Report on Archaeological Watching Brief



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HONOURABLE ARTILLERY COMPANY CITY ROAD LONDON BOROUGH OF ISLINGTON REPORT ON ARCHAEOLOGICAL WATCHING BRIEF

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Non Technical Summary

Wessex Archaeology (London) was commissioned by Carden and Godfrey on behalf of the Honourable Artillery Company to carry out an archaeological watching brief on groundwork at the Armoury Room Project, the Honourable Artillery Company, City Road, EC1, in the London Borough of Islington, centred on NGR 532720 182188.

The results of the watching brief reaffirm the development history of the Site, postulated in Wessex Archaeology's earlier evaluation (Wessex Archaeology, 2004) and the desk-based conservation plan (Wessex Archaeology, 2002) and is broadly similar to the sequence recorded in other archaeological works carried out in the area.

The earliest evidence of human activity on Site comprised three sherds of residual Roman pottery uncovered in later post–medieval contexts.

A series of rectangular quarry pits was uncovered, cut into the underlying brick earth and gravel deposits of the natural geology. Finds from the initial silting up of these features have given a medieval date for their abandonment. These pits were subsequently reused as rubbish pits and contained pottery dating to the 16th -17th centuries.

The subsequent archaeological sequence on Site was characterised by a series of dumps and levelling deposits which sealed the quarry pits. These deposits, which have been dated to the 16th - 17th centuries, contained large quantities of ashes and coal fragments and were almost certainly derived from the raking out of domestic fires, domestic refuse and building rubble.

Evidence of ironworking was also retrieved, but no associated structures were observed.

No human remains were observed during the watching brief and it would appear that the former Bunhill burial ground did not extend on to the Site.

The watching brief found very few structural remains, those observed included the remains of a 19th century brick cess pit or soak away, several brick walls, a capped well and two brick lined culverts.

Brick earth deposits were only present in the north eastern corner of the Site. This *in situ* deposit was observed to slope up towards the east (from 16.00m aOD to 16.30m aOD).

Natural geological deposits comprising coarse sandy and clayey gravels were recorded across the entire Site, at a height of between 15.60m aOD and 15.40m aOD.

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The assistance of Diane Walls the English Heritage Archaeological Advisor to Islington Borough Council was also gratefully received.

Lawrence Pontin managed the project for Wessex Archaeology. Cornelius Barton, Gary Evans, Phil Frickers and Hilary Valler undertook the fieldwork. The finds were analysed by Lorraine Mepham (Finds Manager).

Gary Evans compiled the report and the illustrations were produced by Mark Roughley.

REPORT ON ARCHAEOLOGICAL WATCHING BRIEF

1 INTRODUCTION

1.1 Project Background

- 1.1.1 Wessex Archaeology (London) was commissioned by Carden and Godfrey on behalf of the Honourable Artillery Company (the Client) to undertake an archaeological watching brief on groundwork associated with the construction of a basement beneath the Albert Room at the Honourable Artillery Company, City Road, London Borough of Islington, EC1 2BQ (the Site) centred on NGR 532720 182188 (**Figure 1**).
- 1.1.2 This report sets out the results of the watching brief, which was carried out between 12th September 2005 and 17th May 2006.

1.2 Planning Background

- 1.2.1 The watching brief was undertaken on the request of English Heritage as a condition of planning permission for redevelopment of the Site. This stems from the fact that the Site lies within an Archaeological Priority Zone (APZ) as defined within the London Borough of Islington Unitary Development Plan, and partly as a result of archaeological works in the vicinity of the Site which recorded evidence of Romano-British, medieval and post-medieval activity.
- 1.2.2 A Written Scheme of Investigation (WSI) was prepared by Wessex Archaeology (Wessex Archaeology, 2005, ref 59020.01) detailing the objectives, methods and resourcing of the watching brief. This was approved by the English Heritage Archaeological Advisor to Islington Borough Council prior to the commencement of the project.

1.3 Site Location, Topography and Geology

- 1.3.1 The Site is rectangular in shape, covering c. 920m². It comprises the Armoury House, the headquarters of the Honourable Artillery Company, including the Albert Room to the north and the Sergeant's Cottage to the west. To the south, the Site fronts on to the large open space of the Honourable Artillery Company's Parade and Sports Ground. Whilst to the east, it is bordered by the Finsbury Barracks. To the west, the eastern wall of the recently built, Holmes Place Leisure Centre (formerly the site of a Vicarage) forms the Site's western boundary. The southern boundary wall of the Bunhill Fields forms the northern edge of the Site (**Figure 1**).
- 1.3.2 The Site's present topography is flat and the present ground surface on Site lies at c.18m (aOD). However, a marked slope can be seen leading up from

the Parade Ground in front of the Armoury Building to the Honourable Artillery Company's City Road entrance.

1.3.3 The drift geology underlying the Site consists of Holocene alluvial (Brick earth) deposits; these overlay river gravels, which in turn overlay deposits of London Clay (BGS, Sheet 256).

2 ARCHAEOLOGICAL BACKGROUND

2.1 Introduction

2.1.1 The Site lies some 600m north of the historic City of London in an area which has produced evidence of human activity dating from the Late Bronze Age through to the medieval and post-medieval periods.

2.2 Late Bronze Age / Early Iron Age (1100 - 400 BC)

2.2.1 A collection of struck flints, fire cracked stones and a number of sherds dating to the Late Bronze Age or Early Iron Age (1100-400 BC) represent the earliest evidence of human activity recorded in the vicinity of the Site. These finds were uncovered during the construction of the underground car park at the northern end of the Honourable Artillery Company's Sports Ground in the 1990s (Museum of London Site Code HAC 95) (Philp, 1996, 73-88).

2.3 Romano-British (AD 43 - 410)

- 2.3.1 The Site lies 600m to the north of the line of the late 2nd early 3rd century, Roman city wall. The construction of the Roman city wall appears to have seriously changed and possibly obstructed the natural drainage pattern of the area, particularly the course of the Walbrook River, leading to the creation of an area of marshy ground to the north of the wall, later called the Moorfields Marsh. There is evidence that the area frequently flooded in the 3rd century and that attempts to drain the area in the 4th century failed. The collecting area or natural spring line for the Walbrook stream lies immediately to the south of the Honourable Artillery Company's Sports Ground (MoLAS, 1994, 22).
- Excavations to the north of the Roman city wall have uncovered evidence of "large scale land consolidation" at Triton Grange, Bonhill Street (MoL Site Code BON 76) (Wessex Archaeology, 2002, 30) as well as a series of Roman cemeteries and quarries in the Moorgate/Finsbury Circus area (MoLAS, 2000, 164). How far this area of extra mural Roman cemeteries and quarrying extended is not known, but Roman activity has been identified close to the Site, including a series of quarrying pits at 2-14, Bunhill Row (MoL Site Code BNH88) uncovered at a depth of approximately 3m below the present ground surface. The stratigraphic position of the quarry pits, below thick clay layers, suggested that they pre-dated the build-up of marsh deposits which are thought to have developed in this area after the construction of the Roman city wall (DGLA, 1988). Similar quarry pits were uncovered to the south west of the Honourable Artillery Company grounds at

- 25-32, Chiswell Street (MoL Site Code CSU96 (Wessex Archaeology, 2002, 30).
- 2.3.3 Within the Honourable Artillery Ground itself, a small piece of a Roman *tegula* (roof tile) was found in a 17th century rubbish deposit uncovered during work on the underground car park (Philp, 1996). Another fragment of Roman *tegula*, dated to 2nd or early 3rd century AD, was found in a medieval quarry pit during work on the site of the former Vicarage, now Holmes Place Leisure Centre (MoL Site Code BRV98) (MoLAS, 2000).

2.4 Medieval (1066 - 1499)

- 2.4.1 The marshy land known as Moorfields Marsh, which is first mentioned in a charter of William I, defined the nature of the area throughout the medieval period. William FitzStephen describes the marsh in the 12th century as a place "where the youths of London engaged in winter sports when it froze over" (Clark, 1989).
- 2.4.2 Numerous attempts to drain the marsh were made in the medieval period, but references to youths taking part in winter sports (presumably skating) on the marsh when it froze in winter (Clark, *Ibid*) and to boats on the marsh in the 14th century show that this was not a permanent solution.
- 2.4.3 By the 14th century, the marsh or "fen" at Finsbury was leased out by the City of London, although it was recorded as being "a waste and unprofitable ground" (MoLAS, 1994, 25). In 1365, the Pelterers Guild decreed that leatherworkers should live and work in the Walbrook area to the north of the City, a move which probably led to an increase in efforts at land reclamation.
- 2.4.5 In 1415, drainage had advanced sufficiently for individual garden allotments on the moor to be let at a proper rent. A new entrance, the Moorgate, was built within the city wall by Lord Mayor Thomas Falconer to facilitate access to this land. A programme of ditch digging and cleaning, undertaken in 1477, led to much improved drainage in the area (Wessex Archaeology, 2002, 11).
- A number of the finds dated to the medieval period have been found in the vicinity of the Site, including several medieval quarry pits containing leather working waste at 25-32 Chiswell Street (Wessex Archaeology, 2002, 30) and a series of redeposited brick earth deposits containing fragments of medieval peg tile at 18-30 Leonard Street (MoL Site Code LNE00) (Wessex Archaeology, 2002, 30). Two large quarry pits containing preserved leather working waste, worked bone, antler and horn working waste have been found to the west of the Site in Bunhill Row (MoL Site Code BUW98) (Wessex Archaeology, 2002, 30).
- 2.4.7 Evidence for medieval activity has also been identified within the grounds of the Honourable Artillery Company itself, including 14th century pottery uncovered during an archaeological evaluation between Finsbury Barracks and Armoury House (MoL Site Code: TAC92) (MoLAS, 1992), and a series of 17 quarry pits cut into the underlying natural brick earth and gravels uncovered during work on the Vicarage/ Holmes Place Leisure Centre. These

- pits contained fragments of tiles dated to 1180-1480 as well as pottery from 1480-1550 (MoLAS, 2000).
- 2.4.8 A medieval buried soil and other deposits were found during the construction of the underground car park to the south east of the Site. These were observed at a depth of 1m to 1.50m below the present ground surface and were interpreted by their excavator as evidence of "medieval agricultural land" (Philp, 1996).

2.5 Post-Medieval / Modern (1500 to present)

- 2.5.1 During the early post-medieval period the area was essential open land and we know that in 1497, gardens and orchards to the north of Chiswell Street were cleared to make way for archery practice (MoLAS, 1994, 26).
- 2.5.2 The medieval manor house of Finsbury Court lay to the south of the present Sports Ground of the Honourable Artillery Company, and is depicted on the Copperplate Map of 1561 (not illustrated). Three large fields are shown to the north and east of the manor, these were later known as Finsbury, Mallow and Bunhill Fields.
- 2.5.3 The area was subject to flooding, which continued to be a problem for much of the period. In an attempt to alleviate this problem a programme of ditch digging was undertaken in 1512, when the City acquired the lease of Finsbury Manor from the Chancellor of St. Paul's. These ditches, which are recorded as having associated bridges, are probably those shown in the Copperplate map of 1551 (not illustrated). Further attempts were made to improve drainage in 1527, when the Lord Mayor of London, Sir Thomas Seymour banned the dumping of rubbish in the area and used a series of sluices to channel water into the Walbrook. This proved effective, and allowed reclamation of large areas of the moor during the 16th century. The materials used in this reclamation are recorded in Maitland's (1793) History of London as including more than a thousand cartloads of bones from the charnel house of St Paul's, which were dumped in an area known as Windmill Hill, and were covered in "dirt from the street" (Wessex Archaeology, 2002, 12).
- Archaeological investigations have provided evidence for the extent of Moorfields Marsh. At 2-14 Bunhill Row, some 200m to the south west of the Site, a 1m 2m thick clay deposit uncovered 1m below ground surface has been interpreted as evidence of the Moorfields Marsh itself. These were sealed by deposits of dark ash, sand and clay, thought to represent the infilling of the Marsh (DGLA, 1988). However, work undertaken at the Finsbury Barracks (MoLAS, 1992) and the former Vicarage (MoLAS, 2000) suggest that the Marsh did not extend as far north as the Site.
- 2.5.5 Further evidence of post-medieval activity in the vicinity comes from a number of sites. These include a series of levelling and/or dumping deposits and pits at 25–32 Chiswell Street, 19-23 Worship Street (MoL Site Code WOP88) and 11-23 City Road (MoL Site Code CIY98) and a 17th century brick lined soak away at 45 Tabernacle Street (MoL Site Code TNS00)

(Wessex Archaeology, 2002, 30-31).

