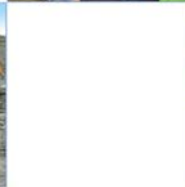


February 2012



Gallowgate, Glasgow:

Historic Building Recording and Archaeological Works

Data Structure Report

On Behalf of: MacDonald Estates
112 George Street
Edinburgh
EH2 4LH

National Grid Reference (NGR): NS 6026 6490

AOC Project No: 21742

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Date of Fieldwork: 18th April to 24th October 2011

Date of Report: 14th December 2011

This document has been prepared in accordance with AOC standard operating procedures.

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Date: 14th December 2012

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Date: 14th December 2012

Draft/Final Report Stage: Draft

Date: 14th December 2012

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ABSTRACT

This report represents the results of all archaeological works undertaken by AOC Archaeology Group on behalf of MacDonald Estates during the construction of a supermarket development, at 239 Gallowgate, Glasgow. The scope of the works was determined by Glasgow City Council as advised by the West of Scotland Archaeology Service in order to record the extent and significance of any archaeological remains which may be present within the development area.

The archaeological works comprised of an Evaluation in the most archaeologically sensitive area of site, followed by a Watching Brief to oversee all ground-breaking works within the development area with subsequent excavations taking place where significant archaeology was encountered. An Historic Building Survey was also conducted on the remains of the 18th century barrack wall encircling the development area.

A number of archaeologically significant features and structures relating to the military barracks and earlier periods were revealed and recorded within the development area south of the railway tunnels. Furthermore, a rifle range used during World War II was located within the South Tunnel. As for the area north of the railway tunnels, only some very truncated remains of the military barracks pathways and a small sandstone feature were revealed, with modern buildings and 19th / 20th century railway development having removed the majority of earlier structural remains in this area.

1 INTRODUCTION

- 1.1 A series of archaeological works were required by MacDonald Estates prior to and during the development of a supermarket at 239 Gallowgate, Glasgow. The scope of the works was determined by Glasgow City Council as advised on archaeological matters by the West of Scotland Archaeology Service (WoSAS). The work undertaken was in accord with *Scottish Planning Policy* (Scottish Government 2010) and *PAN 2/2011 Planning And Archaeology* (Scottish Government 2011).
- 1.2 The archaeological works comprised three main elements; an archaeological evaluation of the south-west corner of the site; a watching brief on all ground-breaking works associated with construction activities and an Historic Building Survey of the upstanding Barrack Wall and previously unknown rifle range identified within the southernmost railway tunnel which crossed the site.
- 1.3 The archaeological works confirmed the archaeological potential of the development area by identifying evidence relating to the 18th century 'Pighoose' Pottery in the form of a red brick flue system, kilns and waster pits containing post medieval Redware. It also unearthed the lower foundations of part of the 18th century military barrack complex, and a previously unknown Second World War rifle range was identified and recorded.

2 SITE BACKGROUND

2.1 Site Location

- 2.1.1 The development area lies at 239 Gallowgate, Glasgow (centred NGR: NS 6026 6490; Figure 1). The site amounts to approximately 3.2 ha and is bounded by the Gallowgate to the south, Hunter Street to the north and west and Barrack Street to the east. The site is split by the disused Gallowgate and Barrack Street railway tunnels and enclosed by a late 18th century Barrack Wall on its northern, western and eastern sides. Prior to the developments works, the site was derelict ground covered by a combination of concrete slab/tarmac, dense undergrowth and immature trees. Earth embankments survived along parts of the western, eastern and northern perimeters of the site.

2.2 Historical Background

- 2.2.1 The development area is located to the north side of Gallowgate, which is a very early thoroughfare to the south-east side of Glasgow. Established in the 12th century, the street continued to expand into the 15th century, where it was granted the status of Regality by James II (Firat 2003, 6). After this point, the city expanded, including the street of Gallowgate, which may have been extended at this time to the Gallowmuir (*ibid*). The development area lies just outside the walls of the medieval city.
- 2.2.2 An interesting aspect of the development area – which was formally known as 'the Butts' since the 15th century to the 19th century – was that it was the location of a conflict between the Earl of Lennox (aided by Glasgow citizens) and the Regent Hamilton in 1556, which saw at least 300 men battling on each side. This skirmish is fairly well documented in the archive histories of Glasgow. It is not entirely certain whether the exact encounter was located within the development area, but it was certainly known as the 'Battle of the Butts'.

- 2.2.3 The proposed development area is first recorded in the mid-late 16th century on Pont's map (Figure 2). Though the site is not recorded in any detail, the map confirms the alignment of Gallowgate was much as it is today. In the 1760s, documents identify the Butts as a '*...small piece of common wast ground...*' when a new road was built adjacent to it (possibly the forthcoming Barrack Street?) making it a proper road floored with whinstone (Firat 2003, 41).
- 2.2.4 The site is first recorded in detail on Charles Ross's map of 1773, identifying (albeit schematically) a heavily built up area with linear buildings (Figure 3). More generally, the city wall is shown with a gateway centred on Gallowgate and it is clear that the area was specifically used for industrial purposes, noting at least two Tan Works in the vicinity, which are known to have existed from at least the 1720s (Firat 2003, 42).
- 2.2.5 By the early 19th century, the site was well documented and was recorded on three maps from 1820, 1822 and 1832 respectively (Thomson & Johnson 1820, Figure 5; Smith, Cleland & Wood, 1822, Figure 6; Great Reform Act Plan, 1832, Figure 7) show the barracks, again, with no wall, apart from the 1832 Great Reform Act Plan (Figure 7) which shows a boundary wall to the front of the site.
- 2.2.6 By the time of the First Edition Ordnance Survey map in 1856, the boundary wall and barracks were well established (Ordnance Survey 1856; Figure 8). The map records a comprehensive and detailed record of the buildings on the site. Generally, the barracks comprised a central parade ground enclosed by buildings on all sides. The buildings comprised a hospital building, prison, cook-house and large stores building to the north, officers and soldier's quarters to the centre, a canteen, stable and more stores to the south-west corner and a large guard house to the south, enclosing. An 1857 plan of the barracks (Feu Plan of Barracks, 1857, Figure 9) shows the wall and buildings in detail, although slightly less than that seen in the Ordnance Survey maps. In 1885, an etching of Barrack Street records the barracks and wall as they stood at this time (Etching of Barrack Street, 1885, Figure 10). The soldier's barracks are recorded to the left of the etching standing as a three by nine bay four storey building with a hipped roof. The Officer's Quarters are recorded in the background with a projecting triangular-headed entrance and multiple chimneys. The wall itself at this point seems to be represented as fairly low with a flat cope, constructed of stone rubble with quoins to the south-east corner.
- 2.2.7 By the late 19th century, the Glasgow Union Railway has been well established, with a multitude of railway lines to the immediate north of the development area, as represented in the 1894 Ordnance Survey map (Ordnance Survey, 1894; Figure 11). Two large east to west aligned railway tunnels area as shown bisecting the site.
- 2.2.8 By the early 20th century, cartographic evidence demonstrates the site had been fully converted as railway infrastructure (Ordnance Survey, 1913; Figure 12). The tunnels are still in place and depicted and there are multiple terminations of railway lines annotated 'Barracks Mineral Depot'. By the mid 20th century, the 1951 map (Ordnance Survey map, 1951; Figure 13) shows us that there have been a few buildings added to the site, especially in the south-west corner (No 293 Gallowgate) and a large rectangular building to the east boundary of the site (No 43 Barrack Street). In the north-west side, another square building has been added (No 60 Hunter Street) and a petrol depot is located to the north boundary.

2.3 Archaeological Background

- 2.3.1 The development area has previously been subject to Desk-Based Assessment and associated archaeological Evaluation (FIRAT 2003; 2006). The main archaeological issues identified by the Desk-Based study related to the possible presence of archaeological material derived from:

The Butts - the location of Glasgow's medieval archery butts;
The Site of the Battle of the Butts (1556);

The location of an early pottery site, 'The 'Auld Pighoose Pottery'; (originating as early as the late 1400s);
 Hyndshaw's Clay Pipe Factory;
 An 18th century infantry barracks;
 An 18th century brick works
 Medieval remains given the location on the Gallowgate street frontage

2.3.2 A subsequent archaeological Evaluation (Figure 14; FIRAT 2006) found the greater part of the development area to be truncated by 19th century railway development with archaeological remains only found at peripheral areas of raised ground at the following locations:

Site 1 Remains (external and internal walls; pavement) relating to the 1795 Infantry Barracks (FIRAT 2006; Evaluation Trench 13);

Site 2 Remains (arch from a façade, walls & brick-built drain) relating to the 1795 Infantry Barracks (FIRAT 2006, Evaluation Trench 14);

Site 3 Remains (paving) relating to the 1795 Infantry Barracks and possible earlier brick-built structure (FIRAT 2006; Evaluation Trench 11);

Site 4 Structural remains and waster dump derived from the 18th century location of the Auld Pighoose Pottery together with possible later Infantry Barracks structural remains (FIRAT Evaluation 2006; Trench 7);

Site 5 Cinder filled pit - probably related to railways, but could be a waster pit (FIRAT Evaluation 2006; Trench 15);

Site 6 Re-deposited post medieval pottery (FIRAT 2006; Evaluation Trench 18).

3 OBJECTIVES

3.1 The objectives of the archaeological works were:

- i. the identification, excavation and recording of all significant archaeological material within the development area;
- ii. the retrieval of a representative artefact assemblage;
- iii. where possible, the safeguarding, *in situ*, of remains adjacent to Site 4 (The 18th century Auld Pighoose Pottery);
- iv. to make a general exterior and interior record of the remains of the Barrack's Wall through photographic and written survey;
- v. upon conclusion of the archaeological works, given significant archaeological findings with retained artefactual material and soil samples, the preparation of a post-excavation research design (*PERD*) to be agreed with Glasgow City Council as advised by WoSAS. This work will begin with an assessment stage of the potential of the materials (soil samples & all artefact categories) recovered from the excavation. This assessment stage being used to determine the scope and appropriateness of the post-excavation analyses to be employed to address issues arising from the excavation. The *PERD* will be pertinent to the quantity, quality, character, date and

condition of retrieved small finds and soil samples when considered against the series of research questions raised by the excavated features;

- vi. should the retrieved data set merit such work, the full post-excavation analysis and publication of results of the archaeological fieldwork.

4 METHODOLOGY

4.1 Historic Building Survey

- 4.1.1 A simple map regression was undertaken on the site using publicly accessible maps from the National Map Library of Scotland including all pre-Ordnance Survey maps and post National Grid maps. These are represented chronologically, where referenced in the text (Figures 2 - 13).
- 4.1.2 General and detailed photographs were taken of the wall in black and white print film using a 35mm single lens reflex camera with a 2m ranging pole for scale. A colour digital photographic record was also taken using a 35mm digital camera (Nikon D80) to a 10 mpxl resolution. A register of all those photographs taken can be found in Appendix 3 and a number of the digital photographs have been used to illustrate this report.
- 4.1.3 A written record of the wall was made on site using AOC *pro forma* building recording sheets with comment on condition, construction, architectural and historic features, structural features and any evidence for phasing or function.

4.2 Archaeological Evaluation and Watching Brief

- 4.2.1 All excavations were undertaken by an excavator utilising a bladed ditching bucket or narrow bladed bucket operating under the constant supervision of an experienced field archaeologist. The modern concrete slab, areas of tarmac and all modern foundations were removed using a toothed bucket in order to minimise delays.
- 4.2.2 When archaeology was encountered the features were cleaned by hand before being recorded by digital and Black & White photography, drawn to an appropriate scale and then a written record produced using AOC *pro forma* context recording sheets. Any artefacts found during the excavations were retrieved and labelled.
- 4.2.3 Where the development proposals would allow archaeological features were left to survive *in situ* and covered with terram and a layer of stone.

5 RESULTS

5.1 Introduction

- 5.1.1 All archaeological works were conducted between the 18th April and the 24th October 2011. Weather conditions were generally fair throughout the course of the work conducted meaning that archaeological visibility was good.
- 5.1.2 The various data gathered from the building survey, the evaluation and excavations are presented as a series of appendices:

- Appendix 1: Evaluation trench descriptions
- Appendix 2: Context Register;
- Appendix 3: Photographic Register;
- Appendix 4: Drawing Register;
- Appendix 5: Finds Register;
- Appendix 6: Samples Register;
- Appendix 7: reproduces the *Discovery and Excavation in Scotland* entry

- 5.1.3 For the purposes of the Watching Brief, the development area was divided into nine areas (see Figure 1) according to the topography of the site and the development proposals:

- SW – SW corner of the site
- WE – Western edge under the bund left relatively undisturbed by the railway activity
- CS – Central section where the main building structure is to be located
- EE – Eastern edge under the bund left relatively undisturbed by the railway activity
- ST – Southern railway tunnel
- ABT – the lower area between the embankments and the north and south tunnels
- NE – NE corner of site between the embankments
- NWE – NW embankment
- NEE – NE embankment

- 5.1.4 The depth of madeground across the site varied greatly with between 0.75m to 2.5m of anthropogenic deposits present throughout the site. Where natural subsoil deposits were revealed they consisted of orange sandy clay sitting on purple clay as well as light orange clays and mottled orange clays. Areas NE and ABT were written off early on due to modern activity having removed deposits below the level of the natural clays.

5.2 Historic Building Survey: The Barracks Boundary Wall

- 5.2.1 The Barracks wall consisted of a wall bounding the site to the east at Barrack Street and to the north and west at Hunter Street (before it moved into the adjacent Fire Station building) with a much later brick replacement to the southern extent at Gallowgate. The wall has now been largely demolished under archaeological supervision.
- 5.2.2 Starting at the south end of Barrack Street to the east, the wall consists of a stone rubble wall with dressed quoins to the south extent, which had been greatly truncated by the modern brick boundary wall to the south extent at Gallowgate (Plate 1). There is an obvious blocked doorway here which was blocked with a lighter pinkish beige sandstone (Plate 2). This stood in relative isolation to the south of the wall, although a closer inspection noted that there was a clear indication that the wall had been rebuilt in various places, most notably to the top three courses and also a patch in the centre indicating a possible rebuild of a collapsed section of the wall (Plate 3).
- 5.2.3 Given its age, it is highly probable that the wall underwent various phases of repair and rebuild. This is easily identified in the centre section of the wall, which consists of a much lighter beige stone rubble build (Plate 4). Here, there was a total of three doorways, all for pedestrian access, the centre doorway blocked with steel sheeting, the flanking doorways bricked-up (Plate 5). To the north of this was a large patch of cement repair. To the immediate north of the repair were the remains of a large modern steel-framed garage structure, the outer wall of which was rendered and painted white (Plate 6). Moving northwards from this garage was another darker area of stone rubble build which had a (probably original) blocked doorway set within it (Plates 7 & 8). It had dressed surround stones and lintel and was blocked with stone rubble; this stretch of wall had also been heavily re-mortared. To the north of this was a large knocked through

vehicular entrance, relating the use of this end of the site as a railway. With large surround stones of stone blocks, it had been bricked-up. To the north of this, the stone rubble wall continued, with evidence of repair and re-mortaring, although there was a distinct patch of rebuild to the northern extent of it (Plate 9). This was probably rebuilt after the introduction of the railway to the north-east end of the site, where a much lower wall was built with a flat cope. This wall also extended partially into the east side of the northern boundary of the site at Hunter Street and consisted of a dark red brick wall with sandstone piers and cope (Plate 10). The interior of this wall was available for inspection after much clearance of the site and revealed little more than had been seen to the exterior. The southern extent had remnants of the quoins, although it is clear that the modern brick wall had caused much damage here (Plate 11). The remainder of the wall was stone rubble as was seen to the exterior (Plate 12) and the bricked-up openings were visible located above the main South Tunnel, which had also been bricked-up at the position of the boundary wall (Plates 13 & 14).

- 5.2.4 The wall at Hunter Street consisted of the brick railway wall to the east side with a sandstone corner pier to the north-east (Plate 15). It meets up with a large sandstone block pier, clearly a rebuild, to the west side and the stone rubble wall – a much more beige colour than seen on the eastern extent – continues (Plates 16 & 17). As with the east wall, it shows signs of repair and rebuild (Plates 18 & 19). To the north-west corner, the rubble wall rose significantly in height and continued for a short distance to the west side (Plate 20). Internally, nothing more was revealed of the features within the wall. The rebuilt pier against the brick wall was clearly visible with its construction of chisel-dressed stone (Plate 21) and the north-west corner was exposed with comb-dressed stones to the east side and a clear rebuild to the top part of the wall (Plate 22).
- 5.2.5 The west boundary wall to Hunter Street was also constructed of various phases of stone rubble walling. To the north end was a large opening knocked through, associated with the railway phase of the site, now bricked-up (Plate 23). The partially snecked and chisel-dressed light beige stone rubble wall then continued until it met a clearly different phase of the wall in a much darker stone rubble build (Plates 24 & 25). This, however, was a small patch of a possible earlier build, with the light beige rubble wall continuing to the south (Plate 26). However, even this seemed to be a completely different phase of build than that seen to the north, with a much more regular coursing to the construction and more reddish colour to the stonework. It also contained a bricked-up doorway (Plate 27), again, probably an opening associated with and inserted during the railway phase. This reddish-beige build also abutted a return of the greyish stone rubble build as the wall extended beyond the limits of the development on this side to the south (Plates 28 & 29). Within this was a large patch of a possible inserted opening that had been crudely blocked with beige sandstone blocks (Plate 30).
- 5.2.6 Internally, the wall exposed a plain stone rubble build to the north, although it is clear that just to the south of the large bricked-up opening to the north side is a phase line indicating the blocking of an earlier opening or original extent of the wall here (Plate 31). The wall continued with many more patches of rebuild and repair to the internal side than the external, with even a small section of red brick build constructed over the wall in the centre (Plates 32-34). One strange feature was a small window with a smooth surround that looked to have been inserted (Plate 35). Further to the south, the phase lines seen to the exterior were clearly visible, as was the bricked-up doorway on this side (Plate 36).
- 5.2.7 The external side of the wall to the south was not possible to view as it was located in private land. However, it is clear looking at the interior of the wall within the development area that there were a number of features. It had clearly been heavily rebuilt with a brick wall constructed above it with additional brick buttresses to support it (Plate 37). The wall here contained a number of windows that had formed part of the later brick phase of build, although these had

been subsequently bricked-up (Plate 38). The south-west corner of the interior wall consisted of the remains of the former building which stood there, which was part of a later brick-built phase, with blocked windows and doorways (Plate 39). The exterior wall of this building was seen at the corner of Gallowgate, with a rendered façade (Plate 40).

- 5.2.8 The southern extent of the boundary wall at Gallowgate was a much later phase in red brick. Forming the remains of the building to the west, the wall was rendered, abutting a low brick wall to the main entrance (Plates 41 & 42). The wall then continued to form a low brick wall before another phase of red brick build with a large bricked-up vehicular entrance (Plate 43). To the east side the walls were set in panels over a concrete footing with a concrete cope (Plate 44). The interior of this wall identified no more features of note, being more crudely built than the exterior side (Plate 45).

5.3 Archaeological Evaluation

- 5.3.1 The evaluation consisted of three targeted trenches within the SW corner of the development site (Figure 1) to cover the locations of the main drainage trenches that would be excavated through the most sensitive archaeological area. Trench 1 revealed the top of a pottery waster pit [101] as well as an adjacent small pit [103] (Plate 46). Both features were encountered at a depth of 1.1m below the existing ground surface. Samples of the pottery from the waster pit (Find No.'s 1 and 2) were taken; however neither pit was excavated as the required depth for the drainage had been reached.



Plate 46 - Pits [101] and [103] in evaluation Trench 1

- 5.3.2 The excavation of Trenches 2 and 3 demonstrated the deep vertical truncation that had taken place across the site, to a depth of 2 m. No further features of archaeological significance were encountered within the other two trenches and no artefacts were identified within the made ground deposits.

5.4 Watching Brief

5.4.1 Introduction

5.4.1.1 As per the Written Scheme of Investigation (AOC 2011), and based on the results of the previous archaeological investigations (FIRAT 2003, 2006), all ground breaking works were monitored. This includes site clearance, service channels and the removal of foundations and walls.

5.4.2 SW Corner (SW)

5.4.2.1 Works within this area (Figure 1) consisted of removing all areas of hardstanding and the majority of modern foundations down to the required construction level for the service yard as well as the excavation of the new entrance, the stripping of an area affected by piling activity, and the excavation of a number of drain and service tracks required for the development.

5.4.2.2 During general reduction and excavations for piling activity the remains of a sandstone rubble courtyard [003], as well as a sandstone structure [060] were uncovered (Figure 22, Plate 47). The structure is believed to be the Barrack Canteen Cellar and consisted of sandstone walls [016], [017], [052] and [053], which formed the SW, NW, NE and SE walls respectively. The structure also consisted of the truncated remains of a sandstone flagstone floor [031]. Under the floor, a complex drainage network consisting of three drains [032], [054], and [056], was revealed and a possible red brick built well [058] was built into the flagstones (Plate 48). An entrance occurred in the SE wall, below the level of the courtyard (003). Several artefacts (Find No.'s 8, 9 and 29) were recovered from the demolition layers filling the structure.

5.4.2.3 Within service tracks and other ground reduction works more sandstone foundations relating to the Barracks were revealed (Plate 49). These consisted of truncated sandstone foundations [259], [260], [264], [266], [267], [269] and [279] as well as drains [029] and [265] which are all related to the Barrack structures in the SW corner on the 1st Edition Ordnance Survey (Figure 16). A number of these foundations were seen to cut into an earlier madeground deposit [261] indicating that the Barrack construction impacted upon the previous pottery works on site. No artefacts of any significance were found around these structural remains.



Plate 47 - Structure [060]. Canteen Cellar



Plate 48 - Well [058] in Canteen Cellar Floor



Plate 49 - Truncated Barrack structures in SW corner

5.4.2.4 During excavations for the new entrance, a brick tile floor [091] and sandstone walls [092] and [093] were revealed next to a truncated square-shaped brick feature and possible chimney base [094] (Figure 25 and Plate 50). The structures were interpreted as the NW corner of the 1722 'Pighoose' pottery building, given the location of the structure in relation to the later 18th Century maps (see Figures 17 and 19) and due to the artefactual evidence from the deposit [141] under the tile floor. These included pottery shards, brass objects and most significantly a George III copper coin dating to 1775 (Find No. 61). Further excavation of the entrance area also revealed two waster pits, [088] and [178] (Figure 17) containing abundant fragments of red earthenware jugs (George Haggarty pers comm.). The second of these two pits, [178] was identified under both the tile floor and make-up deposits of the pottery building, so would have related to an earlier phase of the pottery works (Figure 25).



Plate 50 - 'Pighoose' Pottery Building and possible Chimney [094]

5.4.2.5 The final phase of works within this area involved the excavation of a number of linear trenches for drainage, services and the new boundary wall. Within one of the drainage trenches the bottom half of a circular brick built flue [280] was revealed in section running approximately E-W away from where the possible kiln [171] was revealed under the new building foundations (Figure 17). A further section of this flue, recorded as feature [293], was located to the SW and showed a much greater level of survival in this area (Figure 17; Plate 51 & 52). To the north of the flue line, brick surface [283] abutting a sandstone wall [282] was also revealed along with a small section of brick wall [284] (Figure 27 and Plate 53). A black sooty deposit covered the surface [283] suggesting it may be the floor of an industrial structure such as a kiln or chimney.



Plate 51 – Part of Flue [293] running West from kiln [171]



Plate 52 - Internal view of flue [293]



Plate 53 – Surface (283) and wall (284)

5.4.3 *Western Edge (WE)*

5.4.3.1 This area consisted of a narrow bund (approximately 2-3m wide) that ran along the western boundary wall of the development site (Figure 1). The bund was made up of 0.12m of dark brown silty clay topsoil on top of a sandy demolition deposit covering several layers of made ground relating to the Barracks and previous use of the site. Excavations in this area were conducted to the base of the Barrack wall [027] with several small features being revealed.

5.4.3.2 A small section of a fragmented brick wall [194] and part of a brick surface [183] were revealed at the southern end of the bund (Plate 54 and Figure 17a). These structural remains had clearly been truncated by the Barracks wall construction cut [192] and therefore relate to one of the buildings that was in place along the western edge of the site prior to the Barracks construction. These fragmentary remains were built on to the underlying made ground [188], [189], [190] and [191], as were the Barrack wall foundations [027] suggesting that there may be preserved remains of earlier activity below this level.



Plate 54 - Deposits under wall (194) and surface (183)

5.4.3.3 The fragmentary remains of an unroofed structure (Plate 55) relating to the Barracks were revealed abutting wall [027]. The SW wall [198] had been truncated by modern activity but the NE wall [201] still survived with a small area of whinstone cobbling [203] present around the top of the wall remains. To the immediate north of this, there is a blocked up hole [223] in wall [027] level with cobbling [203] that is possibly a drain relating to the Barrack Urinal marked on the 1st Edition Ordnance Survey (Figure 8).



Plate 55 - Unroofed Barrack structure with wall (201) in the background

5.4.3.4 At the far north end of the bund, a brick structure [239] with associated sandstone flagstone flooring (237) was revealed (Figure 26; Plate 56). This feature had previously been discovered by the FIRAT evaluation and is denoted as Site 3 in Trench 11). These features were located underneath the whinstone cobbling [228] relating to the Barracks, demonstrating their earlier date. The brick structure is U-shaped with the E face open to reveal a slate base [242]. Ashy deposit [241] and soot/coal dust deposit [240] sit within the structure suggesting it may have been a kiln or other industrial feature. The northern edge of a possible pit [235], truncated to the east by modern activity, is covered by the madeground around this structure suggesting an even earlier use of the site. To the south of feature [239], and possibly contemporary with it, were the remains of a possible brick flue [224] running NE-SW and truncated by Barrack wall [027] at its SW end (Plate 57). The deposit (225) that fills flue [224] is very similar to deposit (240) within feature [239].



Plate 56 - Feature [239] first revealed in FIRAT evaluation



Plate 57 - Flue [224] related to feature [239]

5.4.4 Central Section (CS)

5.4.4.1 Being in the centre of the site, this area had previously been truncated by a number of modern foundations and services dating from the railway activity to the present day. As such features were only recorded in the south west corner and the western edge where greater depths of made ground are present. Works within this area consisted of removing all areas of hardstanding and all modern foundations that were located in areas to be affected by piling activity, as well as the excavation of the new development's foundations.

5.4.4.2 During the excavations for piling activity a large section of the western Soldiers Barracks was revealed (Plate 58), consisting of the NW wall [043], the SW wall [044] and the SE wall [047] (Figure 21). The walls were constructed of large sandstone blocks and were over 2m wide. Two rubble drains [045] and [049] were revealed that were related to the Barracks structure. Nothing above foundation levels had survived the modern activity in this area. To the north of these structures, and under the Barrack courtyard [003], a deposit containing an abundance of cow horn cores [051] was revealed within an undefined pit.



Plate 58 – Outer wall [047] of Soldiers Barracks

5.4.4.3 To the south of the Barracks structure, and under its associated courtyard [003], the truncated remains of a brick flue [039] and a pottery waster pit [033] were revealed (Figure 17). The north to south aligned flue (Plate 59) had been truncated at its northern end by the levelling of the site for the Barracks courtyard [003] and the walls of the Soldiers Barracks. Only the bottom half of what would have been a circular flue survived. To the immediate east of the flue, the western half of a pottery waster pit [033] was revealed and excavated (Plate 60). The pit would have originally been a clay extraction pit for use in the pottery works and was later backfilled by demolition material and waste material from the kilns. An abundant amount of red earthenware jug fragments were collected from the pit deposits (Find No.'s 15, 17-19) (George Haggarty pers comm).



Plate 59 – Remains of Flue [039]



Plate 60 - Section showing courtyard [003] covering waster pit [033]

5.4.4.4 During the store's foundation excavations a number of features were identified underlying the features and structures associated with the Barracks and so pre-dating them. The southern edge of a large pit [135] of unknown use containing deposits of sandy rubble [137] and a sandy clay deposit [138] were revealed in the section of one of the foundation bases along the western edge of the building. Further to the south, another brick flue [172] (possibly the same as [039]) was revealed in two of the bases along with a truncated sandstone wall [161] (Plate 61). This flue continued to the SW corner foundation where the edge of a possible circular brick kiln [171] was also revealed (Figure 17; Plate 62). All of these features would have related to the 'Pighoose' pottery and were able to be preserved *in situ* under the new foundations.



Plate 61 - Sandstone wall [161] and flue [172] in foundation base



Plate 62 - Flue [172] and edge of kiln [171] in another foundation base

5.4.4.5. Finally, excavations of a storm drain along the front of the site revealed a brick feature [288] in section that could be interpreted as the opening for a kiln or furnace (Plate 63 and Figure 17). The opening faced north and had a black ashy deposit (290) to the north and west.



Plate 63 - Opening for possible kiln [288]

5.4.5 Eastern Edge (EE)

5.4.5.1 This area of development site was highlighted during the FIRAT evaluation as having the potential to contain a number of upstanding Barrack structures within an earth bund created when the railway took over the site (FIRAT 2006, AOC 2011). The bund consisted of approximately 0.1m of dark brown soil and vegetation on top of a sandy demolition deposit ranging from 0.1m to 1.6m thick. Works within this area consisted of removing the bund and any subsequent structure through an archaeological excavation, down to the required construction level.

5.4.5.2 Underneath the bund the remains of four sandstone structures were revealed that abutt the main boundary wall of the Barracks [147], and relate to structures noted on the 1st Edition Ordnance Survey (Figure 8). Structure [065], measured 9.8m by 5.7m and consisted of a basement level and an upper level bounded by walls [066] to the west and [084] to the north (Plate 64 and Figure 24). The basement level had a sandstone flagstone floor [070] leading to an arched recess [067] at the north end of the structure (This arch had previously been

discovered by the FIRAT evaluation and was denoted as Site 2 within Trench 14; FIRAT 2006). The south end contains a probable stairwell [072] leading to the upper level supported by wall (068). The upper level floor had been truncated and removed with only the drainage that would have been under the floor surviving. These small brick lined drains, [075], [080], [082], and [083] ran at various angles to drain away from the boundary wall [147]. The fill of the drains [076] and [081] contained a number of artefacts such as clay pipe stems and bowls, and a number of ceramic and brass buttons relating to soldiers activity on the upper level.



Plate 64 - General view of Structure [065]

5.4.5.3 Structure [104] measures 8m by 3m and occurs 3m north of Structure [065] (Plate 65 and Figure 24). It consists of sandstone foundations [105], [106], and [107] with some internal sandstone buttresses, [254], [255], and [256]. A possible remnant of a brick floor survives in the form of deposit [108], but it appears as though the floor level of the structure has been removed by later works. Any floor that would have been within the structure would have sat on a mortar bed [257] which was supported by a layer of re-deposited clay sitting on the old ground surface [249]. The structure would have been drained by drain [103] that runs SW from wall [105] into sewer [077] (The sewer had also previously been discovered by the FIRAT evaluation and denoted as Site 2 in Trench 14). No artefacts relating to this structure were found.



Plate 65 - General view of Structure [104]

5.4.5.4 Structure [116] was expected to be the Barrack Armoury, however it would appear that this has been demolished so that only the foundations and drainage underneath the floor have survived (Plate 66 and Figure 24). The structure is loosely defined as the area between the north end of stairwell [120] and the end of wall [124] to the south. Sandstone wall [118] forms the western boundary and whinstone cobbled surface/gully [119] may have formed part of the floor within the structure. It is possible that the Armoury would have been accessed via the flagstone surface [123] and then by stairwell [120]. The madeground below the floor levels was similar to that of Structure [104], with stairwell [120] being constructed into the original ground surface [149].



