19th century. It comprised around 100 tanning pits. There was some evidence of minor alterations to the pits over time and some later pits to the south had improved designs with drains built into the base of the pits. The tannery went out of use and was converted into a cooperage in the late 1930s or early 1940s.

An earlier stone-line rectangular pit was uncovered below the tannery at the south end of the site. Although it is of unknown date, its fill contained 19th century pot sherds and it is thought to be related to Logie Mill located nearby.

PROPOSED FUTURE WORK: No

CAPTION(S) FOR ILLUSTRS: N/A

SPONSOR OR FUNDING BODY: CCG (Scotland) Ltd

ADDRESS OF MAIN CONTRIBUTOR: 13 Jane Street, Edinburgh. EH6 5HE

EMAIL ADDRESS: magnar.dalland@headlandarchaeology.com

ARCHIVE LOCATION (intended/deposited) NRHE

LIST OF ILLUSTRATIONS

ILLUS 1 SITE LOCATION

ILLUS 2 MAP REGRESSION **A** OS 1852; **B** 1877; **C** 1894; **D** 1931)

ILLUS 3 PHOTOGRAMMETRY MODEL OF SITE

ILLUS 4 PLAN OF NORTH AREA

ILLUS 5 ROW OF FIVE POST-HOLES [061, 029, 031, 034, 036] ALONG THE WEST EDGE OF THE AREA. FACING NORTH-WEST

ILLUS 6 REMAINS OF RECTANGULAR BRICK-BUILT STRUCTURE [046,047] AT NORTH EDGE OF SITE. REMAINS OF ASSOCIATED PAVING [045] CAN BE SEEN AT THE SOUTH-EAST CORNER OF THE STRUCTURE. FACING NORTH

ILLUS 7 SECTION ACROSS BARREL-LINED PIT [018]. FACING NNE

ILLUS 8 BASAL BRICK COURSES ON TOP OF CONCRETE WALL FOUNDATIONS IN EAST HALF OF THE NORTH AREA. FACING NNW

ILLUS 9 BRICK-BUILT RECTANGULAR PIT [043]. FACING ENE

ILLUS 10 BRICK-BUILT RECTANGULAR PIT [013]. FACING WSW

ILLUS 11 UNDERGROUND FUEL TANK WITHIN BRICK CHAMBER. FACING NNW

ILLUS 12 PLAN OF SOUTH AREA

ILLUS 13 BLOCK OF CONCRETE SPANNING PITS [211 AND 212]. FACING WNW

ILLUS 14 BLOCK OF CONCRETE IN NORTH-EAST CORNER OF PIT [174]. FACING NORTH-EAST

ILLUS 15 TRACES OF THREE REMOVED DIVISION WALLS IN PIT [171]. ONE SINGLE BRICK WALL NEAR THE MIDDLE OF THE SCALE AND TWO DOUBLE BRICK WALLS AT EITHER END OF THE SCALE. FACING NNW

ILLUS 16 TRACES OF REMOVED DIVISION WALL IN PIT [228]. FACING EAST

ILLUS 17 PIT [183]. DOUBLE BRICK WALLS AT EITHER END, SINGLE BRICK WALLS WITH CONCRETE RENDERING ON BOTH SIDES. TRACES OF REMOVED DOUBLE BRICK WALL DOWN THE MIDDLE. FACING SSE

ILLUS 18 TRACE OF REMOVED DOUBLE BRICK WALL ON RENDERED EAST WALL OF PIT [194]. FACING ENE

ILLUS 19 REMAINS OF DOUBLE BRICK DIVISION WALL IN PIT [221]. SEVERAL BRICKS IN THE FLOOR OF THE PIT HAVE FACTORY STAMP. FACING NNW

ILLUS 20 DETAIL SHOWING STAMPED BRICK

ILLUS 21 PIT [126]. TRACES OF THREE DIVISION WALLS CAN BE SEEN JUST BEYOND THE THREE SQUARE HOLES BY THE SOUTH WALL. FACING EAST

ILLUS 22 DETAIL SHOWING CIRCULAR LID SEALING DRAIN IN PIT [126]. FACING SOUTH

ILLUS 23 PIT [107]. PLUGGED DRAIN HOLE AT NORTH-EAST CORNER. SCAR FROM REMOVED DIVISION WALL JUST BEYOND THE SCALE. CONCRETE MOUND SEALING DRAIN HOLE ABOVE LEFT END OF SCALE. FACING ENE