- 2.5.6 Closer to the Site, a 0.25m-1m thick, black ashy soil deposit containing 17th century pottery, clay tobacco pipe, occasional pieces of metal, glass and building rubble was observed during work on the underground car park to the south east. This deposit was interpreted as domestic rubbish, perhaps mixed with industrial fire-debris. thought to represent infilling and levelling of that part of the Honourable Artillery Company grounds perhaps to prevent flooding in the late 17th century (Philp, 1996).
- 2.5.7 Immediately to the east of the Site, work at the Finsbury Barracks, identified the remains of a large refuse pit, a possible 16th century ice-house, a 17th century vaulted brick drain and occupation surfaces, which were all thought to date from the first 50-70 years of the Honourable Artillery Company's occupation of the Site (MoL Site Code TAC92) (MoLAS, 1994).
- 2.5.8 To the west, work on the site of the former Vicarage (MoLAS, 2000) uncovered evidence for 14 pits, interpreted as a result of quarrying. These were backfilled with refuse, and appeared to date to the period just, prior to the occupation of the Site by the Honourable Artillery Company. A series of metalled surfaces sealed some of these pits and were thought to date to the 16th or 17th century.
- 2.5.9 Evidence of iron working, possibly associated with the nearby Armoury, was uncovered during Wessex Archaeology's evaluation (Wessex Archaeology, 2004, ref. 57630.01) in the northwest corner of the Site. This comprised fragments of smelted iron slag and a fragment of a crucible. These were retrieved from the fill of an 18th-19th century cellar.
- 2.5.10 Wessex Archaeology's evaluation produced no evidence for human activity earlier than the 16th–17th centuries. A 2m thick sequence of late medieval / post-medieval "humic soils", "organic sandy silts" along with various pits, surfaces and "dump layers" was recorded. The top of this sequence was observed at 17.20m aOD and the base was at 15.10m aOD. These deposits produced quantities of post-medieval pottery, brick and tile.
- 2.5.11 Early maps of the Site show it as essentially rural and the area is shown on Agas' and on Braun and Hogenberg's maps of the area, in Elizabeth I's reign, as being covered with open fields bounded by ditches containing water, or by tracks. Other details shown include a fenced enclosure surrounding a number of practising archers, and three post-mills (Prockter and Taylor, 1979).
- 2.5.12 The Honourable Artillery Company was formed in 1537 by Henry VIII, (Weinreb & Hibbert, 1983). Their first training ground was situated to the west and southwest of the present Spitalfields market. In 1641 the Company was given the lease of "the uppermost field in Finsbury, next to the six windmills" (Goold Walker, 1986, 51). As part of this lease, the land was enclosed within a 15 foot high brick wall, and an armoury built shortly afterwards.
- 2.5.13 The Site is depicted, on Ogilby and Morgan's 1682 map (not illustrated), as

an open space, "The New Artillery Garden", separated by a wall from the "Church yard" of the present day Bunhill Fields then known as Tindal's burial ground (Hyde, 1992, 12-13). This was designated as a cemetery by the Corporation of London for use in the Great Plague, being enclosed by a brick wall and gates in 1665-6, although it appears that no plague victims were ever actually buried here. The ground quickly became the focus for the burial of dissenters, with nonconformists able to bury their dead without the use of the common prayer book due to the fact that no evidence could be found of the ground ever having been consecrated. The burial ground was closed in 1852, and is now a public open space.

- 2.5.14 The Site is still shown as open ground on John Rocque's 1747 map of "Ye Cities of London and Westminster and the Borough of Southwark" (not illustrated). On this map, a square building is shown in the centre of the Site, several buildings, of unknown use, are also shown up against the City Road, then called Royal Row. The northern edge of the Site is shown as garden plots divided by walls or fences with a wall separating them from the Burial Ground to the north (Hyde, 1981, 10-11).
- 2.5.15 By the beginning of the 19th century, the Site and the immediate area had been built upon. A number of buildings are shown covering the Site on Richard Horwood's 1799-1819 map of London (not illustrated). The former gardens between the Site and the Bunhills burial ground have disappeared and a row of houses, with small yards behind, are shown to the east of the Site (Laxton, 1985, 10-11).
- 2.5.16 The central section of Armoury House was completed in 1735, having been built to replace the 17th century Armoury that had been located in the northwest corner of the grounds. In 1802, a flag tower was added to the roof, while the east and west wings were added in 1828, both replacing smaller, older buildings. All three main blocks were built of brick with Portland Stone dressings.
- 2.5.17 In 1850, the Sergeant's Cottage was built against the west wing; this was completely replaced in 1901 by the existing Sergeant's Cottage. The Finsbury Barracks was constructed between the Site and City Road in 1857. The Albert Room was added to the north side of Armoury House in 1861 for use as a drill hall, and has been modified several times.
- 2.5.18 By the time the 1930 Municipal Map of London (not illustrated) was published, most of the buildings had taken their modern form, and these are shown unchanged on the World War II Bomb Damage maps. Recent major phases of work undertaken include the 1994/5 barrack building linking Finsbury Barracks and Armoury House to the east of the Site and the Holmes Place Fitness Centre in 2000 on the site of the former Vicarage.

3 AIMS AND OBJECTIVES

3.1.1 The overall aim of the watching brief was to establish and record, as far as reasonably possible, any archaeological remains which survived beneath the present ground surface, through the observation of ground works carried out

during the re development of the Site.

3.1.2 It also sought to characterise the nature, date, depth and state of preservation of any such features or deposits, and to retrieve where present, stratified assemblages of finds and ecofacts.

3.1.3 More specifically it was to:

- Elucidate the nature and form of any Romano-British activity on the Site, with particular attention to evidence of brick earth quarrying;
- Characterise the evidence, if present, of the former Moorfields Marsh;
- Record and establish the character of any remains of medieval and post medieval activity on Site;
- Determine if any parts of the Site lay within the former Bunhill Fields/Tindal's burial ground;
- Record and establish the location, extent, nature, date and significance of any structures and buildings associated with earlier phases of the Honourable Artillery Company on the Site. An archaeological evaluation of the Site by Wessex Archaeology in 2004, showed the remains of earlier structures (in this case a sub basement or cellar) beneath the present ground surface (Wessex Archaeology, 2004, 3-4);
- To characterise and record evidence of metal working activity associated with the deposits uncovered during Wessex Archaeology's evaluation on Site (Wessex Archaeology, 2004, 3-4).

4 PROJECT METHODS

4.1 Health and Safety

- 4.1.1 Health and Safety considerations were of paramount importance in conducting all fieldwork. Safe working practices overrode archaeological considerations at all times.
- 4.1.2 All work was carried out in accordance with the Health and Safety at Work Act 1974 and the Management of Health and Safety Regulations 1992 and all other relevant Health and Safety legislation, regulations and codes of practice in force at the time
- 4.1.3 Wessex Archaeology prepared a site specific Health and Safety Risk Assessment before the commencement of the fieldwork. This was reviewed as the project progressed.
- 4.1.4 As part of the Project Briefing, all staff were made aware of their responsibilities and site-specific hazards (identified under the Risk Assessment).

4.2 Methodological Standards

4.2.1 The evaluation and the preparation of this report was undertaken in

- accordance with the methodology set out in the WSI prepared by Wessex Archaeology (Wessex Archaeology, 2005), which was approved in advance by English Heritage.
- 4.2.2 Prior to the commencement of fieldwork, arrangements were be made with the Museum of London and subject to agreement with the landowner for deposition of the archive and finds, and a MoL Site Code was allotted (HNA 04).
- 4.2.3 All field work was undertaken and this report has been prepared in accordance with the guidance given in the Institute of Field Archaeologist's *Standard and Guidance for Archaeological Evaluation* (as amended 2001), *Standards and Practices in Archaeological Fieldwork in London* (GLAAS, 1998, Archaeological Guidance Paper 3). *Archaeological Reports.* (*Ibid.* Archaeological Guidance Paper 4), and *Evaluations* (*Ibid.* Archaeological Guidance Paper 5).

4.3 Fieldwork

- 4.3.1 The fieldwork strategy is described in detail in the WSI (Wessex Archaeology, 2005, 2-7) but in summary it involved, the monitoring of all ground works, including machine excavation, for underpinning and capping beams, bulk excavations, and reduce level dig across the entire Albert Room and the South Corridor (**Figure 2**) down to the underlying natural geology.
- 4.3.2 For the purpose of recording each of these interventions was given a Trench number (Trenches 1-39).
- 4.3.3 All trenches were given a unique numbering sequence, except where the features/layers were obviously the same in different sections.
- 4.3.4 Features and deposits were located on the ground from known points and features present on Ordnance Survey (OS) maps (e.g. boundaries or buildings).
- 4.3.5 All excavations were monitored and if appropriate halted to allow for closer inspection and recording to be carried out.
- 4.3.6 Spoil was visually scanned for finds.
- 4.3.7 All exposed archaeological deposits and features were recorded utilising Wessex Archaeology's standardised context recording system.
- 4.3.8 A photographic and drawing record of all excavated archaeological features and deposits was compiled. This included both scaled photographic records along with plans and sections, drawn to appropriate scales (1:20 or 1:50 for plans, 1:10 or 1:20 for sections).
- 4.3.9 The heights of all principal features and deposits were calculated in metres above Ordnance Datum (aOD); plans/sections were annotated with OD heights. All heights in the text refer to the top of each deposit.

4.4 Finds Collection and Retention

- 4.4.1 All collected finds were treated in accordance with the principles and practices set out by the Society of Museum Archaeologists (1993), Medieval Pottery Research Group (2001) and the Institute of Field *Archaeologists' Standards and Guidance for Archaeological Field Evaluations* (2001).
- 4.4.2 Where features or deposits were clearly modern, finds were examined, noted and discarded.

5 RESULTS

5.1 Character of Sequence and Site Stratigraphy

- 5.1.1 A summary of the results of the watching brief are presented below, a more detailed context description is contained in **Appendix 1: Trench Summary Tables.** Fully cross-referenced site records are contained in the site archive.
- 5.1.2 Contexts representing the deposition, re-deposition or re-working of material, signifying use/disuse are enclosed in round parentheses i.e. (00). Those representing the actions of construction, reconstruction or truncation are enclosed in square brackets i.e. [00].
- 5.1.3 The illustrated sections within this report have been selected as representative sections as completely as possible with almost continuous sections shown along the E-W axis of the Site (**Figure 3**).
- 5.1.4 The stratigraphic sequence recorded during the watching brief reaffirms the development history of the Site postulated in the evaluation (Wessex Archaeology, 2004) and the desk-based Conservation Plan (Wessex Archaeology, 2002) and is broadly similar to the sequence recorded in archaeological works carried out in the area, notably to the west of the Site (Museum of London Archaeology Service (MoLAS), 2000).
- 5.1.5 In summary, the watching brief phased sequence can be broadly characterised as representing, from earliest to latest:
 - Late medieval quarrying;
 - Post-medieval dumping, levelling, pitting and deposit reworking;
 - Continuation of dumping and deposit reworking through pitting until the construction of the Albert Room and associated outbuildings in the mid 19th century;
 - Construction, use, demolition and later robbing of a 19th century cellar, and construction of a brick lined cess pit and drains and culverts;
 - Construction and demolition of 20th century outbuildings including a brick shower block.

5.2 Natural Geology

- 5.2.1 Deposits comprising orange yellow coarse sandy and clayey gravels (118) were the earliest deposits recorded across the Site. The height of the top of these natural geological deposits ranged from 15.60m aOD at the eastern end of the Site to 15.40m aOD at the Site's western edge. The base of these deposits was not reached at 12.80m aOD (Figure 3, Plates 2-3).
- 5.2.2 This deposit was partly overlain by a deposit of *in situ* brick earth (106). This was only present in the north eastern corner of the Site. This light orange brown clayey silt, which was up to 0.60m thick, was observed to slope up towards the east (from 16.00m aOD to 16.30m aOD). *In situ* deposits of brick earth were not present over the remainder of the Site, although small pockets of redeposited brick earth were observed throughout the Site. The lack of brick earth over most of the Site is almost certainly due to quarrying (Figure 3, Plates 2-3).

5.3 Romano-British Period (AD 43 – 410)

5.3.1 Evidence for this period comprised three sherds of Roman pottery. These include a sherd of late 1st – early 2nd century *mortaria* from quarry pit [207] which also contained pottery dating to the late 16th - early 17th century. A single sherd of late 1st – early 2nd century Roman white ware pottery from the *Verulanium* area (St. Albans) was also uncovered from a post-medieval deposit (393) and sherd of Roman grey ware was found in quarry pit [384] (Figure 3). All of these finds occurred in association with later artifacts, mostly post-medieval in date, and are residual finds incorporated into later contexts.