Plate 66 - General view of Structure [116]

5.4.5.5 To the north of Structure [116], the eastern wall of the eastern Barrack block [121] survives and can be seen to act as a retaining wall for the cobbled surfaces [125] and [129] that form a path around the eastern expanse of the Barrack block (previously discovered by the FIRAT evaluation and was denoted as Site 1 within Trench 13; 2006). The cobbles are irregularly sized whinstone cobbles with the easternmost setts abutting wall [147] laid to form a shallow v-shaped gully running north to south (Plate 67). The cobbles cover an extensive drainage network consisting of main drain [131] that is fed by smaller drains [244], and [247] and gully pot [246].



Plate 67 - Wall [121] and cobbles [125] and [129]

5.4.5.6 Between Structure [065] and Structure [104], the remains of a large brick arched drain/sewer [077] survived running south-east through the boundary wall [147], most likely connecting to the main sewer out on Barrack Street (Plate 68 and Figure 24). The drain cross-section is an inverted egg shape measuring 0.8m horizontally and 0.93m vertically. The top of the drain is covered by walls [085] and [113]. All drainage from under Structures 2 and 3 would probably have connected to sewer [077] by a series of drains and gully pots running north to south starting with brick arched drain [131] (Plate 69). This main drain runs into gully pot [112] which then feeds into drain [109] which is truncated by the railway activity at its SW end. This series of drains provided a number of artefacts (Find No.'s 68-74) such as clay pipe stems and bowls, brass buttons, ceramics, metal objects and glass that would relate to the use of the pathways and structures at the time of the Barracks.



Plate 68 - Sewer [077] next to Structure [065]



Plate 69 – One of the drainage pots under the cobbles

5.4.6 Southern Tunnel (ST)

5.4.6.1 During the demolition of the tunnel, structures were noticed by the workmen. Upon investigation it was possible to make out four sets of linear and L-shaped foundations running perpendicular to the tunnel wall [022], [023], [024] and [026], and one fully upstanding brick wall (1.12m high) with an associated sand pit behind it [025] (Figure 15; Plate 70). Several artefacts (Find No.'s 10, 13 and 14) were also located in and around the area, including a target board (Plate 71), an "Ambulance Box", an oil lamp, and a number of perforated metal plates. These foundations and

artefacts all relate to a previously unrecorded World War II rifle range created within the disused tunnel.



Plate 70 - Rifle range wall [025]



Plate 71 - Target Board from WWII rifle range

5.4.7 *NW Embankment (NWE)*

5.4.7.1 This embankment covered an approximate area of 1250m² and consisted of areas of hardstanding as well as the foundations of modern buildings abutting the western boundary wall. During initial excavations it was clear that the only part of the embankment where archaeology could have survived was a small triangular area between the North tunnel and the North boundary wall.

5.4.7.2 During the ground reduction works, a small sandstone feature [061] along with the remnants of a sandstone flagstone surface or path [062] was revealed (Figure 16; Plate 72). The sandstone feature was upstanding to 0.45m and had a circular hole (0.12m diameter) cut into the top,. A possible flagpole base, it is likely this feature related to the Barracks, being situated on the highest point of the site, to the north of the barrack prison and next to the barrack store room.



Plate 72 - Possible sandstone flagpole holder [061]

5.4.8 NE Embankment (NEE)

5.4.8.1 This embankment covered an approximate area of 806m² and consisted of an area of hardstanding to the immediate north of a large brick building dating to the beginning of the railway activity on site. The embankment was retained by a sandstone wall to the north of the building. Excavations revealed the most northerly part of the Soldiers Barracks block; the Privy, as well as the walls and floor of an unroofed structure also relating to the Barracks (Figure 23).

5.4.8.2 The soldiers Barracks Privy [207] survived the construction of the railway building as it was constructed into the clay at a depth of 3.2m. Only seen in section (Plate 73), it consisted of two sandstone walls [208] and [209], and an irregular sandstone floor [211] contained within the construction cut [219]. The primary fill of the structure, deposit [210] contained numerous ceramic, glass and metal objects (Find No.'s 90-101, 120) typical of material that might be found in a barracks. That said, a Scottish Cream Ware sherd dating to the mid 18th century was found, and is a piece of high status pottery more likely to be found within a wealthy town house (George Haggarty pers comm.).



Plate 73 - Soldiers Barracks Privy [207]

5.4.8.3 The unroofed structure was located under the hardstanding to the north of the railway building and consisted of two sandstone walls [221] and [222] forming the north and west boundaries respectively, along with wall [147] forming the eastern boundary of the structure (Plate 74). A

cobbled surface [220] was contained within the walls, but no indication of function for the structure could be interpreted and no artefacts were found.



Plate 74 - Walls [221], [222] and cobbles [220]

6 DISCUSSION

- 6.1 The archaeological works completed at 239 Gallowgate have exceeded the expectations stated in the Written Scheme of Investigation (AOC 2011), demonstrating both the extent of survival of the 'Pighoose' Pottery and the 18th century Barracks, but also the location of a previously unknown relic from World War II. The works have provided a comprehensive record into the use and development of the site from the 18th Century to the Second World War. That the works failed to identify any earlier remains is unsurprising due to the amount of truncation caused across site by the activity from the 18th century onwards, and due to the mitigation put in place to protect the SW corner of the site.

6.2 World War II Rifle Range

- 6.2.1 The previously unknown Rifle Range, comprising a series of foundations and an upstanding wall with associated sand pit, were identified in the south railway tunnel (Figure 15). Being hidden within a railway yard close to the city centre the location of the rifle range would have allowed for the local home guard to have target practice in the city without having to worry about stray bullets. Given the somewhat loose spread of shots on the target board found within the tunnel it was good to know that some form of practice was being conducted (see Plate 71).
- 6.2.2 The unexpected discovery highlights both the resourcefulness of the military during times of war, but also the value of current archaeological investigations.
- 6.2.3 These remains were removed by the development works.

6.3 Military Barracks

- 6.3.1 Well documented on the 1st Edition Ordnance Survey (Figure 8) and on previous plans and maps of the area, the archaeological Watching brief allowed the opportunity to further investigate the survival of subsurface remains. The Infantry Barracks structures were easily identifiable when they were uncovered (Figure 16). Only the foundations remained of the soldiers Barracks and most of the other buildings, however subterranean elements of some of

the structures survived in better condition. For example, the Canteen cellar along the western wall and the Soldiers Privy associated with the eastern Barracks block allowed an enhanced insight into the construction of the Barrack structures. From the evidence obtained it was noted that the floor levels of structures were created using sandstone flagstones, all the walls were of sandstone blocks, extensive drainage was put in throughout the Barracks and under all floors and the courtyard. The courtyard itself was created on an artificially levelled surface and made from sandstone rubble as a means of hardstanding (Plate 60). Pathways leading up the sides of the Barracks were made using whinstone cobbling, and there was even a flagpole erected to the rear of the site.

- 6.3.3 The later 20th century has witnessed a growing concern with the preservation of artefacts associated with the fading recent past, beginning with the Victorian area (Palmer & Neaverson 1998, 143). Unfortunately this is still not completely reflected throughout the archaeological world. As would have been expected from a military site the artefactual material related to the life of the soldiers. Most of the material was found within the drainage channels along the eastern edge and a large amount of pottery and other artefacts was taken from the base of the Soldiers Privy. The majority of finds were of white ceramics, glazed earthenware, clay pipe stems and sherds of bottle glass, however several brass buttons from military clothing were found, a brass seal, some whole jugs and bottles, as well as the stem of a wine glass and part of an 18th century Scottish Cream Ware plate. These last two finds represent a more refined life than the rest of the artefactual evidence suggesting that the officers may have enjoyed more of a well-appointed existence.
- 6.3.4 The recent development works have necessitated the removal of the majority of the Barrack's remains identified by the watching brief, and it is very likely little in the way of meaningful archaeological evidence will now survive.

6.4 Pighouse Pottery and other Pre-Barrack features

- 6.4.1 Early cartographic evidence of the east end of Glasgow was able to provide only limited insight into the location of structures on site prior to the Infantry Barracks construction. However excavations along the western edge, the south west corner, and the central section revealed remains of pre-barrack structures and small finds (Figure 17 & 17a).
- 6.4.2 Analysis of the historical records suggests the structures aligned along the western edge of "The Butts" were tenant houses leased to Robert McNair and several families of weavers (FIRAT 2003, 54). Though no industrial uses have been recorded for any of these structures, the shape of the buildings suggested to the previous excavator that at least one kiln may have existed there (FIRAT 2003, 10). The evidence from the watching brief demonstrates that these structures did have early industrial uses relating to tanning and other activities requiring the use of a probable flue and chimney system rather than a kiln.
- 6.4.3 The presence of deposit [051] within a pit outwith the pottery works or 'Brickfields' boundary represented on the 1792 *Feu Plan* (Figure 18) suggests the use of the area for tanning, or for the disposal of tanning waste material. With clay extraction taking place throughout the site, tenants may have provided refuse disposal services for other local industries. Furthermore, the post-medieval flue system [224] (dated approximately by the irregularly sized bricks used in construction) and the relatively close chimney [239] also infers activities other than domestic or weaving. These features are of an Industrial nature implying that small scale industry was probably taking place within domestic settings.
- 6.4.4 Cartographic evidence records the 'Pighouse' pottery as a single building with no detail provided as to the location of the pottery kilns or associated chimneys (Figure 19). Though a

piecemeal investigation by the nature of the methodology, the watching brief was able to provide a composite plan of the features identified, allowing for a more comprehensive plan of the works, and a better understanding of the layout of the latest phase of the pottery (Figures 17 & 25).

- 6.4.5 The work identified the north-west corner of the 1722 pottery building identified by earlier works (FIRAT 2003, 47) comprising a work area and associated machine bases [099]. To the immediate north of the building, and seriously denuded by the location of a modern sewer, a single possible chimney base [094] was identified and excavated (George Haggerty pers comm). Two other features thought to represent the remnants of kilns ([171] and [288]) were identified to the north. If correct, the kilns were aligned running south-east between feature [171] and feature [288]. The layout of the potteries kilns may resemble that of the Barrowfield pottery works on a much smaller scale (Figure 20).
- 6.4.6 Analogy with other large industrial sites suggests that such sites could not have operated without a network of flues and chimneys (see Cook 2010). Again, although much truncated, at least five sections of flues were identified and partially excavated (Figure 17). Experience from other excavations suggests that despite varying orientations and construction, that these flues are usually interconnected. In fact, it is possible that these five sections are connected, linking from [039] in the north and running south before curving west at [174] to become [280] and then [293] (Figure 17). If this is the case it could indicate two possibilities for the location of the pottery chimneys: the SW corner where they may have survived modern developments; or an area within the 'brickfields' (see Figure 18), part of which could be formed by wall [161]. Early maps (Figure 19) show the presence of two pre-Barrack buildings in the SW corner of site, and given the little information known about their function, these two buildings may be related to the pottery works and perhaps housed the chimney structure or kiln. Again it is also possible that the section of flue running SW (between [174] and [239]) may link into the building remains [282] and [283], however much of any discussion based on the available evidence must remain as speculative given the imperfect data set.
- 6.4.7 Although no structural evidence was actually identified for the early pottery (pre-1722), the cartographic and archaeological evidence suggest that the works were probably confined to the southern part of the site. The presence of 'Brickfields' as recorded on the Feu plan 1792 (Figure 18) denotes an area of the site where clay extraction and dumping of waste material took place. This was confirmed by the identification and excavation of the waster pits [088] and [178]. Considering there is only natural clay further east of these pits it would be prudent to theorise that the early phases are to the west. The earliest maps also indicate this to be the case as all early development is in this area (Figure 19). The analysis of the material recovered from the waster pits should further elucidate this suggestion.
- 6.4.8 As indicated by the FIRAT evaluation in 2003, the pottery works survived later developments within the SW corner of site due to 2m of made ground covering the area. Where associated building remains were encountered by the watching brief, the surviving structures (flues & building) were all found demolished to foundation level.

7 CONCLUSION AND RECOMENDATIONS

- 7.1 The majority of the 'Pighoose' pottery kiln and flue remains have been preserved *in situ* by the development (Figure 28). The provisional results of the excavation of the associated remains by the watching brief, has to a limited extent, allowed for a greater understanding of the layout of the pottery works.

- 7.2 Furthermore, the archaeological works confirmed the survival of parts of the 18th century military barracks, giving an insight into the architectural nature of the barracks as well as the material culture of the soldiers from the 18th century. These 18th century barrack structures, along with the WWII rifle range, were unable to be preserved and were removed after consultation with WoSAS.
- 7.3 Future development within the SW corner of the development site is likely to have a detrimental effect on the surviving 'Pighoose' pottery work structures. The new ground level on site has been reduced to a point that any further works make them susceptible to greater threat from development.
- 7.4 This DSR report is both preliminary and provisional, with many issues raised by the excavation data still to be addressed. In ascertaining a fuller knowledge of the excavation results, a post-excavation research design will be prepared for approval by the planning authority's archaeological advisor.

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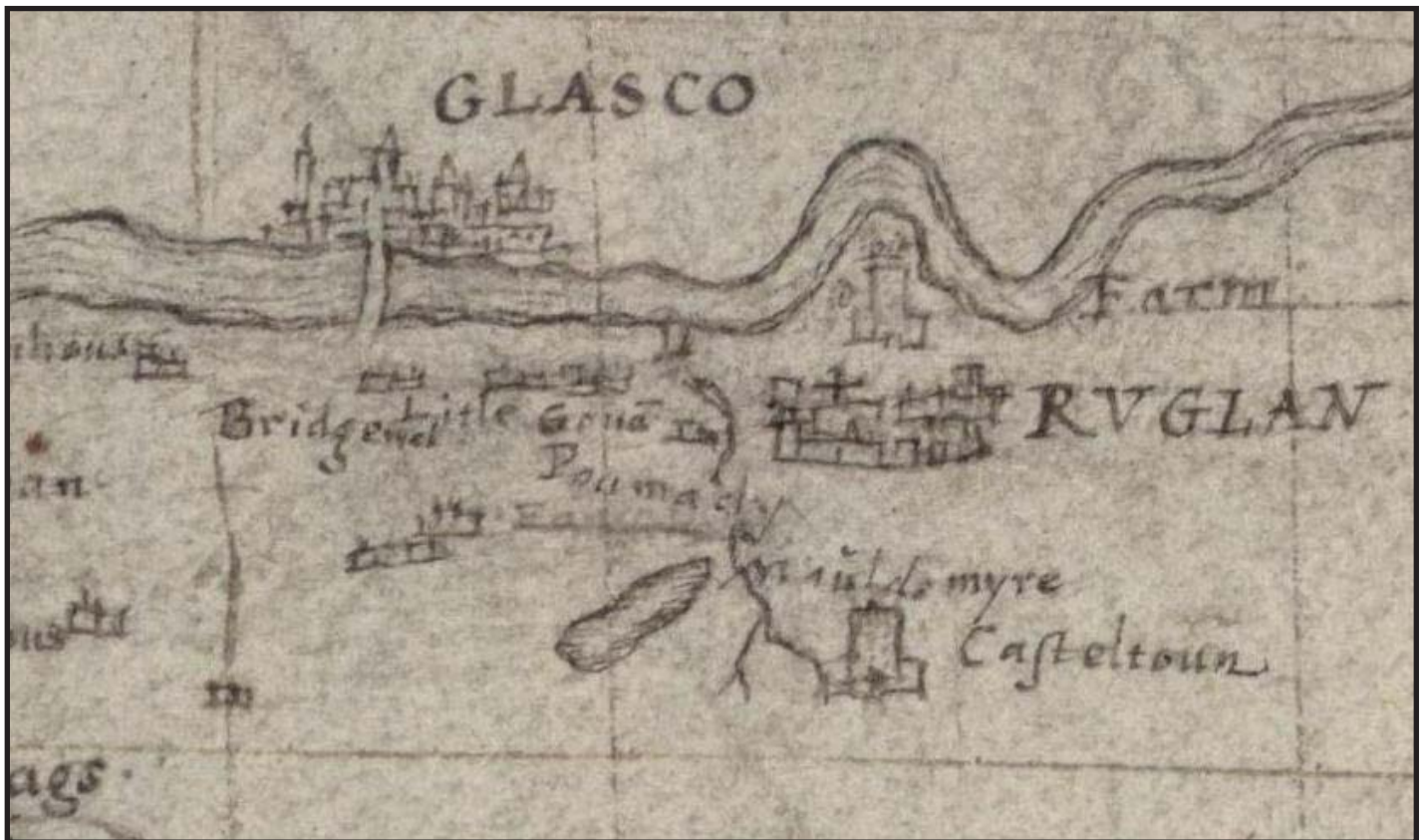
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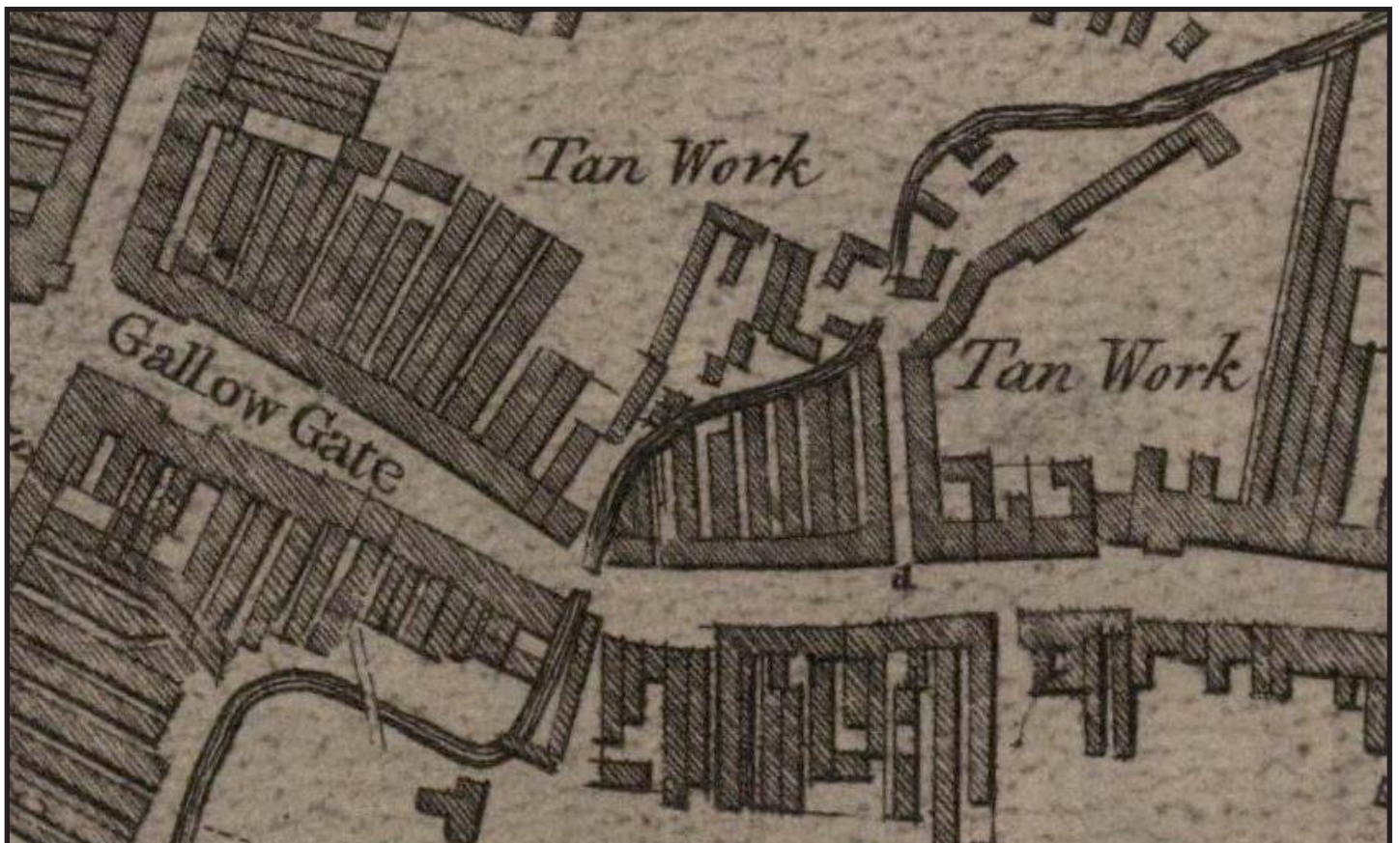


Figure 1: Site Location and watching brief areas



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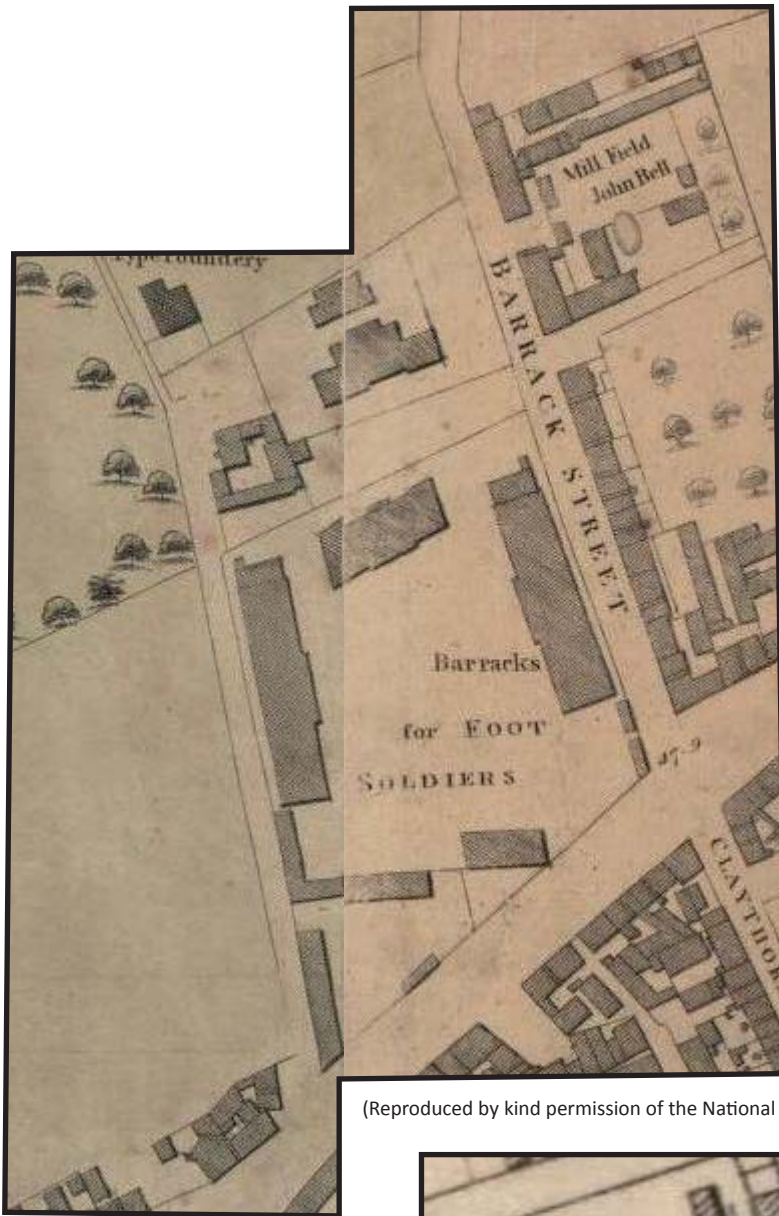
Figure 2: Extract from Pont's map, ca. 1580 - 1610



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Figure 3: Extract from Ross's map, 1773

Figure 4: Extract from Fleming's map, 1817

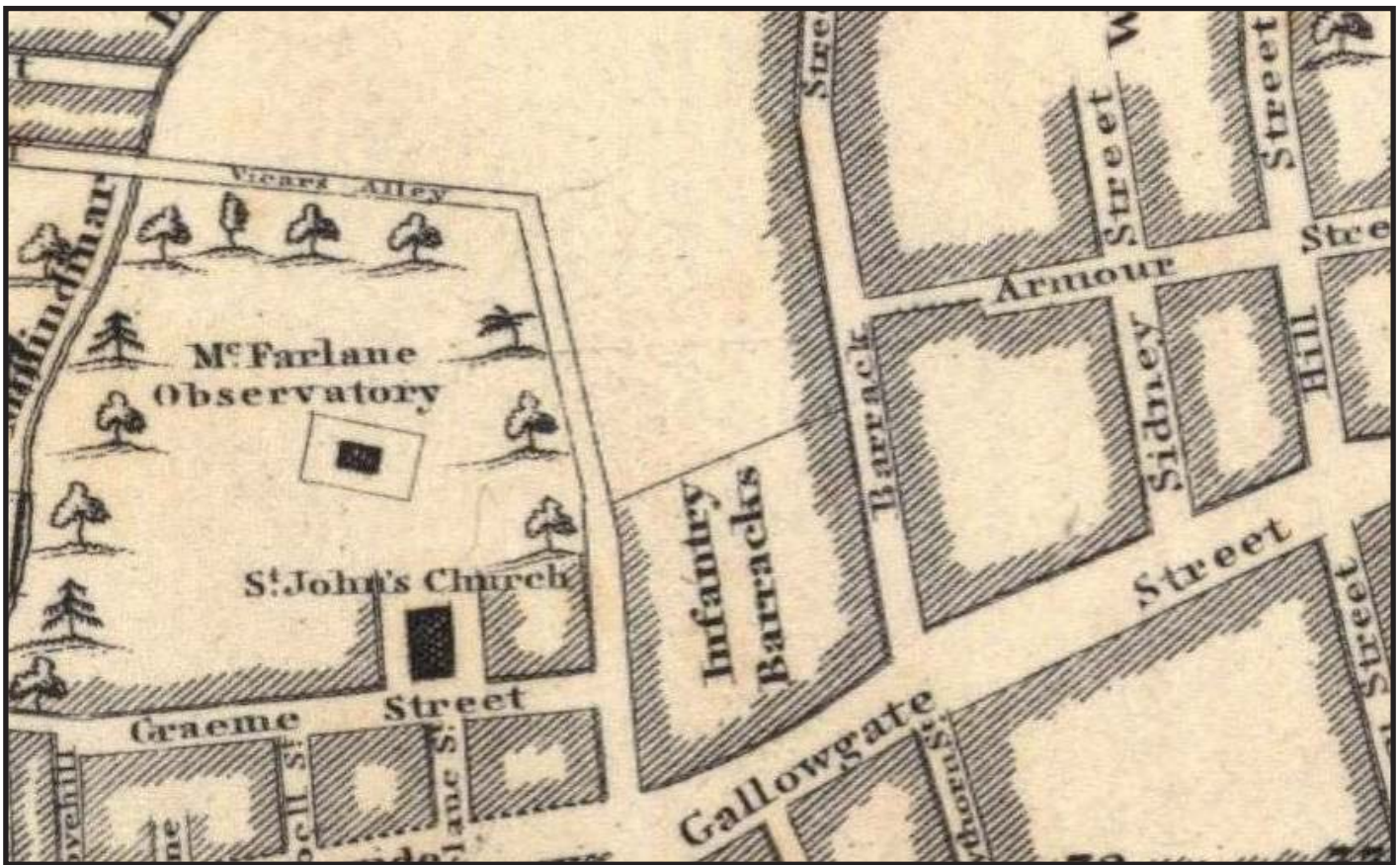


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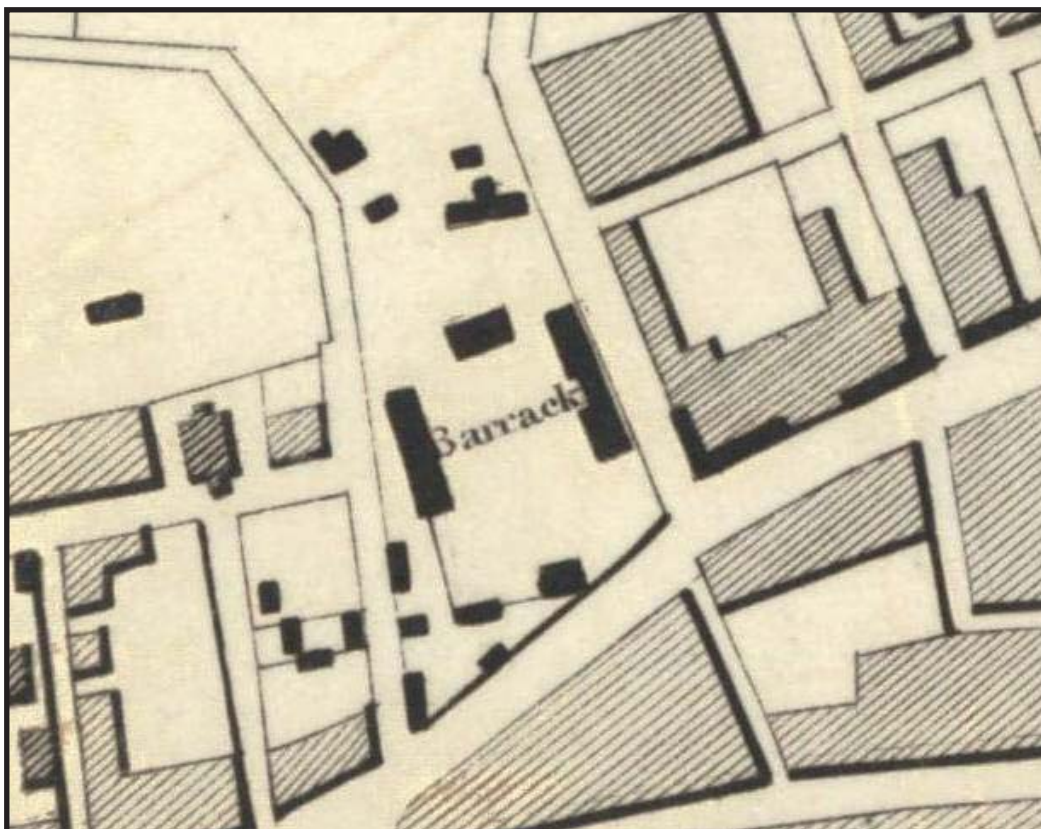
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Figure 5: Extract from Thomson & Johnson's map, 1820



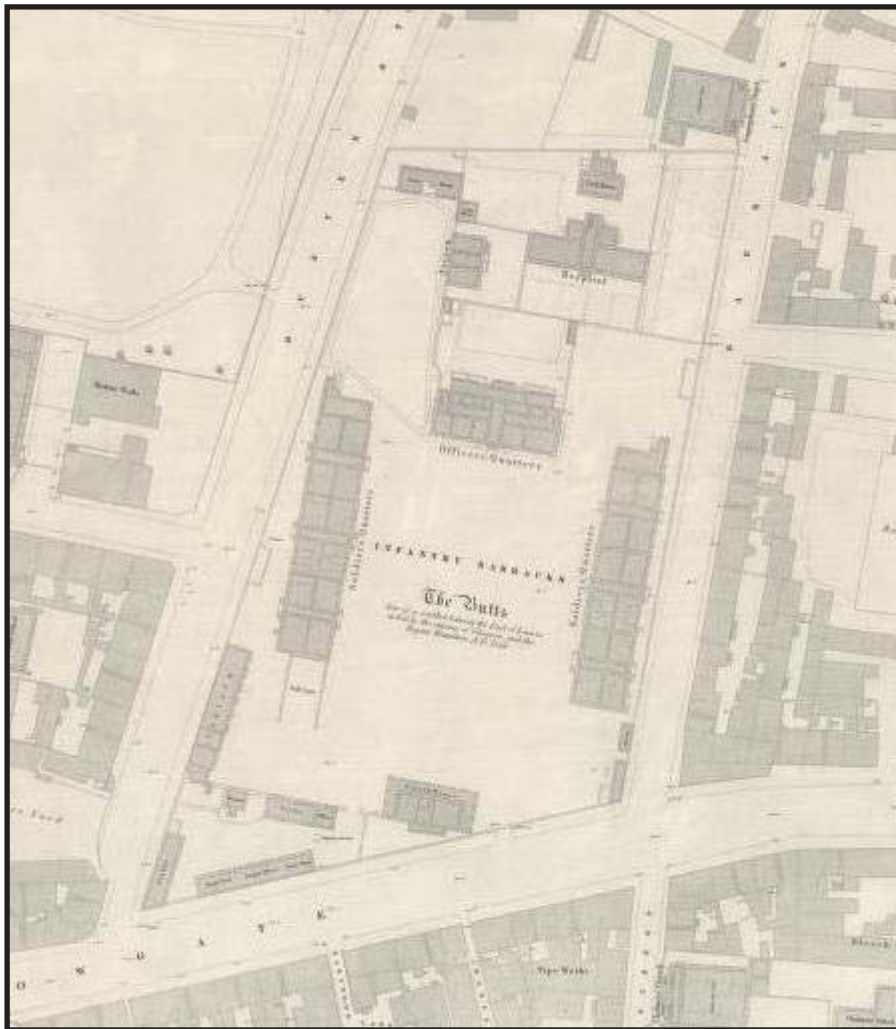
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Figure 6: Extract from Smith, Cleland & Wood's map, 1822