ILLUS 24 BLOCK E WITH PITS [107, 109 AND 126]. THE RECTANGULAR HOLE CONNECTING PITS [107 AND 109] TO THE LEFT OF THE SCALE, THE TOP OF THE COLLECTING DRAIN PIPE CAN BE SEEN AT THE BASE OF THE WALL IN THE FOREGROUND. FACING SOUTH-WEST

ILLUS 25 PITS [100 AND 102]. FACING WSW

ILLUS 26 DETAIL SHOWING REMAINS OF WALL BETWEEN PITS [100 AND 102]. FACING WSW

ILLUS 27 NARROW BRICK TROUGH [161]. FACING NORTH-WEST

ILLUS 28 DRAIN PIPE AT SOUTH END OF TROUGH. FACING SOUTH

ILLUS 29 RECTANGULAR BRICK PILLAR [104]. FACING NORTH-WEST

ILLUS 30 PITS [080, 082, 084, 085 AND 116] AT THE SOUTH END OF THE SITE. FACING SOUTH-EAST

ILLUS 31 PIT [080]. FACING ESE

ILLUS 32 PIT [082]. PIPE CONNECTING IT TO PIT [084] IN THE MIDDLE OF THE WALL IN THE BACKGROUND. DRAIN HOLE AT THE BOTTOM LEFT CORNER. FACING ESE

ILLUS 33 PIT [084]. BRICK PILLAR AGAINST THE WALL IN THE BACKGROUND. LOW RECTANGULAR PLINTH UP AGAINST THE LEFT WALL. FACING ESE

ILLUS 34 CAST IRON PILLAR SET INTO THE SOUTH WALL OF PITS [131/132] RESTING ON SANDSTONE BLOCK ON TOP OF CONCRETE FOUNDSTION. FACING NNW