5.4 Medieval Period (1066 – 1499)

5.4.1 Assigned to this period were a number of quarry pits [274] [135] [264] [314] [219] [384]. These were found to extend from the west of the Site with a higher density of pits towards the western and southern edge of the Site. Most were rectangular in plan with rounded corners, vertical sides and flat based. They ranged in size from 4.00 m x 2.00 m to 1.00 m x 0.60m and were up to 1.20m in depth. All the pits were cut into the underlying brick earth and gravel deposits of the natural geology. After their abandonment, the pits appear to have been left open for some time and been allowed to silt up. The lowest fill of the majority of the pits comprised homogenous, well sorted, light brown clay silt (259) (276) (323) (487) (281). These deposits, which appeared to have been a result of silting, contained occasional flecks of charcoal and small fragments of medieval red roof tile. Several of these features contained thin deposits of redeposited natural gravels (261) (479) (185) which sealed the lower primary fills. Most of these pits then appear to have been used as rubbish pits. The upper fills of these pits were mostly dark grey ashy silts, contained fragments of tile, red brick, as well as small fragments of animal bone and oyster shell. Pottery recovered from these deposits has been dated to the 16th-17th centuries (**Figure 3, Plates 2-3**).

5.5 Post-Medieval Period (1500 - 1799)

- 5.5.1 The post-medieval archaeological sequence on the Site was characterised by a series of dumps and levelling deposits as well as a series of backfilled rubbish pits [152] [312] [110] [132] (Figure 3). Many of these deposits appeared to have undergone a considerable amount of later reworking after being deposited. The dumps and levelling layers appear to have been brought to the Site from elsewhere and there was no evidence of a build up of agricultural or garden soils. Most of these deposits contained large quantities of ashes, and burnt and unburnt coal fragments and were almost certainly derived from the raking out of domestic fires or from a mixture of rake out, domestic refuse and night soil. Other deposits included layers of demolition and builder's rubble. The relative paucity of artefacts such as animal bones or pottery in most of these deposits suggest that the majority had been 'worked over', possibly before arriving on Site and any usable items, such as animal bones or unburned coal was salvaged. Most of the pottery from these dumping deposits dates from the 16th - 17th centuries, the period prior to and during the establishment of the Honourable Artillery Company's grounds in the 1640's.
- 5.5.2 At the western end of the Site several deposits derived from iron working (227) (145) were uncovered. These contained substantial quantities of iron slag and a fragment of a ceramic crucible, no evidence of a source for these deposits was found.

5.6 Modern Period (1800 - present)

- 5.6.1 This phase in the archaeological sequence was characterised by the continuation of dumping and deposit reworking through pitting until the construction of the Albert Room and associated outbuildings in the mid 19th century.
- 5.6.2 The remains of two north-south running brick walls (147) and (143) 0.20-0.40m wide x 1.20m long surviving to a height of 0.60m, were observed mid way along the northern edge of Site, these probably represent the remains of a brick lined cess pit (Figure 4, Plate 1).
- 5.6.3 The remains of a 0.40m wide red brick wall [325] was observed running north-south at the northern edge of the Site. This wall was seen to lie relatively high up in the stratagraphic sequence and would appear to date to a late phase of the Site (**Figure 3**).
- 5.6.4 The remains of a rectangular brick built structure [282/283/285] were observed to the west of Wessex Archaeology's evaluation trench (Wessex Archaeology, 2004, 3). This structure measured 4.50m x 2.80m in plan and was associated with a north-south 8m long brick wall. These structures were almost certainly the remains of a 19th century outbuilding and 20th century shower block (**Figure 4, Plate 1**).
- 5.6.5 A brick lined barrel vaulted culvert 0.40m wide and 0.30m high [330] [329] was recorded running east-west along the external northern wall of the

- Armoury Building for c.10m before turning southwards to run beneath the Sergeant's Cottage.
- A brick and tile lined drain or culvert [88] [38] 0.40m wide and 0.30m high was uncovered to the east of the barrel vaulted culvert. This feature ran parallel to the north wall of the Armoury Building some 0.30m from the outer face of the building.
- 5.6.7 The remains of a post-medieval brick built internal well [34] were observed built into the outer northern wall of the Armoury Building.
- The watching brief also uncovered evidence throughout the Site of various 20th century services, sewer trenches and water mains.

6 FINDS

6.1 Introduction

- 6.1.1 Finds were recovered from 15 of the trenches excavated. The majority of the assemblage is post-medieval, with a relatively restricted date range (16th/17th century); there are small quantities of Romano-British, medieval and modern material.
- All finds have been quantified by material type within each context, and this information is summarised by trench in **Table 1**. All data are held on the project database (Access). As part of this assessment phase, all material has been at least visually scanned in order to ascertain its nature and potential date range. Spot dates have been recorded for pottery.

6.2 Pottery

6.2.1 Pottery was the most common material type encountered on the Site. It has been used to provide dating evidence for the stratigraphic sequence, bearing in mind the likelihood of re-deposition. **Table 2** presents a breakdown of the assemblage by ware type. There are a handful of sherds of Romano-British and medieval date, but the majority of the assemblage is post-medieval.

Romano-British

6.2.2 The three Romano-British sherds were found in three separate contexts (layer (200), quarry pit [484], layer (393). The imported *mortarium* is worn, but probably largely as a result of use wear rather than post-depositional abrasion; the other two sherds are in relatively fresh condition. All however, occurred as residual finds in later contexts.

Medieval

6.2.3 The single sherd of Coarse Border Ware was found in layer (116), almost certainly residually. Tudor Green ware came from four contexts Trench 3, layer (13); Trench 19, pit [178] Trench 21, layer (202); Trench 25, quarry pit [219]. In all, but layer (13), it appears to be residual in later 16th or 17th

century contexts.

Post-Medieval

- Post-medieval pottery is generally in good condition, with little evidence for post-depositional abrasion or burning, etc. The assemblage is dominated by coarse earthenwares; either redwares (which include the white slip-coated wares [PMSR] and probably also Red Border ware [RBOR]) or white Border wares. Vessel forms appear to be somewhat limited in range pipkins, flanged dishes, porringers, chafing dishes, with one candlestick, i.e. almost exclusively food preparation and serving. Vessels for serving and consuming drink were supplied by the black-glazed redwares, and by the stonewares (largely of *Frechen* type, with two sherds of *Westerwald*, and only one tentatively identified London product). Only one chamber pot was identified (*Westerwald* stoneware), and only one storage jar (coarse redware).
- 6.2.5 Tin glazed wares are found in dish/bowl and *albarello* forms; two are Italian imports and two late 16th/early 17th century vessels (one bowl with a chequer design and one with a central rosette motif) could be from the Netherlands (see Britton 1986, 102, nos. 15, 16). Decoration on other sherds confirms a fairly restricted date range of late 16th to mid 17th century; there is only one monochrome white vessel [TGW C], of later 17th /18th century date (Trench 37, layer (367). There is also one polychrome floor tile (Trench 32, layer (302).
- 6.2.6 Pit [152] (Trench 12) produced three regional or continental wares: Midlands purple ware, a Spanish olive jar, and *Werra* slipware; while layer (303) and quarry pit [305] (Trench 32) yielded a second olive jar (internally green glazed) and a Midlands purple ware 'butter pot'. A *Martincamp* flask (MART 3) came from quarry pit [266] (Trench 20).
- 6.2.7 Of interest are two fragments of thick-walled, cylindrical, flat-based saggar from layer (106) (Trench 12). These are heavily burnt and sintered. The use of saggars dates back to the later 15th century, when they were introduced into the process of pottery production, acting as protective containers for fine glazed wares during kiln firing, but they became ubiquitous from the early 18th century with the introduction of biscuit and glost firings in the manufacture of fine earthenwares. Saggars such as these were used, for example, in the London delftware kilns of the 17th and early 18th century (e.g. Bloice 1971, fig. 52). Their presence here does not necessarily indicate pottery manufacture in the vicinity of the Site as these vessels (and other forms of pottery production waste) is frequently redeposited away from its original point of discard.
- 6.2.8 The majority of the post-medieval assemblage can be seen to fall into a relatively restricted date range 16th /17th century. There is very little which can be definitively dated later than this, some plain white tin glazed ware from layer (367) (Trench 37), and creamware and bone china from cut [132] (Trench 12).

6.3 Clay Pipes

6.3.1 Additional chronological information is provided by the clay tobacco pipes. Four bowls were recovered, all dating to c.1580-1610 (Trench 20, quarry pit [198]; Trench 35, layer (360); Trench 37, layer (374).

6.4 Glass

6.4.1 The bases of three glass vessels were recovered, from two contexts in Trench 32 (layer (299), quarry pit [305]). All are pedestal bases, and in each case the base/body junction is so regular as to appear deliberately trimmed off. Two are probably from pedestal beakers, one from a vessel with optic-blown vertical ribs (Willmott 2001, type 4.2, fig. 29), and the third possibly from a pedestal bowl (*ibid*, type 27, fig. 120). All three would fall within a date range of 16th or early 17th century.

6.5 Other Finds

6.5.1 Other finds comprise a small amount of animal bone (cattle, sheep/goat, and cat); ceramic building material (one drainpipe, the remainder roof tiles, probably medieval); metalworking slag; a possible vessel rim in copper alloy; an iron nail; and a perforated slate whetstone.

Table 1: All finds by material type and by trench (number / weight in grammes)

C = copper alloy; Fe = iron; RB = Romano-British

	Animal		Clay	RB	Med.	P-Med.	Other Finds
Trench	Bone	CBM	Pipe	Pottery	Pottery	Pottery	
1			2/3			1/1	1 Fe
3	5/59		1/2		1/4		
12		2/42				47/2414	780g slag
13					1/4	6/211	
15						2/21	
16						1/30	
17		6/247				4/83	1 Cu
18		3/273		1/273	2/86	20/929	
20	1/3		1/13			28/1610	
21					1/26	3/116	
22						1/72	
25		3/117	1/7	1/18	5/52	27/1895	
32	1/18	2/98				48/2887	3 vessel glass
35			2/17			2/110	
39		3/137		1/229		4/1339	
0							1 stone object
TOTAL	7/80	19/914	7/42	3/520	10/172	194/11,718	

Table 2: Pottery totals by ware type

Fabric	Ware	Date Range	No. sherds	Weight (g)
Code			1 (o. sherus	0 101
NFSE	NW French mortarium	50-160	1	273
SAND	Miscellaneous greyware	50-400	1	18
VRW	Verulamium region whiteware	50-160	1	229
	sub-total Romano-British		3	520
CBW	Coarse Border Ware	1270-1500	1	4
TUDG	Tudor Green ware	1380-1500	9	168
	sub-total medieval		10	172
BONE	Bone china	1794-1900+	3	13
BORD	Border Ware	1550-1700	4	189
BORDB	Brown-glazed Border Ware	1620-1700	2	149
BORDG	Green-glazed Border Ware	1550-1700	28	1668
BORDY	Yellow-glazed Border Ware	1550-1700	18	966
CREA	Creamware	1740-1880	1	5
FREC	Frechen stoneware	1550-1700	28	2245
INDV	Miscellaneous industrial vessels	1500-1900+	2	656
ITG	Italian tin glazed ware	1480-1800	1	15
LONS	London stoneware	1670-1900+	1	38
MART	Martincamp flask	1480-1650	1	39
MLTG	Montelupo tin glazed ware	1500-1700	2	36
MPUR	Midlands purple ware	1480-1750	6	313
OLIV	Spanish olive jars	1550-1750	4	558
PMBL	Post-med black glazed ware	1580-1700	25	973
PMR	Post-medieval redware	1580-1900+	37	2284
PMSR	Post-med slip coated redware	1480-1650	9	783
RBOR	Red Border Ware	1580-1800	1	66
TGW	English tin glazed ware	1570-1800	16	551
TGW C	Tin glaze (Orton C: plain white)	1630-1800	2	87
WERR	Werra slipware	1580-1650	1	6
WEST	Westerwald type stoneware	1590-1800	2	78
	sub-total post-medieval		194	11,718
	OVERALL TOTAL		207	12,410