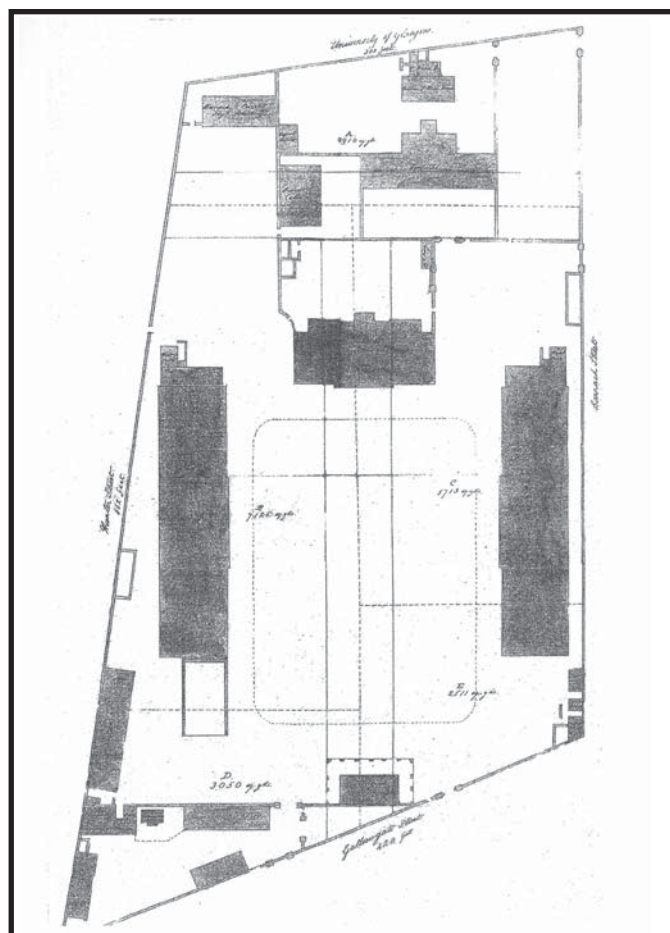
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Figure 7: Extract from the Great Reform Act Plan, 1832



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Figure 8: Extract from Ordnance Survey map, 1856

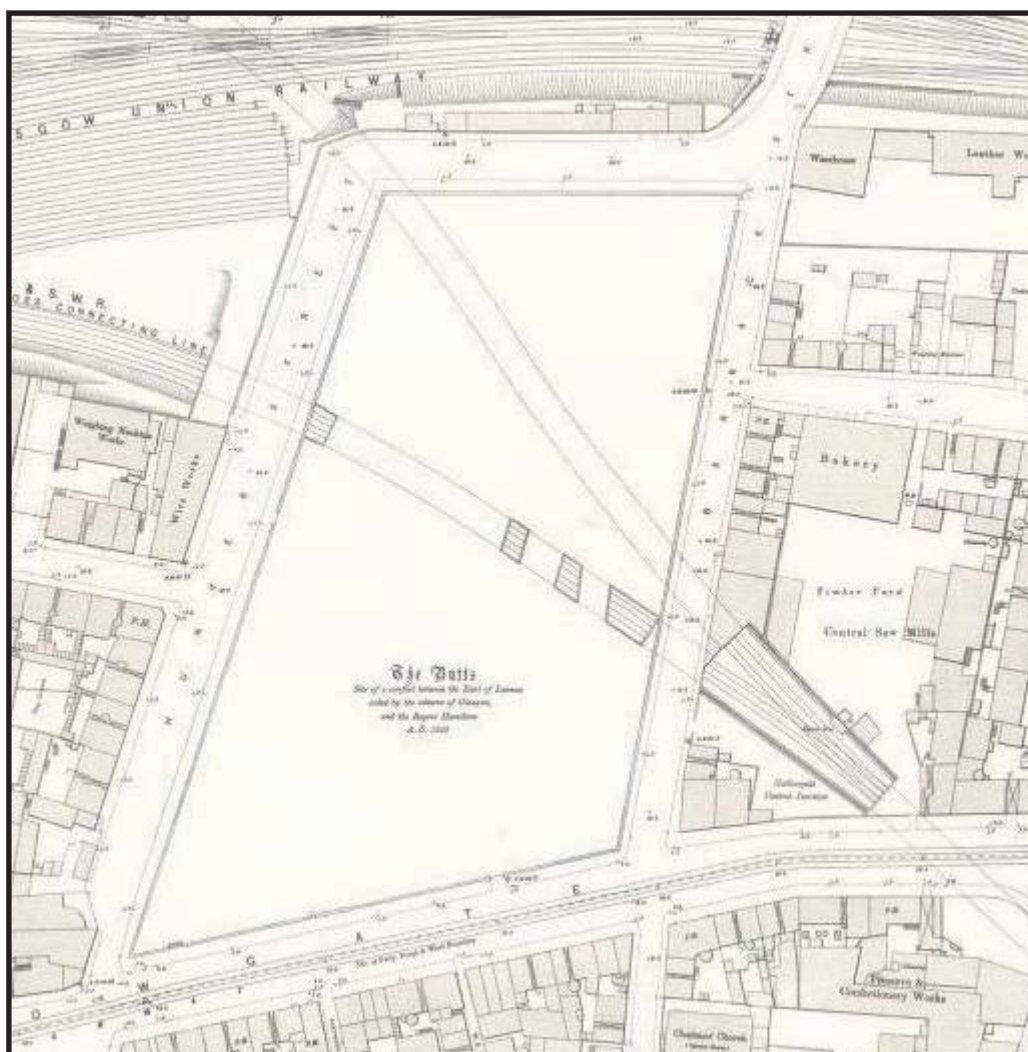


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Figure 9: Feu plan of the barracks, 1857



Figure 10: Etching of Barrack Street, ca. 1885



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Figure 11: Extract from Ordnance Survey map, 1894



Figure 12: Extract from Ordnance Survey map, 1913

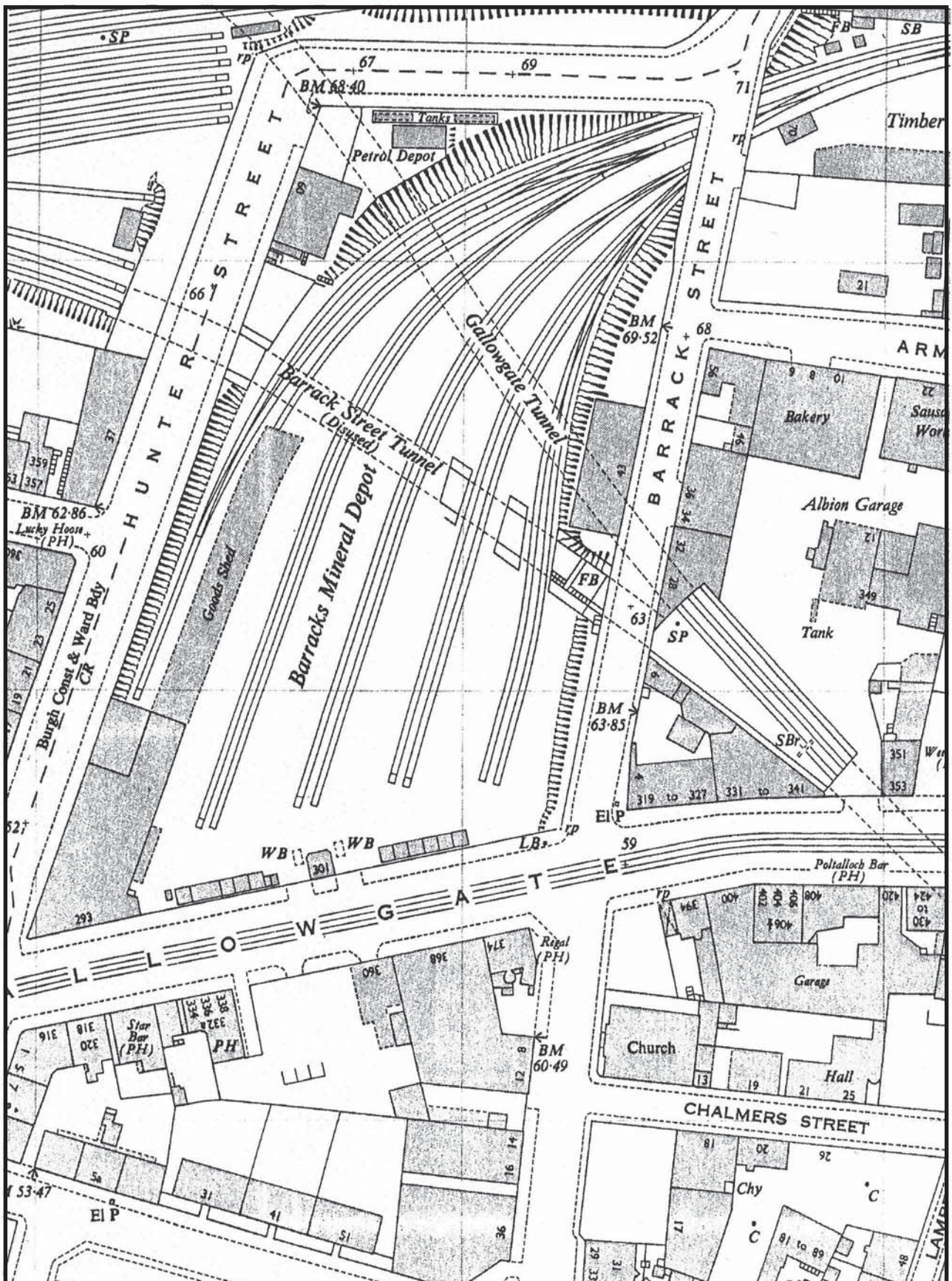


Figure 13: Extract from Ordnance Survey map, 1951

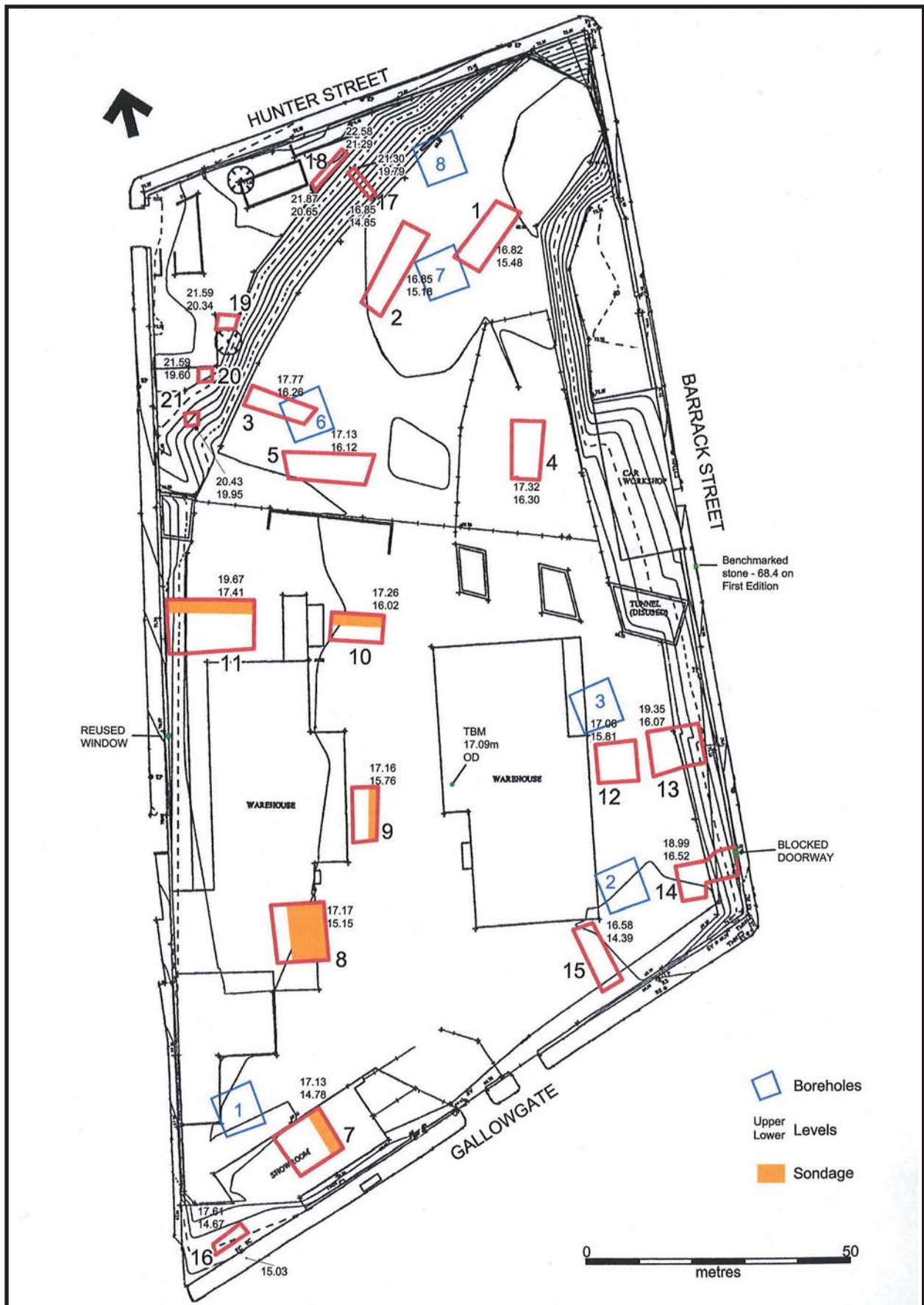
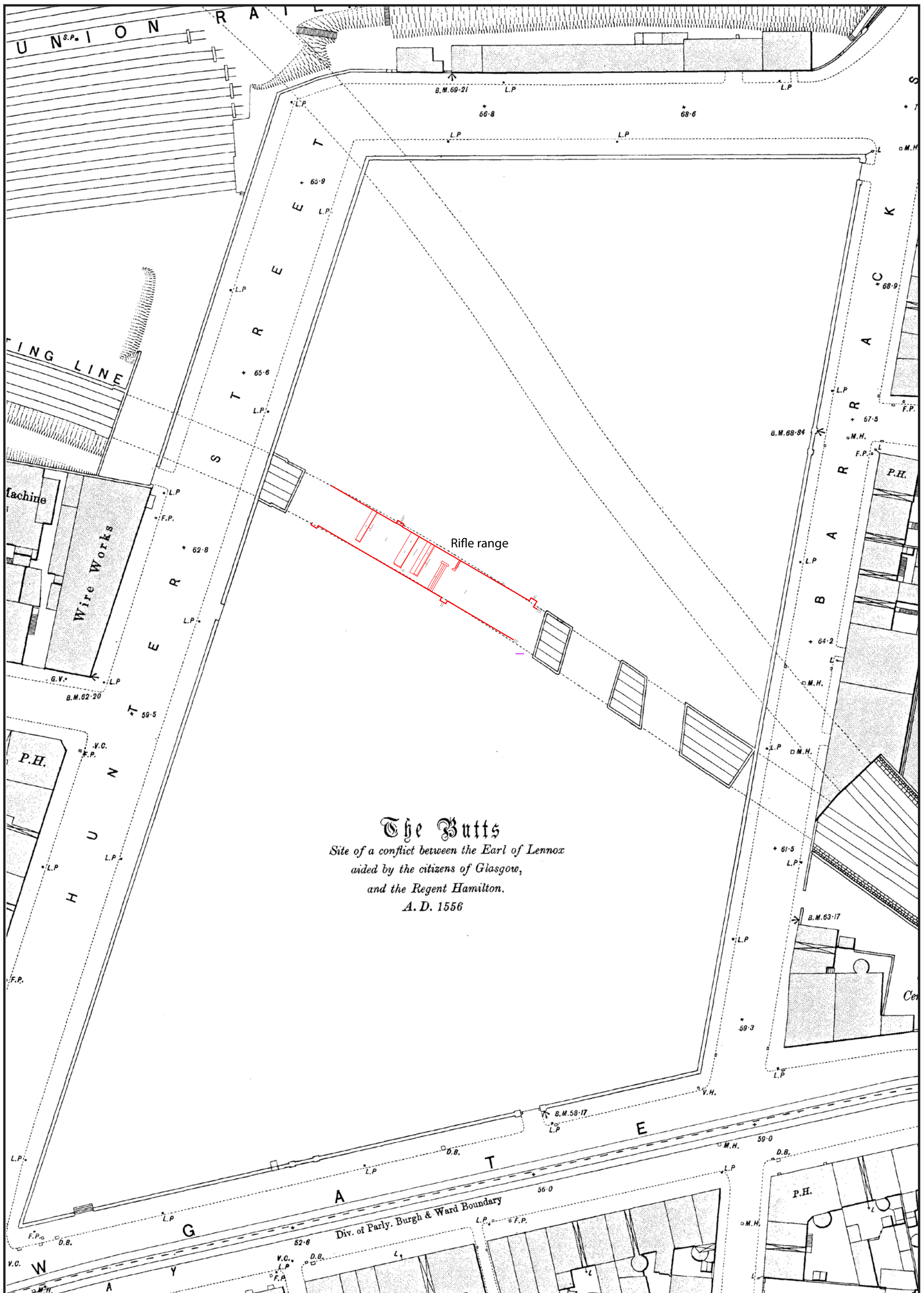


Figure 14: First site plan showing evaluation trench locations, 2003



0m 50m

Figure 15: Rifle range plan in tunnel

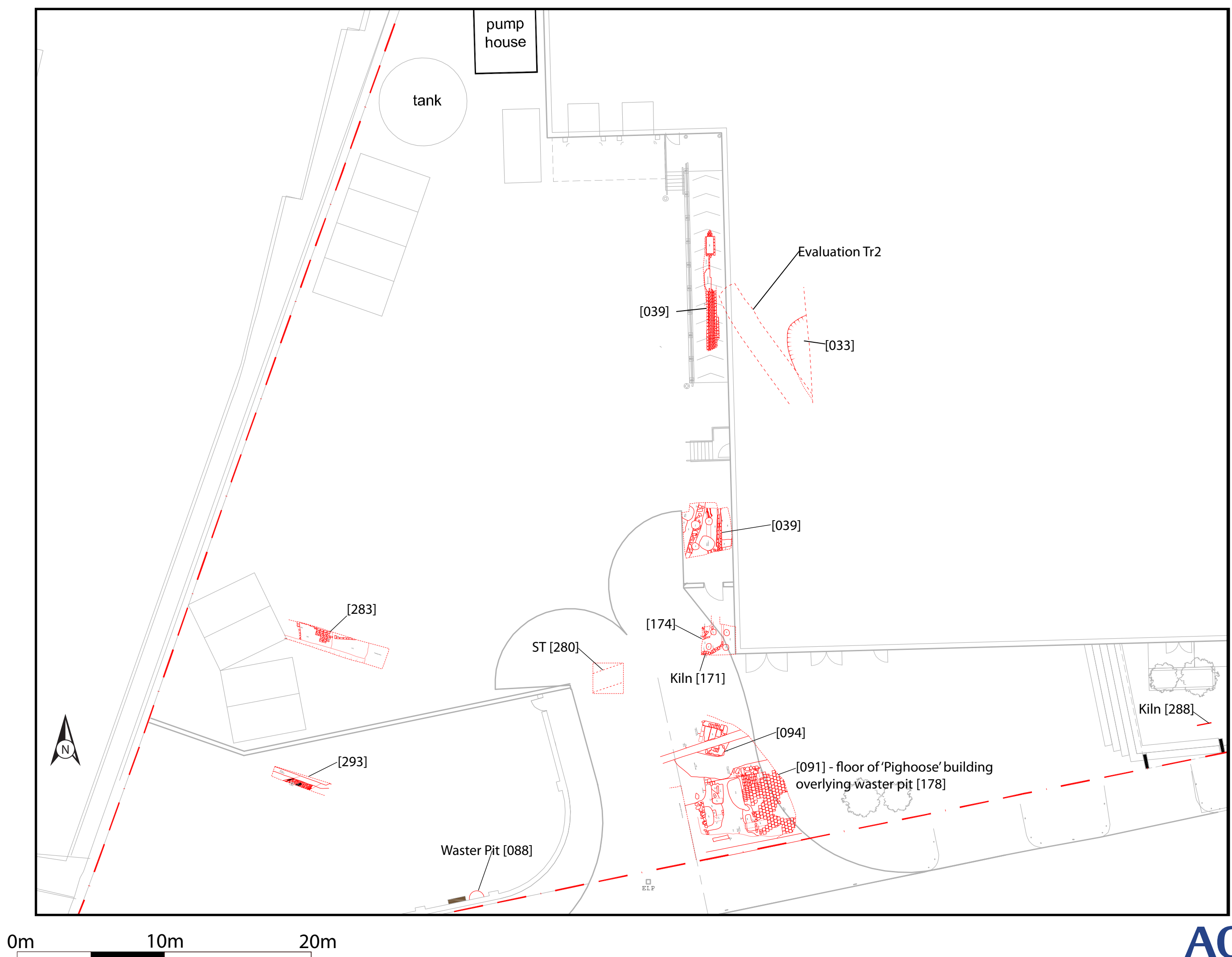
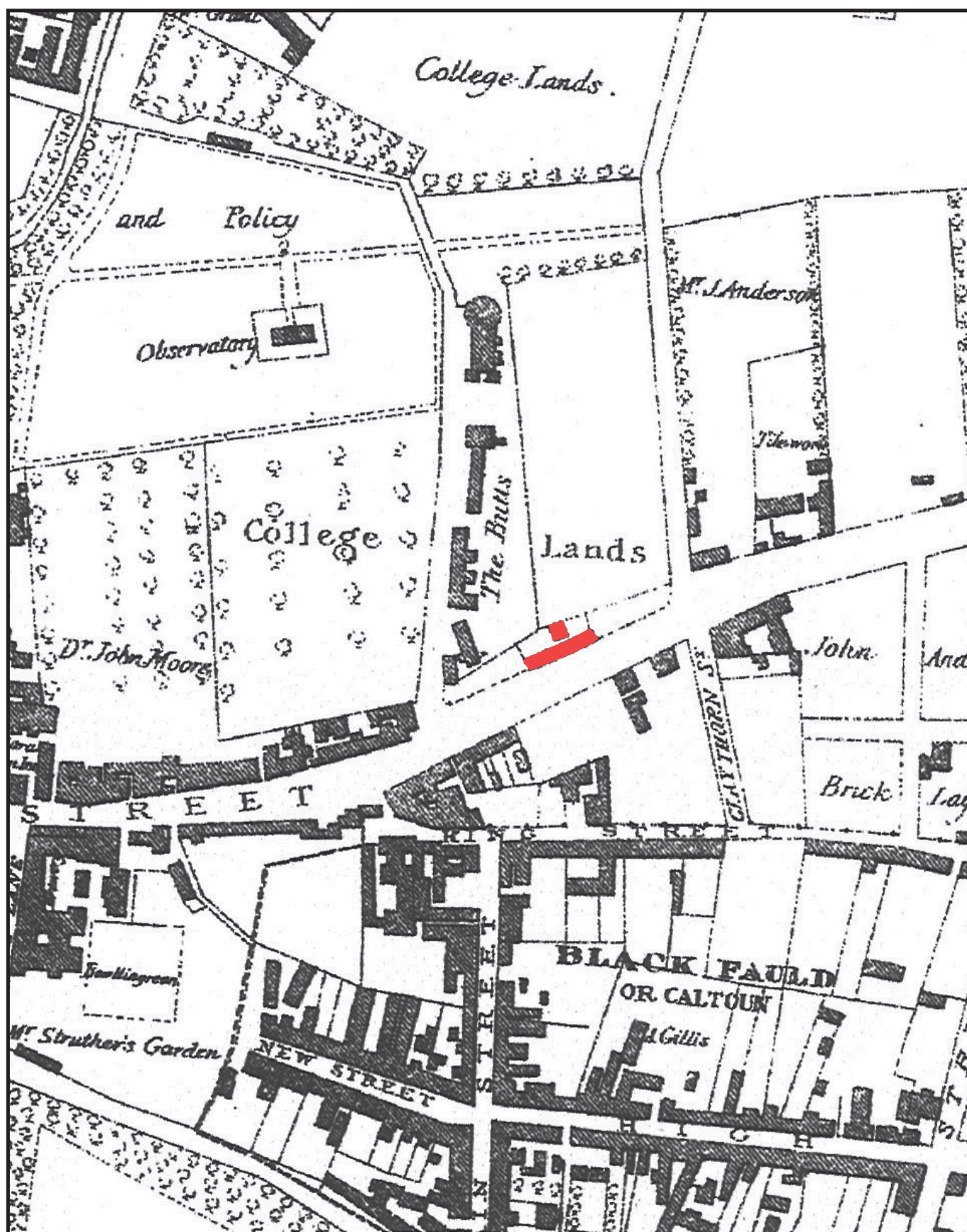