ILLUS 35 CAST IRON PILLAR

ILLUS 36 RECTANGULAR AREA OF SANDSTONE BLOCKS [252]. FACING EAST

ILLUS 37 REMAINS OF POSSIBLE WOODEN WALL [144] AT WEST EDGE OF SITE. FACING WEST

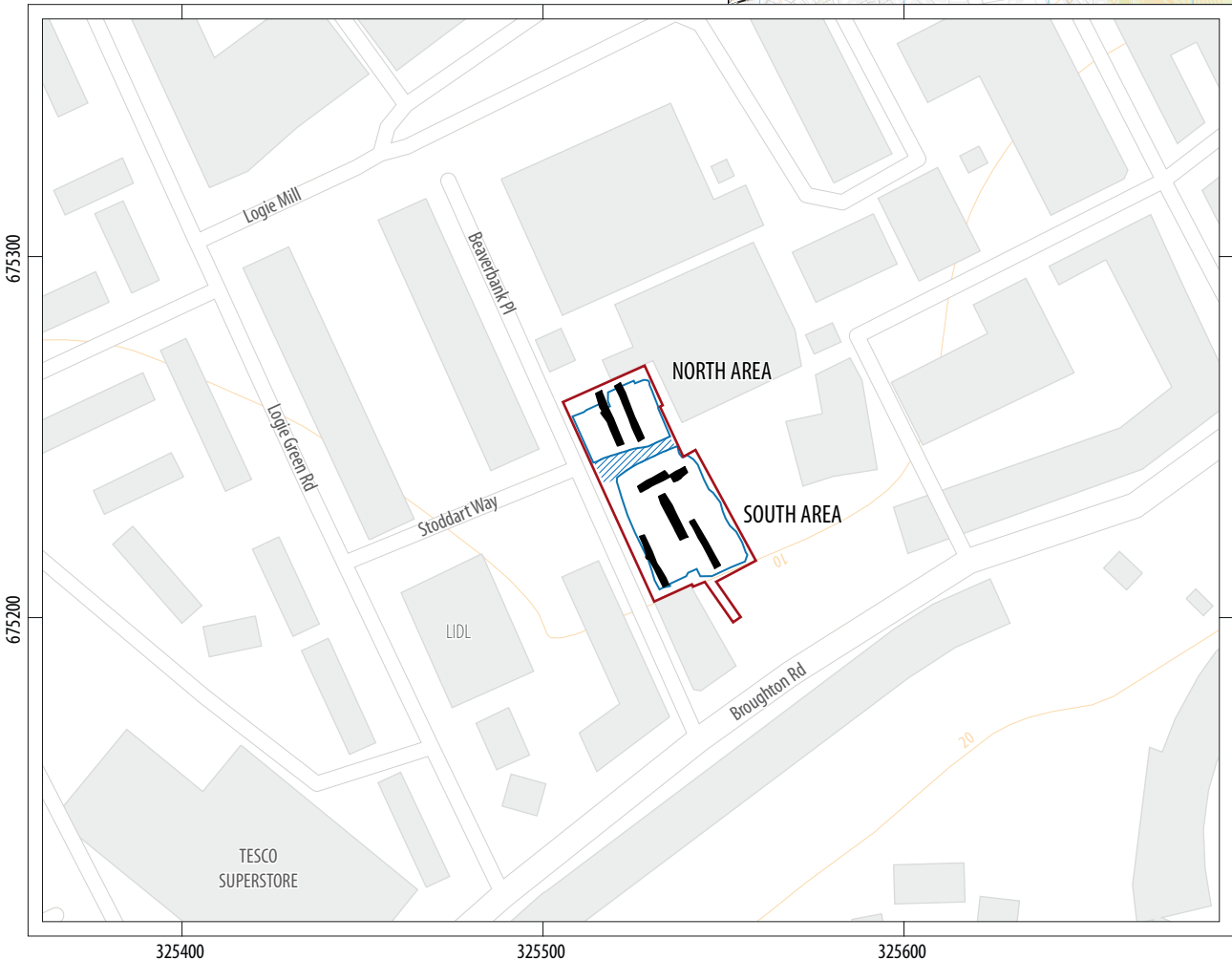
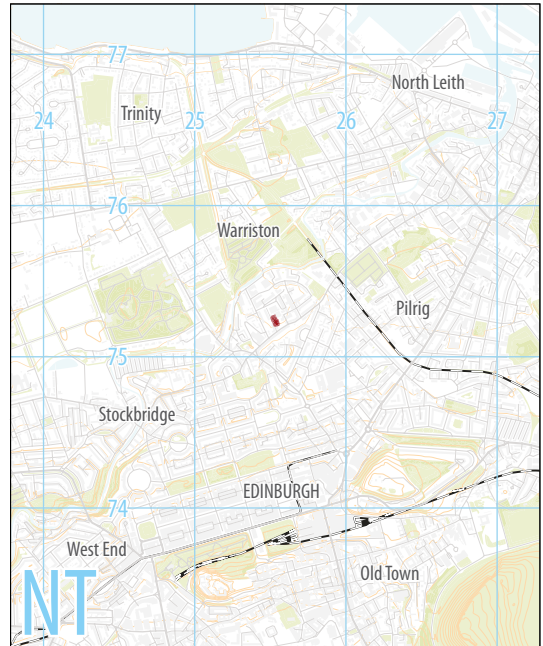
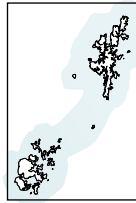
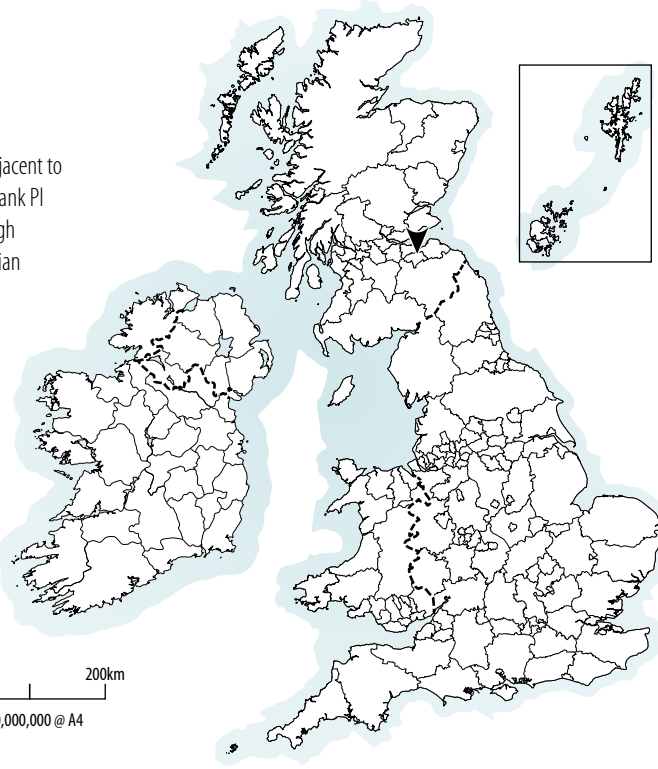
ILLUS 38 GROUND WATER FLOODING SOUTH-EAST CORNER OF SITE. FACING SOUTH-WEST