7 CONCLUSION AND RECOMMENDATIONS

- 7.1.1 The stratigraphic sequence recorded during the watching brief reaffirms the development history of the Site postulated in the evaluation (Wessex Archaeology, 2004) and the desk based conservation plan (Wessex Archaeology, 2002) and is broadly similar to the sequence recorded in archaeological works carried out in the area, notably to the west of the Site (MoLAS, 2000).
- 7.1.2 No marsh deposits were observed during the watching brief and the Moorfields Marsh does not appear to have extended this far north.
- 7.1.3 The earliest evidence of human activity on Site comprised three sherds of residual Roman pottery which were found in later contexts.
- 7.1.4 A series of rectangular quarry pits was uncovered cut into the underlying brick earth and gravel deposits of the natural geology. The finds, roof tile fragments and one sherd of medieval Tudor green ware, from the initial silting up of these features have given a probable medieval date for their abandonment. These pits were subsequently reused as rubbish pits and contained pottery dating to the 16th 17th centuries.
- 7.1.5 Post-medieval activity on Site dating from the 16th and 17th centuries was characterised by a series of dumps and levelling deposits and the reworking of earlier deposits through pit digging. Most of these deposits contained large quantities of ash and coal fragments and were almost certainly derived from the raking out of domestic fires or from a mixture of rake out and night soil. Other deposits included layers of demolition and builders rubble. The relative paucity of finds such as animal bones or pottery suggests that most of the deposits had been "worked over" possibly before they arrived on Site. The majority of the pottery found on Site came from coarse earthern ware vessels, mostly associated with food preparation and serving. The fact that a number of sherds came from imported foreign vessels would perhaps indicate that at least some of the deposits came from relatively well off establishments.
- 7.1.6 Aside from several layers containing quantities of iron slag at the western end of the Site, no traces of activity or any structures associated with iron working were observed during the watching brief.
- 7.1.7 No human remains, either articulated or disarticulated, were observed during the watching brief and it would appear that the former burial ground at Bunhill Fields did not extend on to the Site.
- 7.1.8 The watching brief found very few structural remains. Those observed included the remains of a rectangular brick structure and associated east-west brick wall uncovered to the west of Wessex Archaeology's earlier evaluation trench. The remains of two north-south brick walls were observed mid way along the northern edge of Site and which probably represent the remains of a 19th century brick lined cess pit. A brick lined drain and a brick barrel vaulted culvert were recorded running east-west along the northern wall of

the Armoury Building. The barrel vaulted culvert then turned southwards to run beneath the Sergeant's Cottage. All of these remains were observed to lie late in the Site's stratigraphic sequence and they almost certainly belong to phases of the Honourable Artillery Company's occupation of the Site.

- 7.1.9 *In situ* brick earth deposits were only present in the north eastern corner of the Site. This light orange brown clayey silt, which was up to 0.60m thick, was observed to slope up towards the east (from 16.00m aOD to 16.30m aOD). *In situ* deposits of brick earth were not present over the remainder of the Site, although small pockets of redeposited brick earth were observed through out the Site. The lack of brick earth over most of the Site is probably due to its removal by quarrying.
- 7.1.10 Natural geological deposits comprising orange yellow coarse sandy and clayey gravels were recorded across the entire Site. The height of the top of these deposit ranged from 15.60m aOD at the eastern end of the Site to 15.40m aOD at the Site's western edge. The base of this deposit was not reached.
- 7.1.11 In light of these results, Wessex Archaeology propose to deposit a copy of the report with the Greater London Archaeology Advisory Service (GLAAS) and the London Borough of Newham, as a means to discharge the archaeological condition attached to the planning proposal for development of the Site. In due course, a short summary of the watching brief results will be included in the annual excavation round up within *London Archaeologist*.

8 ARCHIVE

8.1.1 The project archive is currently held at the offices of Wessex Archaeology in London, under the site code reference 61090 (**HNA04**). In due course it will be deposited at the Museum of London.

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APPENDIX 1: TRENCH SUMMARY TABLES 10

All (+) indicate deposits/ features not fully excavated

Trench 1			
Context	Context Description	Type	Depth (aOD) (+/- 50mm)
01	Wooden floor joist	Construction	17.90m
02	Concrete floor	Construction	17.80m
03	Wooden plank	Construction	17.74m
90	Dark grey sandy silt, frequent mortar, plaster fragments, occasional pebbles, organic fragments and moderate roof tile	Deposit	17.70m
	frags		
05	Very dark brown grey silt, rare CBM, roofing slate, porcelain fragments	Deposit	17.60m
90	Mid grey ashy silt, mortar flecks	Deposit	17.55m
0.2	Very dark brown grey silt, rare brick fragments, mortar	Deposit	17.50m
80	Mid brown grey sandy silt, frequent CBM, mortar fragments, moderate pebbles, plaster fragments	Deposit	17.40m
10	White mortar fragments in a loose grey silt matrix, moderate small CBM fragments	Deposit	17.20m

Trench 2

Context	Description	Type	Height aOD (+/- 50mm)
60	Dark grey sandy silt, CBM, frequent pebbles	Deposit	18.00m

Trench 3

I renen 3			
Context	Description	Type	Height aOD (+/- 50mm)
11	Mid reddish brown silty clay, frequent medium rounded pebbles, fragments red brick, concrete	Deposit	17.00m
12	Mid orange, silty clay, moderate small medium rounded pebbles, fragments of concrete and red brick	Deposit	16.95m
13	Mid grey brown, silty clay, moderate small medium rounded pebbles, fragments of concrete and red brick	Deposit	16.60m

Context	Context Description	Type	Height aOD (+/- 50mm)
14	Dark brown, silty clay, moderate small medium rounded pebbles	Deposit	17.00m
15	Foundation for wall (16), vertical sided, flat base, filled with (14) (17)	Cut	Top-17.00m Base-16.24m
16	Wall of Armoury House, red brick and mortar	Construction	Top-18.00m Base-17.00m
17	Backfill foundation trench for wall, brick, concrete, roofing slate fragments	Deposit	Top-17.00m Base-16.40m
18	Dark brown silty clay, very occasional small medium rounded pebbles	Deposit	17.00m

19	Mid orange brown sandy clay, occasional small medium rounded pebbles and fragments of red brick	Deposit	16.70m
20	Mid orange sandy clay, frequent small medium rounded pebbles	Deposit	16.48m
21	Mid orange brown, sandy clay, occasional fragments oyster shell	Deposit	16.24m
22	Dark brow silty clay, fragments small red brick	Deposit	16.52m

Trench 5

r renen 3			
Context	Context Description	Type	Height aOD (+/- 50mm)
23	Mid greyish brown silty clay, moderate small-medium rounded pebbles, very occasional brick	Deposit	17.00m
24	Mid grey, silty clay, frequent small medium rounded pebbles	Deposit	16.60m
25	Pit, east 45° slope, vertical west, concave base, filled with (24)	Cut	Top-16.60m Base-16.20m
26	Mid orange sandy clay, occasional small medium rounded pebbles, fragments brick	Deposit	16.70m
27	Natural Geology, Mid orange sandy gravel	Deposit	15.50m (+)

Trench 6

Context	Context Description	Type	Height aOD (+/- 50mm)
28	Wall, red brick and soft white mortar	Construction	Top-18.00m Base- 16.60m
29	Concrete footing for wall	Construction	16.60m
30	Foundation trench for wall (28), vertical sides, base not reached, filled with (29)	Cut	Top-18.00m Base- 16.60m+
31	Mid grey gravel silty clay, occasional fragments CBM	Deposit	17.00m
32	Mid grey silty clay, fragments oyster shell, occasional CBM fragments	Deposit	16.56m

Trellell /			
Context	Context Description	Type	Height aOD (+/- 50mm)
43	Wall, red brick and mortar	Construction	Top-18.00m Base-17.00m
44	Rubble	Deposit	18.00m
45	Foundation trench of wall (43), vertical sides, flat base, filled with (44)	Cut	Top-18.00m Base-1700m
46	Modern Pile, concrete	Construction	18.00m
47	Modern Pile	Cut	18.00m
48	Dark brown grey silty clay, occasional fragments red brick	Deposit	18.00m
49	Orange brown silty clay, re-deposited brick earth	Deposit	17.20m
20	Mid grey silty clay, frequent fragments red brick, tile	Deposit	17.10m
51	Natural Geology. Dirty mid orange brown clay	Deposit	17.10m

Trench 8			
Context	Context Description	Type	Height aOD (+/- 50mm)
52	Wall brick and concrete footings	uction	Top-18.00m Base-17.40m
53	Foundation trench for wall (52) vertical sides, flat base	Cut	Top-18.00m Base-17.40m
54	Mid grey silty clay, medium rounded pebbles, fragments red brick and tile		18.10m
55	Mid orange brown silty clay, fragments CBM	Deposit	17.60m
99	Mid grey silty clay, fragments oyster shell, animal bones, small pebbles	Deposit	17.50m
57	Mid orange clayey silt and gravel	Deposit	17.40m
28	Mid orange silty clay. CBM	Deposit	17.20m

Trench 9			
Context	Context Description	Type	Height aOD (+/- 50mm)
59	Concrete slab	Construction	17.00m
09	Brick rubble backfill of foundation trench	Deposit	16.60m
61	Brick and concrete wall footings	Construction	16.20m
62	Foundation trench, vertical sides, flat base, filled with (59) (60) (61)	Cut	Top-17.00m Base-15.70m
63	Mid grey silty clay and CBM	Deposit	16.34m
64	Mid orange silty clay	Deposit	16.30m
9	Mid grey silty clay and CBM fragments	Deposit	16.20m
99	Mid orange silty clay and small CBM fragments	Deposit	15.20m
29	Natural Geology orange gravel and sandy clay, small - medium rounded flint pebbles	Deposit	$15.10 \mathrm{m} (+)$

I rench 10	0		
Context	Context Description	Type/	Height aOD (+/- 50mm)
89	Concrete Foundations	uction	17.00m
69	Mid brown sandy clay, frequent red brick fragments	Deposit	16.70m
70	Rubble backfill, fragments brick and concrete	Deposit	16.40m
71	Foundation trench, vertical sides, flat base, filled with (68) (69) (70)	Cut	Top-17.00m Base-16.70m
72	Wall, brick and mortar	Construction	18.00m
73	Dark brown sandy silty clay, small brick fragments	Deposit	16.80m
74	Dark reddish brown peaty woody material	Deposit	15.40m
75	Dark brown sandy silty clay, small fragments chalk	Deposit	15.40m
92	Yellow with frequent flecks white, silty clay, frequent chalk fragments	Deposit	15.30m
77	Mid yellow brown dirty sandy clay	Deposit	15.20m

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TICHCH II			
Context	Context Description	Type	Height aOD (+/- 50mm)
84	Wall red brick and mortar	Construction	18.00m
85	Concrete service pipe	Construction	17.00m
98	Mid grey silty clay, frequent fragments brick, tile	Deposit	16.50m
87	Mid grey silty clay, frequent fragments red brick	Deposit	16.40m
88	Cut of drain, vertical sides, and flat base. Filled with (89)	Cut	Top-16.30m Base-15.90m
68	Drain, red brick lined, flat base, flat roof and vertical sides	Construction	Top-16.30m Base-15.90m
06	Dark grey silty clay, occasional fragments brick	Deposit	16.50m
91	Mid grey brown silty clay, frequent fragments, red brick, tile	Deposit	15.50m
92	Mid brown silty clay, frequent fragments brick, tile	Deposit	15.20m
93	Dirty orange brown sandy clay gravel, redeposited natural	Deposit	15.00m

Trench 12

Context	Description	Type	Height aOD (+/- 50mm)
106	Mid orange brown clay silt, occasional sub rounded pebbles at base of deposit	Deposit	16.30m
107	Dark grey loose ashy silt, very frequent small fragments coal, frequent small sub angular pebbles, fragments light yellow grey mortar, white plaster, occasional small fragments red brick	Deposit	15.60m
108	Very dark grey with dark brown rust coloured mottling and flecks of red, a loose ashy charcoal rich silt, frequent small fragments red brick, tile, animal bone, oyster shell fragments, and thin lens of iron slag and clinker	Deposit	15.50m
109	Dark grey loose charcoal rich ashy sandy silt, frequent animal bones, occasional fragments pottery, large fragments red roof tile	Deposit	15.30m
110	Circular pit, possible quarry, 45° sloping side on west, vertical on east, flat base, filled with (109) (108) (107) (153) (138) (139) (137) (136)	Cut	Top-15.60m Base-15.10m
118	Natural Geology. Mid yellowish brown compact coarse sandy gravel 30/70, small –medium sub angular–well rounded flint pebbles	Deposit	14.20m (+)
120	Redeposited brickearth, light brown clayey silt, occasional animal bones charcoal flecks, pottery, CBM (tile)	Deposit	15.30m
131	Dark grey with greenish mottles ashy clayey silt, frequent small fragments oyster shell	Deposit	15.40m
132	Concave base, almost vertical sides, filled with (131)	Cut	Top-15.40m Base-14.80
133	Dark grey coarse sandy ashy silt, very frequent oyster shell, frequent small –large animal bones, small fragments unburned coal, small –medium fragments red brick, mortar, thin lens of redeposited clay	Deposit	16.10m
134	Light brownish grey silty clay, very frequent small fragments chalk, red roof tile	Deposit	16.40m
135	Ouarry pit, vertical sided, flat base, filled with (134) (273)	Cut	Top-16.10m Base-15.30