Figure 17: Plan of 'Pighouse' Pottery and other Pre-Barrack features



Figure 17a: Plan of features within the WE bund



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 Pottery building

Figure 19: Extract from MacArthur's Map of Glasgow, 1778

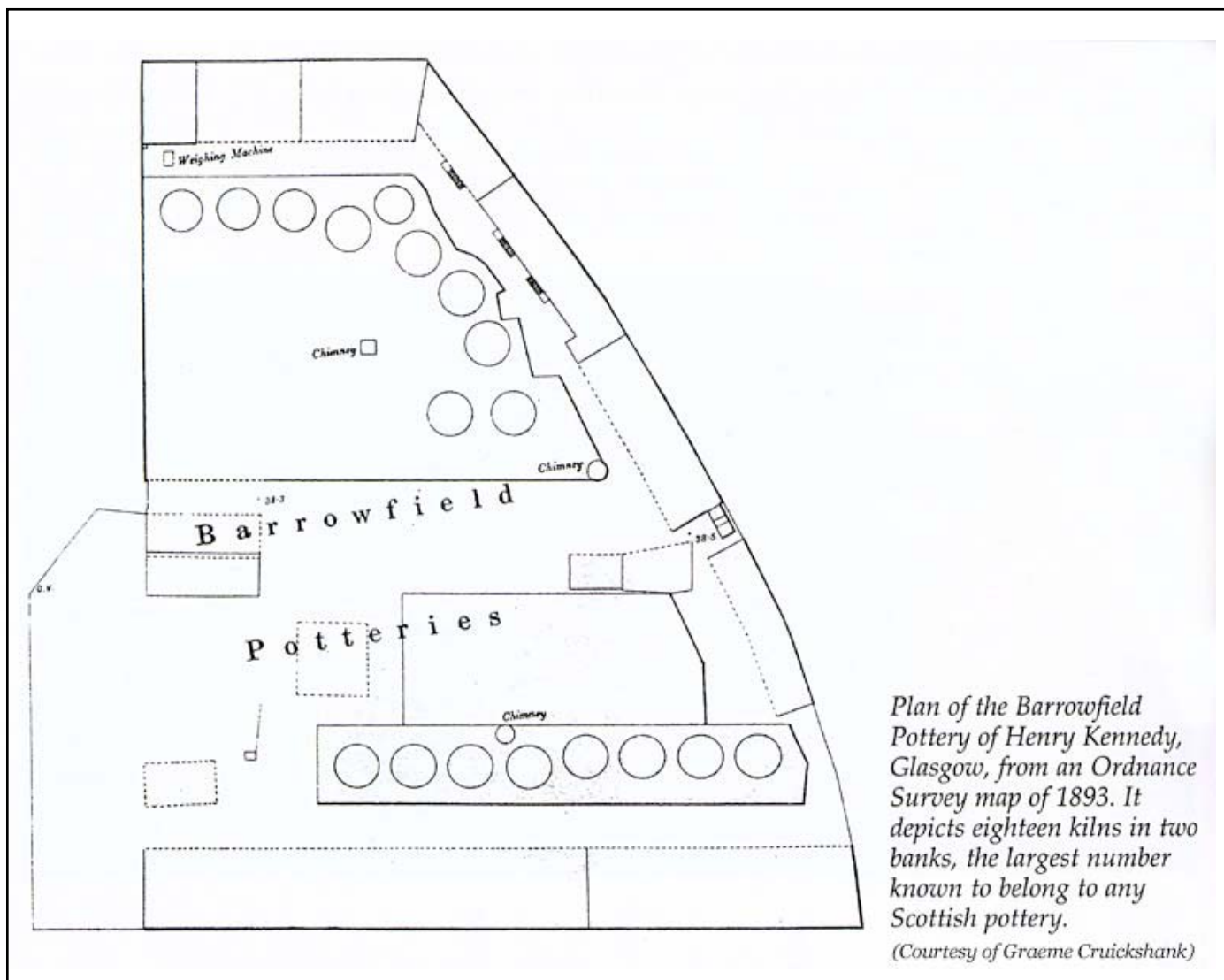


Figure 20: Plan of Barrowfield Pottery, 1893

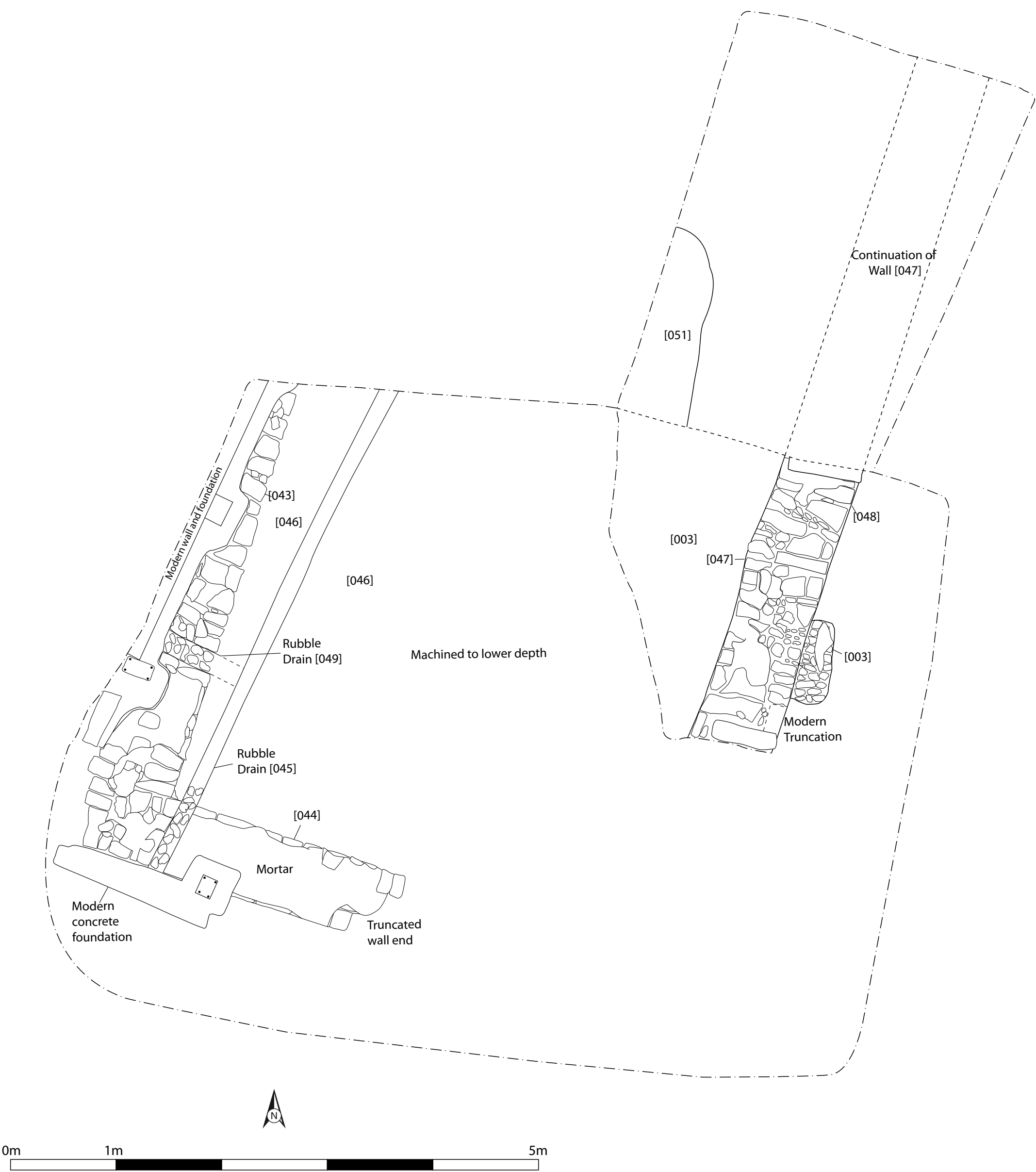


Figure 21: Plan of Soldiers Barracks

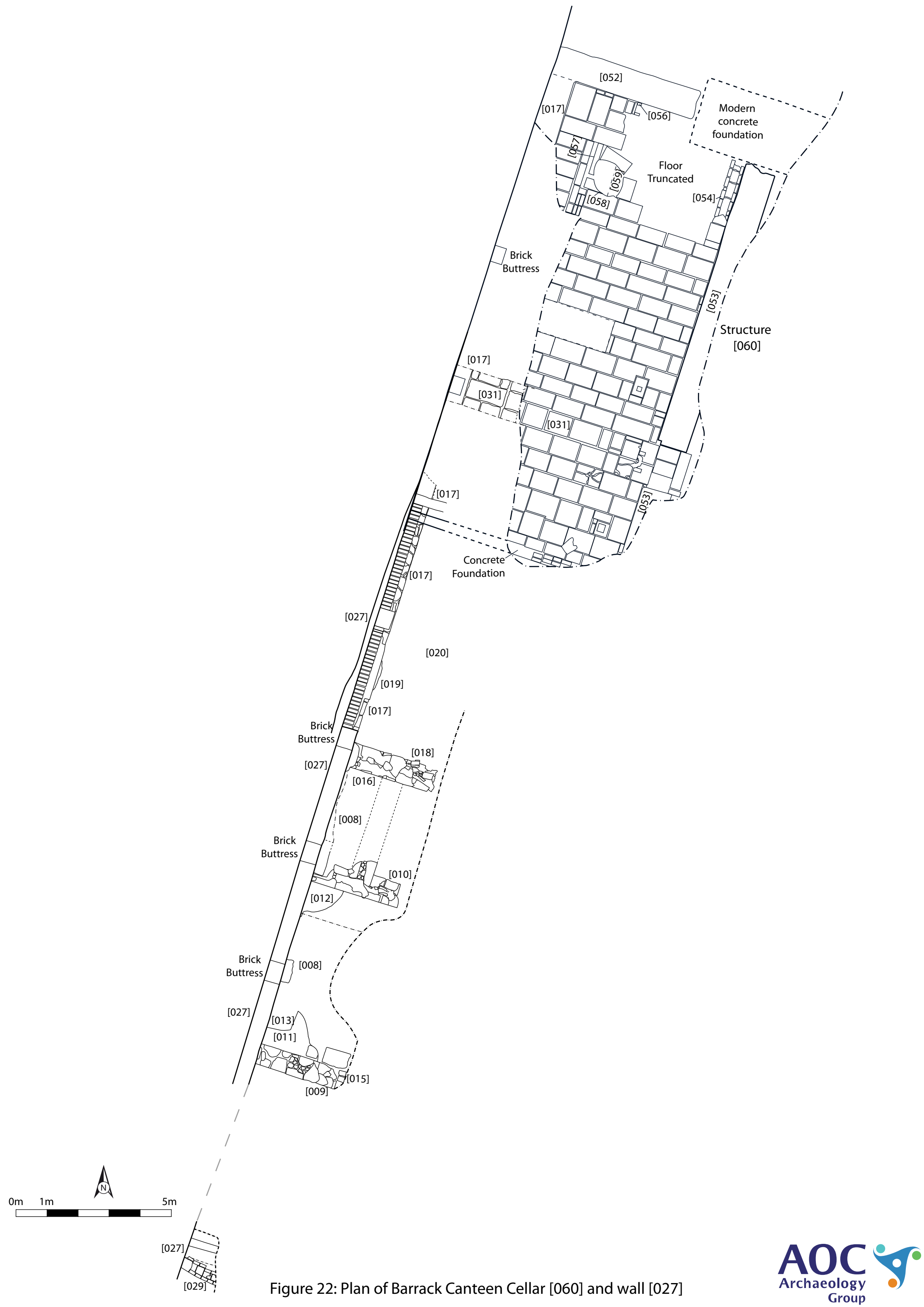


Figure 22: Plan of Barrack Canteen Cellar [060] and wall [027]

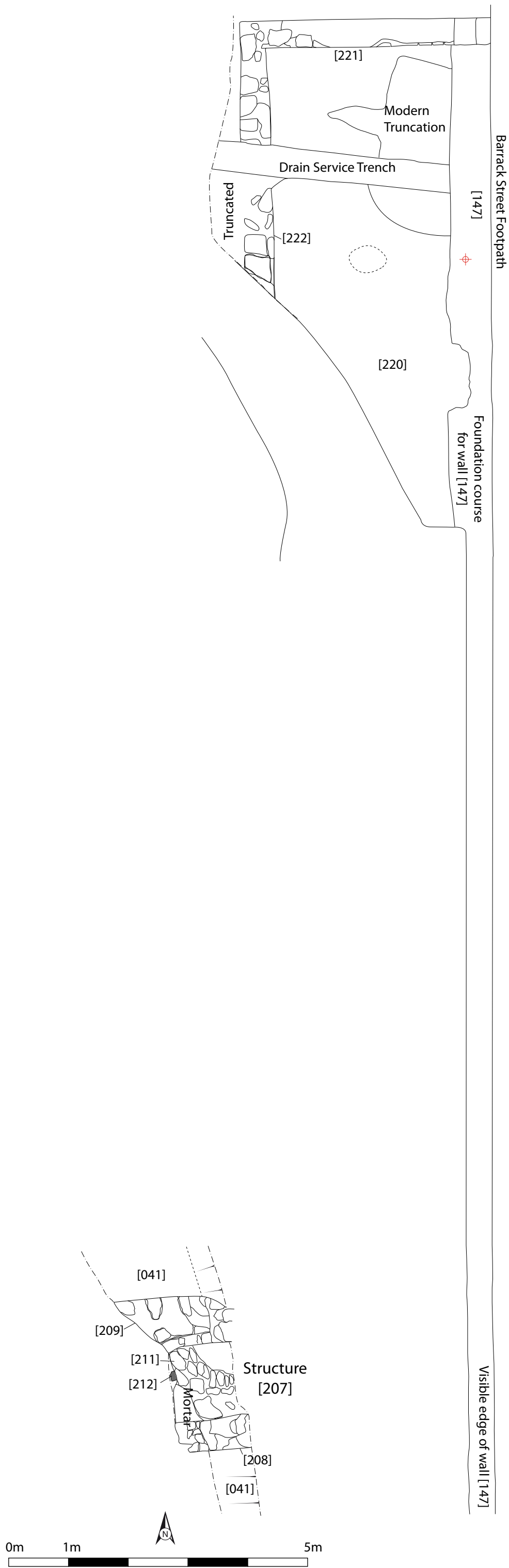


Figure 23: Plan of unroofed Barrack Structure, Structure [207] and Wall [147]

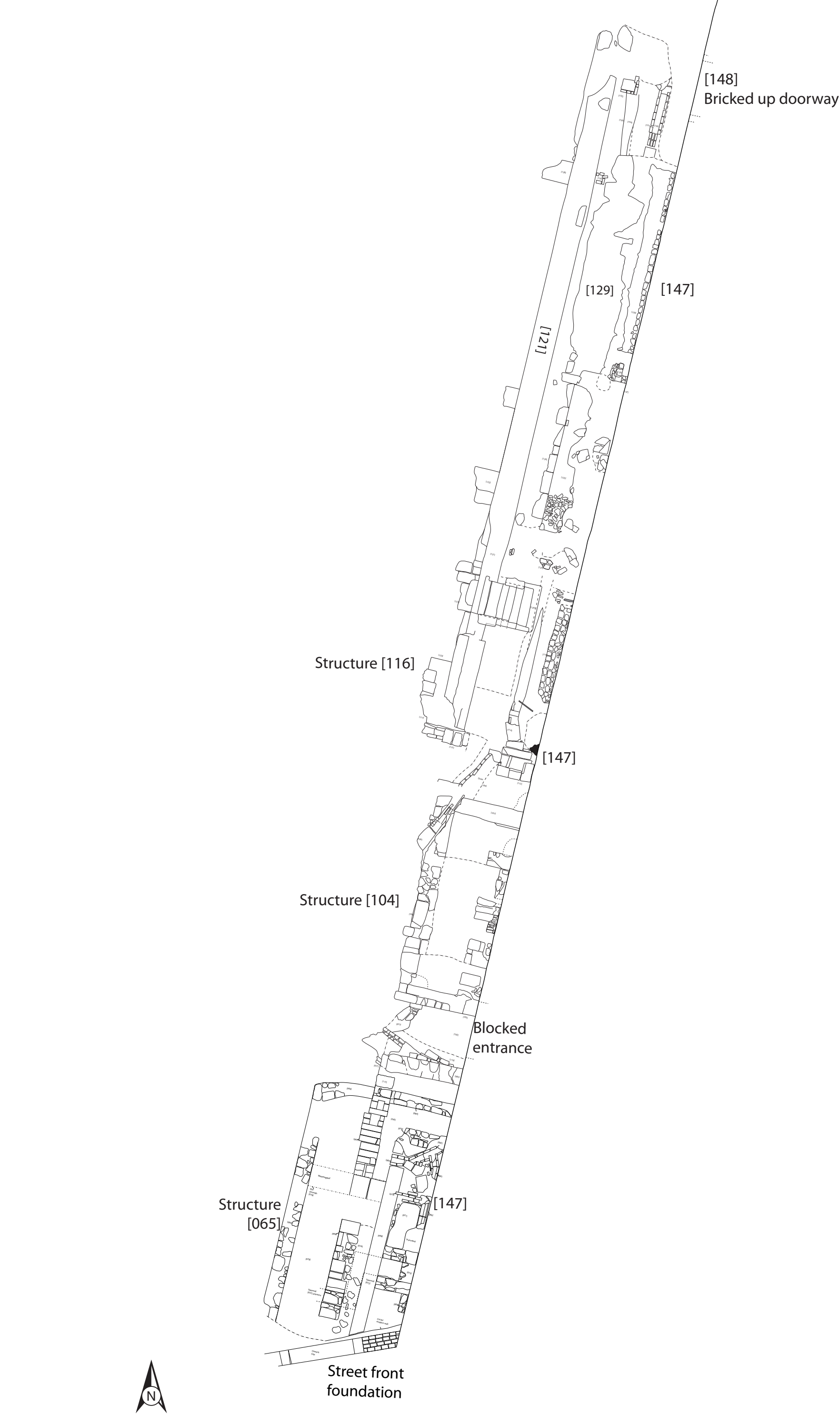


Figure 24: Plan of Structures [065], [104] & [116] and Walls [121] & [147]

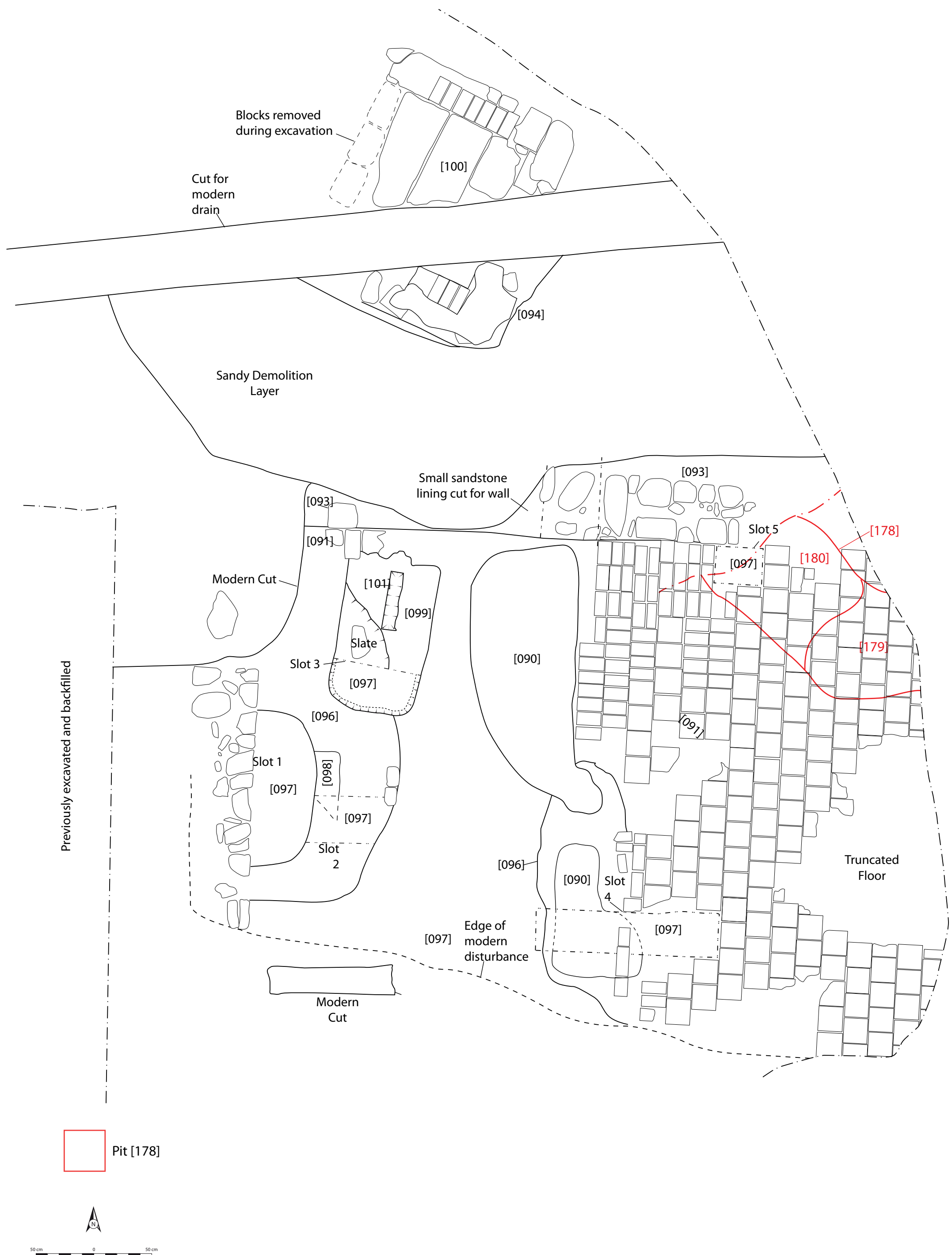


Figure 25: Plan of Pighouse Pottery floor [091] and Kiln [094]

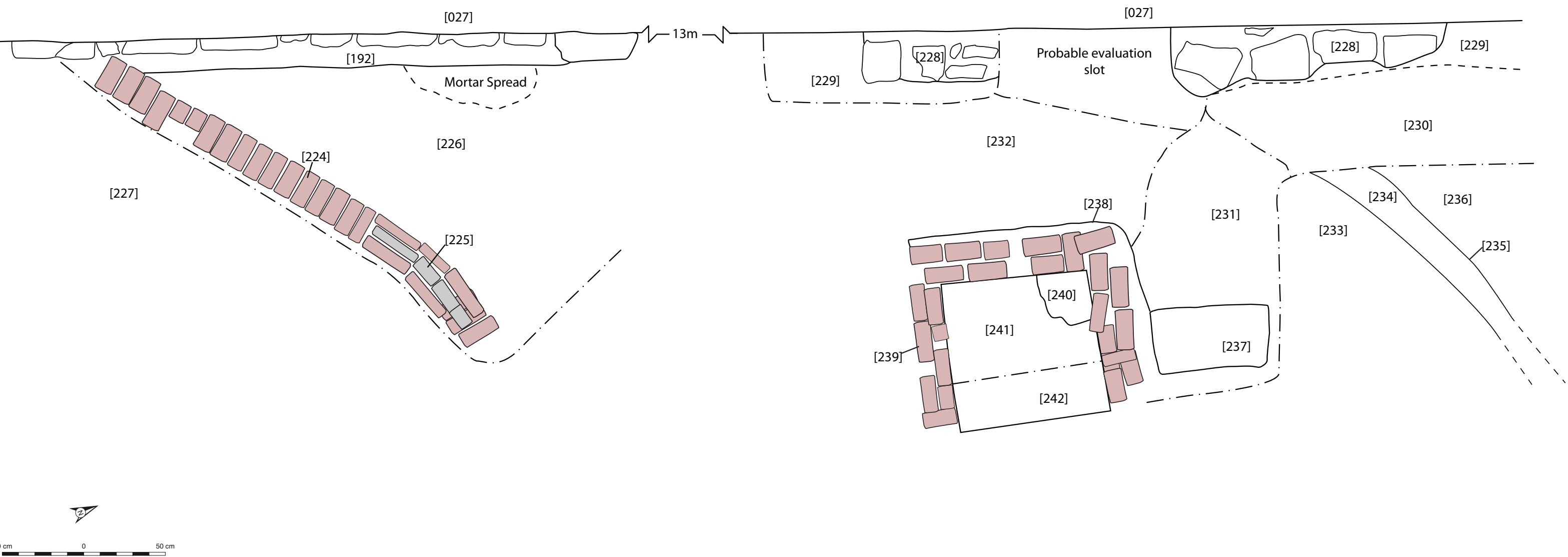


Figure 26: Plan of Flue [224], Oven [239] and Wall [027]

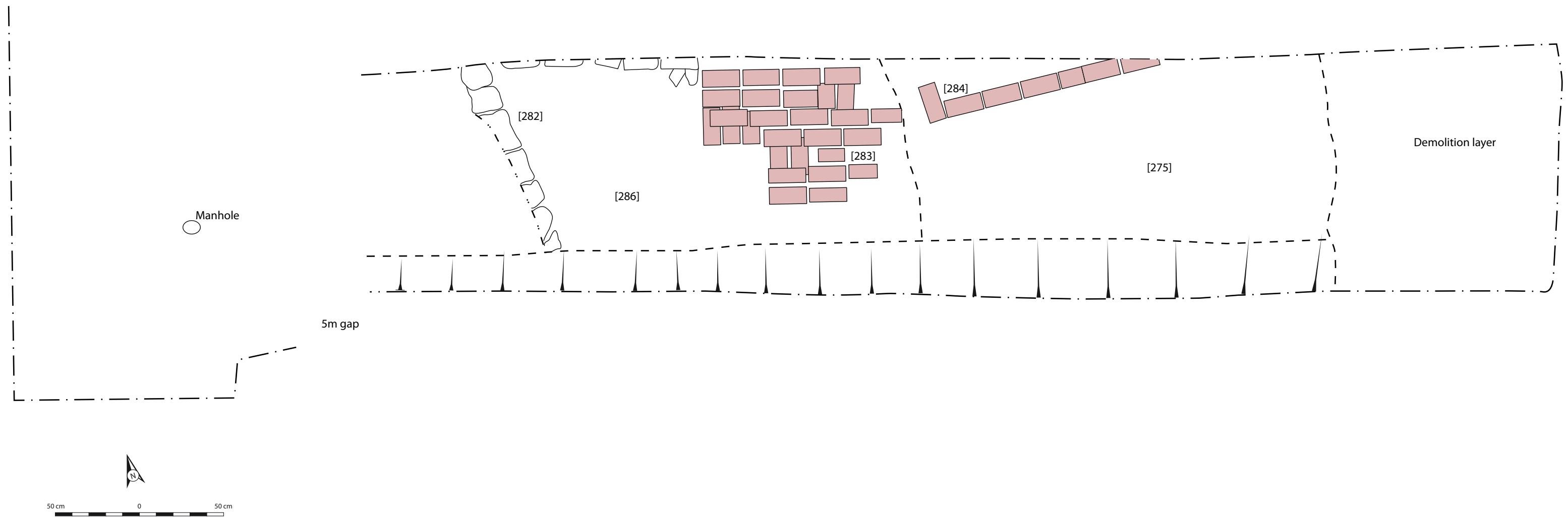


Figure 27: Plan of walls [282], [284] and surface [283]

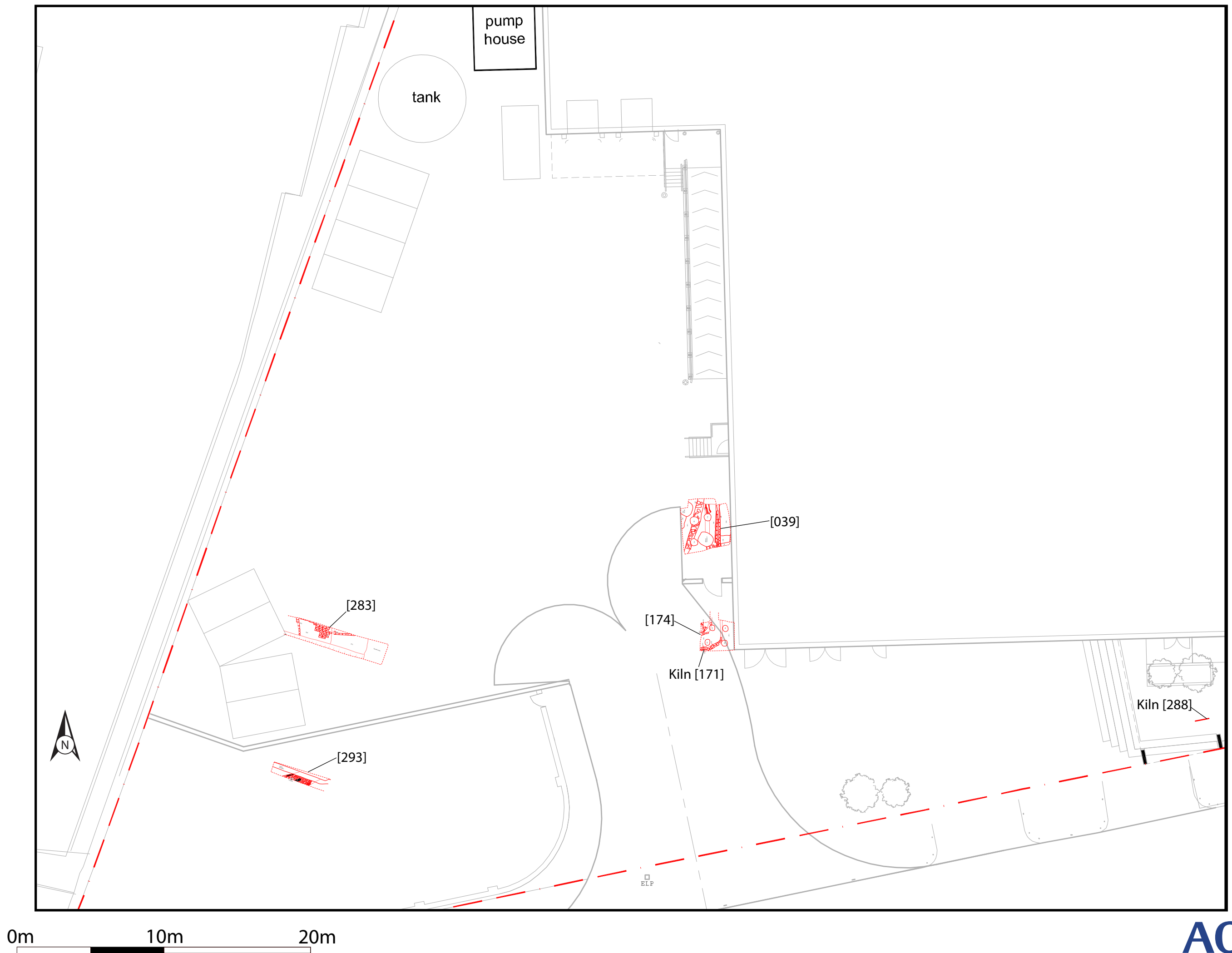


Figure 28: Archaeological remains preserved in-situ

Gallowgate, Glasgow Historic Building Recording And Archaeological Works Data Structure Report

Section 2: Appendices

APPENDIX 1: EVALUATION TRENCH DESCRIPTIONS

Trench 1

<i>Dimensions</i>	30 m by 2.0 m
<i>Orientation</i>	S-N
<i>Depth to Archaeological Horizon</i>	0.90 m
<i>Significant Features</i>	Waster pit [101] and other small pit [102]
<i>Soil make-up</i>	Concrete and tarmac over various levels of made ground, stopping at mid yellowish brown sandy clay
<i>Finds</i>	Red Earthenware ceramic within pit [101]

Trench 2

<i>Dimensions</i>	34 m by 2.0 m
<i>Orientation</i>	NW-SE
<i>Depth to Archaeological Horizon</i>	1-2 m
<i>Significant Features</i>	None
<i>Soil make-up</i>	Concrete and tarmac over various levels of made ground, onto purple clay natural
<i>Finds</i>	None

Trench 3

<i>Dimensions</i>	10 m by 2.0 m
<i>Orientation</i>	N-S
<i>Depth to Archaeological Horizon</i>	1 m to 1.1 m
<i>Significant Features</i>	None
<i>Soil make-up</i>	Concrete and tarmac over various levels of made ground, onto purple clay natural
<i>Finds</i>	None

APPENDIX 2: CONTEXT REGISTERS

Evaluation Register

Context No.	Area	Description
101	T1	Irregular shaped cut within Trench 1 with only 3.4m by 1.2m visible. Partially covered by light brown clayey sand. Pottery waster pit
102	T1	Loose black coarse ash with abundant pottery and occasional slag inclusions. Overlain/capped by light brown clayey sand. Fill of Pit [101]
103	T1	Irregular shaped cut protruding into Trench 1 with only 1.2m by 0.45m visible. To the immediate SE of pit [101]. Small Pit
104	T1	Moderately compact mid grey sand and sandstone rubble. 1.2m by 0.45m visible. Fill of Pit [103]

Excavation Register

Context No.	Area	Description and Interpretation
001	SW	Modern deposit laid on top of railway yard cobbles. Mixture of sandstone and brick rubble as well as Type 2 crushed and graded stone averaging about 0.5m thick. Madeground for modern ground level – contains possible 18th century ceramics
002	SW	Concreted surface made up of crushed brick and sandstone and held together with very hard set sandy cement. Truncated in several places by modern walls and services. Approx 14m by 14m revealed and recorded within the SW corner but extends further West. Surface for railway cobbling
003	SW	Mixed stone cobbled surface (90% sandstone; 2% brick; 8% glazed and shaped kiln/furnace bricks) abutting surface [002] to the North. Excavated and removed throughout the majority of the area south of railway tunnels. Up to 0.35m thick with average stone size 0.25 m by 0.15m. Barrack Parade Ground or Courtyard
004	SW	Sandstone wall within construction cut [005] running N-S and measuring 1.9m by 0.6m (very truncated). Abutted by cobbles [006] and would probably have been abutted by surface [002] also. Sandstone wall – relating to Barracks
005	SW	Linear cut for wall [004] running N-S and cutting through deposit [007]. Dimensions are 1.9m by 0.6m. Construction cut for wall (004)
006	SW	Possible remains of a pebble stone cobbled surface abutting wall [004]. Dimensions are 0.65m by 0.17m with heavy truncation to the east by modern foundations. Possible cobbled surface
007	SW	Very compact mix of sand, clay, brick (very small fragments) and sandstone (very small fragments) rubble with occasional medium coal inclusions. Deposit lies under [003] and is cut by [005]. Dimensions visible are 1m by 0.75m. Madeground for Barrack Courtyard
008	SW	Moderately compact mixture of mid brown sand and fine rubble as well as layers of purple clay. The deposit measures 4.26m by 2m by 0.65m and covered walls [009] and [010] Madeground/Backfill of Modern Construction Cut [013]
009	SW	Sandstone wall running NW-SE at right angles to the Barrack wall [027] and 4.22m SW of wall [010]. Consists of large sandstone blocks (0.5m by 0.2m by 0.35m) with a sand and lime mortar. The NE and SW faces are flat and the wall is at least 2 courses high. Dimensions are 2.08m by 0.54m by 0.46m. SE end truncated by modern walls. The SW wall of the Barracks Canteen
010	SW	Sandstone wall running NW-SE at right angles to the Barrack wall [027] and 4.22m NE of wall [009]. Consists of large sandstone blocks (0.5m by 0.2m by 0.35m) with a sand and lime mortar. The SW face is flat but the NE face is irregular and may have had a buttress keyed into it for extra support for structure. Dimensions are 2.2m by 1m (at widest point) by 0.56m. SE end truncated by modern walls. An internal foundation wall of the Barracks Canteen
011	SW	Compact orange clay with rare small stone and charcoal inclusions. Abuts wall [009] on its NE

		face and is cut by [013] leaving 1.42m by 1.02m by 0.17m visible. Same as [012]. Re-deposited clay supporting wall [009]
012	SW	Compact orange clay with rare small stone and charcoal inclusions. Abuts wall [010] on its SW face and is cut by [013] leaving 0.84m by 0.92m by 0.18m visible. Same as [011]. Under made ground [014]. Re-deposited clay supporting wall [010] along with [014]
013	SW	Irregular shaped cut measuring 2.84m wide at W edge and 4.26m wide at E end with approx 2m visible. Filled by [008] and cuts [011] and [014]. Modern cut for construction of brick buttresses abutting Barrack wall [027]
014	SW	Light yellow mixture of sand and sandstone rubble occurring over [012] and abutting the top courses of wall [010]. Only visible in section and measuring 0.92m by 0.47m. Cut by [013]. Made ground supporting old floor levels and wall [010].
015	SW	Sandstone cobbles (flat) occurring below the level required but abutting wall [009] on its SE end. Only two cobbles visible measuring 0.26m by 0.18m (Individually – 0.1m by 0.18m) Possible floor surface relating to the Barracks Canteen
016	SW	Sandstone wall running NW-SE at right angles to the Barrack wall [027] and 2.4m NE of wall [010]. Consists of large sandstone blocks with a sand and lime mortar which is truncated at its SE end. Keyed into wall [017] to form a probable cellar/room. Feature [018] is attached within the NE face of the wall at its SE end creating a possible door hinge. Wall measures 2.2m by 0.62m by 0.68m SW wall of Barrack Canteen Cellar
017	SW	Sandstone wall running SW-NE, parallel to and abutting Barrack wall [027]. Visible extent is 3.9m by 0.49m by 0.78m and has been used by modern buildings as a foundation for brick buttresses. Roughly coursed with a relatively flat SE face consisting of large sandstone blocks with a sand and lime mortar. Has feature [019] cut into it. Keyed into wall [016] at its SW end and wall [052] at its NE end. NW wall of Barrack Canteen Cellar
018	SW	Brick feature in the NE face of wall [016] consisting of three cement mortared bricks. One of the brick has an iron lump protruding from it which may have been the base of a hinge or other structural element. Possibly a later addition to the wall given the type of mortar. Feature measures 0.3m by 0.18m by 0.14m. Possible hinge for a door within the Barrack Canteen Cellar
019	SW	Cut feature within the SE face of wall [017]. Roughly rectangular shaped hole measuring 0.46m wide by 0.2m high by 0.47m into the wall. Possible wider top portion of feature now filled by cement which would have been 1.19m wide. Three small square hole are present along the NE side of the hole indicating a possible grate or door covered the feature (each hole is 0.25 m by 0.25 m). The cut runs NW into wall [017] and then indications are that it may continue through the wall to NE. Possible Cupboard/ Vent/ Drain cut into wall [017]
020	SW	Moderately compact mid brown sand, rubble and clay lumps. Deposit contained by walls [016] the SW, [052] to the NE, [017] to the NW, and [053] to the SE. Measures 12.5m by 4m by 0.8m. Demolition fill of Barrack Canteen Cellar
021	ST	19 th Century railway tunnel measuring 7.8m wide and running E-W through the entire width of the site. Contains a World War II firing range [025] within it. Consists of dressed ashlar with a brick vaulted roof held up by iron girders. Railway Tunnel
022	ST	Small area of brick foundations associated with the firing range [025] and measuring 2.15m by 0.35m. Brick foundations for a small partition wall
023	ST	Brick foundations associated with firing range [025] and measuring 6.05m by 1m. Line of bricks either side of a gap. Brick foundations for a partition wall
024	ST	Brick foundations associated with the firing range [025]. L-shape of brick with a small pit like area in front filled with dark soil/sand measuring 6.75m by 0.8m. Brick foundations
025	ST	Firing range located within tunnel [021]. Thin L-shaped wall 0.12m in thickness with sand behind for catching shells. 7m (N-S) by 1.12m (E-W). WWII Firing Range
026	ST	Brick foundations for partition wall to W of firing range [025]. Dark patch to N wall suggests this was once to full height of the tunnel. Dimensions are 6.55m by 1m. Brick foundations for partition wall