ILLUS 39 RECTANGULAR STONE STRUCTURE [276]. FACING WSW

ILLUS 40 SOUTH WALL OF STRUCTURE [276] EXPOSED IN SLOT. FACING SSE

Land adjacent to
Beaverbank PI
Edinburgh
Midlothian

0 200km
1:10,000,000 @ A4



675300

675200

325400

325500

325600

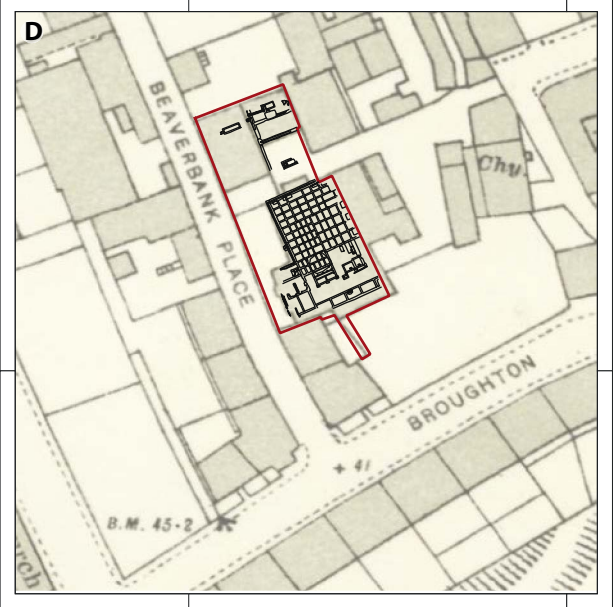
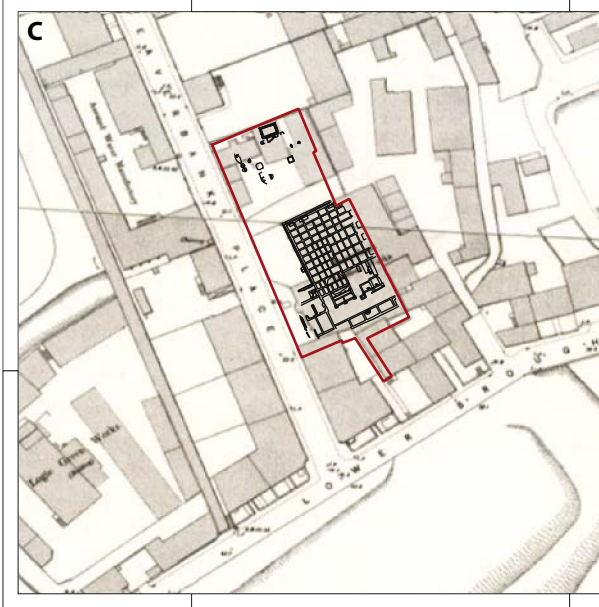
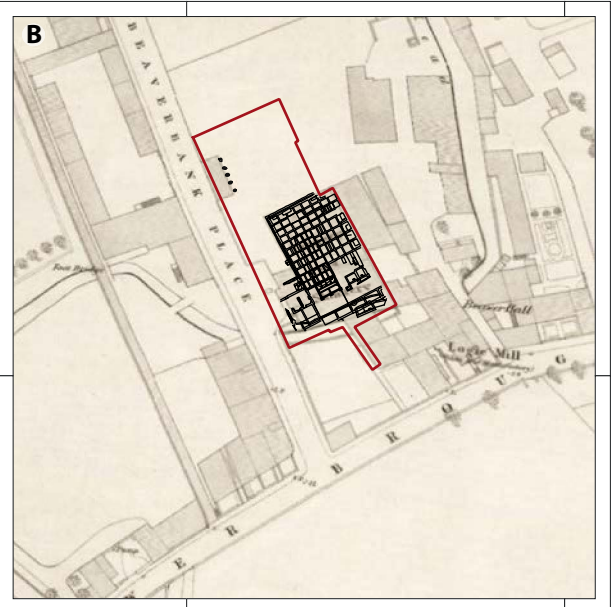
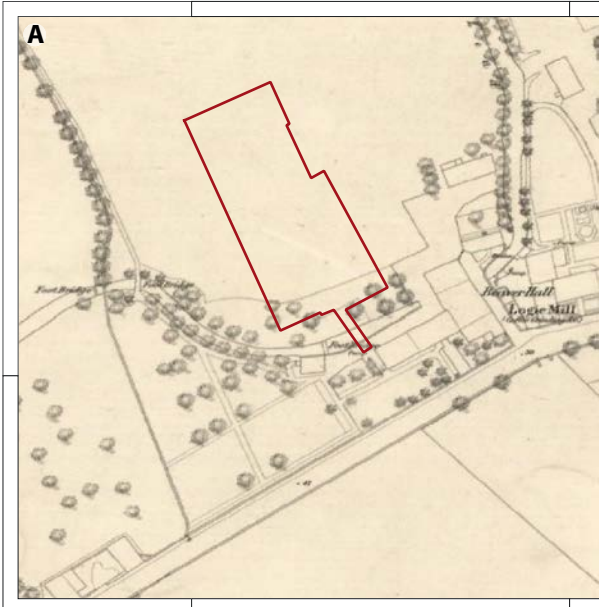
0 40m
1:2,000 @ A4