136	Dark grey brown ashy silt frequent oyster fragments, occasional thin lens of orange brown iron rich deposits which slope	Deposit	16.40m
	down from east to west		
137	Light brown grey silty clay redeposited brick earth, frequent charcoal flecks, small fragments coal, occasional oyster fragments	Deposit	16.00m
138	Light grey, patches of light brown, coarse sandy mortar, frequent small fragments red brick	Deposit	15.80m
139	Dark grey ashy silt, occasional oyster shell fragments	Deposit	15.80m
140	Mid grey green brown, loose sandy clay silt frequent medium fragments red brick	Deposit	15.80m
141	Foundation trench, vertical sided, flat base, filled with (142) (140) (143)	Cut	Top- 16.20m Base-15.40m
142	Dark grey loose ashy silt, frequent small fragments red brick, oyster shell, animal bone	Deposit	16.20m
143	Wall red brick and grey lime mortar	Construction	Top-16.40m Base-15.80m
144	Modern concrete	Construction	16.40m
146	Dark brownish grey loose mixed ashy silt and redeposited light brown brick earth, frequent flecks charcoal	Deposit	15.70m
147	Wall, unfrogged red brick and soft greyish white coarse sandy lime mortar frequent white and charcoal flecks	Construction	Top-16.30m Base-15.70m
148	Mid grey brown charcoal flecked brick earth, occasional small fragments animal bone	Deposit	15.90m
149	Dark grey ashy silt, frequent small-medium oyster shell fragments, moderate-small fragments animal bones, very	Deposit	15.70m
	occasional red brick fragments		
150	Light greyish brown, redeposited brick earth, clayey silt, moderate flecks charcoal, occasional small sub angular pebbles	Deposit	15.90m
151	Dark grey, loose ashy silt, lens of iron and grey silt, frequent small flecks chalk, plaster, animal bone, CBM	Deposit	16.00m
152	Pit, rectangular, rounded corners, vertical sides, flat base, filled with (151) (254) (253) (175) (251) (252) (248) (258)	Cut	Top-16.00m Base13.40m
153	Dark grey ashy silt, occasional animal bones, small fragments oyster	Deposit	15.80m
154	Pit, vertical sided, flat base	Cut	Top- 15.90m Base-15.40m
155	Foundation trench for wall (147), vertical sides flat base, filled with (146) (148)	Cut	Top- 15.90m Base-15.40m
156	Dark brown mixed clayey gravel, sub angular well rounded medium pebbles	Deposit	15.30m
175	Mid light grey brown clay silt, frequent sub rounded flint pebbles occasional charcoal flecks	Deposit	14.10m
181	Light grey black, loose very frequent chalk fragments, charcoal, occasional small brick	Deposit	16.40m
182	Dark grey black ash and coal small fragments	Deposit	16.40m
183	Mid grey, clay silt, frequent fragments chalk, red brick, tile	Deposit	16.20m
184	Dark grey black ash and coal small fragments, occasional burnt flint fragments	Deposit	16.00m
185	Mid orange brown, clayey gravel redeposited Natural, frequent small -medium sub angular- sub rounded flint pebbles,	Deposit	16.00m
	occasional small fragments CBM (tile)		
219	Quarry pit filled with (326) (327) (246) (308) (267)	Cut	Top-15.40m Base-14.50m
246	Mid-dark brown grey clay silt, lens of dark grey ashy silt	Deposit	15.40m
248	Dark grey black, coarse ashy silt, frequent small fragments burned coal, moderate large fragments oyster shell, occasional small fragments animal bone, red brick, occasional thin lens dark orange brown iron	Deposit	15.00m

249	Light grey coarse sandy mortar rich silt, frequent charcoal flecks, occasional small animal bones, large fragments white	Deposit	15.20m
	plaster		
251	Mid grey brown clay silt	Deposit	15.60m
252	Mid orange brown sandy gravel, 80% sub angular well rounded	Deposit	15.20m
253	Mid –light grey brown sandy silty clay, frequent small charcoal flecks, small fragments oyster, small sub rounded well rounded pebbles	Deposit	15.80m
254	Light grey white red, loose mortar and yellowish white plaster, occasional large fragments red bricks	Deposit	16.00m
255	Mid brown coarse clayey gravel, frequent sub rounded well rounded medium pebbles, charcoal flecks	Deposit	16.40m
256	Light grey clay silt, frequent medium fragments chalk, sub rounded well rounded pebbles, occasional small fragments red brick red roof tile	Deposit	15.60m
257	Mid brown grey clayey silt, occasional large fragments, oyster shell	Deposit	15.30m
258	Light grey brown clayey silt 10% brown mottling	Deposit	14.40m
259	Mid orange brown clayey silt, occasional small sub rounded pebbles	Deposit	14.40m
260	Light grey white red, loose mortar and yellowish white plaster, occasional large fragments red bricks	Deposit	15.80m
261	Dark brown orange clayey gravel 80%, medium sub rounded- sub angular pebbles	Deposit	15.30m
262	Light brownish grey clayey silt, occasional small flecks charcoal, rare CBM	Deposit	14.80m
263	Dark grey black ashy silt, very freq and coal small fragments	Deposit	16.40m
264	Quarry pit, rectangular rounded corner, vertical sides, flat base filed with (259) (249) (257) (261)	Cut	Top-15.30m Base-14.20m
267	Mid grey brown coarse sandy gravel rich silt frequent oyster shell and red roof tile fragments	Deposit	15.75m
768	Light mid brown orange 10% dark orange mottles, clay silt, occasional small fragments red tile, occasional sub rounded	Deposit	15.40m
	angular pebbles		
569	Brick earth, light brown clayey silt, occasional small sub rounded pebbles	Deposit	16.30m
270	Light yellowish grey, clayey sandy, occasional small - medium sub -rounded pebbles	Deposit	15.60m
271	Light grey loose rubble rich silt, frequent large- medium fragments red brick, chalk, white plaster	Deposit	16.10m
272	Shallow depression /pit, concave base, gradual sloping sides, filed with (271)	Cut	Top- 16.10m Base-15.50m
273	Black loose ashy silt, 80% charcoal	Deposit	16.00m
274	Pit, vertical sides, flat base, filled with (275)	Cut	Top- 16.30m Base-15.50m
275	Mid –dark grey rubble rich silt, frequent medium fragments red brick, tile, mortar, white plaster	Deposit	16.20m
276	Mid –dark greyish brown, clayey silt, moderate flecks charcoal, occasional small fragments oyster shell, small sub	Deposit	15.30m
	rounded pebbles		
277	Quarry pit, rectangular rounded corners, vertical sided, flat base filled with (276)	Cut	Top- 15.30m Base-14.80m
308	Dark brownish grey coarse sandy ashy silt, frequent whole and fragments animal bones, burnt coal, pottery	Deposit	15.10m
312	Pit, vertical sides, concave base, filled with (313) (262) (268)	Cut	
313	Dark brown orange, clay gravel *0% medium sub rounded pebbles, occasional small fragments tile	Deposit	15.50m

314	Ouarry pit, vertical sides, flat base, filled with (323) (321) (324)	Cut	
315	Light grey brown clay and white flecks mortar rich silt, very frequent medium – small fragments chalk, red brick	Deposit	15.90m
318	Natural Geology . Mid orange yellow coarse sand	Deposit	14.20m
319	Natural Geology .Dark orange, sandy gravel, sub rounded well rounded small-medium pebbles	Deposit	15.20m
320	Mid dark grey ashy clay silt	Deposit	15.40m
321	Mid grey brown 20% dark brown mottles clay silt, occasional small oyster shell, frequent small sub rounded pebbles	Deposit	15.20m
322	Mid orange brown clay silt fid orange, frequent small sub rounded pebble	Deposit	14.90m
323	Dark grey ashy silt, frequent large fragments oyster shell, occasional small fragments red brick, roofing tile, chalk	Deposit	16.40m
324	Light orange brown with dark brown mottling clay silt	Deposit	15.00m
325	Wall, red unfrogged brick, compact hard light grey lime mortar	Construction	Top- 16.40m Base-16,00m
326	Mid-dark brown grey clay silt, lens of dark grey ashy silt	Deposit	14.80m
327	Dark grey loose ashy silt., no inclusions	Deposit	14.50m
410	Dark grey ashy silt, frequent large fragments oyster shell, occasional small fragments red brick, roofing tile, occasional	Deposit	16.40m
	small fragments chalk		

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Context	Description	Type	Height aOD (+/- 50mm)
111	Dark grey, ashy silt, occasional fragments oyster shell, red brick, small animal bones	Deposit	15.20m
112	Dark brownish grey, loose ashy silt, frequent fragments oyster shell, thin lens of orange brown, decayed iron and iron slag	Deposit	14.90m
113	Light grey, very loose rubble rich ashy mortar silt, frequent mortar, charcoal and white plaster, occasional fragments red	Deposit	14.80m
	tile, medium rounded pebbles, occasional small fragments animal bones		
114	Dark grey loose ashy silt, frequent thin lens of decayed iron frequent, small fragments red brick	Deposit	15.20m
115	Dark purplish grey very ashy silt, occasional fragments white plaster, frequent small fragments burnt coal	Deposit	14.50m
116	Mid grey brown compact clayey ashy silt, frequent small patches of light brown clay, frequent fragments red brick, tile	Deposit	14.30m
	white plaster and mortar		
1117	Very dark purplish grey very ashy silt, frequent small fragments unburnt and burnt coal and decayed iron, frequent	Deposit	14.60m
	fragments of red brick		
118	Natural Geology. Mid yellowish brown compact coarse sandy gravel 30/70, small -medium sub angular-well rounded	Deposit	$ 14.20 \mathrm{m} (+) $
	flint pephles		

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Context	Context Description	Type	Height aOD (+/- 50mm)	
113	Light grey, very loose rubble rich ashy mortar silt, frequent mortar, charcoal and white plaster, occasional fragments red	Deposit	14.80m	
	tile, medium rounded pebbles, occasional small fragments animal bones			
115	Dark purplish grey very ashy silt, occasional fragments white plaster, frequent small fragments burnt coal	Deposit	14.50m	
116	Mid grey brown compact clayey ashy silt, frequent small patches of light brown clay, frequent fragments red brick, tile	Deposit	14.30m	
	white plaster and mortar			
117	Very dark purplish grey very ashy silt, frequent small fragments unburnt and burnt coal and decayed iron, frequent	Deposit	14.60m	
	fragments of red brick			
118	Natural Geology. Mid yellowish brown compact coarse sandy gravel 30/70, small -medium sub angular-well rounded	Deposit	14.20m(+)	
	flint pebbles			
119	Mid-dark grey ashy clayey silt, frequent fragments coal and charcoal	Deposit	15.20m	
121	Mid- dark grey ashy clay silt, frequent fragments coal and charcoal	Deposit	15.20m	
122	Dark grey loose, very ashy silt, frequent small fragments oyster	Deposit	15.20m	
125	Pit, sides slope 45°, base not reached, filled with (122) (121)	Cut	Top-15.20m Base-not	
			reached at 14.20m	

Trench 15

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Context	Description	Type	Height aOD (+/- 50mm)	_
118	Natural Geology. Mid yellowish brown compact coarse sandy gravel 30/70, small -medium sub angular-well rounded	Deposit	15.20-13.40m	_
	flint pebbles			
157	Dark orange brown ,redeposited loose coarse sandy gravel, sloped down from north to south continued beneath walls of	Deposit	15.20m	_
	standing building			
158	Mid brown orange grey clayey silt, frequent small-medium fragments chalk, charcoal, slopes down north to south	Deposit	15.20m	_
159	Mid Grey orange coarse sandy gravel, sub angular-sub rounded small -medium pebbles, occasional fragments small brick,	Deposit	14.20m	_
	frequent charcoal flecks, sloped down from north to south continued beneath walls of standing building			
160	Dark grey loose ashy silt, frequent fragments unburnt and burnt coal, occasional small -medium fragments red brick,	Deposit	15.20m	
	sloped down from north to south continued beneath walls of standing building			
161	Mid brown clayey silt, frequent small fragment s chalk and red brick, sloped down from north to south continued beneath	Deposit	13.80m	_
	walls of standing building			
162	Light grey brown clay silt, sloped down from north to south, continued beneath walls of standing building	Deposit	13.60m	
411	Quarry pit, only north side observed 45° slope, flat base, filled with (157) (158) (159) (160) (161)	Cut	Top-15.20m Base-13.60m	_