027		Whinstone wall dating to the 1790's. Runs N-S along the western boundary of the development area with modern cuts and replacement visible throughout. Foundations are 2.5m below the current ground level in places. The block size for the wall is approx 0.8m by 0.5m. Western wall surrounding the Barracks
028	SW	Sub circular cut in Barrack wall [027], made for drain [029]. Cut is 0.91m wide and 0.78m high and is filled with rubble material and drain [029]. Cut for drain [029]
029	SW	Brick lined, sandstone capped drain running SSE-NNW through wall [027]. The drain consists of a sandstone base, two courses of brick for sides and a sandstone cap where it enters the wall. The drain slopes steeply (0.22m drop over 1m length) with a gap for drainage of approx 0.2m by 0.2m. Most likely related to the Barracks. Brick lined drain to the SW of the Barracks Canteen
030	SW	Moderately compact black silty sand with abundant medium sized sandstone rubble. Fill of cut [028] measuring 0.91m by 0.78m. Fill of cut [028]
031	SW	Sandstone flagstone floor (0.95m by 0.45m by 0.1m) abutting the SE face of wall [017], the NW face of wall [053] and the SW face of wall [052]. Visible extent measures 12.5m by 4m. Some raised features appear within the floor and channel [057] and well [058] cut into it. The floor covers drains [032], [054] and [056]. Floor of the Barrack Canteen Cellar
032	SW	Drain that is brick lined with a sandstone base and cap, running SW-NE under floor [031] and abutting wall [017]. Only 0.48m visible within Test Pit 3 and measuring 0.45m wide. Drain under floor [031]
033	CS	The Eastern edge of an Irregularly shaped cut with moderate sides on its Northern edge down to a stepped and rounded base (majority of base not exposed due to water inundation). Visible extent is 6m by 1.6m by 0.7m. Filled by a number of deposits – [034] to [038] - filling the cut through a number of tipping episodes visible in section. Cuts into a possible old ground surface [050]. Would have been originally cut for clay extraction and later filled with waster material. Clay extraction/ Pottery Waster Pit
034	CS	Compact dark brown sandy clay loam with frequent charcoal inclusions and occasional brick rubble measuring 2.2m by 0.8m in section. Underlying made ground for Barrack floor [042], and overlying deposit [035] Upper fill of pit [033]
035	CS	Loose to moderately compact mixture of light yellowish brown sand and wet grey ash with occasional rubble inclusions measuring 0.18m thick, underlying deposit [034] and overlying deposit [036]. 4th fill of pit [033]
036	CS	Loosely compact mid brown clayey sand with abundant pottery inclusions measuring 0.3m thick, underlying deposit [035] and overlying deposit [037]. 3rd fill of pit [033]
037	CS	Compact dark brown sandy clay loam with frequent charcoal inclusions, a lump of re-deposited clay and frequent rubble inclusions measuring 0.5m thick, underlying deposit [036] and overlying deposit [038]. Secondary fill of pit [033]
038	CS	Loosely compact yellowish brown sand and rubble with a lens containing black ash and blackened pottery measuring 0.2m thick, underlying deposit [037]. Primary fill of pit [033]
039	CS	Bottom half of a circular brick built flue running and sloping N-S. 5m West of pit [033] and covered/filled by made ground [040] for Barrack floor [003]. Truncated to the North by wall [044], but most likely preserved to the South. Visible dimensions are 8.1m by 0.7m by 0.33m. Brick Flue built pre-dating the Barracks
040	CS	Loose to moderately compact yellowish brown sand and rubble filling flue [039] and measuring 0.33m thick. Covered by floor [003] and would have been one of many deposits used as levelling material for the floor. Levelling/demolition layer under floor [003]
041	CS	Very compact purple clay revealed in several places throughout the development area and at various levels depending on truncation in the different areas. Natural clay
042	CS	Compact dark purplish grey brown sandy clay with occasional rubble and timber inclusions. Covers pit [033] and is directly under floor [003]. Measures 0.2m thick in section. Levelling/demolition layer under floor [003]

043	CS	Sandstone wall running SW-NE measuring 10m by 2.2m by 0.4m. Truncated along its NW face and its NE end by a modern wall foundation and has a rubble drain [049] built through/part of it. Forms the corner of a building with wall [044] and was abutted by floor [003] on its SE (internal) face. Appears to sit within or is abutted by deposit [046]. Consists of large sandstone blocks (0.8m by 0.8m by 0.4m) with a sand and lime mortar. NW foundation of Soldiers Barracks
044	CS	Sandstone wall running NW-SE measuring 7.8m by 1.7m by 0.43m. Consists of sandstone blocks with a sand and lime mortar. Truncated at its SE end by modern wall foundations but would have truncated flue [039] otherwise. Rubble drain [045] is built through/part of it and it appears to be sitting in or abutted by deposit [046]. Also was abutted by floor [003] on its NE face with the SW face abutted to and cut into by a modern concrete foundation. Forms a corner with wall [043] SW foundation of Soldiers Barracks
045	CS	Rubble drain running approx WSW-ENE and cutting into deposit [046] as well as running through wall [044]. Measures 12.7m by 0.35m and is filled with sandstone and brick rubble to a depth of 0.2m. Rubble drain under Soldiers Barracks
046	CS	Compact purplish grey sandy clay with frequent rubble inclusions. Cut by drains [045] and [049] and covered by floor [003]. Madeground for Barrack floor
047	CS	Sandstone wall running SW-NE, parallel to foundation [043]. Consists of sandstone blocks (0.5m by 0.6m) with a sand and lime mortar. SW end is truncated by modern walls and is visible 6.9m by 1.9m by 0.4m. Abutted by floor [003] on both faces and an entrance feature may be built into it as shown by [048]. SE foundation of Soldiers Barracks
048	CS	Possible sandstone built foundation for an entrance into the soldiers' barracks building. Two long rectangular red sandstone blocks (1.2m by 0.25m) sit slightly raised above two large flat sandstone slabs (1m by 0.6m). Feature measures 2.1m wide and is 1m into the wall. Could have formed the bottom step of the entrance. Possible entrance into Soldiers Barracks
049	CS	Rubble drain running NNW-SSE and cutting into deposit [046] as well as running through wall [043]. Also runs into drain [045] on its Eastern edge. Measures 1.8m by 0.5m and is filled with sandstone and brick rubble. Rubble drain under Soldiers Barracks
050	CS	Moderately compact mid brown sandy loam with rare sandstone and coal inclusions cut by pit [033]. Measures 0.32m thick in section. Possible old ground surface pre-dating the Barracks
051	CS	Compact, wet dark purplish grey clay containing an abundance of cow horns and bones that appeared to be within an undefined pit under floor [003]. The deposit measures 4.5m (SW-NE) by 1.7m (NW-SE) by 1.2m deep. Fill of undefined pit/feature
052	SW	Sandstone wall running NW-SE forming the NE wall of the Barrack Canteen. Consists of sandstone blocks (0.4m by 0.3m by 0.3m) 3 courses high and 2 courses wide. Abuts walls [017] and [027], and would have keyed into wall [053] if not for truncation by railway activity to the SE. Measures 4.05m by 0.8m by 0.35m. NE wall of Barrack Canteen cellar
053	SW	Sandstone wall running SW-NE forming the NW wall of the Barrack Canteen, with a gap in the wall allowing for entrance [055]. Would have keyed into wall [052] to the NE but truncated by railway activity. Survives to 2 courses. Measures 7.95m by 0.85m by 0.2m to NE of [055] and 1.65m by 0.85m SW of [055]. NW wall of Barrack Canteen cellar
054	SW	Brick lined drain with sandstone cap and base running SW-NE adjacent to wall [053], and running under floor [031]. Measures 2.35m by 0.45m by 0.2m Drain under Canteen cellar floor
055	SW	Entrance within wall [053] consisting of a long rectangular sandstone step (1.05m by 0.3m) raised 30mm above 3 rectangular sandstone flagstones (0.6m by 0.4m) abutting floor [031] to the SE. Measures 1.25m wide within wall [053]. Entrance to Barrack Canteen cellar
056	SW	Brick lined drain with sandstone cap and base running NW-SE adjacent to wall [052], and running under floor [031]. Measures 0.4m by 0.35m. Drain under Canteen cellar floor

057	SW	Linear, L-shaped cut in flagstones of floor [031] around the NW and NE of well [058]. The cut measures 3.1m long by 0.1m wide by 20mm deep. Small section of the cut runs into the well [058] and a small section is broken to allow a metal pipe to run under floor [031]. Shallow gully around well [058]
058	SW	Circular feature built into and under floor [031]. Brick lined with shaped flagstones at the top to form a circular hole in floor [031]. Partially disturbed to the NE and SE. Measures 0.9m diameter and was excavated to depth of 0.49m. Filled by [059]. Possible well later used as a soakaway
059	SW	Light yellowish brown sand with abundant sandstone and brick rubble inclusions. Fill of well [058] once Barracks demolished. Measures 0.9m diameter and at least 0.49m deep. Possibly the same as [020]. Demolition layer filling well [058]
060	SW	Structure number for Barrack Canteen Cellar consisting of sandstone walls [016], [017], [052] and [053] surrounding a flagstone floor [031]. Features in the floor and walls suggest it would have been a work area rather than an eating area. Access would have been from entrance [055] or through a possible door suggested by [018]. Barrack Canteen Cellar
061	NWE	Sandstone feature consisting of two sandstone blocks set upright with a semi-circular cut in each to form a circular hole. Circle is 0.12m diameter and descends 0.15m into the stones. The feature measures 0.54m by 0.4m by 0.45m. Sandstone flagstones [062] abut the feature. Possible flagpole base
062	NWE	Sandstone flagstones abutting and surrounding feature [061], possibly truncated on all sides or forming a straight path to feature. Only four flagstones survive and all are at various levels around [061]. Slab size is 0.34m by 0.18m with total remaining dimensions being 1.06m by 0.9m. Surface surrounding flagpole base
063	NWE	Moderately compact mid brown sandy silt with frequent charcoal and rooting. Surface [062] sits within the deposit which is 0.28m thick. Old topsoil at time of the Barracks
064	NWE	Compact orange sandy clay with occasional rooting measuring 1.5m thick. Sits on top of natural purple clay. Natural subsoil
065	EE	Structure number for a sandstone built structure abutting the Eastern Barrack wall [147] in the SE corner of the development area. Upstanding to a height of 1.6m and is 9.8m by 5.15m. Consists of an external wall [066], arch [067], internal wall [068], sandstone buttress [069], flagstone floor [070], mortar pad [071], stairwell [072] and drains [075], [080], [082], and [083]. Structure [065] in EE bund
066	EE	L-shaped sandstone wall running S-N for 9.8m then W-E for 2.2m. Wall is 0.6m wide and is truncated to the south by modern street frontage. Same as wall [084]. Abutted by floor [070] on east face. External wall of Structure [065]
067	EE	Sandstone built arch facing west and abutted and enclosed by wall [066]. Arch is 2.03m by 0.7m by 0.33m. Gap under arch to floor [070] is 1.4m high. Top of the arch has two square cuts within it on its N side. Gap under arch filled with [078]. Sandstone arch for a bunker/storage area
068	EE	Sandstone wall inside Structure [065] running S-N for 6.5m, truncated to south by modern street front. Measures 0.52m and upstanding to 1.5m high. Abutted by floor [070] on western face with arch [067] and buttress [069] a distance of 0.54m west of wall. Internal wall supporting upper level of Structure [065]
069	EE	Sandstone wall/buttress running S-N, forming the base of stairwell [072]. 0.54m west of wall [068] and 1.7m south of arch [067]. Abutted by floor [070] at northern end and possibly all along its western face. Buttress measures 3.76m by 0.7m by 0.7m. Sandstone buttress for supporting internal stairwell
070	EE	Sandstone flagstone surface within Structure [065], abutting walls [066], [067], [068], [069] and [084]. It slopes E-W and steps E-W also with the western extent being at the lowest level. Flagstone floor of Structure [065]
071	EE	Compact yellow sand and lime holding together a mixture of brick and sandstone rubble forming a rough floor on top of Structure [065]. It measures 1.74m by 0.82m Rough floor or bedding for a floor on top of Structure [065]
072	EE	Stairwell within Structure [065] leading from floor [070] to deposit [071]. It begins within buttress [069] heading east for 1m then turning north and rising for a further 1.6m then turning east again

		and rising onto wall [068] for a final 1.2m to reach [071]. Stairwell within Structure [065]
073	EE	U-shaped sandstone wall abutting Barrack wall [147] to the east and abutted by surface [071] to the north. Would form the upper surround for stairwell [072] and measures 1.2m by 1.6m. Upper most part of Stairwell [072]
074	EE	Compact mid greyish brown sandy clay with occasional coal and frequent rubble inclusions, filling the gap between (069) and (068). Measures 4.2m by 1.06m by 0.7m. Infill of Stairwell [072]
075	EE	Brick lined drain running W-E with a slate base and measuring 0.96m by 0.28m with a drainage gap of 0.12m. Filled by deposit [076] and is fed into by gully [086]. Brick-lined drain at the top of Structure [065]
076	EE	Loosely compacted light grey sand and ash with frequent small pebble inclusions. Fill of drain [075] measuring 0.96m by 0.12m by 0.13m. Fill of drain [075]
077	EE	Large brick built egg shaped drain to the immediate south of Structure [065], with wall [084] built around the edge of it. It runs NW-SE and exits through the Barrack wall [147] to connect to the main sewer in Barrack street. The cross section of the drainage gap measures 0.93m vertically and 0.8m horizontally. It is truncated to the NW by railway activity leaving 4.4m by 1.25m surviving. It is fed into by drain [103] from the NE. Main sewer drain for the Butts – possibly pre-Barracks
078	EE	Compact mid brown clayey sand with frequent CBM inclusions deposited after the demolition of the Barracks, covering Structure [065]. Measures 9.2m by 4.55m by 1.6m. Infill of Structure [065] after demolition
079	EE	Sandstone surface on top of Structure [065] or possible top of a sandstone wall connected to wall [068]. Measures 1m by 1.4m and is to the North of drains [075], [080], [082] and [083]. Flat surface of an internal sandstone wall in Structure [065]
080	EE	Brick lined drain running NW to join drain [082] measuring 0.88m by 0.3m by 0.11m with a drainage gap of 0.16m wide. Filled by deposit [081]. Brick lined drain at the top of Structure [065]
081	EE	Loosely compacted mid greyish brown sand and ash with occasional small stone inclusions. Fill of drain [080] measuring 0.88m by 0.16m by 0.11m. Fill of drain [080]
082	EE	Brick lined drain running NE-SW, fed by drain [080] and feeding into drain [083]. Measures 1.2m by 0.38m by 0.11m with drainage gap of 0.22m wide. Brick lined drain at the top of Structure [065]
083	EE	Brick lined drain with a slate base running SE-NW then turning west. Top section consists of a sandstone gully similar to [086]. Measures 1.8m by 0.4m by 0.08m with a drainage gap of 0.18m wide. Brick lined drain at the top of Structure [065]
084	EE	Sandstone wall running E-W from Barrack wall to arch [067]. Probable continuation of wall [066] occurring 0.8m to the north of [079]. Measures 2.8m by 0.44m and is partially built over and around drain [077]. Northern external wall of Structure [065]
085	EE	Sandstone wall running E-W from Barrack wall [147] covering the top of drain [077]. It sits 0.72m North of Structure [065] and is abutted by wall [113] at its western end. It measures 2.82m by 0.64m by 0.69m. 4 courses high with a sand and lime mortar. The bottom courses align with drain [077] and do not run E-W. Sandstone wall sitting over drain [077]
086	EE	Sandstone slab with a small linear, concave cut in the top to make a gully that feeds into drain [075]. Measures 0.92m by 0.28m with the gully being 0.11m wide. Remains of drainage at floor level of Structure [065]
087	EE	Sandstone wall running S-N abutting and parallel to Barrack wall [147] with the northern end also abutting wall [073]. Measures 0.68m by 0.26m. Remains of foundation at top of Structure [065]
088	SW	Cut for a large pit, roughly circular in shape, measuring 2.2m by 2.1m. Filled by [089]. Clay extraction pit used for pottery wasters
089	SW	Moderately compact dark greyish brown silty clay with frequent charcoal inclusions. Measures 2.2m by 2.1m by 0.1m. Fill of pit [088]
090	SW	Moderately compact yellow sand and rubble covering an area 6m by 4.6m by 0.05m. Covers floor [091] and deposit [096].

		Demolition material on top of floor (091)
091	SW	Brick tile floor, partially truncated in several places, abutting wall [093] to the North. Modern street frontage truncates it to the south and it runs under the L.O.E to the east. Measures 2.96m by 4.38m. Floor of late 18th century Pighoose pottery building
092	SW	Truncated sandstone wall running S-N measuring 2.24m by 0.56m. Only one course surviving and truncated at both ends by modern activity. May have once formed a corner with [093] but unable to determine conclusively. Sandstone blocks are rounded and measure 0.22m by 0.16m on average with no mortar present. Sits within construction cut [139]. Western wall of Pighoose pottery building
093	SW	Truncated sandstone wall running E-W measuring 1.62m by 0.52m. Only one course surviving and truncated at both ends. Abutted by floor [091] to the south and may have formed a corner with wall [092]. Sandstone blocks are rounded and measure 0.34m by 0.18m on average with no mortar present. Northern wall of Pighoose pottery building
094	SW	Square shaped brick and sandstone structure to the north of the Pighoose pottery building. Bricks and sandstone are heavily mortared with sand and lime mortar. The SW corner and part of the eastern wall have been removed by a modern sewer cut. Filled by deposit [095] which sits on top of floor [100]. Pighoose pottery chimney base
095	SW	Compact black ashy silt with lenses of slag-like material and inclusions of wood and slag. Fill of structure [094] measuring 1.3m by 1.18m by 0.18m. Cut by modern sewer trench. Ashy residue filling kiln [094]
096	SW	Compact black sandy silt covering parts of floor [091] and also abutting the east face of wall [092]. Sits on top of deposit [097]. Measures 1.4m by 0.8m next to floor [091] and 2.94m by 1.24m next to wall [092]. Trampled deposit at floor level in pottery building
097	SW	Moderately compact mid brown sand and rubble with frequent charcoal/coal inclusions sitting under deposit [096], [098], [099], and floor [091]. It is visible for 3.48m by 2.5m by 0.15m. Demolition or levelling layer for pottery building
098	SW	Loosely compact reddish orange sand and very small gravels. Heat affected deposit within [096] close to wall [092] possibly indicating the former presence of a hearth of kiln in the area. Measures .5m by 0.2m. Heat-affected deposit within pottery building
099	SW	Very compact sand and iron stone surrounded by deposit [096] to the south and west. Cut by slot [101] and may have formed the base for a machine or other pottery related furniture or machine. Measures 1.32m by 0.8m by 0.11m. Sits on top of [157]. Possible base for a machine or other pottery works furniture
100	SW	Sandstone floor of kiln [094] sitting under deposit [095]. Only 1.22m by 1m surviving due to truncation by sewer trench. Base of kiln [094]
101	SW	Rectangular shaped cut orientated S-N measuring 0.5m by 0.11m. Cuts base [099]. Cut for machine base or pottery feature
102	EE	Compact sandy clay and rubble with inclusions of coal and lumps of clay filling the gap between [085] and [105]. Measures 2.8m by 2.01m by 0.7m. Infill between Structure [065] and [104] to cover drain [077]
103	EE	The remains of the base of a drain running NE-SW into main drain [077]. A square cut hole in wall [105] provides access for drain out of Structure [104]. Measures 1.4m by 0.48m with a drainage gap of 0.39m by 0.29m in wall [105]. Drain forming part of Structure [104]
104	EE	Structure number given for a rectangular sandstone structure to the north of Structure [065] by 3.32m. The structure is made up of external walls [105] to the south, [106] to the west and [107] to the north. Barrack wall [147] forms the eastern wall. The structure measures 2.48m by 1.1m and contains internal foundations [254] to [256] with mortar spread [257] in between them. The floor level has been removed so only the main foundations survive. Structure [104] in EE bund of unknown use
105	EE	Sandstone wall running E-W from Barrack wall [147] forming the southern wall of Structure [104]. Keyed into wall [106] at western end. 4 courses high consisting of sandstone blocks with a sand and lime mortar and measures 2.98m by 0.64m by 0.71m. Southern wall of Structure [104]
106	EE	Sandstone wall running S-N forming the western wall of Structure [104] and keyed into wall

		(105) at its southern end. The northern end has drain [109] passing through it. 3 courses high with large sandstone blocks held with a sand and lime mortar. To the south of drain [109] the wall measures 6.52m by 0.72m by 0.78m and to the north it measures 1.38m by 0.72m by 0.78m. Western wall of Structure [104]
107	EE	Sandstone wall running E-W from Barrack wall [147] forming the northern wall of Structure [104]. Meets wall [106] where rain [109] passes through it. 4 courses high consisting of large sandstone blocks with a sand and lime mortar, measuring 2.46m by 0.62m by 0.74m. Northern wall of Structure [104]
108	EE	Linear section of brick running N-S abutting Barrack wall [147] between foundation [255] and [254]. Hand made bricks sitting on deposit [257] with a sand and lime mortar. Measures 0.68m by 0.38m. Possible remains of a brick floor in Structure [104]
109	EE	Brick lined and arched drain with a sandstone base running SW from drainage pot [112] through the NE corner of Structure [104]. Measures 4.5m by 0.53m by 0.55m with a drainage gap of 0.45m high and 0.32m wide. Brick arched drain
110	EE	Moderately compact dark greyish brown silty clay with frequent coal inclusions sitting under deposit (102). Same as deposit (249). Probable old topsoil/ground surface deposit
111	EE	Compact mid brown clayey sand with frequent CBM and rubble inclusions. Covers the structures from Structure [104] to the end of the EE bund (38m by 3.6m by 0.25m). Same as [078]. Infill of EE bund after demolition of Barracks
112	EE	Rectangular brick lined shaft surrounded by shaped sandstone at the top (Each block averages 0.66m by 0.4m by 0.2m). Each sandstone block has a lip on its inner face creating a possible shelf for holding a grate. The shaft measures 0.66m by 0.6m by 1m and is 11 courses of brick high. The uppermost part of the structure measures 1.01m by 1.25m. It abuts wall [147] to the east and has drains [114] entering it from the north and drain [109] exiting it to the SW. Drainage pot or manhole
113	EE	Sandstone wall running S-N connecting Structure [065] with wall [085]. Abuts arch [067] to the north and wall [085] to the west. Measures 0.7m by 0.64m by 0.61m. Connecting wall from Structure [065] to wall [085]
114	EE	Brick built arched drain running South into drainage pot [112]. Capped by sandstone where it connects to [112]. Same as [131] Brick arched drain
115	EE	Sandstone built drain with large sandstone blocks capping the drain, a sandstone base and rectangular sandstone flagstones sitting on their sides to create the sides. It starts from underneath stairwell [120] and runs south to the end of wall (118) before turning right angles to run E-W. Truncated at western end by railway activity. The drain measures 4.36m (S-N) and 1.66m (E-W) by 0.62m by 0.44m with a drainage gap of 0.3m vertically and 0.23m horizontally. Deep drainage for stairwell [120] and surface (123)
116	EE	Structure number for the area between stairwell [120] and the beginnings of the path beyond wall [124]. This area should have comprised of the armoury but there is little evidence for a floor or even four walls to contain it. Possibilities are that the stairwell provided access to a building built on top of wall (124) meaning that cobbles [125] would have been the floor level. The plan of the structure would measure 7.4m by 2.9m. Structure [116] in EE bund – possible Armoury
117	EE	Sandstone wall running E-W keyed into the south end of wall [118]. Heavily truncated to the west and abutted by surface [123] to the north. 3 courses high and bonded with a sand and lime mortar. Measures 2.02m by 0.8m by 0.76m. Sandstone wall bounding surface [123]
118	EE	Sandstone wall running S-N and abutting S face of stairwell [120]. Large sandstone blocks with a sand and lime mortar upstanding to 3 courses. Measures 3.92m by 0.62m by 0.69m. Retaining wall for raised surfaces between Structure [104] and Structure [116]
119	EE	Linear section of whinstone cobbles running S-N and abutting barrack wall [147]. Cobbles slope to form a 'V' shape indicating their use as a drainage gully along the wall. Heavily truncated by modern services and tree roots. Measures 3.66m by 0.49m by 0.12m. Remains of a cobbled surface between Structure [104] and Structure [116]
120	EE	Sandstone built stairwell rising West to East from flagstone surface [123]. There are 6 steps built into a dressed sandstone surround and a smaller whinstone step at the base sitting on top of surface [123]. Evidence of a railing running up the northern side. Each step measures 1.35m

		wide by 0.34m by 0.16m. The total dimensions for the stairwell are 2.6m (W-E) by 1.74m (N-S) and 1m high, with a width between the sides equalling 1.24m. Stepped access to Structure [116] and the path around the soldiers barracks
121	EE	Sandstone wall running S-N from the northern face of stairwell [120]. Constructed of large sandstone blocks with a sand and lime mortar and measures 20.06m by 0.96m by 1.01m. Walls [122], [127] and [128] are keyed into the west face. The first 8m (approx) would have been a retaining wall for surfaces to the east with the remaining 12m being the eastern wall of the eastern range of Soldiers Barracks. Eastern range Soldiers Barracks wall
122	EE	Heavily truncated section of sandstone wall running E-W from wall [121], 2.15m north of stairwell [120]. Measures 0.84m by 0.76m by 0.92m. May originally have formed the northern boundary for surface [123]. Sandstone wall of unknown use
123	EE	Remains of a truncated flagstone surface abutting wall [118] and stairwell [120] to the east, and wall [117] to the south. Survives in two sections: a 1.25m by 0.94m section at the corner of wall [118] and [117], and a 1.96m by 0.86m section in front of stairwell [120]. Flagstone surface for accessing stairwell [120]
124	EE	Sandstone wall running parallel to and abutting wall [121] to the north of stairwell [120]. Could possibly form the western foundation wall for Structure [116]. Built on top of a 0.1m thick layer of re-deposited clay. Measures 5.14m by 1.04m by 0.89m. Possible western wall of Structure [116]
125	EE	Whinstone cobbled surface abutting wall [124] to the west and sitting on top of deposit [154]. Possible floor of Structure [116] measuring 5.54m by 0.96m by 0.14m. Possible floor of Structure [116]
126	EE	Square hole within wall [121] which would have formed a drain from the soldiers barracks. Measures 0.28m wide and is filled with [154] and [158]. Drain within wall [121]
127	EE	Heavily truncated section of sandstone wall running E-W from wall [121] measuring 0.5m by 0.82m. Wall relating to Soldiers Barracks
128	EE	Heavily truncated section of sandstone wall running E-W from wall [121] measuring 1.02m by 0.84m. Wall relating to Soldiers Barracks
129	EE	Whinstone cobbled surface made of irregular sized cobbles that runs from the north of surface [125] to where the railway tunnel truncates the site. Abuts the barrack wall [147] to the east. Surface is truncated through the eastern half leaving two areas of cobbles measuring 8.42m by 1.72m and 8.12m by 0.76m. Cobbles abutting the barrack wall form a 'V' shape similar to cobbles [119]. Cobbled pathway behind Soldiers Barracks
130	EE	Large sandstone slab abutting the east face of wall [121] and covering manhole [246]. Measures 0.76m by 0.46m Cap for drainage pot
131	EE	Brick arched drain with a sandstone base running S-N under cobbles [129] and [125] and feeding into manhole/drainage pot [112]. Same as [114] and filled by deposit [134]. Truncated at its northern end by the southern railway tunnel where it begins to curve east towards wall [147]. Fed into by drains [244] and [247], with these intersections capped by sandstone. Measures 24.28m by 0.34m by 0.41m. Brick arched drain for surfaces along the Barrack wall [147]
132	EE	Square shaped brick feature with a brick base to the west of drain [131]. Measures 0.68m by 0.62m and is filled by [149]. Linear ditch [150] runs up to it from the south. Probable manhole or part of a drain
133	EE	Small patch of bricks below the level of surface [129] that measures 0.36m by 0.51m. It abutts wall [121] on its eastern face and sits on top of drain [244]. Shaft for drain [244]
134	EE	Moderately to loosely compact light brown mixture of silty clay and small grit and pebbles with occasional charcoal inclusions. Measures 24.28m by 0.22m by 0.41m. Fill of drain [131]
135	CS	Cut of unknown shape or size in plan seen in section of foundation base. Cuts into the natural clay with vertical sides and is filled with [136]. Visible dimensions are 1.05m by 2m by 0.35m. Cut for a clay extraction pit with dumped material within.
136	CS	Moderately compact dark purplish grey sandy clay with frequent medium sandstone inclusions