- development boundary
- limit of excavation
- BT cable exclusion zone
- trench location

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w www.headlandarchaeology.com

ILLUS 1 Site location



675200

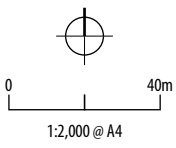
675200

32550

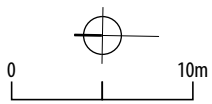
32560

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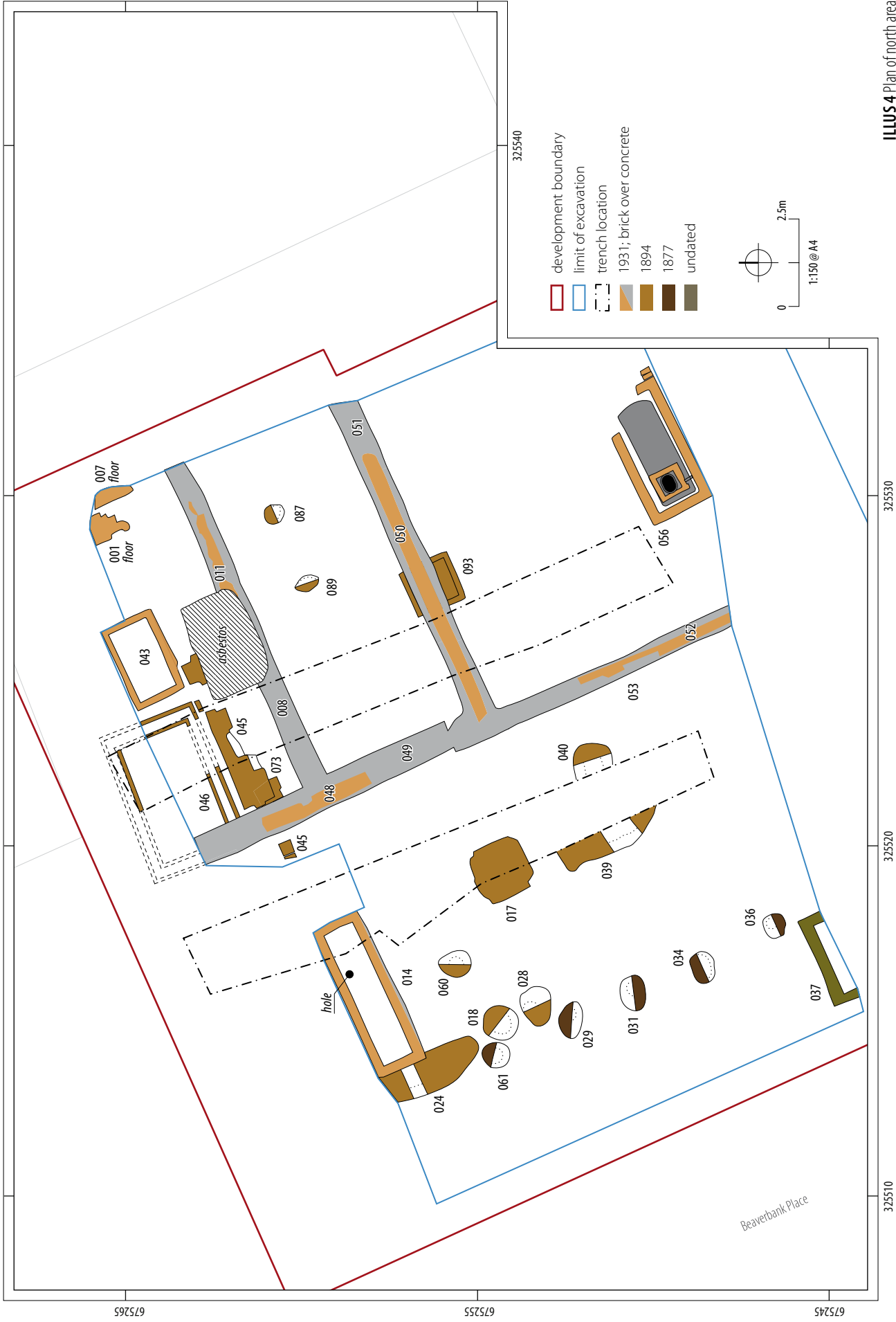
32560