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Description Dark grey clay ashy silt, frequent fragments coal, small chalk Type/ Dark grey clay ashy silt, frequent fragments chalk, occasional oyster shell, roof tile Deposit Mid grey ashy silt, frequent small fragments chalk, occasional small fragments CBM Deposit Dark grey ashy silt, occasional small fragments brick, medium chalk, occasional pottery Deposit Mid grey brown rubble rich deposit, a clay silt, frequent small-medium fragments red brick, plaster, mortar Deposit	Height aOD (+/- 50mm) 17.60m
	17.60m
	I/.30m
	17.25m
	17.10m
	17.00
	16.50m
grey mortar, thin lens crushed oyster shell, medium	16.30m
Deposit	15.85m
Deposit	15.60m
Deposit	15.70m
Deposit	17.00m
Cut	Top-17.00m Base-15.60m +
Construction	Top-17.00m Base-15.90m
Deposit	17.00m
Light grey white mortar and silt, occasional small fragments rag stone, chalk, tile	15.18m
Deposit	15.00m
l, white mortar and lens of black ashy silt Deposit	15.25m
Deposit	15.65m
brick, white mortar, charcoal Deposit	15.70m
and lens of black ashy silt ortar, charcoal	Deposit Deposit Deposit Deposit

Trench 17

TICHCH T			
Context	Context Description	Type	Height aOD (+/- 50mm)
97	Wall of Armoury building,, red unfrogged bricks, compact white lime mortar	Construction	Base-16.80m
186	Dark grey brown ashy silt, occasional small-medium fragments burnt coal, pottery	Deposit	16.70m
187	Light mid grey clay silt, very frequent crushed chalk, mortar small small-medium fragments red brick	Deposit	16.80m
188	Mid grey brown clay ashy silt, frequent small-medium fragments red brick, tile, crushed white mortar chalk	Deposit	16.50m
189	Dark grey a clay ashy silt, frequent small-medium sub angular pebbles, occasional fragments chalk, oyster shell, small	Deposit	16.60m
	animal bone		
190	Mid brownish yellow, loose coarse sandy gravel, frequent small-medium sub rounded pebbles, occasional small fragments	Fill	16.00m
	red brick		
191	Mid grey brown a clay silt, frequent dark brown mottling, occasional charcoal flecks, small-medium fragments red brick,	Deposit	15.80m

	tile, animal bones, oyster shell		
192	Dark grey brown ashy silt, frequent small-medium fragments red brick, tile, oyster shell	Deposit	15.50m
193	Quarry pit, rectangular, rounded corners, base flat, sides vertical, filled with (191) (192) (180) (183)	Cut	Top- 16.00m
			Base- 14.50m
211	Dark grey black ashy silt, very frequent, more than 40% fragments unburned coal and charcoal	Deposit	16.20m
212	Foundation trench for wall of Armoury building,, vertical sides, flat base, filled with (187) (186) (188) (211)	Cut	Top- 16.80m Base-16.00m-
281	Dark grey loose ashy silt, coal and charcoal	Deposit	16.20m

Trench 18

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Context	Context Description	Type	Height aOD (+/- 50mm)
200	Light -mid grey brown clay silt, frequent brown mottling, occasional small-medium fragments oyster shell, charcoal	Deposit	15.00m
	Ilecks, animal bones, red tile, pottery		
206	Dark grey ashy silt, frequent fragments coal, occasional small fragments oyster shell	Deposit	15.00m
207	Quarry pit, sides slope 45°, concave base, filled with (214) (200) (206)	Cut	Top- 15.00m Base-13.60m
208	Dark grey with dark brown mottles, coarse sandy ashy silt, occasional small fragments burnt coal	Deposit	15.10m
209	Mid grey brown silt, frequent small fragments chalk, occasional oyster shell, small animal bones, red roof tile	Deposit	15.10m
210	Quarry pit/rubbish pit, concave base, sides slope 45°, filled with (213) (209) (208)	Cut	Top-15.20m Base-14.00m
213	Mid grey brown, coarse sandy gravely silt, frequent sub rounded sub angular pebbles, occasional fragments tile	Deposit	14.20m
214	Black, loose ash and charcoal	Deposit	13.80m

Trench 19

Context	Context Description	Type	Height aOD (+/- 50mm)
176	Dark grey, loose clay silt, frequent small-medium fragments chalk, small red brick, animal bones	Deposit	15.40m
177	Mid dark grey clay ashy silt, frequent small fragments chalk, charcoal, occasional small fragments animal bone, oyster	Deposit	15.40m
	shell, medium fragments pottery		
178	Quarry pit / rubbish pit, vertical sided, flat base, filled with (176)	Cut	Top- 15.40m Base-14.00

Context	Context Description	Type	Height aOD (+/- 50mm)
127	Light grey frequent white flecks, coarse mortar rich silt, frequent small –large fragments chalk, red roof tile	Deposit	15.60m
128	Quarry pit, rectangular, rounded corners, verticals sides, flat base, 3.00m x 2.00m, 0.50m deep, filled with (130) (129)	Cut	Top-15.70m Base-15.20m
129	Light greyish brown clay silt, occasional charcoal flecks	Deposit	15.70m
130	Dark grey loose ashy silt, occasional fragments red brick, oyster shell, pottery	Deposit	15.70m
194	Brownish grey coarse sandy ashy silt, frequent whole and fragments animal bones, burnt coal, pottery	Deposit	15.50m

195	Black, loose, homogenous fine ashy silt, frequent small fragments burnt coal, large oyster shell fragments	Deposit	15.50m
196	Circular pit 1.60m in diameter, 0.50m deep, concave base, vertical sides, filled with (195)	Cut	Top-15.50m Base-15.00m
197	Dark -mid grey brown clay silt, frequent large fragments chalk, occasional flint cobbles, frequent charcoal fragments	Deposit	15.50m
198	Rectangular Quarry Pit, rounded corners 2.50m x 2.00m 0.40m deep, flat base, vertical sides, filled with (127) (194)	Cut	Top-15.50m Base-15.10m
264	Mid –light orange with 30% dark brown mottles throughout, fine sandy clayey silt, occasional small- medium sub rounded	Deposit	15.40m
	- sub angular flint pebbles, moderate flecks charcoal		
265	Mid –light orange with 30% dark brown mottles throughout, fine sandy clayey silt, occasional small- medium sub rounded	Deposit	15.60m
	- sub angular flint pebbles, moderate flecks charcoal		
266	Rectangular Quarry Pit, rounded corners 2.50m x 2.00m 0.40m deep, flat base, vertical sides, filled with (265)	Cut	Top-15.60m Base-15.20m
276	Brownish grey coarse sandy ashy silt, frequent whole and fragments animal bones, burnt coal, pottery	Deposit	15.50m
277	Rectangular Quarry Pit, rounded corners 2.50m x 2.00m 0.30m deep, flat base, vertical sides, filled with (276)	Cut	Top-15.50m Base-15.20m
278	Mid –light orange with 30% dark brown mottles throughout, fine sandy clayey silt, occasional small- medium sub rounded Deposit	Deposit	15.50m
	- sub angular flint pebbles, moderate flecks charcoal		
279	Quarry pit rounded corners 3.10m x 2.10m 1.00m deep, vertical sides flat base, filled with (278)	Cut	Top-15.50m Base-14.50m
280	Mid greyish brown 10% dark brown orange mottles throughout, clayey silt, no inclusions	Deposit	15.50m
281	Quarry pit rounded corners 5.10m x 3.10m 1,30m deep, vertical sides flat base, filled with (280) (310)	Cut	Top-15.60m Base-14.20m
308	Dark brownish grey coarse sandy ashy silt, frequent whole and fragments animal bones, burnt coal, pottery	Deposit	15.50m
310	Dark grey black loose ashy silt, frequent small oyster shell, animal, tiles pottery	Deposit	15.50m
319	Rectangular Quarry Pit, rounded corners 1.50m x 2.00m 0.40m deep, flat base, vertical sides, filled with (308)	Cut	Top-15.50m Base-15.10m

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Trench 71			
Context	Context Description	Type	Height aOD (+/- 50mm)
118	Natural Geology. Mid yellowish brown compact coarse sandy gravel 30/70, small -medium sub angular-well rounded	Deposit	15.0m (+)
	flint pebbles		
201	Dark grey loose ashy silt, frequent fragments oyster	Deposit	16.30m
202	Mid grey clayey ashy silt, very frequent fragments oyster shell moderate small fragments animal bones, occasional chalk Deposit	Deposit	16.10m
	fragments		
203	Redeposited brick earth, light brown clay silt dark orange brown mottling clay silt, occasional charcoal flecks	Deposit	15.80m
204	Brick earth, mid -light orange brown clay silt	Deposit	15.60m

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Context	Context Description	Type	Height aOD (+/- 50mm)
118	Natural Geology. Mid yellowish brown compact coarse sandy gravel 30/70, small –medium sub angular–well rounded flint pebbles	Deposit	15.0m (+)
179	Light grey rubble rich deposit, coarse sandy mortar mixed with frequent fragments chalk, plaster, occasional small fragments brick	Deposit	15.20m
180	Dark grey ashy clay silt	Deposit	15.60m

TICILL 73			
Context	Context Description	Type	Height aOD (+/- 50mm)
33	Well capping of red yellow bricks	Construction	15.45m
34	Well capping, three layers of bricks with white mortar well capping	Construction	15.70m
35	Well capping, yellow red bricks in grey mortar	Construction	16.50m
36	Mid grey brown silt clay, brick mortar rubble, bone, clay pipe	Deposit	16.60m
37	Wall arch, red and yellow bricks forming arch over well	Construction	Top-16.80m Base- 15.90m
38	Drain, linear east-west, flat base, vertical sided and flat roof, brick and tile white mortar	Construction	Top-17.00m Base-16.40m
39	Trench of drain, vertical sides, flat base filed with [38]	Cut	Top- 17.00m Base-14.60m
40	Mid grey silt clay	Deposit	17.00m
41	Orange sandy clay	Deposit	16.20m
42	Orange grey sandy silty clay	Deposit	16.00m
215	Dark grey loose coarse ashy clay silt, frequent small fragments red brick, tile, chalk, moderate sub rounded- well rounded	Deposit	14.70m
	small- medium pebbles		
216	Dark grey brown clay silt, frequent charcoal flecks, occasional small fragments oyster shell	Deposit	14.10m
217	Mid grey brown with orange brown mottling, clay silt, occasional charcoal flecks, small fragments oyster shell, red tile	Deposit	14.10m
218	Quarry pit, concave base, sides 45°, filled with (217)	Cut	Top-14.10m Base-13.30m

Context	Context Description	Type	Height aOD (+/- 50mm)
66	Natural Geology, Brown orange sandy gravel, small-medium sub rounded flint pebbles	Deposit	15.50m
100	Natural Geology . Mid orange, coarse sandy gravel, medium sub rounded pebbles	Deposit	15.40m
101	Natural Geology . Orange coarse sand and gravel, frequent small, occasional medium sub rounded -well rounded pebbles Deposit	Deposit	14.85m
102	Natural Geology . Mid orange sandy clay	Deposit	14.70m
103	Natural Geology . Bright orange with frequent 10% brown mottling, sandy gravel, sub rounded –well rounded medium	Deposit	14.65m
	pebbles		

104	Natural Geology. Mid orange brown sandy clayey gravel, medium well rounded pebbles	Deposit	14.55m
105	Natural Geology . Orange sandy gravel, small – medium well rounded pebbles	Deposit	14.40m
118	General number for natural geology. Mid yellowish brown compact coarse sandy gravel 30/70, small -medium sub	Deposit	14.40m (+)
	angular-well rounded flint pebbles		