		and occasional coal fragments. Measures 2.1m by 0.45m. Fill of pit [135]
137	CS	Light yellow sand and sandstone rubble covering deposit [136] measuring 1.1m by 0.4m Madeground under Barrack courtyard
138	CS	Mid greyish brown sandy clay with frequent rubble inclusions measuring 1m by 0.4m. Madeground for Barrack courtyard
139	SW	Linear cut running S-N, truncated by modern activity at both ends, with vertical sides and an undulating base. Cuts through various madeground and demolition deposits and is filled by deposit [140] and wall [092]. Cut measures 2.8m by 0.64m by 0.18m. Construction cut for wall [092]
140	SW	Loose to moderately compact dark brown sandy clay with occasional coal/charcoal lumps. Sits under wall [092] and is the primary fill of cut [139]. Measures 2.8m by 0.64m by 0.05-0.1m. Levelling deposit under wall [092]
141	SW	Mixture of coarse yellow sand, mid brown sandy clay and patches of purple and green clay sitting directly under brick floor [091]. Measures 4.38m by 3.14m by 0.01-0.05m. Bedding layer for tile floor [091]
142	SW	Moderately compact yellow sand with occasional coal/charcoal inclusions. Madeground deposit cut into by the southern half of construction cut [139]. Measures 1.37m by 0.37m visible. Possibly same as [182] Demolition layer under pottery building
143	SW	Compact dark brown sandy clay with occasional sandstone, brick slab fragment, and coal/charcoal lump inclusions as well as clay patches and a small patch of clinker. Sits under bedding layer [141] and is the same as deposit [097]. Measures 4.38m by 3.14m. Demolition layer under Pighoose pottery building
144	EE	Dark brown silty clay with an abundance of charcoal inclusions, occasional rounded and sub-rounded pebble inclusions and rare tile fragments. Measures 2.3m by 0.5m. Fill of cut [150]
145	EE	Cut in Barrack wall [147] at the same level as cobbles [129] measuring 0.6m wide. Cut for possible drain or modern pip
146	EE	Some dressed stonework wedged into cut [145] surrounded by a loose matrix of dark brown gritty silt. Fill of cut [145]
147	EE	Whinstone wall running N-S creating a boundary between Barrack Street and the Barrack structures. Eastern wall of Barrack boundary
148	EE	Very thin layer of compact gritty deposit 0.03m in depth. Fill of drain feature [132]
149	SW	Fragmentary remains of possible sandstone wall running S-N, located under floor [091] at eastern end of wall [093]. Sits in demolition layer [143] and is one course high with no mortar. Measures 0.46m by 0.3m. Possible earlier wall of Pighoose pottery
150	EE	Linear cut running S-N from under cobbles [129] measuring 0.41m wide and 0.22m deep. Filled with [144] and [151]. Cut for probable drainage channel
151	EE	Light brown gritty loose compacted clay with an abundance of grit fragments and occasional pockets of very compact pinkish clay. Fill of linear [150]
152	SW	Linear cut running E-W with steep/vertical sides and an undulating base. Southern edge is visible for 3.6m while northern edge is only visible for 1.32m. Cut measures 0.54m wide and 0.24m deep. Filled by wall [093] Construction cut for wall [093]
153	EE	Compact black gritty deposit underneath and within cobbles (129) up to 0.08m deep. Bedding layer for cobbles [125] and [129]
154	EE	Very compact pinkish brown clay filling [126]. Fill of drain [126] in wall [121]
155	SW	Irregular shaped cut aligned E-W with moderate to steep sides and a concave base, filled with deposits [156] and [157]. Cut covered by [099] and cuts into [097]. Western end truncated by wall cut [139]. Clay lining [156] suggests a possible drainage use. Measures 1.29m by 0.67m by 0.12m Pit covered by pottery building
156	SW	Compact purple clay with frequent very small stone inclusions. Primary fill of pit [155] and

		covered by deposit [157]. Measures 1.29m by 0.67m by 0.02m Primary fill of pit [155]
157	SW	Compact black sandy silt with occasional small stone and very rare clinker fragments. Upper fill of pit [155] covering lining [156] and covered by [099]. Measures 1.29m by 0.62m by 0.12m. Upper fill of pit [155]
158	EE	Very black silty clay with an abundance of grit and rounded pebbles. Measures 0.17m thick. Upper fill of cut [126]
159	EE	Compact orangey brown sand with occasional charcoal fragments and sub-rounded stone fragments. Make-up layer for cobbles [125] and [129]
160	EE	Blackish brown friable silty clay with an abundance of charcoal fragments and grit. Primary fill of cut [152] used for levelling the cut for wall [093]. Measures 0.6m wide and 0.04m deep. Base deposit for wall [093]
161	CS	Sandstone wall running SW-NE, heavily truncated by piling. Sandstone blocks are irregular with no straight faces, averaging 0.28m by 0.16m and are mortared with clay. NE end may be cut by flue wall [163] – relationship not seen. Wall measures 3.5m by 0.44m. Pre-Barrack sandstone wall
162	CS	Eastern wall of probable brick built flue running N-S. Hand made brick with a sand and lime mortar. Top of brick slopes to the east indicating that the flue may be circular. Measures 2.84m by 0.22m Eastern edge of flue relating to pottery activity
163	CS	Western wall of probable brick built flue, heavily truncated by piling activity. Parallel to [162] running N-S, 0.4m apart. Remaining dimensions are a length of 0.66m and then 0.18m by 0.26m. Western edge of flue relating to pottery activity
164	CS	Moderately compact orangey brown sandy/gritty deposit measuring 2.96m by 0.42m. Fill of flue bounded by [162] and [163]
165	CS	Very fragmented and weathered deposit of brick and an orange clay mortar sitting on top of deposit [166]. Remaining dimensions are 0.64m by 0.18m abutting the eastern edge of [162]. Possible brick floor associated with flue
166	CS	Very compact greyish purple clay with very small stone inclusions measuring 0.62m by 0.5m. Base layer for floor [165]
167	CS	Very compact black coal like deposit cut by wall [161] and very similar to [168]. Deposit [169] appears to sit within it and was covered by madeground. Measures 2.2m by 0.5m. Possible floor level of pottery activity prior to flue
168	CS	Very compact black coal like deposit cut by flue wall [162] and very similar to [167]. Measures 2.18m by 0.66m. Possible floor level of pottery activity prior to flue
169	CS	Very compact orange clayey silt sitting within deposit [168]. Appears to be a heat affected deposit running under the Limit of Excavation and covered by madeground. Measures 1m by 0.32m Heat affected deposit relating to the pottery activity
170	CS	Moderately compact sandy clay and rubble that covers feature [171], as well as walls [172], [174] and [175]. Measures 2.3m by 2.12m by 0.21m. Madeground covering pottery features
171	CS	Arcing section of brick running E-W. Abutted by wall (172) to the NE and filled by deposit (173). Most likely the Northern edge of a circular feature. Measures 0.6m by 0.2m by 0.08m. Northern edge of possible circular kiln
172	CS	Small section of curving wall running SW-NE from [171] before curving north. Measures 0.8m (SW-NE) and 0.4m (S-N) by 0.22m. Truncated to the north and SW-NE section runs parallel to [174], possibly forming one side of a flue – could be same as [162]. One edge of possible flue
173	CS	Moderately compact dark brown silty clay with occasional charcoal/coal inclusions filling arced feature [171]. Measures 0.44m by 0.1m by 0.24m. Fill of kiln [171]
174	CS	Brick wall fragment running SW-NE and truncated by piling to the NE. Runs parallel to [172] and may be the same as [163]. Abutted by [175] to the north. Measures 0.3m by 0.2m Possible edge of flue
175	CS	Brick wall only one course wide running S-N from [174] measuring 0.58m by 0.09m. Wall relating to kiln and flue of Pighoose pottery
176	CS	Part of a sandstone wall revealed in section measuring 1.1m by 0.38m. Sits within deposit [177].

		Part of Barrack structures
177	CS	Moderately compact silty clay with occasional crushed brick and coal inclusions abutting wall [176] to the west and north. Madeground around Barrack structures
178	SW	Irregular shaped cut aligned SE-NW within the limits of excavation and revealed under deposit [143]. It cuts through deposit [182], is filled by deposit [179] and appears to be capped by clay deposit [180]. Dimensions visible measure 2.1m by 1m. Pottery waster pit
179	SW	Loosely compact mid brown silty sand with occasional coal inclusions and an abundance of red earthenware pottery fragments. Covered by clay deposit [180], with only 0.84m by 0.78m revealed where the clay was removed by excavations. Fill of pit [178]
180	SW	Compact purple clay with small sandstone and occasional coal inclusions covering deposit [179] and possibly acting as a cap for pit [178]. Measures 1.55m by 0.79m. Clay cap of pit [178]
181	SW	Moderate greyish brown sandy silt and gravel with occasional charcoal inclusions. Deposit sits on top of [182] to the south of pit [178]. Measures 2.46m by 1.22m. General deposit
182	SW	Moderately compact light yellow sand and sandstone rubble covering the entire area opened by excavations under the Pighoose pottery. Madeground from earlier pottery activity on site
183	WE	Small fragment of brick floor abutting wall [194] and sitting on a bedding layer [184]. Bricks are hand made, averaging 0.21m by 0.23m by 0.06m, with the total extent of the floor measuring 0.42m by 0.23m by 0.06m. Brick surface remains pre-dating the Barrack structures
184	WE	Mid brown sand sitting under and around surface [183], and abutting wall [194] on its southern face. It covers deposits [185] and [186] and measures 0.7m by 0.23m. Bedding layer for surface [183]
185	WE	Compact purple clay sitting under bedding layer [184] and partially covering [188]. Cut by the construction cut [192] for wall [027]. Abutts the base of wall [194] and measures 0.71m by 0.23m by 0.28m. Probable levelling layer for floor [183]
186	WE	A moderately compact, pinkish red mixture of red blaes, purple clay lumps and degraded brick fragments. Abutts clay deposit [185] under floor [183] and has wall [194] sitting within it. It also covers deposit [187]. Probable demolition layer/levelling layer for floor (183)
187	WE	Compact black ash and gravel sitting under deposit [186] and covering [188]. Possibly represents an old ground/floor surface with an industrial use. Measures 1.4m by 1.4m by 0.13m. Possible old ground surface
188	WE	Moderately compact purple silty clay under deposit [187]. Possible levelling layer along with deposit [189]. Measures 3.08m by 0.06m (in section). Levelling layer for (187)
189	WE	Moderately compact green sandy clay sitting between [188] and [190]. Possible levelling layer along with deposit [188]. Measures 3.08m by 0.13m. Possible levelling layer for [187]
190	WE	Compact mid brown sandy silt with frequent small fragments of brick, sandstone and pottery sitting between [191] and [189]. Measures 3.12m by 0.28m Demolition layer
191	WE	Compact mid brown sandy clay with frequent specks and small fragments of sandstone, brick and pottery as well as occasional medium sized sandstone and brick. Deposit sits under [190] as well as being under the foundations of wall [027]. Demolition layer pre-dating the late 18th century structures on site
192	WE	Linear cut running N-S parallel to wall [027]. Cuts wall [194] and all deposits below it except for [191]. It has steep sides with most likely a flat base and measures 9.3m by 0.68m by 0.72m. Filled with [193] and wall [027]. Construction cut for wall [027]
193	WE	Loosely compact sand, sandstone and brick rubble used as a supporting fill for wall [027] within cu [192]. Measures 9.3m by 0.68m by 0.66m. Fill of cut [192], supporting wall [027]
194	WE	Brick wall running E-W, truncated by cut [192] to the west and by railway activity to the east. Abutted by floor [183] and sits within deposit [186]. It is constructed of hand made bricks with a

		sand and lime mortar surviving to 2 courses high. Measures 0.92m by 0.24m by 0.16m. Probable northern wall of a pre-Barrack structure
195	WE	Small patch of brick infill within the lower courses of Barrack wall [027] to the south of opening [196] and measuring 0.42m vertically and 0.26m wide. Structural element for drain [196]
196	WE	Irregular shaped cut in wall [027] to the immediate north of brick infill [195]. It has a moderately steep south side and a vertical north side on to a flat base. Cut measures 0.44m wide and 0.32m vertically. Hole in wall for possible drain
197	WE	Compact orange clay with occasional cola lumps, sandstone fragments and brick fragments. Fills cut [202] and may have been a re-deposit for supporting Barrack wall [027]. Re-deposited clay filling [202]
198	WE	A gap in the foundations of wall [027] with some sandstone remnants running east from this point may indicate a robbed out wall for an unroofed Barrack structure noted on the maps in this area. Gap in foundations is 0.4m wide. Robbed out wall – southern wall of unroofed structure
199	WE	Moderately compact dark brown sandy clay with occasional sandstone, brick and coal fragments. Disturbed by modern activity next to [198] but may be similar to deposit [193]. Present between [198] and wall [201]. Measures 8.6m by 0.8m. Fill of construction cut [200]
200	WE	Linear cut running mainly S-N from the North of robbed out wall [198] to wall [201]. Filled by deposit [199] and measures 8.6m by 0.8m. Probable construction cut for walls [027], [198] and [201]
201	WE	Sandstone wall running W-E from wall [027] and abutted by cobbles [203] on its southern face. Truncated to the east by railway activity. Constructed of large sandstone blocks (0.44m by 0.3m) with a sand and lime mortar. Measures 1.34m by 0.6m by 0.9m. Northern wall of unroofed Barrack structure
202	WE	Linear cut running N-S, parallel to the wall [027] and cuts through clay natural [041]. Filled by re-deposited clay [197]. It measures 10m long but unsure as to width or depth. Cut of unknown use most likely related to Barrack activity
203	WE	Small section of whinstone cobbles abutting the southern face of wall [201] and sitting on top of bedding layer [204]. Measures 0.48m by 0.36m by 0.17m. Cobbled surface relating to Barracks
204	WE	Loose greenish brown coarse sand with occasional sandstone inclusions sitting under cobbles [203] and abutting the southern face of wall [201]. Measures 0.52m by 0.5m by 0.21m. Bedding layer for cobbles [203]
205	WE	Moderately compact purple sandy clay with frequent round stone and sandstone inclusions sitting under deposit [204]. Measures 0.52m by 0.5m by 0.23m. Levelling layer for cobbles [203]
206	WE	Moderately compact greenish brown coarse sand with frequent angular sandstone inclusions sitting under deposit [205] and on top of [199]. Measures 0.52m by 0.5m by 0.3m. Madeground layer within unroofed structure
207	NEE	Structure number for sandstone structure consisting of walls (208) and (209), with floor level (211). Structure is dug 2.05m into the natural clay (041). Curving wall (209) may indicate a semi-circular shape in plan. When location aligned with maps the structure is at the end of the Eastern block of Soldiers Barracks. Measures 1.5m by 2.86m by 2.05m (internally). Privy at the Northern end of Soldiers Barracks
208	NEE	Sandstone wall running W-E forming the southern wall of structure [207]. Consists of large sandstone blocks with a sand and lime mortar. Sits within cut [219] with the western end truncated by railway activity. Measures 1.28m by 0.58m by 1.9m. Abutted by floor [211] on its northern face as well as deposits [210], [213], [216] and [217]. Southern wall of soldiers barracks privy
209	NEE	Sandstone wall running W-E with a slight curve SW at its western end, before being truncated by railway activity. Consists of large angular sandstone blocks with a sand and lime mortar and sits within cut [219]. Abutted by floor [211] on its southern face as well as deposits [210], [213], [215] and [217]. Measures 2.04m by 0.71m by 1.9m. Northern wall of soldiers barracks privy
210	NEE	Loose sandy silt and ash with occasional sandstone and coal inclusions as well as rare brick inclusions. Deposit sits on top of floor [211] and under deposit [217]. Contained by walls [208] and [209], measuring 1.2m by 1.55m by 0.37m. Base deposit of Soldiers Barracks privy

211	NEE	Roughly laid sandstone surface at base of structure [207] and abutting walls [208] and [209]. Sits on top of a layer of timbers [212] and is covered by deposit [210]. Measures 1.2m by 1.55m by 0.12m. Floor of Soldiers Barracks privy
212	NEE	Very wet, black organic deposit under floor [211] with the end of a large timber seen within. Probably a layer of decomposed timbers under the sandstone floor, sitting within the base of cut [219] to act as a dampening layer between the clay and the floor. Measures 2.57m by 0.04m (in section). Dampening layer under floor (211)
213	NEE	Moderately compact greyish brown sandy clay with frequent stone, sandstone and brick fragment inclusions. Measures 1.31m by 0.75m. Demolition layer at the top of the privy
214	NEE	Large, rectangular sandstone block within the fills of the privy. May be a structural element but is unlikely due to location. Measures 0.65m by 0.31m. Large dumped piece of sandstone
215	NEE	Compact purple clay with abundant lenses of dark greyish brown sandy clay and occasional sandstone inclusions. Sits under [213] and [214] and abuts [216]. Measures 0.78m by 0.38m. Backfilled deposit of privy
216	NEE	Moderately compact purple clay with frequent stone inclusions sitting under [213] and [214] and abutting [216]. Measures 0.69m by 0.68m. Backfilled deposit of privy
217	NEE	Moderately compact purplish brown sandy clay with frequent small to medium stone and sandstone inclusions as well as rare brick fragment inclusions. Sits on top of [210] and is under [215] and [216]. Deposit within privy – possible initial demolition layer
218	NEE	Loosely compact sand and rubble abutting the top of wall [209] within cut [219]. Measures 0.54m by 0.29m. Supporting fill for wall (209)
219	NEE	Rectangular shaped cut with vertical sides and a flat base, cut into clay [041]. Filled by [212], [208], [209] and [211]. Visible dimensions are 1.5m by 2.86m by 2.05m. Construction cut for Soldiers Barracks privy
220	NEE	Area of cobbles running N-S from wall [221] under the Limit of Excavation. Bounded by and abutting walls [221], [222] and [147]. Truncated by modern activity, including a service trench. Presence of mortar on some cobbles suggests the floor may have been used for placing structures within it. Measures 7.48m by 2.96m. Cobbled floor of an unroofed Barrack structure
221	NEE	Sandstone wall running E-W from wall [147] and creating the corner of a structure with [222] at its western end. Abutted by floor [220] on its southern face. Consists of large sandstone blocks (averaging 0.32m by 0.26m) with a sand and lime mortar. Measures 3.12m by 0.44m. Northern wall of unroofed Barrack structure
222	NEE	Sandstone wall running N-S from western end of [221] where it forms the corner of a structure. Truncated by modern services through its centre and consists of large sandstone blocks with a sand and lime mortar. Measures 4.12m by 0.48m. Western wall of unroofed Barrack structure
223	WE	Square shaped hole in wall [027] just above the approximate ground level of cobbles (see [203]). Filled with random selection of stone with no mortar. Sits below another recess feature in the wall and is 5m north of wall [201]. Measures 0.4m by 0.36m. Possible Urinal Drain
224	WE	Section of brick flue running SW-NE and slightly curving to the E at its NE end. Consists of hand made bricks, 2 courses high with the lower course bricks measuring 0.22m by 0.06m by 0.11m, and the upper course bricks measuring 0.32m by 0.06m by 0.11m. Lower course is laid flat while the upper course are laid on their sides forming gap 0.12m wide and filled with [225]. Silty deposit [225] suggests the bricks are part of an old flue system. Measures 2.9m by 0.24m by 0.11m. Probable flue pre-dating the Barracks
225	WE	Compact black silt and coal dust found between the upper course of flue [224]. Surviving dimensions measure 0.78m by 0.12m by 0.11m. Similar to deposit [240]. Infill of flue [224]
226	WE	Moderately compact dark brown sandy silt with occasional small stone, coal and sandstone inclusions. Measures 3.3m by 1.8m. Spread of mortar within it and is cut by construction cut [192].

		Possible old ground surface
227	WE	Very compact sandy silt with abundant sandstone fragments and occasional coal inclusions sitting under wall [224]. Demolition layer under [224]
228	WE	Remains of irregular whinstone cobbles that would have formed a gully and cobbled pathway parallel to the Barrack wall running S-N. Truncated at both ends by modern activity and through the centre by an earlier evaluation trench. Cobbles are filled by dark brown sandy silt with abundant roots. Similar to [203]. Measures 0.84m by 0.3m and 1.7m by 0.38m. Remains of cobbled surface
229	WE	Loose pale brown coarse sand sitting under cobbles [228] measuring 0.08m thick. Bedding layer for cobbles [228]
230	WE	Very compact mid grey stone and clayey sand with occasional brick fragments, cut by the wall construction cut and sitting on top of madeground [231]. Measures 3.8m by 0.88m by 0.16m. Old surface/hardstanding pre-dating Barracks
231	WE	Very compact light brown sandy clay with frequent coal fragments, small sandstone fragments and crushed brick. Sits under hardstanding [230] and is cut by [238] for construction of feature [239]. Sandstone flagstone [237] sits within it. Measures 3.8m by 1.14m by 0.22m Madeground layer under [230]
232	WE	Moderately compact mid brown sandy silt with rare brick and coal inclusions under deposit [231] and measuring 0.4m thick. Madeground deposit
233	WE	Moderately compact greyish brown sandy silt with frequent small sandstone and coal fragment inclusions. Sits above (234) and is 1.16m wide and 0.44m thick. Upper fill of pit [235]
234	WE	Moderately compact sandstone fragments and mortar measuring 1.4m by 0.22m by 0.16m. Lower fill of cut [235]
235	WE	Cut for pit only seen in section with northern edge visible. Possible circular cut truncated by feature [239] to the south with a moderately steep northern side and a possibly concave base. Measures 1.38m by 1.06m by 0.6m. Cut for possible pit
236	WE	Mid brown sandy clay with occasional small sandstone and coal fragments. Old ground surface pre-dating feature [239]
237	WE	Remnant of sandstone flagstones to the north of feature [239]. Only one flagstone visible as remainder probably truncated by railway activity to either the north or east. Measures 0.7m by 0.36m by 0.08m. Possible surface relating to [239]
238	WE	Linear (L-shaped) cut running S-N then W-E through deposit (231). Measures 1.4m by 1.2m and is filled by [239]. Construction cut for feature [239]
239	WE	U-shaped brick structure made with hand made bricks (0.23m by 0.105m by 0.08m) and mortared with sand and lime. Southern half truncated to lower depth than northern half and may also be truncated to the east by railway activity. Structure filled with deposits [241] and [240] which sit on floor [242]. Structure measures 1.32m by 1.1m by 0.58m leaving a gap between walls of 0.9m by 0.9m. Possible chimney base pre-dating Barracks
240	WE	Compact black silt and coal dust sitting on top of deposit [241] within the NW corner of feature [239]. Probable deposit laid down by kiln and flue heat transfer activity. Measures 0.32m by 0.3m by 0.15m. Possible chimney deposit
241	WE	Mid grey ash and coarse sand with abundant rooting. Sits below deposit [240] and within [239] measuring 0.9m by 0.9m by 0.31m. Ashy fill of chimney
242	WE	Large slate slab forming a base for chimney [239]. Some rust marks on slate indicate possible iron fittings. Covered by [241] and measures 0.9m by 0.9m. Slate base of feature [239]
243	EE	Moderately compact dark brown silty clay with abundant rooting and occasional rubble inclusions sitting under arch [067] and between arch and wall [068]. It also sits between wall [084] and [079] forming an n L-shape. Same as deposit [078]. Measures 2.88m by 2.34m by 1.4m. Infill behind arch [067]
244	EE	Brick lined drain with a sandstone slab base and a sandstone slab cap running E-W from under

		manhole [133] to drain [131]. Abuts Barrack wall [121] on its eastern face. Measures 1.46m by 0.51m by 0.38m with a drainage gap of 0.3m by 0.2m. Brick lined drain
245	EE	Moderately compact greyish brown sandy clay and ash measuring 0.3m by 0.16m. Fill of drain [244]
246	EE	Sandstone and brick built manhole/gully pot with a sandstone cap [129] and a sandstone base. Filled by deposit [248] and is constructed of 2 brick courses sitting on top of 2 sandstone courses with the shaft split by a sandstone flagstone suspended within the north and south walls. Measures 0.32m (E) and 0.44m (W) by 0.58m by 0.8m. Gully pot or manhole for drainage under [129]
247	EE	Brick lined drain with a sandstone cap and base running E-W and connecting manhole [246] to drain [131]. Measures 0.68m by 0.56m with a drainage gap of 0.24m by 0.26m. Brick lined connecting drain
248	EE	Moderately compact dark brown silty clay with abundant rooting measuring 0.86m by 0.58m by 0.6m. Drainage deposit within manhole [246]
249	EE	Compact dark brown silty clay with frequent charcoal/coal flecks and rare brick fragments measuring 0.51m thick. Sits on top of natural clay [250] and capped by re-deposited clay and made ground throughout the EE bund. Same as [110]. Pre-Barrack ground surface
250	EE	Very compact mottled pink and orange clay with occasional rooting. Clay natural in EE bund
251	EE	Linear cut running N-S through clay [250] with vertical sides and flat base, filled with drain [115]. Measures 4.36m by 0.54m and runs parallel with and to the immediate east of wall [118]. Cut for drain [115]
252	EE	Rectangular shaped cut in clay [250] that would also have cut the Barrack deposits above it. Dimensions in clay are 0.84m by 0.28m. Contains threaded metal rod. Cut for metal rod
253	EE	Moderately compact greyish brown sandy clay with occasional small sandstone inclusions and other stone. Measures 0.84m by 0.28m. Fill of cut [252]
254	EE	Rectangular sandstone foundation within Structure [104] to the north of wall [105] with a shaped block of sandstone on top. Measures 1.17m by 0.84m by 0.74m. Foundation/base within Structure [104]
255	EE	Rectangular sandstone foundation within Structure [104] to the north of foundation [254] and south of [256] with a shaped block of sandstone on top. Measures 0.82m by 0.73m by 0.42m. Foundation/base within Structure [104]
256	EE	Rectangular sandstone foundation within Structure [104] to the south of wall [107] and to the north of foundation [255]. Measures 0.94m by 0.82m by 0.8m. Foundation/base within Structure [104]
257	EE	Compact sandstone and sand and lime mixture sitting within and abutting the walls and foundation features within Structure [104]. Mainly machined away to the west. Bedding for an old surface in Structure [104]
258	EE	Sandstone wall parallel to and abutting wall [147] between walls [084] and [079]. Abutted by floor [070] on its western face. 3 courses high of rectangular sandstone blocks with a sand and lime mortar measuring 0.54m by 0.24m by 0.78m. Sandstone wall in Structure [065]
259	SW	Sandstone wall running approximately E-W. Truncated by modern service at its W end and not visible beyond. Also truncated at E end. Consists of medium to large sandstone blocks with a sand and lime mortar measuring 3.2m by 1.04m. Built into deposit [261] Sandstone wall relating to Barrack foundations
260	SW	Truncated sandstone wall running N-S, abutting wall [259] at its N end. Truncated by a modern service. Sits within cut [262] and consists of large sandstone blocks with a sand and lime mortar. Measures 3.9m by 0.62m Sandstone wall relating to Barrack foundations
261	SW	Very compact orange clay and fragmented brick cut by [262]. Visible dimensions of 4.1m by 2.8m. Pre-Barrack made ground or demolition layers
262	SW	Linear cut running N-S and filled by wall [260] and deposit [263]. Measures 3.9m by 0.94m. Construction cut for wall [260]
263	SW	Mid greyish brown sandy clay with occasional stone and brick fragments. Fill of cut [262] along

		the western edge supporting wall (260). Measures 3.9m by 0.3m. Fill of cut [262]
264	SW	U-shaped sandstone foundation abutting the south face of wall [267]. Consists of irregular sandstone mortared with a concreted sand and lime mortar. Sits within deposit [268] and measures 2.32m by 2.84m. Sandstone foundation of Barrack Magazine
265	SW	Brick built drain running N-S then curving SE at its southern end. Brick base with two courses of brick on either side, and a brick cap. Immediately east of wall (266). No fill within drain and is similar to drain [029]. Measures 4.36m by 0.36m with a drainage gap of 0.14m by 0.17m. Brick built Barrack drain
266	SW	L-shaped section of sandstone wall with drain [265] running along the N-S section of wall on its eastern face. Measures 3.46m (N-S) and 1m (E-W) by 0.62m. SE corner of Barrack structure
267	SW	Sandstone wall running E-W with [264] abutting its southern face. Consists of sandstone blocks with a sand and lime mortar and sits within deposit [268] measuring 3.46m by 0.66m. Foundation for Barrack Magazine
268	SW	Moderately compact mid brown sandy clay with frequent brick fragments. Cut by and disturbed by Barrack structures. Pre-Barrack madeground
269	SW	Sandstone wall running SW-NE. Only visible in service trench measuring 0.8m long and 1.92m wide. Consists of large sub-rectangular blocks with a rubble core and a sand and lime mortar. Barrack foundation wall
270	SW	Linear cut running SW-NE filled by wall [269] and deposits [271] and [272]. Only 0.88m long by 3.46m visible. Construction cut for wall [269]
271	SW	Compact orange clay with very occasional charcoal flecks. Upper fill of cut [270]
272	SW	Friable dark orange clayey silt with moderate grit inclusions and occasional tile and brick fragments. Lower fill of cut [270]
273	SW	Compacted rubble with an abundance of stone, grit and brick fragments. Modern deposit
274	SW	Dark brown clayey silt with moderate charcoal and brick fragments. Below deposit [273] and cut by construction cut [270] Madeground deposit
275	SW	Light beige mortar with abundant grit inclusions and occasional brick and tile fragments. North of wall [269]. Possible fill of cut [270]
276	SW	Mixed orangey brown silty clay adjacent to Barrack wall [027]. Madeground / rubble layer
277	SW	Mid-brown clay below deposit [276]. Dump / madeground layer
278	SW	Mixed orangey brown silty gravel with abundant mortar fragments and some brick and tile fragments. Located near the base of wall [279], next to wall [027]. Dump / madeground layer
279	SW	Sandstone wall same as wall [016] See wall [016]
280	SW	Brick built oval shaped flue running E-W with top half truncated by railway activity. Consists of hand made brick two courses wide (0.24m) with a sand and lime mortar. Base of the flue is supported by and sitting on a sandstone foundation deposited within the natural clay. Dimensions visible were 1.04m wide by 0.74m deep with the flue channel being approximately 0.82m in diameter (estimated). Unable to access the feature properly due to the depth of the manhole it was revealed within. Brick flue relating to the Pighoose Pottery
281	Void	Void
282	SW	Sandstone wall running N-S consisting of rounded sandstone blocks and no presence of mortar. Abutted by surface (283) to the east and survives to two courses high in places. Measures 1.2m by 0.21m Enclosing wall for surface (283) relating to the Pighoose Pottery
283	SW	Truncated brick surface abutting the east face of wall [282], sitting on top of deposit [286]. The surface is uneven with the southern section lower than the northern section. It is two courses of

		brick thick with the top most course covered with a soft black silt/ash deposit approx 0.03 thick. Bricks are hand made and mortared with sand and lime. Measures 2.1m by 0.8m by 0.12m. Possible base of a pottery structure – chimney or kiln??
284	SW	L-shaped section of brick wall running mainly E-W and turning north just before surface [283]. Abutted by deposit [285] to the south and survives to two courses in places. Bricks are hand made with a sand and lime mortar. Measures 1.42m (E-W) and 0.22m (N-S) by 0.1m wide. Possible wall of a pottery feature/structure
285	SW	Compact black sandy soot/ash abutting wall [284] on its south face and probably contained by it. Measures 2.5m by 0.82m (visible). Industrial deposit related to pottery works
286	SW	Compact dark brown sandy silt and soot sitting under surface [283] and abutting wall [282] on its eastern face. Measures 2.14m by 1.1m. Madeground under surface [283]
287	CS	Mid brown sandy clay with lenses of black gritty clay and areas of bright orange clay and brick. Sits above feature [288] and is 0.28m thick. Demolition layer related to the pottery works
288	CS	Brick built feature creating a partial rectangular entrance. Eastern side consists of a truncated brick and fragmented clay wall, the western side consists of a truncated brick wall and it has a stone base sloping E to W. Only seen in section and possibly truncated by modern activity. Ashy deposit [290] to the west of the opening and re-deposited clay to the east. East wall is 0.52m high and base is 0.66m wide. Opening for a kiln or furnace relating to the potteries
289	CS	Mid brown clay with frequent brick and stone rubble inclusions sitting within feature [288]. Measures 0.45m by 0.55m Demolition infill of feature [288]
290	CS	Loose black silty ash situated to the west of feature [288] and measuring 0.53m wide by 0.32m thick. Probable ash deposit from kiln
291	CS	Compact mid brown sandy clay with occasional charcoal flecks to the east of feature [288], and probably used as a supporting deposit for the east wall. Measures 0.5m thick Supporting deposit of re-deposited clay
292	CS	Light yellowish brown sand and sandstone rubble sitting on deposit [287], measuring 0.27m thick. Demolition deposit related to the barracks
293	SW	Circular brick built flue running NE-SW (possible the same as [280]). Constructed of irregularly sized hand made brick with a sand and lime mortar. The flue is two brick courses wide with an internal diameter of 0.84m and an external diameter of 1.06m. Only 0.4m in length visible within the trench. Continues intact to the SW but probably truncated to the NE. Surrounded by deposit (294) Circular flue related to the Pighoose Pottery works
294	SW	Mid to dark brown sandy clay with frequent brick flecks and occasional stone surrounding both sides and top of flue [293]. Deposit surrounding potteries flue