ILLUS 2 Map regression A OS 1852; B 1877; C 1894; D 1931)



ILLUS 3 Photogrammetry model of site



ILLUS 4 Plan of north area



ILLUS 5 Row of five post-holes [061, 029, 031, 034, 036] along the west edge of the area. Facing north-west **ILLUS 6** Remains of rectangular brick-built structure [046,047] at north edge of site. Remains of associated paving [045] can be seen at the south-east corner of the structure. Facing north **ILLUS 7** Section across barrel-lined pit [018]. Facing NNE



ILLUS 8 Basal brick courses on top of concrete wall foundations in east half of the North Area. Facing NNW



ILLUS 9 Brick-built rectangular pit [043]. Facing ENE **ILLUS 10** Brick-built rectangular pit [013]. Facing WSW **ILLUS 11** Underground fuel tank within brick chamber. Facing NNW



ILLUS 12 Plan of south area



ILLUS 13 Block of concrete spanning pits [211 and 212]. Facing WNW **ILLUS 14** Block of concrete in north-east corner of pit [174]. Facing north-east
ILLUS 15 Traces of three removed division walls in pit [171]. One single brick wall near the middle of the scale and two double brick walls at either end of the scale. Facing NNW



ILLUS 16 Traces of removed division wall in pit [228]. Facing east **ILLUS 17** Pit [183]. Double brick walls at either end, single brick walls with concrete rendering on both sides. Traces of removed double brick wall down the middle. Facing SSE **ILLUS 18** Trace of removed double brick wall on rendered east wall of pit [194]. Facing ENE **ILLUS 19** Remains of double brick division wall in pit [221]. Several bricks in the floor of the pit have factory stamp. Facing NNW



ILLUS 20 Detail showing stamped brick



ILLUS 21 Pit [126]. Traces of three division walls can be seen just beyond the three square holes by the south wall. Facing east **ILLUS 22** Detail showing circular lid sealing drain in pit [126]. Facing south **ILLUS 23** Pit [107]. Plugged drain hole at north-east corner. Scar from removed division wall just beyond the scale. Concrete mound sealing drain hole above left end of scale. Facing ENE



ILLUS 24 Block E with pits [107, 109 and 126]. The rectangular hole connecting Pits [107 and 109] to the left of the scale, the top of the collecting drain pipe can be seen at the base of the wall in the foreground. Facing south-west **ILLUS 25** Pits [100 and 102]. Facing WSW **ILLUS 26** Detail showing remains of wall between pits [100 and 102]. Facing WSW



ILLUS 27 Narrow brick trough [161]. Facing north-west

ILLUS 28 Drain pipe at south end of trough. Facing south

ILLUS 29 Rectangular brick pillar [104]. Facing north-west



ILLUS 30 Pits [080, 082, 084, 085 and 116] at the south end of the site. Facing south-east **ILLUS 31** Pit [080]. Facing ESE **ILLUS 32** Pit [082]. Pipe connecting it to pit [084] in the middle of the wall in the background. Drain hole at the bottom left corner. Facing ESE



ILLUS 33 Pit [084]. Brick pillar against the wall in the background. Low rectangular plinth up against the left wall. Facing ESE **ILLUS 34** Cast iron pillar set into the south wall of pits [131/132] resting on sandstone block on top of concrete foundation. Facing NNW **ILLUS 35** Cast iron pillar **ILLUS 36** Rectangular area of sandstone blocks [252]. Facing east



ILLUS 37 Remains of possible wooden wall [144] at west edge of site. Facing west **ILLUS 38** Ground water flooding south-east corner of site. Facing south-west
ILLUS 39 Rectangular stone structure [276]. Facing WSW **ILLUS 40** South wall of structure [276] exposed in slot. Facing SSE