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Context	Description	Type	Height aOD (+/- 50mm)
126	Large concave pit	Cut	Top-16.00m Base-15.20m
179	Light grey brown redeposited clay silt, occasional lens orange coarse sandy gravel, small sub rounded pebbles	Deposit	15.80m
185	Dark brown grey, loose, coarse ashy clay silt, frequent small fragments oyster shell, burned coal	Deposit	16.00m
219	Quarry/ Rubbish Pit, vertical sided, flat base, filled with (246) (308) (327) (326)	Cut	Top-16.00m Base-14.30m
226	Mid-dark grey dark brown mottles, loose coarse ashy silt. Occasional iron slag, small fragments oyster, red brick	Deposit	16.40m
227	Light brown grey frequent flecks red loose mortar rich silt, frequent small fragments red brick, mortar occasional burned	Deposit	16.00m
228	Mid dark brown grey, loose coarse shy silt, frequent iron mottling, lens of crushed oyster, occasional tile fragments	Denosit	16.00m
229	Mid grey brown clayey silt, frequent small -medium sub-rounded pebbles, frequent charcoal flecks, occasional oyster shell	Deposit	15.90m
230	Mid grey brown, clay silt orange brown mottling, occasional thin lens loose charcoal	Deposit	15.60m
231	Mid grey brown clay silt, frequent small fragments ed brick, frequent well rounded -sub angular pebbles	Deposit	15.60m
232	Mid grey frequent red and grey yellow flecks, loose coarse sandy mortar rich silt, very small fragments red brick, mortar, occasional well rounded sup 1 -medium nebbles	Deposit	15.70m
233	Dark grey black. Very loose fine ashy silt, frequent lens of light greyish purple ashy silt and very occasional small	Deposit	15.80m
	fragments oyster shell	1	
235	Black loose fine ashy silt, , frequent small-medium sub rounded pebbles, occasional small oyster shell, tile, red brick	Deposit	15.80m
236	Light grey frequent red and white, coarse mortar rich clay silt, very frequent fragments red brick, white mortar	Deposit	17.40m
237	Mid orange yellowish brown white flecks, loose iron rich silt, frequent iron slag, small fragments coal frequent small tile	Deposit	17.20m
	fragments		
238	Dark grey black, fine ashy silt, very occasional small fragments red brick	Deposit	17.00m
239	Dark grey black, fine ashy silt, occasional small shattered fragments animal bone, iron slag, very occasional small	Deposit	16.80m
	tragments red brick and pottery		
240	White and red loose rubble rich mortar, frequent red brick fragments, off white mortar, plaster, chalk lens of loose ashy	Deposit	17.40m
	grey silt		
241	Foundation robbing cut, vertical sided, flat base, filled with (240)	Cut	Top-17.40m Base-16.00m
242	Light grey brown silt, frequent white flecks clayey mortar rich silt, frequent small fragments chalk, reed brick, tile	Deposit	16.90m
243	Mid grey brown, silt, very frequent well-rounded small pebbles	Deposit	17.40m

245	Dark grey, loose ashy silt, occasional large fragments oyster shell, occasional small fragments CBM, brick tile, lens of	Deposit	15.40m
	redeposited clay silt slopping down from west to east		
246	Light grey and white mortar rich silt, frequent small fragments red brick and chalk	Deposit	16.60m
342	Grey brown sandy clayey silt, frequent sub-rounded medium pebbles and small fragments of tile	Deposit	15.60m
381	Dark grey black ashy silt, occasional small fragments tile, brick	Deposit	15.70m
467	Mid grey brown. clay silt, occasional; oyster shell	Deposit	15.90m
468	Dark brown grey loose ash, frequent oyster shell, animal bones, lens of brown Iron staining	Deposit	15.60m
469	Light grey loose building rubble with mortar and brick	Deposit	16.40m
470	White loose mortar and plaster, frequent small fragments red brick large fragments rag stone	Deposit	15.35m
471	Dark brown grey, loose ashy silt, no inclusions	Deposit	16.10m
472	Mid grey clay silt, frequent small sub rounded pebbled	Deposit	15.80m
473	Dark grey ashy silt, frequent fragments oyster shell, animal bines	Deposit	15.60m
474	Mid grey clay silt, frequent small –medium sub rounded well rounded pebbles	Deposit	15.50m
475	Light grey and brown, loose coarse sandy mortar and silt	Deposit	15.60m
479	Light orange brown, compact clayey gravel, small-large sub rounded -well rounded pebbles, occasional small fragments	Deposit	15.55m
	red brick		
480	Dark greyish purple, coarse dandy ashy clay, frequent small chalk flecks, charcoal, occasional burnt bone and coal	Deposit	16.00m
482	Grey brown sandy clay silt, frequent sub rounded medium flint pebbles, small fragments tile	Deposit	15.60m
483	Light orange clay, occasional small well rounded pebbles, occasional charcoal flecks	Deposit	15.60m
484	Quarry pit, vertical sides, flat base, filled with (487) (231) (483) (479) (232)	Cut	Top-15.70m Base-14.80m
486	Dark grey black ashy silt, frequent small oyster shell fragments	Deposit	16.40m
487	Mid brown 20% dark orange brown mottling, fine sandy clayey silt, occasional CBM, tile, charcoal flecks	Deposit	15.20m

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Context	Context Description	Type	Height aOD (+/- 50mm)
94	Dark grey brown silty clay	Deposit	16.40m
95	Dark grey brown silty clay, occasional rounded pebbles	Deposit	16.40m
96	Dark orange brown loose iron rich deposit, slag and clinker and fragments of iron	Deposit	16.10m
64	Mid orange silty clay, charcoal and oyster shell fragments	Deposit	16.00m
86	Natural Geology. Silty clay gravel	Deposit	15.50m
289	Pit, concave base, sides almost vertical filled with (94)	Cut	Top- 16.40m Base-15.50m

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TICHT 7			
Context	Context Description	Type	Height aOD (+/- 50mm)
282	Wall, red brick and mortar	Construction	15.60m
283	Wall, red brick and mortar	Construction	15.60m
284	Mid grey mortar, plaster, loose rubble rich mortar silt, very frequent small –large fragments	Deposit	15.70m
285	Wall, red brick and mortar	Construction	15.50m
288	Wall red brick and mortar	Construction	15 50m

Contout	Doguition	T	Hoight off (+/ f0mm)
College	Description	Lype	neight aod (+/- somm)
290	Dark grey black clayey ashy silt, frequent small fragment small -medium sub rounded pebbles, moderate small red brick,	Deposit	16.20m
	oyster shell		
291	Mid brown grey frequent orange brown mottling clay ashy silt, frequent fragments oyster, animal bones, clinker	Deposit	15.80m
292	Light grey with white flecks mortar rich clay, frequent small sub rounded pebbles, small fragments mortar white plaster,	Deposit	15.80m
	chalk, red brick		
293	Wall of Sergeant's Cottage, red brick and white mortar	Construction	17.60m
294	Wall of Sergeants Cottage,, yellow London stock brick and grey mortar	Construction	18.00m
295	Trench for drain linear, vertical sides, flat base, filled with (329) (296)	Cut	Top-17.35m Base-17.00m
296	Dark grey, soft fine sandy silt, frequent small fragments burnt coal	Deposit	17.20m
329	Brick barrel vaulted drain, red unfrogged brick and light grey lime mortar	Construction	Top-17.40m Base-
406	Dark black and purple with dark brown and greenish blue mottles, soft ashy silt, frequent coal fragments, occasional burnt	Deposit	17.00m
	stone		
407	Light brown with frequent fragments white mortar, mortar rich clayey silt, frequent small fling pebbles, chalk	Deposit	16.90m

Context	Context Description	Type	Height aOD (+/- 50mm)	
78	Base of concrete steps	Construction	17.00m	_
79	Wall of Armoury, red brick and grey mortar		17.00m	_
80	Stair well, red brick	Construction	17.00m	_
81	Arch, red brick and light grey lime mortar	Construction	16.80m	_
82	Dark brown silt clay, occasional fragment red brick, oyster shell	Deposit	16.40m	_
83	Mid grey silt clay, fragments red brick, concrete	Deposit	16.40m	_

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TICHOL ST	ı		
Context	Context Description	Type	Height aOD (+/- 50mm)
38	Drain brick and tile drain flat base flat roof	Construction	17.00m
39	Cut for drain, vertical sided, flat base filled with (38) (234)	Cut	Top-17.00m Base16.40m
40	Mid grey brown silt clay, frequently fragments, red tile	Deposit	17.00m
41	Orange sandy clay	Deposit	16.40m
42	Orange grey, sandy silt clay		16.20m
234	Mid grey, loose coarse silty clay	Deposit	16.80m

I renen 32	7		
Context	Description	Type	Height aOD (+/- 50mm)
145	Mid brown orange fleck s green, loose silt clay and mortar, occasional small fragments, red tile	Deposit	16.60m
118	Natural Geology. Mid yellowish brown compact coarse sandy gravel 30/70, small –medium sub angular–well rounded	Deposit	15.60m (+)
	flint pebbles		
299	Dark grey loose ashy silt, frequent small fragment red brick, occasional oyster shell	Deposit	16.40m
300	Dark grey black purple soft fine ashy silt, occasional small fragment coal, small flat fire fractured stones	Deposit	16.20m
301	Dark grey black ashy silt, frequent small fragment small -medium sub rounded pebbles, oyster shell	Deposit	15.80m
302	Dark grey loose ashy silt, occasional large fragment red brick, 30mm thick lens of dark brown orange iron, lens of white	Deposit	15.40m
	plaster		
303	Light brown and white flecks mortar rich clayey silt, frequent small patches of mid brown clay, frequent small –medium	Deposit	15.00m
	sub rounded pebbles, chalk		
304	Dark grey black, loose ashy, clay silt, frequent small fragments oyster shell, charcoal, coal	Deposit	14.60m
305	Quarry pit, sides 45° base not reached filled with (388) (304)	Cut	Top-14.60m Base-13.90m+
388	Light brown, 40% dark brown orange mottling, a fine sand y clay silt, occasional small fragments red brick, tile	Deposit	$ 14.40 \mathrm{m} (+) $

CCHAIN			
Context	Context Description	Type	Height aOD (+/- 50mm)
328	Mid brown silt, clay, occasional red brick rubble, occasional sub rounded pebbles	Deposit	17.50m
329	Red brick drain, east-west barrel vaulted	Construction	17.50m
330	Linear cut for drain filled with (328) [329]	Cut	Top-17,50m Base-17.26m
331	Mid brown silt, clay, occasional red brick rubble, small medium sub rounded pebbles	Deposit	17.40m
332	Mid orange silty, clay	Deposit	17.02m
333	Mid brown silt clay, occasional red brick, oyster shells, occasional small medium sub rounded pebbles	Deposit	16.96m
334	Wall red brick	Construction	17.74m

335	Concrete footings below wall [334]	Construction	Top-17.44m Base-16.30m
336	Foundation trench, east west, vertical side, flat base, filled with [334] [335]	Cut	Top-17.46m Base-16.30m
337	Pile, part of wall of Armoury Building, yellow stock brick	Construction	18.00m
338	Rubble and concrete wall footings	Deposit	16.70m
339	Foundation trench for wall [337] [338]	Construction	Top-17.76m Base-15.76m

Context	Context Description	Type	Height aOD (+/- 50mm)
340	Modern pile	Construction	18.00m
341	Dark brown silty clay, CBM, brick rubble and oyster shell, modern redeposited deposit	Deposit	18.00m
342	Dark red brown silt clay, occasional sub rounded pebbles, CBM, concrete fragments	Deposit	17.60m
343	Pale pink beige, mortar rich deposit, pebbles and occasional fragments CBM	Deposit	17.20m
344	Mid-dark grey brown silty clay, moderate medium sub rounded- well rounded flint pebbles, frequent CBM	Deposit	17.65m
345	Ceramic waste water pipe	Construction	17.20m
346	Trench for waste water pipe (modern)	Construction	Top-17.20m Base 16.90m
347	Pit, filled with (342) (343)	Cut	Top-17.20m Base1-6.80m +
348/349	348/349 Dark grey black silty clay, occasional animal bone, CBM, oyster shell	Deposit	17.00m

COMPANY			
Context	Context Description	Type	Height aOD (+/- 50mm)
327	Mid grey clay, frequent small sub angular pebbles	Deposit	15.50m
350	Dark grey, coarse ashy silt, occasional small-medium fragments white plaster	Deposit	17.80m
351	Dark grey brown, ashy clay silt, occasional large fragments white plaster. red brick	Deposit	17.60m
352	mid grey rubble rich deposit, white grey mortar, frequent red brick fragments	Deposit	17.40m
353	Dark grey clean silt, no inclusions	Deposit	17.30m
354	Light grey white, occasional light brown patches, silt with frequent patches brown clay, frequent flecks white plaster	Deposit	17.00m
355	mid grey brown, ashy silt, no inclusions	Deposit	16.90m
356	Light grey loose mortar with frequent small fragments red tile, plaster	Deposit	15.70m
357	Light brown grey green ,ashy silt, frequent small fragments oyster shell	Deposit	16.60m
358	Dark grey clay silt, frequent small-medium rounded –sub rounded pebbles, occasional small fragments animal bones, CBM	Deposit	16.40m
359	Dark brown soft iron rich silt, frequent angular fragments of iron and cinder, occasional small fragments animal bones	Deposit	16.00m
360	Mid grey clay silt, frequent small fragments white and light grey mortar	Deposit	15.80m
361	Dark grey ashy silt, no inclusions	Deposit	15.95m