APPENDIX 3: PHOTOGRAPHIC REGISTER

Historic Building Recording: Black and White and Digital

Film No. 1

Frame	Area	Elevation	Description	From	Date
1	Exterior Boundary Wall	W	General view	SW	24/4/11
2	Exterior Boundary Wall	W	General view to S end of wall	NW	24/4/11
3	Exterior Boundary Wall	W	Detail of large stone rubble patching to S end of wall	SW	24/4/11
4	Exterior Boundary Wall	W	General view	SSW	24/4/11
5	Exterior Boundary Wall	W	General view	NNW	24/4/11
6	Exterior Boundary Wall	W	Detail of bricked-up opening	NEE	24/4/11
7	Exterior Boundary Wall	W	General view	SWW	24/4/11
8	Exterior Boundary Wall	W	Detail of phase break between beige stone and darker stone rubble build on the north side	NWW	24/4/11
9	Exterior Boundary Wall	W	General view from the N side	NNW	24/4/11
10	Exterior Boundary Wall	W	Detail of large bricked-up opening to N side	W	24/4/11
11	Exterior Boundary Wall	N	General view	NW	24/4/11
12	Exterior Boundary Wall	N	Detail to the W side showing the phase line	NE	24/4/11
13	Exterior Boundary Wall	N	Detail showing the general construction of the stone rubble build	N	24/4/11
14	Exterior Boundary Wall	N	General view	NNE	24/4/11
15	Exterior Boundary Wall	N	General view	NW	24/4/11
16	Exterior Boundary Wall	N	Detail of stone pier to E side against the brick railway wall	NE	24/4/11
17	Exterior Boundary Wall	N	Detail of stone pier to E side against the brick railway wall	N	24/4/11
18	Exterior Boundary Wall	N	General view from E side	NEE	24/4/11
19	Exterior Boundary Wall	E	General view of the N side showing the red brick wall associated with the later railway construction	E	24/4/11
20	Exterior Boundary Wall	E	General view of N side	SE	24/4/11
21	Exterior Boundary Wall	E	General view	SE	24/4/11
22	Exterior Boundary Wall	E	General view to the centre of the wall showing the inserted vehicular doorway	NEE	24/4/11
23	Exterior Boundary Wall	E	Detail of the stone blocked doorway to the centre of the wall	E	24/4/11
24	Exterior Boundary Wall	E	General view showing the later garage constructed to the interior of the development area and the rendered wall	NE	24/4/11
25	Exterior Boundary Wall	E	General view showing one of the bricked-up doorways and patch of cement render in the centre of the wall	E	24/4/11
26	Exterior	E	General view	SE	24/4/11

	Boundary Wall				
27	Exterior Boundary Wall	E	Detail showing one of the brick-up openings and the corrugated iron blocked opening in the centre of the wall	E	24/4/11
28	Exterior Boundary Wall	E	General view of S end of wall	NE	24/4/11
29	Exterior Boundary Wall	E	Detail of stone blocked doorway to the N end of the wall	E	24/4/11
30	Exterior Boundary Wall	E	General view to N end of wall	SEE	24/4/11
31	Exterior Boundary Wall	S	Detail of south-east corner showing the brick wall and sandstone quoins	SW	24/4/11
32	Exterior Boundary Wall	W	General view of remains of building to the interior of the development area showing the rendered two-storey façade and windows	SW	24/4/11
33	Exterior Boundary Wall	S	General view of the W side	SW	24/4/11
34	Exterior Boundary Wall	S	General view of the W side	SE	24/4/11
35	Exterior Boundary Wall	S	General view	SW	24/4/11
36	-	-	Film 1 Registration	-	24/4/11

Film No. 2

Frame	Area	Elevation	Description	From	Date
1	Interior Boundary Wall	W	General view of S end	NE	11/5/11
2	Interior Boundary Wall	W	General view of S end showing brick buttresses	NE	11/5/11
3	Interior Boundary Wall	W	Detail of brick buttresses against the stone rubble wall to the S end	NEE	11/5/11
4	Interior Boundary Wall	W	Detail of inserted window to the S end	E	11/5/11
5	Interior Boundary Wall	W	General view	NE	11/5/11
6	Interior Boundary Wall	W	General view of centre of wall	SE	11/5/11
7	Interior Boundary Wall	W	Detail of the phase line between the lighter beige sandstone construction and the darker stone rubble build	NEE	11/5/11
8	Interior Boundary Wall	W	Detail of bricked-up doorway to the centre of the wall	E	11/5/11
9	Interior Boundary Wall	W	General view of the centre of the elevation showing the raised brick build and brick blockings to the top of the stone wall	E	11/5/11
10	Interior Boundary Wall	W	General view	NE	11/5/11
11	Interior Boundary Wall	W	Detail to the N end of the wall showing brick blocking and phase line	E	11/5/11
12	Interior Boundary Wall	N	Detail to the far W end	SSE	11/5/11
13	Interior Boundary Wall	N	General view from a distance	S	11/5/11
14	Interior Boundary Wall	E	General view from a distance	NW	11/5/11
15	Interior Boundary Wall	N	Detail of dressed stone pier	SSW	11/5/11
16	Interior Boundary Wall	N	General view showing stone pier	SSW	11/5/11

17	Interior Boundary Wall	N	General view to the E end showing the tunnel going beneath Barrack Street	SW	11/5/11
18	Interior Boundary Wall	E	General view to the N end showing the tunnel going beneath Barrack Street	W	11/5/11
19	-	-	Detail of the stone wall that survives to the N extent of the railway tunnel that goes beneath the development area	SE	11/5/11
20	-	-	Detail of the stone wall that survives to the E extent of the railway tunnel that goes beneath the development area	W	11/5/11
21	Interior Boundary Wall	E	Detail of bricked-up tunnel	SWW	11/5/11
22	-	-	General view looking into what remains of the tunnel and the demolition rubble within	SE	11/5/11
23	Interior Boundary Wall	E	Detail to N end showing bricked-up openings	W	11/5/11
24	Interior Boundary Wall	E	General view	NW	11/5/11
25	Interior Boundary Wall	E	General view	SW	11/5/11
26 – 27	Interior Boundary Wall	E	Detail to far S end	W	11/5/11
28	Interior Boundary Wall	S	General view to E end	NW	11/5/11
29	Interior Boundary Wall	S	General view to E end	NNE	11/5/11
30	-	-	Film 2 Registration	-	11/5/11

Film No. 3

Frame	Area	Elevation	Description	From	Date
1 – 28	-	-	Unassigned	-	-
29	Interior Boundary Wall	S	General view	N	11/5/11
30	Interior Boundary Wall		General view	NE	11/5/11
31	Interior Boundary Wall	W	General view of S end	NE	11/5/11
32	Interior Boundary Wall	S	General view	NE	11/5/11
33	Interior Boundary Wall	W	Detail of SW corner	NE	11/5/11
34	Interior Boundary Wall		General view to S end	NE	11/5/11
35	Interior Boundary Wall		Detail of windows to S end	E	11/5/11
36	-	-	Film 3 Registration	-	11/5/11

Film No. 4

Frame	Area	Elevation	Description	From	Date
1 – 16	-	-	Unassigned	-	-
17 – 18	Second World War Firing Range	-	Detail of targeting plate	S	19/5/11
19 – 20	Second World War Firing Range	-	General view looking at rubble fill of tunnel	E	19/5/11
21- 22	Second World War Firing	N	General view	SE	19/5/11

	Range				
23 – 24	Second World War Firing Range	N	General view	SW	19/5/11
25 – 27	Second World War Firing Range	-	General view looking at opening of tunnel on the E side	W	19/5/11
28 – 29	Second World War Firing Range	N	General view	SE	19/5/11
30 – 31	Second World War Firing Range	-	Detail of brick wall	E	19/5/11
32 – 33	Second World War Firing Range	S	Detail of small arch-headed opening	N	19/5/11
34 – 35	Second World War Firing Range	N	Detail of small arch-headed opening	S	19/5/11
36	-	-	Film 4 Registration	-	19/5/11

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Frame	Area	F. No	Description	From	Date
1			Registration		18/4/11
2	T1	103	Shot of pit [103] in Trench 1	W	18/4/11
3	T1	103	Shot of pit [103] in Trench 1	S	18/4/11
4	T1	101	Shot of waster pit [101] with deposit overlying	S	18/4/11
5	T1	101	Shot of pit [101] in section of Trench 1	E	18/4/11
6	T1		General shot of Trench 1	S	18/4/11
7	T2		General post ex shot of Trench 2	N	18/4/11
8	T3		General post ex shot of Trench 3	N	19/4/11
9	T3		W-facing section of Trench 3	W	19/4/11
10	CS		Working shot removing concrete	S	20/4/11
11	CS		Working shot plinth 1	S	20/4/11
12	CS		Tarmac under material of plinth 1	W	20/4/11
13	CS		Plinth 1 post-ex	S	21/4/11
14	CS		Plinth 2 Pre-ex	SW	21/4/11
15	CS		Shot of materials under plinth 2	N	21/4/11
16	CS		Concrete removed from plinth 2	S	22/4/11
17	CS		Hardstanding under plinth 2	N	25/4/11
18	CS		Black ash deposit next to hardstanding	N	25/4/11
19	SW		Working shot in SW corner	E	26/4/11
20	SW		SW corner partially stripped	E	26/4/11
21	SW		Surfaces revealed in SW corner	E	9/5/11
22	SW		Building foundations in SW corner	SE	9/5/11
23	SW		Building foundations in SW corner	SE	9/5/11
24	SW		Sandstone cobbling in SW corner	W	9/5/11
25	SW		Sandstone cobbling in SW corner	S	9/5/11
26	SW		Clay (natural) at required depth	S	9/5/11
27	SW		Surfaces partially cleaned	SW	9/5/11
28	SW	002	Concreted surface [002]	SW	10/5/11
29	SW		SW corner stripped	NE	10/5/11
30	SW	003-004	Sandstone cobbling [003] and wall [004]	W	11/5/11
31	SW	003	Sandstone cobbling [003]	S	11/5/11
32	SW	004	Wall remnants [004] and deposit [007]	S	11/5/11
33	SW	004	Wall (004) and cobbles [006]	W	11/5/11

34	SW	002-007	General shot of features in SW corner	N	11/5/11
35	SW		Clearing of plinth 3	E	11/5/11
36	SW		Working shot	S	11/5/11
37	SW		Concrete capping of walls in plinth 3	S	11/5/11
38	SW		Hollow space under plinth 3	E	12/5/11
39	SW		Possible structures under level stopped at	SE	12/5/11
40	SW		Bitumastic floor in SW corner	SE	12/5/11
41	SW		Brick vents in Barrack wall	SE	12/5/11
42	SW		Brick vents in Barrack wall	SE	12/5/11
43	EE		Working shot of slight excavation next to South Tunnel	NW	12/5/11
44-51	ST		Shots of WWII rifle range within South Tunnel	VAR	12/5/11
52	SW	009-010	Shot of walls [009] and [010]	S	13/5/11
53	SW	009-010	Shot of walls [009] and [010]	N	13/5/11
54	SW	008,9,11	Section showing deposits and possible cut	E	13/5/11
55	SW	008,10,12	Section showing deposits and possible cut	E	13/5/11
56	SW	015	Cobbles next to wall [009]	S	14/5/11
57	SW		Sandstone wall NE of [010]	SW	14/5/11
58	SW		Opening /feature in wall	SE	14/5/11
59	NT		Top of northern tunnel located	E	16/5/11
60	SW	016	General shot of wall [016]	SW	16/5/11
61	SW	016-019	General shot of possible cellar	E	16/5/11
62	SW	018	Brick feature in wall [016]	NE	16/5/11
63	SW	019	Feature cut into wall [017]	SE	16/5/11
64	SW		Test Pit 1	SE	16/5/11
65	SW		Test Pit 1 section	SE	16/5/11
66	SW		Test Pit 2	SE	16/5/11
67	SW		Test Pit 2 section	SE	16/5/11
68	CS		Removing concrete in central section	S	17/5/11
69	CS		(003) under concrete	S	17/5/11
70	CS		Working shot	S	17/5/11
71	SW		Removing [002]	S	17/5/11
72	NE		Stripping vegetation North of ST	S	17/5/11
73	SW		Area around manhole cleared	W	17/5/11
74	NE		JCB working shot	E	18/5/11
75	NE		Bridge area stripped	NE	18/5/11
76	SW		Concrete broken	NE	18/5/11
77	SW		Some of SW corner filled in and levelled over [002]	NE	18/5/11
78	EE		Tarmac being removed in Eastern Edge	W	19/5/11
79	EE		Cobbles under tarmac	W	19/5/11
80	SW		Concrete being removed	S	19/5/11
81	SW	029	Drain [029] in Test Pit 1	NE	19/5/11
82	SW	029	Drain [029] in Test Pit 1	S	19/5/11
83	SW	027, 028	Cut for drain in Barrack Wall [027]	SE	19/5/11
84	SW		SW corner stripped and cleared	S	20/5/11
85	SW		Test Pit 2 next to wall [010]	SE	20/5/11
86	SW		Foundation of [027]	SE	20/5/11
87	SW		Wall [017] continuing NE	E	20/5/11
88	SW	017, 031	Shot of canteen floor [031] in Test Pit 3	SE	20/5/11
89	SW	032	Shot of drain [032] in Test Pit 3	NE	20/5/11
90	SW		Foundation of [017] in Test Pit 3 and clay [041]	NE	20/5/11
91	CS		Stripping of tarmac and cobbles in central section	W	20/5/11
92	CS		Working shot	W	23/5/11
93	CS		Shot showing tarmac and cobbles	S	23/5/11
94	CS		Rail terminus under cobbles	E	24/5/11
95	EE		Part of structure damaged by shovel	W	24/5/11
96	CS		Digging out rail terminals	E	24/5/11
97	NE		Upstanding building in Eastern embankment	W	24/5/11
98	NE		Black ash deposit under topsoil	S	24/5/11
99	NE		Area stripped for knotweed bedding	E	24/5/11

100	NE		Drain at base of embankment	S	24/5/11
101	NE		Rubble drain in clay	S	24/5/11
102	NE		Subsoil near top of embankment	S	24/5/11
103	NE		Natural clay 1.5m below top of embankment	E	24/5/11
104	EE		Area stripped for pads	N	24/5/11
105	CS		Floor [002] under cement etc	W	25/5/11
106	NE		Foundation wall for railway embankment	S	25/5/11
107	ST		More of rifle range – W end of tunnel	E	25/5/11
108	CS		Stripping in central section	S	25/5/11
109	CS		Concrete foundations removed	S	25/5/11
110	CS		Probable flue under [003]	N	25/5/11
111	CS		Floor [003] covering waster pit [033]	E	25/5/11
112	CS		Waster pit [033]	S	25/5/11
113	CS		Sandstone entrance	SE	25/5/11
114	CS		Sandstone entrance	NE	25/5/11
115	CS		Sandstone wall in cement	S	26/5/11
116	CS		Sandstone wall in cement	S	26/5/11
117	CS		Area at front of CS cleared	NE	26/5/11
118	CS		Strip for water pipe	E	26/5/11
119	CS		Gully for water pipe	E	27/5/11
120	CS		Pipe being laid	W	27/5/11
121	CS	039	General shot of flue [039]	S	27/5/11
122	CS	039	Shot showing section of flue and [040]	N	27/5/11
123	EE		Stripping of tarmac in EE	N	28/5/11
124	CS	033	W-facing section of pit [033]	SW	28/5/11
125	CS	033	W-facing section of pit [033]	W	28/5/11
126	CS	043, 045	Wall [043] and drain [045]	N	30/5/11
127	CS	044	Wall [044] and wall [043] forming a corner	W	30/5/11
128	CS	045	Drain [045] through wall [044]	S	30/5/11
129	CS	047, 048	Wall [047] and feature [048]	N	30/5/11
130	CS	043-048	General shot of soldiers barracks	NE	30/5/11
131	CS		Area stripped for bases	S	31/5/11
132	CS		Piling taking place – no debris	S	31/5/11
133	EE		More stripping of tarmac and [003]	W	31/5/11
134	EE		Area for piling cleared	S	31/5/11
135	CS		Barrack walls removed	S	31/5/11
136	CS		Area to NE of [047] stripped	E	1/6/11
137	CS	051	Deposit [051]	E	1/6/11
138	CS	051	Deposit [051] showing horns	E	1/6/11
139	CS	051	Post ex shot of [051]	E	1/6/11
140	CS		Stripping of tarmac through middle	S	1/6/11
141	CS		Crusher machine stripping occasionally	S	1/6/11
142	CS		All three machines in close proximity	W	1/6/11
143	SW		Modern foundations at end of SW corner	W	2/6/11
144	SW		Possible end of wall [017]	W	2/6/11
145	WE		Stripped area (Knotweed) on west embankment	E	2/6/11
146	WE		Tyres and rubbish in WE	N	2/6/11
147	SW		Pre-ex of canteen floor	S	2/6/11
148	CS		Area stripped for piling	W	3/6/11
149	EE		Wall under EE embankment	W	3/6/11
150	SW	060	General shot of canteen	SW	3/6/11
151	SW	060	General shot of canteen	S	3/6/11
152	SW	060	General shot of canteen	NE	3/6/11
153	SW	060	General shot of canteen (NE end)	SE	3/6/11
154	SW	057-059	Shot of channel and well/drain	SW	3/6/11
155	SW	056	Shot of drain [056] under floor [031]	SE	3/6/11
156	SW	054	Shot of drain [054] under floor [031]	NE	3/6/11
157	SW	055	Entrance step and floor [055]	NW	3/6/11
158	SW	031	General shot of floor [031] – S corner	N	3/6/11

159	WE		Pecking of concrete next to wall	S	3/6/11
160	SW	058	Brick lining of well [058]	SE	4/6/11
161	SW	059	NW facing section of [059]	NW	4/6/11
162	SW		Well [058] capped for preservation in situ	SW	5/6/11
163	SW		Well [058] capped for preservation in situ	SE	5/6/11
164	SW		Floor being removed	NE	5/6/11
165	SW		Floor [003] in section above cellar [060]	NW	5/6/11
166	SW		Floor [003] in section above cellar [060]	SW	5/6/11
167	SW		Floor being removed	NE	5/6/11
168	SW		Area backfilled – well capped	SW	7/6/11
169	WE		Stripping in western edge	S	7/6/11
170	WE		Shot of made ground under bund	S	7/6/11
171	WE		Shot showing stratigraphy of bund	SW	7/6/11
172	WE		Area cleared	S	7/6/11
173	WE		Whinstone at base of [027]	E	7/6/11
174	NWE		Area stripped without supervision	W	9/6/11
175	NWE		Area stripped without supervision	E	9/6/11
176	NWE		Rubble under floor	E	9/6/11
177	NWE		Concrete foundations at base of wall	E	9/6/11
178	NWE		Large Tank under concrete	E	9/6/11
179	NEE		Retaining wall under rubble etc	W	9/6/11
180	NWE		Deep foundations of wall	N	9/6/11
181	NEE		Stripping rubbish from the top	W	9/6/11
182	NWE		Working shot – going deeper	N	9/6/11
183	NWE		Barrack wall moving	E	9/6/11
184	NWE		Whinstone base for railway activity	N	9/6/11
185	NWE		Most hardstanding removed	S	9/6/11
186	ST		Section behind south tunnel	N	10/6/11
187	ST		Section behind south tunnel	S	10/6/11
188	ST		South tunnel out with site	W	10/6/11
189	NWE		Deposits in NW embankment	E	10/6/11
190	NWE		Working shot	NE	10/6/11
191	NWE		Clay in embankment	E	10/6/11
192	NWE		Working shot	NE	10/6/11
193	NWE		Sandstone feature	N	10/6/11
194	NWE	061-064	General shot of [061] and surrounds	N	10/6/11
195	NWE	061	Sandstone feature [061]	S	10/6/11
196	NWE	061	Close-up of [061]	N	10/6/11
197	NWE		Cut for railway embankment	NE	11/6/11
198	NWE		Cut showing railway tunnel truncation	S	11/6/11
199	NWE		Cut showing railway tunnel truncation	S	11/6/11
200	NWE		Sides of excavation made secure	W	13/6/11
201	EE		Rubbish to be removed	W	17/6/11
202	EE		Stripping of bund	W	18/6/11
203	EE		Walls revealed in bund	W	18/6/11
204	EE		Sandstone arch etc.	SW	19/6/11
205	EE		Location of pottery – to N of flue	VAR	20/6/11
206	EE		Possible steps	SW	20/6/11
207	EE		Platform at the top of the stairs	S	20/6/11
208	EE		Drains on top of St1	S	20/6/11
209	CS		Base of foundation (0.90 m) – not broken through backfilled stone	S	21/6/11
210	EE	065	General shot of Structure [065]	NW	22/6/11
211	EE	066	Shot of external wall [066]	N	22/6/11
212	EE	067	Elevation of sandstone arch [067]	W	22/6/11
213	EE	070	Floor [070] in slot through [078]	W	22/6/11
214	EE	072	Bottom section of stairwell [072]	SW	22/6/11
215	EE	072	Entrance to stairwell [072]	W	22/6/11
216	EE	065	General shot showing top of Structure [065]	S	22/6/11

217	EE	073	Top of stairwell [072] – [073]	W	22/6/11
218	EE	071	Sand and Lime surface with drain [075]	NW	22/6/11
219	EE	079	Sandstone surface and surrounding drains [080] – [083]	N	22/6/11
220	EE	084	Shot showing wall [084]	N	22/6/11
221	EE	067	Shot showing cuts in top of arch [067]	N	22/6/11
222	EE	085	Sandstone walls [084] and [085]	S	22/6/11
223	EE		Structure under EE bund	S	23/6/11
224	EE		Flue in EE bund	S	23/6/11
225	EE		More structures under EE bund	SW	23/6/11
226-229	EE		General shots of structures in EE bund	VAR	24/6/11
230	SW		Working Shot of entrance	W	25/6/11
231	SW	088	Top section of pottery waster pit	E	25/6/11
232	SW	088	Rough location shot of pit	N	25/6/11
233	SW		Dumps of coal and ash next to [088]	W	25/6/11
234	SW		Shot showing madeground layers	SW	25/6/11
235	ABT		Working shots	VAR	27/6/11
236	ABT		Ballast etc on top of clay	S	27/6/11
237	SW		Working shot excavating entrance	E	27/6/11
238	SW		Brick floor appearing	NW	27/6/11
239	SW		Brick floor appearing	E	27/6/11
240	SW		Sandstone wall next to floor	E	27/6/11
241	SW		Another wall	S	27/6/11
242	SW		Square feature	SW	27/6/11
243	SW		Working shot of entrance	E	28/6/11
244	SW		Old railway tracks at depth	SW	28/6/11
245	SW	090-093	General shot of floor [091] and walls	W	28/6/11
246	SW	091	Brick slab floor [091]	E	28/6/11
247	SW	090-095	General shot of floor, walls and kiln	N	28/6/11
248	SW	094-095	Shot of kiln [094]	W	28/6/11
249	SW	092	Sandstone wall [092]	N	28/6/11
250	SW	093	Sandstone wall [093]	N	28/6/11
251	NEE		Working shot	NW	28/6/11
252	NEE		Subsoil under madeground	NW	28/6/11
253	NEE		Base of wall foundation	W	28/6/11
254	SW	098-099	Deposits [098] and [099]	N	29/6/11
255	SW	098-099	Deposits [098] and [099]	W	29/6/11
256	SW	100	Floor of kiln in sampled area	NW	29/6/11
257	CS		Base of foundation phase 2	W	30/6/11
258	CS		Base of foundation phase 2	N	30/6/11
259	EE		Base of foundation phase 2	NE	30/6/11
260	SW	094+100	Post-ex of kiln [094] showing [100]	S	4/7/11
261	SW	096+098	S-facing section through [096] and [098]	S	4/7/11
262	SW	099	S-facing section through [099]	S	4/7/11
263	SW		Slot under [091] and small area to the west	S	4/7/11
264	EE	077	Shot showing section of drain [077]	NW	4/7/11
265	EE	104	General shot of Structure [104]	S	4/7/11
266	EE	104	General shot of Structure [104]	W	4/7/11
267	EE	104	Shot of sandstone buttresses in ST 2	N	4/7/11
268	EE	109	Arched brick drain in ST 2 – section	SW	4/7/11
269	EE	109	Shot of drain and ST 2	NW	4/7/11
270	EE	109	Drain [109] running SW	NE	4/7/11
271	EE	103	Floor of drain [103]	SW	4/7/11
272	EE	112	Gully pot [112]	NW	5/7/11
273	EE	114	Drain [114] connecting to gully pot [112]	S	5/7/11
274	EE	115	Sandstone drain [115]	W	5/7/11
275	EE	116	General shot of Structure [116]	W	5/7/11
276	EE	116	General shot of Structure [116]	SW	5/7/11
277	EE	119	Cobbles/gully [119]	N	5/7/11

278	EE	120	Stairwell [120]	W	5/7/11
279	EE	117,118 + 123	Walls and surface at front of ST 3	S	5/7/11
280	EE	122	Wall [122] – possible end of ST 3	S	5/7/11
281	EE	124-125	Wall [124] and cobbles [125]	S	5/7/11
282	EE	127	General shot of structure N of ST 3 with wall [127]	SW	5/7/11
283	EE	126	Cut in wall [121]	W	5/7/11
284	EE	128	Truncated wall [128] in [121]	NW	5/7/11
285	EE	129	Cobbled Surface [129]	S	5/7/11
286	EE	130	Shot of cap over possible drain	N	5/7/11
287	EE		Shot showing machine base elements and possible wall	NW	5/7/11
288	EE	129	Truncated end of cobbles [129]	N	5/7/11
289	EE	131+132	Drain [131] and possible manhole [132]	N	5/7/11
290	EE	131	Drain [131] and cut through demolition under cobbles	S	5/7/11
291	EE	133	Shot through possible drain [133]	N	5/7/11
292	EE		General shot showing EE bund structures	NW	5/7/11
293	NWE		Line of tunnel showing truncation	SE	5/7/11
294	CS		Working shot – Phase 2A	N	5/7/11
295	CS		Working shot – Phase 2A	NW	5/7/11
296	CS		Working shot – Phase 2A	N	5/7/11
297	CS		1 st base in Phase 2A	NE	6/7/11
298	CS	135	W-facing section of pit [135]	W	6/7/11
299	CS	135	E-facing section of pit [135]	E	6/7/11
300	CS		Base excavated	SW	6/7/11
301	SW	139	Foundation cut [139] – post ex	N	6/7/11
302	SW	143	Post-ex shot of floor [091] showing [143]	N	7/7/11
303	SW	149	Remnant of possible wall under [091]	SE	7/7/11
304	SW	099	Shot showing [099] and wall [093]	S	7/7/11
305	SW	099	Shot showing [099] and wall [093]	W	7/7/11
306	SW	155	W-facing section of pit [155]	W	7/7/11
307	SW	155	Plan shot of pit [155]	N	7/7/11
308	SW	093	W-facing section of wall [093]	W	7/7/11
309	SW	093	W-facing section of wall [093]	W	7/7/11
310	CS		Bases filling up with water	S	7/7/11
311	CS		Bases filling up with water	N	7/7/11

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Frame	Area	F. No	Description	From	Date
1	-	-	Registration Shot	-	9/7/11
2	CS		Working shot digging phase 2	W	9/7/11
3	CS		Base dug – no archaeology	W	9/7/11
4	CS		Possible features at depth required	S	9/7/11
5	CS		Next base clear	NW	9/7/11
6	CS		Features in base	SW	9/7/11
7	CS	161-167	General shot of features	N	10/7/11
8	CS	161	Wall [161] truncated by piling	NE	10/7/11
9	CS	162-164	Possible flue/drain	N	10/7/11
10	CS	165-166	Floor in section and base deposit	N	10/7/11
11	CS		Possible continuation of flue	S	10/7/11
12	CS		Small section of possible flue covered	W	11/7/11
13	CS		Base after removal of some stones from [161]	NE	11/7/11
14	CS		All features covered in polythene	SW	11/7/11
15	WE		Removal of Barrack wall	S	11/7/11
16	CS		Working shot of foundations	SW	11/7/11
17	CS		Bases becoming waterlogged	SW	11/7/11
18	CS	155	Post ex shot of linear [155]	NE	11/7/11
19	CS		Strip foundation	NE	11/7/11
20	CS		Pile in middle of next base	SW	11/7/11

21	CS		Possible feature in base	SW	11/7/11
22	CS	171	General shot of features in base	SE	12/7/11
23	CS	171	General shot of features in base	E	12/7/11
24	CS	171	General shot of features in base	W	12/7/11
25	CS	171	Section showing deposits [170] and [173]	N	12/7/11
26	CS		[171] etc covered with stone	N	12/7/11
27	CS		Polythene and cage put in over [171]	SE	12/7/11
28	CS	176	Sandstone in section of foundation	NE	12/7/11
29	CS		Re-deposited clay layer in base	N	13/7/11
30	CS		Pile in middle of base	W	13/7/11
31	CS		Concrete removed	S	13/7/11
32	CS		Final base of the day excavated	SW	13/7/11
33	CS		Base not reaching below backfilled stone	SE	14/7/11
34	WE		Small wall revealed	SW	14/7/11
35	WE		Cut in clay for Railway	NE	14/7/11
36	WE		Deposits heavily truncated by roots	SW	14/7/11
37	CS		Base not breaking through backfilling	E	14/7/11
38	WE		Sandstone wall	E	14/7/11
39	WE		Modern deposits under concrete	SE	14/7/11
40	WE		Feature in wall (027)	SE	14/7/11
41	WE		Early brick feature	S	14/7/11
42	WE		Feature found in evaluation	S	14/7/11
43	WE		Large tree at end of the bund	S	14/7/11
44	SW		Small waster pit under pighouse	W	14/7/11
45	SW	178	Waster pit [178] + other deposits	S	14/7/11
46	SW	178	Waster pit [178] + other deposits	N	14/7/11
47	EE		Barrack wall being reduced onto features	SW	15/7/11
48	WE	183-193	SSW facing section of deposits cut by Barrack wall	SW	15/7/11
49	WE	183-193	SSW facing section of deposits cut by Barrack wall	SW	15/7/11
50	WE	194	Shot of wall [194]	E	18/7/11
51	WE	195-196	Features in wall [027]	E	18/7/11
52	CS		Final base dug – too waterlogged to see	S	18/7/11
53	WE	027	General shot showing foundation and deposits N of [194]	S	18/7/11
54	WE	197-201	Deposits S of wall [201]	S	18/7/11
55	WE	198	Probable robbed out wall	E	18/7/11
56	WE	197+199	Re-deposited clay and natural	N	18/7/11
57	WE	201+203	Wall [201] and cobbles [203]	SE	18/7/11
58	WE	201+203	Wall [201] and cobbles [203]	E	18/7/11
59	WE	027	Area of possible feature on wall [027]	E	18/7/11
60	NEE		Working shot	SE	19/7/11
61	NEE	207	Shot of walls and deposits in NEE - section	W	19/7/11
62	NEE	207	Shot of walls and deposits in NEE – section	W	19/7/11
63	NEE	207	General shot of structure [207] – plan	NW	19/7/11
64	NEE	210	Shot of deposit [210]	N	19/7/11
65	NEE		Shot of section in embankment	SW	19/7/11
66	NEE	207	Post-ex of structure [207] – plan	N	20/7/11
67	NEE	207	W-facing section of structure [207]	W	20/7/11
68	NEE		Cobbles in NEE	S	20/7/11
69	NEE		Edge of cobbles and subsoil	E	20/7/11
70	NEE		Northern end of cobbles	SE	20/7/11
71	NEE	209	Shot of wall [209] from above	E	21/7/11
72	NEE	220-222	General shot of cobbles [220] and walls	N	21/7/11
73	NEE	222	Wall [222] showing truncation	N	21/7/11
74	WE	223	Probable Urinal drain in wall [027]	E	21/7/11
75	WE		Urinal drain cemented	E	21/7/11
76	WE	224	Shot of wall [224]	E	22/7/11
77	WE	224	Length shot of wall [224]	S	22/7/11
78	WE	224-225	Shot of infill of wall [224]	S	22/7/11
79	WE		Area covered with terram to protect	S	22/7/11