362	Mid grey green, fine sandy chalky silt, frequent small fragments chalk	Deposit	15.54m
363	Wall foundations of Sergeant's Cottage, concrete and red brick	Construction	18.00m
364	Wall foundations of Sergeant's Cottage, concrete and red brick	Construction	18.00m
365	Foundation trench for wall of Sergeant' Cottage, filled with [363]	Cut	Top-18.00m Base-15.40m
366	Foundation trench fro wall of Sergeant' Cottage, filled with (364)	Cut	Top-18.00m Base-15.40m

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Context	Context Description	Type	Height aOD (+/- 50mm)
378	Dark grey black coarse ashy clayey silt, occasional large fragment white plaster, red brick	Deposit	17.70m
379	Mid grey, crushed white plaster and mortar, frequent small red brick fragments	Deposit	17.40m
380	Dark grey ashy silt, frequent small fragments red brick and mortar	Deposit	17.20m
381	Light grey white crushed mortar and plaster	Deposit	16.70m
382	Mid grey brown clay silt, no inclusions	Deposit	16.60m
383	Dark brown orange, soft silt, frequent small fragments burnt coal, animal bones	Deposit	16.20m
384	Mid-dark grey ashy silt, occasional animal bone fragments	Deposit	16.17m
385	Mid grey green fine sandy clay silt, frequent small fragments chalk	Deposit	15.80m
386	Mid grey clay, no inclusions	Deposit	15.50m
387	Natural Geology . Mid greyish yellow brown, frequent coarse sandy clay gravel medium sub-rounded pebbles	Deposit	15.40m

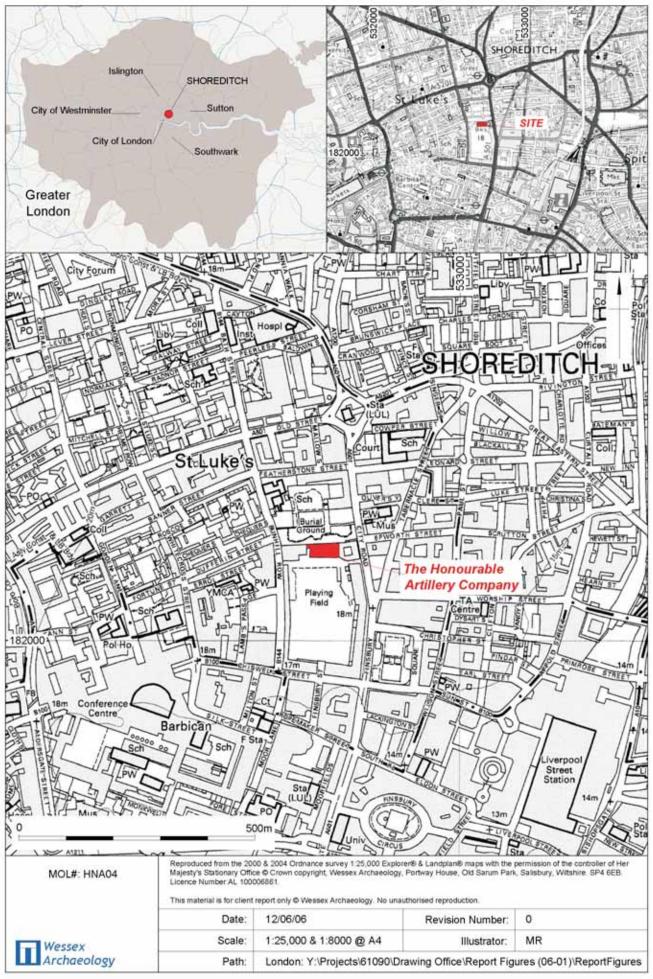
Context	Context Description	Type	Height aOD (+/- 50mm)
367	Dark mid grey ashy clay silt, occasional small fragments red brick	Deposit	17.90m
368	Mid grey clay silt, frequent small fragments red brick and white mortar	Deposit	17.50m
369	Dark grey brown ashy silt, occasional small animal bones, sub rounded pebbles	Deposit	17.30m
370	Light grey, loose white mortar rich silt, frequent small fragments red brick mortar	Deposit	17.10m
371	Mid grey clay silt, frequent sub-rounded pebbles and small fragments oyster shell	Deposit	16.90m
372	Dark brown grey, ashy silt, occasional small animal bones	Deposit	16.70
373	Dark orange brown with frequent white fragments, loose soft ashy silt, frequent oyster shell fragments burnt stone and	Deposit	16.50
	coal animal bones, clinker, iron slag		
374	Dark grey brown soft ashy silt, occasional fragments oyster shell, animal bones	Deposit	16.20m
375	Light grey and white, loose clay silt, frequent fragments plaster, chalk, tile, red brick	Deposit	15.90m
376	Dark grey brown soft ashy clay silt no inclusions	Deposit	15.80m
377	Light range clayey gravel, medium well rounded sub rounded pebbles	Deposit	15.40m

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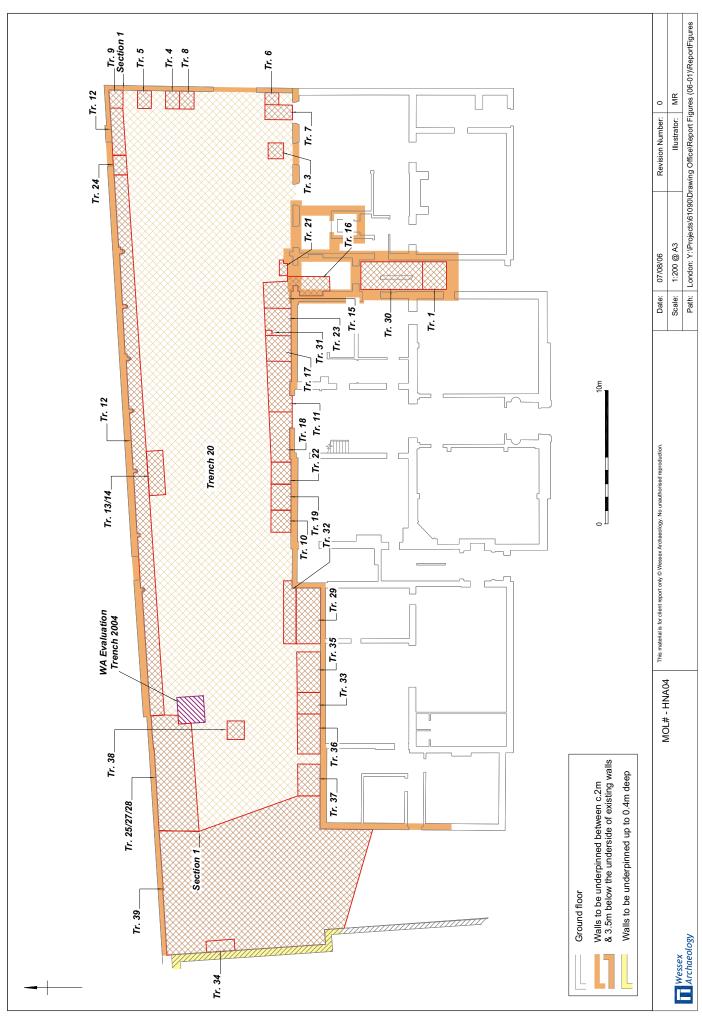
TI CHOIL SO			
Context	Context Description	Type	Height aOD (+/- 50mm)
389	Dark yellow sand	Deposit	16.70m
398	Brick rubble chalk and earth	Deposit	16.50m
399	Yellow crushed sandstone	Deposit	16.00m
400	Earth, brick rubble and chalk	Deposit	16.30m
401	Earth and brick rubble	Deposit	15.90m
402	Crushed sandstone	Deposit	15.75m
403	Earth, chalk and brick rubble	Deposit	15.70m
404	Earth and brick rubble	Deposit	15.60m
405	Natural Geology. Yellow gravel	Deposit	15.50m
412	Foundation trench for wall, filled with (389) (398) (399) (400) (401) (402) (403) (404)	Cut	Top-16.40m Base-15.30m

Trench 39

Context	Context Description	Type	Height aOD (+/- 50mm)
94	Mid grey brown clay and gravel, sub-rounded- well rounded medium-small pebbles, occasional small fragments CBM,	Deposit	15.60m
	charcoal Hecks		
95	Mid grey brown, loose clayey ashy silt, occasional small fragments animal bones frequent small sub rounded pebbles	Deposit	16.10m
96	Dark grey ashy silt, occasional sub rounded pebbles	Deposit	15.60m
390	Light brown with 10% dark brown orange mottling, clayey silt, occasional charcoal flecks	Deposit	16.20m
391	Quarry pit, vertical sides, concave base, filled with (390)	Cut	Top-16.20m Base-15.00m
392	Dark grey black. loose ashy silt, frequent small brick fragments	Deposit	17.40m
393	Mid grey ashy clay silt, frequent small sub rounded pebbles, occasional small fragments oyster shell, red brick	Deposit	17.40m
394	Mid grey white, loose coarse sandy mortar and plaster, occasional small fragments red brick	Deposit	16.48m
395	Dark grey ashy silt, frequent small sub rounded pebbles	Deposit	16.20m
396	Light grey brown 20% dark brown orange mottling, clayey silt, occasional charcoal fragments, red tile	Deposit	16.00m
397	Quarry pit, gradual sided, base concave, filled with (395) (396)	Cut	Top-16.20m Base-15.40m



Site location map Figure 1



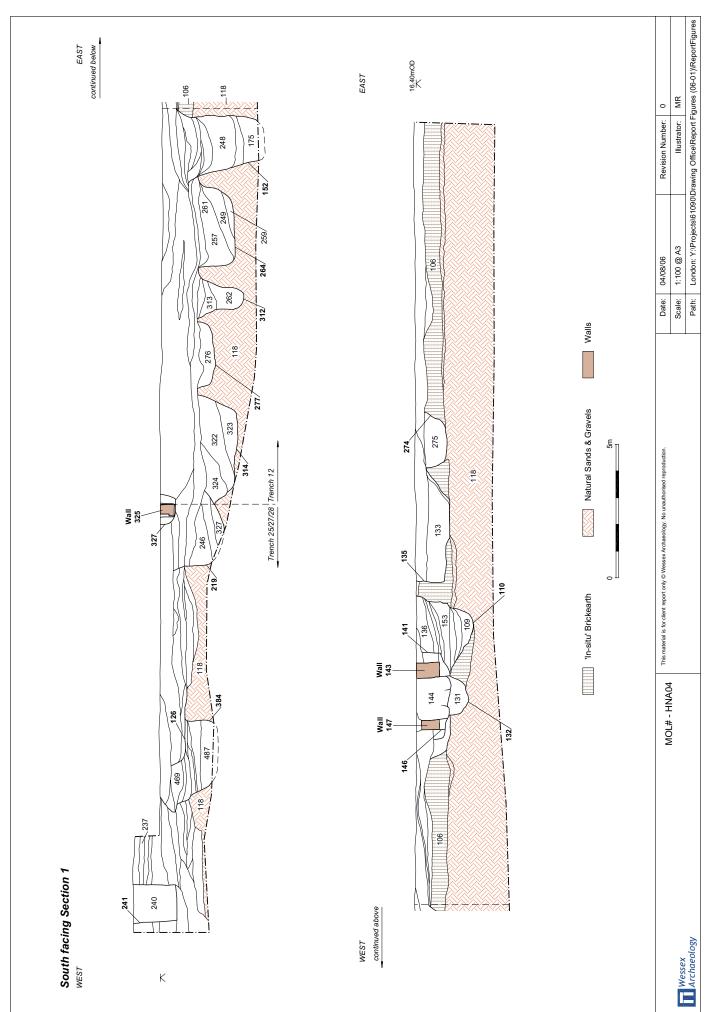




Plate 1: C19th Brick wall



Plate 2: South Facing Section showing 'quarry pits' (110 & 135), C19th 'cess pit' walls & in situ brick earth

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Plate 3: In situ brick earth overlying natural gravels



Plate 4: South facing section of 'quarry pit' 219

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