80	WE	239	General shot of [239]	S	22/7/11
81	WE	237+239	Shot showing [237] + [239]	E	22/7/11
82	WE	235	Shot showing edge of [235]	N	22/7/11
83	WE	235	E-facing section showing [235]	E	22/7/11
84	WE	228	Deposits under cobbles [228]	E	22/7/11
85	EE		Working shot of Structure [065] removal	N	26/7/11
86	WE		[239] under terram	S	26/7/11
87	EE		Section of deposits under cobbles	N	26/7/11
88	EE		Working shot showing drain	S	26/7/11
89	EE		Wooden log securing metal rods	-	26/7/11
90	EE		Floor (070) under arch – waterlogged	W	26/7/11
91	EE		Cut in natural for metal rod	S	26/7/11
92	EE	104	N-facing section through Structure [104] make-up deposits	N	27/7/11
93	SW		Stripping in SW corner	S	27/7/11
94	EE	131	S-facing section of drain [131]	S	27/7/11
95	EE	244	Shot showing drain under [133] – [244]	W	27/7/11
96	EE	131+244	Shot showing [244] connected to [131]	E	27/7/11
97	SW		Stripping in SW corner – not deep enough	SE	28/7/11
98	EE	246-247	General shot showing [246], [247] and [131]	N	28/7/11
99	EE	246	Shot showing [246]	SW	28/7/11
100	EE	247	Shot of drain [247]	W	28/7/11
101	SW		Area stripped in SW corner	S	28/7/11
102	EE	248	Sandstone courses of [246] and fill [248]	N	29/7/11
103	EE	120+115	S-facing elevation of stairwell [120] with drain [115] underneath	S	29/7/11
104	EE	115	Drain [115] cut into clay natural	N	29/7/11
105	EE	112	N-facing elevation of drain pot [112]	N	29/7/11
106	EE	252	Cut [252] in clay for metal rod	W	29/7/11
107	EE	254-256	Foundations at SE end of Area – ST2	SW	29/7/11
108	EE	254-256	Foundations at SE end of Area – ST2	NW	29/7/11
109	EE	077	Wall and drain intersection	W	29/7/11
110	EE	077	Wall and drain intersection	S	29/7/11
111	SW		More of area stripped – courtyard partially revealed	SW	29/7/11
112	EE	070	Floor [070] going back between [084] and [079]	W	1/8/11
113	EE	258	Wall [258] abutting barrack wall [147]	W	1/8/11
114	CS		Working shot of drainage	S	2/8/11
115	CS		Section in manhole	S	2/8/11
116	CS		Backfilled stone on clay	NW	2/8/11
117	CS		Working shot of brace pads being dug	SE	3/8/11
118	CS		Drainage dug without supervision	N	8/8/11
119	SW		Corner being reduced – working shot	E	9/8/11
120	SW		Modern foundations removed	SE	9/8/11
121	CS		Drainage track through pre-barrack made ground	S	10/8/11
122	CS		Water in drainage track	S	10/8/11
123	CS		Some sandstone remnants in section	S	10/8/11
124	CS		Working shot of manhole excavation	E	13/8/11
125	CS		Section showing no archaeology above natural clay	N	13/8/11
126	SW		Working shot of stripping revealing sandy made ground	S	15/8/11
127	SW		Modern foundations truncating site	S	15/8/11
128	SW		Probable flue revealed	S	15/8/11
129	SW		Possible kiln	S	15/8/11
130	SW	259+260	General shot of walls [259] and [260]	S	15/8/11
131	SW	259+260	General shot of walls [259] and [260]	N	15/8/11
132	CS		Section of drainage channel	SW	16/8/11
133	SW		Small area stripped east of [260]	W	16/8/11
134	SW		More stripped in SW corner	S	16/8/11
135	SW	264	Shot showing [264] and [267]	N	16/8/11
136	SW	265	Drain [265] and wall [266]	N	16/8/11
137	SW	264-268	General shot showing features [264] and [265]	S	16/8/11

138	CS		Drainage channel working shot	S	16/8/11
139	SW		Stripping not going to significant depth	S	16/8/11
140	SW		Features covered with terram and type 1	S	16/8/11
141	CS		Main drain shot – waterlogged	NW	17/8/11
142	CS		Shot showing modern disturbance	NE	17/8/11
143	CS		Shot showing cut for evaluation trench	NE	17/8/11
144	CS		Shot showing other side of evaluation trench	NE	18/8/11
145	CS		Drain line becoming waterlogged	NE	18/8/11
146	CS		Section showing layers of made ground down to clay	W	18/8/11
147	CS		General shot of made ground deposits	NW	18/8/11
148	CS		General shot of drainage track onto clay	S	18/8/11
149	CS		Ceramic pipe in trench	N	18/8/11
150	CS		Rail terminal in trench	N	18/8/11
151	CS		Sleepers at depth	N	18/8/11
152	CS		Disturbed made ground	NE	18/8/11
153	CS		Drainage track onto re-deposited clay	NE	18/8/11
154	CS		Working shot	E	18/8/11
155	CS		Concrete slab at 1.5m	E	18/8/11
156	CS		Made ground west of slab	E	18/8/11
157	CS		Top of an old sewer	E	18/8/11
158	CS		General shot of drainage track	W	18/8/11
159	OSW		Made ground in electrical trench	W	23/8/11
160	OSW		Made ground in electrical trench	W	23/8/11
161	OSW		Sewer truncation	W	23/8/11
162	OSW		Section showing sewer cut in clay	N	23/8/11
163	OSW		Virgin cables in trench	W	23/8/11
164	OSW		Modern service truncating clay	W	24/8/11
165	OSW		General shot of off-site trench	W	24/8/11
166	OSW		General shot of off-site trench	W	24/8/11
167	OSW		General shot of off-site trench	W	25/8/11
168	OSW		Water main in re-deposited clay	S	25/8/11
169	OSW		General shot of off-site trench	W	25/8/11
170	OSW		BT cables in made ground	S	25/8/11
171	OSW		Shot showing services and wall	S	25/8/11
172-3	SW	279	SW section of wall [279]	SW	27/8/11
174-5	SW	279	NE section of wall [279]	NE	27/8/11
176-7	SW	279	Plan of wall [279] post ex	NW	27/8/11
178	SW		General shot of deposits in trench	E	2/9/11
179	SW		Shot showing deposits in section – S facing	S	5/9/11
180	SW		Working shot	S	5/9/11
181	SW		Shot showing deposits in section – E facing	E	5/9/11
182	SW		Drainage trench digging through canteen area	S	5/9/11
183	SW		Shot of hole for water tank	S	5/9/11
184	SW		Ceramic drain in trench at depth	SW	7/9/11
185	SW		Brick surface or structure revealed	SW	7/9/11
186	SW		Brick feature cut by manhole	NE	8/9/11
187	SW		Shot showing other section	W	8/9/11
188	SW		Shot showing other section	W	8/9/11
189	SW	280	W-facing section of flue [280]	NW	8/9/11
190	SW	280	E-facing section of flue [280]	E	8/9/11
191	SW	280	E-facing section of flue [280]	NE	8/9/11
192	SW		Better shot of flue – w facing	W	9/9/11
193	SW	280	W-facing section of flue [280]	W	9/9/11
194	SW	280	E-facing section of flue [280]	E	9/9/11
195	SW		Trench for manhole box	S	9/9/11
196	SW		Evaluation Trench 1 north of flue [280]	SW	9/9/11
197	SW		Working shot	SW	9/9/11
198	SW		Orange brick and tile deposit	SW	9/9/11
199	SW		End of orange deposit	SW	10/9/11

200	SW		Depth of orange deposit decreasing	SW	10/9/11
201	SW	282-286	General shot of wall [282] and surface [283]	W	12/9/11
202	SW	283-285	General shot of wall [284] and surface [283]	E	12/9/11
203	SW	282-286	Overview of filtration drain trench	E	12/9/11
204	SW		Shot showing end of [261] then clay natural under backfilled deposit	SW	14/9/11
205	SW		Last section of filtration drain	E	15/9/11
206	SW		Small tail at end of filtration drain	SW	16/9/11
207	SW		Water pipe trench (N end)	S	16/9/11
208	SW		Water pipe trench (S end)	N	16/9/11
209	SW		Water pipe trench over sewer	S	16/9/11
210	OSW		Trench excavated without supervision	W	21/9/11
211	OSW		Working shot	W	21/9/11
212	OSW		Shot of madeground and clay in section	SW	21/9/11
213	OSW		Shot of rubble layer in section	SW	21/9/11
214	OSW		Concrete and post	SW	21/9/11
215	OSW		Madeground where pottery building should be!!	SW	21/9/11
216	SW		Concrete slab in service yard	SW	26/9/11
217	SW		Section of manhole for DSD	S	26/9/11
218	SW		Drain [265] now removed	N	26/9/11

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Frame	Area	F. No	Description	From	Date
1	-	-	Registration Shot	-	4/10/11
2	SW		Working shot of sewer trench	S	4/10/11
3	OSW		Shot showing sewer cut in clay	W	5/10/11
4	OSW		Shot showing E-facing section	SE	5/10/11
5	SW		Water pipe trench section	NW	5/10/11
6	SW		Small section of brick exposed by hand	N	5/10/11
7	SW		Water pipe trench cont.	W	5/10/11
8	CS		Contaminated deposit in storm drain	SE	6/10/11
9	CS		Orange deposit and modern wall	SE	6/10/11
10	CS		Concrete base	SE	7/10/11
11	CS		Possible remains of structure	N	7/10/11
12	CS		Deposit [287] in N-facing section	NE	7/10/11
13	CS	288	N-facing section of kiln [288]	N	7/10/11
14	CS	288	Close-up of kiln [288]	NW	7/10/11
15	-		Everybody working hard	-	7/10/11
16	-		Everybody working hard	-	7/10/11
17	SW		Old pipe in sewer track	W	7/10/11
18	SW		Trench waterlogged at peat level	SW	7/10/11
19	SW		Pipe trench - south side of site	S	10/10/11
20	SW		Manhole pit section	S	10/10/11
21	SW		Sewer trench with piling	S	11/10/11
22	SW		Section of pipe trench	E	13/10/11
23	SW		Other section of pipe trench	W	13/10/11
24	SW		Rubble fill of modern service	W	15/10/11
25	SW		Manhole section (w-facing)	W	15/10/11
26	SW		Section of storm drain trench	N	17/10/11
27	SW		Duct trench at 0.35 m depth	W	19/10/11
28	SW		Duct trench at 1.2m depth	W	19/10/11
29	SW		Top of flue revealed	W	19/10/11
30	SW		Flue partially cleaned	W	19/10/11
31	SW	293	Flue [293] in duct trench	E	19/10/11
32	SW	293	Flue [293] in duct trench	NE	19/10/11
33	SW		Top taken off flue [293]	E	19/10/11
34	SW		View into flue showing blockage	NE	19/10/11
35	SW		Trench finished	E	20/10/11

36	SW		Peat under pottery levelling layer	E	20/10/11
37	SW		Section of final manhole	N	23/10/11
38	SW		Working shot of track for storm drain	NW	23/10/11
39	SW		Pottery deposit disturbed by barrack structures	N	23/10/11
40	SW		Water pipe in storm drain	N	24/10/11
41	SW		N-facing section of wall foundation	N	24/10/11
42	SW		Stables foundation in S-facing section	S	24/10/11
43	SW		Re-deposited clay	S	24/10/11

Black & White Film No. 1

Frame	Area	F. No	Description	From	Date
1-2	-	-	Registration	-	18/4/11
3-4	T1	103	Shot of pit [103] in T1	W	18/4/11
5-6	T1	103	Shot of pit [103] in T1	S	18/4/11
7-8	T1	101	Shot of waster pit [101] with deposit overlying	S	18/4/11
9-10	T1	101	Shot of pit [101] in section of T1	E	18/4/11
11-12	T1	-	General shot of trench	S	18/4/11
13-14	T2	-	General post-ex shot	N	18/4/11
15-16	T3	-	General post-ex shot	N	19/4/11
17-18	T3	-	W-facing section of Trench 3	W	19/4/11
19-20	SW	002	Concreted surface [002]	SW	10/5/11
21-22	SW	003-004	Sandstone cobbling [003] and wall [004]	W	11/5/11
23-24	SW	003	Sandstone cobbling [003]	S	11/5/11
25-26	SW	004	Wall remnants [004] and deposit [007]	S	11/5/11
27-28	SW	004	Wall [004] and cobbles [006]	W	11/5/11
29-30	SW	002-007	General shot of features in SW corner	N	11/5/11
31-32	SW	009-010	Shot of walls [009] and [010]	S	13/5/11
33-34	SW	009-010	Shot of walls [009] and [010]	N	13/5/11
35-36	SW	008,9,11	Section showing deposits and possible cut next to wall [009]	E	13/5/11

Black & White Film No. 2

Frame	Area	F. No	Description	From	Date
1-2	-	-	Registration	-	13/5/11
3-4	SW	008,10,12	Section showing deposits and cut next to [010]	E	14/5/11
5-6	SW	015	Cobbles next to wall [009]	S	14/5/11
7-8	SW	016	General shot of wall [016]	SW	16/5/11
9-10	SW	016-019	General shot of possible cellar	E	16/5/11
11-12	SW	018	Brick feature in wall [016]	NE	16/5/11
13-14	SW	019	Feature cut into wall [017]	SE	16/5/11
15-16	SW	029	Drain [029] in Test Pit 1	NE	19/5/11
17-18	SW	029	Drain [029] in Test Pit 1	S	19/5/11
19-20	SW	027, 028	Cut for drain in Barrack wall [027]	SE	19/5/11
21-22	SW	017, 031	Shot of canteen floor [031] in Test Pit 3	SE	20/5/11
23-24	SW	032	Shot of drain [032] in Test Pit 3	NE	20/5/11
25-26	CS	039	General shot of flue [039]	S	27/5/11
27-28	CS	039	Shot showing section of flue and [040]	N	27/5/11
29-30	CS	033	W-facing section of pit [033]	SW	28/5/11
31-32	CS	033	W-facing section of pit [033]	W	28/5/11
33-34	CS	043-045	Wall [043] and drain [045]	N	30/5/11
35-36	CS	044	Wall [044] and [043] at corner	W	30/5/11
37	CS	045	Drain [045] through wall [044]	S	30/5/11

Black & White Film No. 3 (Same as HBR Film No. 4)

Frame	Area	F. No	Description	From	Date
1	-	-	Registration	-	19/5/11
2-3	ST		Eastern recess in tunnel wall (N)	S	19/5/11

4-5	ST		Eastern recess in tunnel wall (S)	N	19/5/11
6-7	ST		General shot of rifle range	E	19/5/11
8-9	ST		General shot of brick foundations	SE	19/5/11
10-12	ST		General shot of rifle range	W	19/5/11
13-14	ST		Shot of range and recess in tunnel	SW	19/5/11
15-16	ST		Shot of foundations for range (W)	SE	19/5/11
17-18	ST		Shot showing blocked end	E	19/5/11
19-20	ST		Shots of targets found nearby	S	19/5/11

Black & White Film No. 4

Frame	Area	F. No	Description	From	Date
1-2	-	-	Registration	-	30/5/11
3-4	CS	047-048	Wall [047] and feature [048]	N	30/5/11
5-6	CS	043-048	General shot of soldiers barracks	NE	30/5/11
7-8	SW	060	General shot of canteen	SW	3/6/11
9-10	SW	060	General shot of canteen	S	3/6/11
11-12	SW	060	General shot of canteen	NE	3/6/11
13-14	SW	060	General shot of canteen – NE end	SE	3/6/11
15-16	SW	057-059	Shot of channel and well/drain	SW	3/6/11
17-18	SW	056	Shot of drain [056] under floor [031]	SE	3/6/11
19-20	SW	054	Shot of drain [054] under floor [031]	NE	3/6/11
21-22	SW	055	Entrance step and floor [055]	NW	3/6/11
23-24	SW	031	General shot of floor [031] – S corner	N	3/6/11
25-26	SW	058	Brick lining of well [058]	SE	4/6/11
27-28	SW	059	NW facing section of [059]	NW	4/6/11
29-30	NWE	061-064	General shot of [061] and surrounds	N	10/6/11
31-32	NWE	061	Sandstone feature [061]	S	10/6/11
33-34	NWE	061	Close-up of [061]	N	10/6/11
35-36	EE	065	General shot of Structure [065]	NW	22/6/11
37	EE	066	Shot of external wall [066]	N	22/6/11

Black & White Film No. 5

Frame	Area	F. No	Description	From	Date
1-2	-	-	Registration	-	22/6/11
3-4	EE	067	Elevation of sandstone arch	W	22/6/11
5-6	EE	070	Floor [070] in slot through [078]	W	22/6/11
7-8	EE	072	Bottom section of stairwell [072]	SW	22/6/11
9-10	EE	072	Entrance to stairwell [072]	W	22/6/11
11-12	EE	065	General shot showing top of Structure [065]	S	22/6/11
13-14	EE	073	Top of stairwell [072] – [073]	W	22/6/11
15-16	EE	071	Sand and Lime surface with drain [075]	NW	22/6/11
17-18	EE	079	Sandstone surface and surrounding drains [080] – [083]	N	22/6/11
19-20	EE	084	Shot showing wall [084]	N	22/6/11
21-22	EE	067	Shot showing cuts in top of arch [067]	N	22/6/11
23-24	EE	085	Sandstone walls [084] and [085]	S	22/6/11
25-26	SW	090-093	General shot of floor [091] and walls	W	28/6/11
27-28	SW	091	Brick slab floor [091]	E	28/6/11
29-30	SW	090-095	General shot of floor, walls and kiln	N	28/6/11
31-32	SW	094-095	Shot of kiln [094]	W	28/6/11
33-34	SW	092	Sandstone wall [092]	N	28/6/11
35-36	SW	093	Sandstone wall [093]	N	28/6/11

Black & White Film No. 6

Frame	Area	F. No	Description	From	Date
1-2	-	-	Registration	-	29/6/11
3-4	SW	098-099	Deposits [098] and [099]	N	29/6/11

5-6	SW	098-099	Deposits [098] and [099]	W	29/6/11
7-8	SW	100	Floor of kiln in sampled area	NW	29/6/11
9-10	SW	094+100	Post-ex of kiln [094] showing [100]	S	4/7/11
11-12	SW	096+098	S-facing section through [096] and [098]	S	4/7/11
13-14	SW	099	S-facing section through [099]	S	4/7/11
15-16	SW		Slot under [091] and small area to the west	S	4/7/11
17-18	EE	077	Shot showing section of drain [077]	NW	4/7/11
19-20	EE	104	General shot of Structure [104]	S	4/7/11
21-22	EE	104	General shot of Structure [104]	W	4/7/11
23-24	EE	104	Shot of sandstone buttresses in ST 2	N	4/7/11
25-26	EE	109	Arched brick drain in Structure [104] – section	SW	4/7/11
27-28	EE	109	Shot of drain and Structure [104]	NW	4/7/11
29-30	EE	109	Drain [109] running SW	NE	4/7/11
31-32	EE	103	Floor of drain [103]	SW	4/7/11
33-34	EE	112	Gully pot [112]	NW	5/7/11
35-36	EE	114	Drain [114] connecting to gully pot [112]	S	5/7/11
37-38	EE	115	Sandstone drain [115]	W	5/7/11

Black & White Film No. 7

Frame	Area	F. No	Description	From	Date
1-2	-	-	Registration	-	5/7/11
3-4	EE	116	General shot of Structure [116]	W	5/7/11
5-6	EE	116	General shot of Structure [116]	SW	5/7/11
7-8	EE	119	Cobbles/gully [119]	N	5/7/11
9-10	EE	120	Stairwell [120]	W	5/7/11
11-12	EE	117,118 + 123	Walls and surface at front of Structure [116]	S	5/7/11
13-14	EE	122	Wall [122] – possible end of Structure [116]	S	5/7/11
15-16	EE	124-125	Wall [124] and cobbles [125]	S	5/7/11
17-18	EE	127	General shot of structure N of Structure [116] with wall [127]	SW	5/7/11
19-20	EE	126	Cut in wall [121]	W	5/7/11
21-22	EE	128	Truncated wall [128] in [121]	NW	5/7/11
23-24	EE	129	Cobbled Surface [129]	S	5/7/11
25-26	EE	130	Shot of cap over possible drain	N	5/7/11
27-28	EE	-	Shot showing machine base elements and possible wall	NW	5/7/11
29-30	EE	129	Truncated end of cobbles [129]	N	5/7/11
31-32	EE	131+132	Drain [131] and possible manhole [132]	N	5/7/11
33-34	EE	131	Drain [131] and cut through demolition under cobbles	S	5/7/11
35-36	EE	133	Shot through possible drain [133]	N	5/7/11
37	EE	-	General shot showing EE bund structures	NW	5/7/11

Black & White Film No. 8

Frame	Area	F. No	Description	From	Date
1-2	-	-	Registration	-	5/7/11
3-4	CS	135	W-facing section of pit [135]	W	6/7/11
5-6	CS	135	E-facing section of pit [135]	E	6/7/11
7-8	SW	139	Foundation cut [139] – post ex	N	6/7/11
9-10	SW	143	Post-ex shot of floor [091] showing [143]	N	7/7/11
11-12	SW	149	Remnant of possible wall under [091]	SE	7/7/11
13-14	SW	099	Shot showing [099] and wall [093]	S	7/7/11
15-16	SW	099	Shot showing [099] and wall [093]	W	7/7/11
17-18	SW	155	W-facing section of pit [155]	W	7/7/11
19-20	SW	155	Plan shot of pit [155]	N	7/7/11
21-22	SW	093	W-facing section of wall [093]	W	7/7/11
23-24	CS	161-167	General shot of features	N	10/7/11
25-26	CS	161	Wall [161] truncated by piling	NE	10/7/11

27-28	CS	162-164	Possible flue/drain	N	10/7/11
29-30	CS	165-166	Floor in section and base deposit	N	10/7/11
31-32	CS	155	Post ex shot of linear [155]	NE	11/7/11
33-34	CS	171	General shot of features in base	SE	12/7/11
35-36	CS	171	General shot of features in base	E	12/7/11

Black & White Film No. 9

Frame	Area	F. No	Description	From	Date
1-2	CS	171	General shot of features in base	W	12/7/11
3-4	CS	171	Section showing deposits [170] and [173]	N	12/7/11
5-6	-	-	Registration	-	12/7/11
7-8	CS	176	Sandstone in section of foundation	NE	12/7/11
9-10	SW	178	Waster pit [178] + other deposits	S	14/7/11
11-12	SW	178	Waster pit [178] + other deposits	N	14/7/11
13-14	WE	183-193	SSW facing section of deposits cut by Barrack wall	SW	15/7/11
15-16	WE	183-193	SSW facing section of deposits cut by Barrack wall	SW	15/7/11
17-18	WE	194	Shot of wall [194]	E	18/7/11
19-20	WE	195-196	Features in wall [027]	E	18/7/11
21-22	WE	027	General shot showing foundation and deposits N of [194]	S	18/7/11
23-24	WE	197-201	Deposits S of wall [201]	S	18/7/11
25-26	WE	198	Probable robbed out wall	E	18/7/11
27-28	WE	197+199	Re-deposited clay and natural	N	18/7/11
29-30	WE	201+203	Wall [201] and cobbles [203]	SE	18/7/11
31-32	WE	201+203	Wall [201] and cobbles [203]	E	18/7/11
33-34	WE	027	Area of possible feature on wall (027)	E	18/7/11
35-36	NEE	207	Shot of walls and deposits in NEE - section	W	19/7/11
37	NEE	207	Shot of walls and deposits in NEE – section	W	19/7/11

Black & White Film No. 10

Frame	Area	F. No	Description	From	Date
1-2	-	-	Registration	-	19/7/11
3-4	NEE	207	General shot of structure [207] – plan	NW	19/7/11
5-6	NEE	210	Shot of deposit [210]	N	19/7/11
7-8	NEE	207	Post-ex of structure [207] – plan	N	20/7/11
9-10	NEE	207	W-facing section of structure [207]	W	20/7/11
11-12	NEE	209	Shot of wall [209] from above	E	21/7/11
13-14	NEE	220-222	General shot of cobbles [220] and walls	N	21/7/11
15-16	NEE	222	Wall [222] showing truncation	N	21/7/11
17-18	WE	223	Probable Urinal drain in wall [027]	E	21/7/11
19-20	WE	224	Shot of wall [224]	E	22/7/11
21-22	WE	224	Length shot of wall [224]	S	22/7/11
23-24	WE	224-225	Shot of infill of wall [224]	S	22/7/11
25-26	WE	239	General shot of [239]	S	22/7/11
27-28	WE	237+239	Shot showing [237] + [239]	E	22/7/11
29-30	WE	235	Shot showing edge of [235]	N	22/7/11
31-32	WE	235	E-facing section showing [235]	E	22/7/11
33-34	WE	228	Deposits under cobbles [228]	E	22/7/11
35-36	EE	104	N-facing section through Structure [104] make-up deposits	N	27/7/11

Black & White Film No. 11

Frame	Area	F. No	Description	From	Date
1-2	-	-	Registration	-	27/7/11
3-4	EE	131	S-facing section of drain [131]	S	27/7/11
5-6	EE	244	Shot showing drain under [133] – [244]	W	27/7/11
7-8	EE	131+244	Shot showing [244] connected to [131]	E	27/7/11
9-10	EE	246-247	General shot showing [246], [247] and [131]	N	28/7/11

11-12	EE	246	Shot showing [246]	SW	28/7/11
13-14	EE	247	Shot of drain [247]	W	28/7/11
15-16	EE	248	Sandstone courses of [246] and fill [248]	N	29/7/11
17-18	EE	120+115	S-facing elevation of stairwell [120] with drain [115] underneath	S	29/7/11
19-20	EE	115	Drain [115] cut into clay natural	N	29/7/11
21-22	EE	112	N-facing elevation of drain pot [112]	N	29/7/11
23-24	EE	252	Cut [252] in clay for metal rod	W	29/7/11
25-26	EE	254-256	Foundations at SE end of Area – ST2	SW	29/7/11
27-28	EE	254-256	Foundations at SE end of Area – ST2	NW	29/7/11
29-30	EE	077	Wall and drain intersection	W	29/7/11
31-32	EE	077	Wall and drain intersection	S	29/7/11
33-34	EE	070	Floor [070] going back between [084] and [079]	W	1/8/11
35-36	EE	258	Wall [258] abutting barrack wall [147]	W	1/8/11

Black and White Film No. 12

Frame	Area	F. No	Description	From	Date
1-2	SW	259+260	General shot of walls [259] and [260]	S	15/8/11
3-4	SW	259+260	General shot of walls [259] and [260]	N	15/8/11
5-6	-	-	Registration	-	15/8/11
7-8	SW	264	Shot showing feature [264] and wall [267]	N	16/8/11
9-10	SW	265	Drain [265] and wall [266]	N	16/8/11
11-12	SW	264-268	General shot showing features [264] and [265]	S	16/8/11
13-15	SW	279	General of gas pipe trench – wall [279]	SW	27/8/11
16-19	SW	279	Plan of gas pipe trench, wall [289] post ex	NW	27/8/11
20-21	SW	280	W-facing section of flue [280]	NW	8/9/11
22-23	SW	280	E-facing section of flue [280]	E	8/9/11
24-25	SW	280	E-facing section of flue [280]	NE	8/9/11
26-27	SW	280	W-facing section of flue [280]	W	9/9/11
28-29	SW	280	E-facing section of flue [280]	E	9/9/11
30-31	SW	282-286	General shot of wall [282] and surface [283]	W	12/9/11
32-33	SW	283-285	General shot of wall [284] and surface [283]	E	12/9/11
34-35	SW	282-286	Overview of filtration drain features	E	12/9/11

Black and White Film No. 13

Frame	Area	F. No	Description	From	Date
1-2	CS	288	N-facing section of kiln [288]	N	7/10/11
3-4	CS	288	Close-up of kiln [288]	N	7/10/11
5-6	-	-	Registration	-	7/10/11
7-8	SW		Pipe trench through south area of site	S	10/10/11
9-10	SW		Manhole pit section	S	10/10/11
11-12	SW	293	Flue [293] in duct trench	E	19/10/11
13-14	SW	293	Flue [293] in duct trench	NE	19/10/11

APPENDIX 4: DRAWING REGISTER

Drawing No.	Area	Feature No.	Details	Scale
1	SW	002-007	Plan of features in SW corner	1:50
2	SW	008-012	Plan of walls [009] and [010] etc under Plinth 3	1:20
3	SW	017 + 019	SE facing elevation of features [019] in wall [017]	1:10
4	ST	021-026	Plan of South Tunnel [021] and WWII firing range [025]	1:50
5	SW	027-029	Plan of drain [029] within Test Pit 1	1:20
6	SW	031 + 032	Overlay of Test Pit 3 after removing floor [031]	1:20
7	CS	033-040	Plan of Flue [039] at 1:20 + Waster Pit [033] at 1:50	Var
8	CS	033	W-facing section of waster pit [033]	1:20
9	CS	033-040	Sketch plan showing location of baseline – Dwg # 7	NTS
10	CS	043-049	Plan of walls [043], [044] + [047] of soldiers barracks	1:50
11	SW	052-060	Plan of Canteen Cellar	1:20
12	NWE	061-064	Plan of sandstone feature [061] in NW embankment	1:20
13	EE	065	Plan of EE bund – [0-10m along baseline]	1:20
14	EE	104	Plan of EE bund – [10-20m along baseline]	1:20
15	EE	120	Plan of EE bund – [20-30m along baseline]	1:20
16	EE	125	Plan of EE bund – [30-40m along baseline]	1:20
17	EE	131	Plan of EE bund – [40-50m along baseline]	1:20
18	SW	090-095	Plan of pottery building and kiln	1:20
19	CS	135-137	W-facing section of base in Phase 2A	1:10
20	CS	135-137	E-facing section of base in Phase 2A	1:10
21	CS	135	Sketch plan of pit [135] in base Q7	NTS
22	SW	155	W-facing section of pit [155]	1:10
23	SW	093	W-facing section of wall [093]	1:10
24	SW	155	Overlay plan of Pighoose Pottery – post ex	1:20
25	CS	161-167	Plan of features in foundation base	1:20
26	CS	171	Plan of features in foundation base	1:20
27	SW	178	Overlay plan of Pighoose Pottery showing pit [178]	1:20
28	WE	183-193	SSW-facing section of deposits cut by Barrack wall	1:10
29	WE	194-201	Plan of WE bund features (Part 1) – 5.12m from end of buildings	1:20
30	NEE	207	W-facing section of structure [207]	1:10
31	NEE	207-222	Plan of structure [207] and cobbles [222]	1:20
32	WE	224	Plan of flue [224]	1:20
33	WE	239	Plan of brick feature [239] and surrounds	1:20
34	WE	235	E-facing section showing cut [235]	1:20
35	EE	244	Overlay plan of EE bund showing drain [244]	1:20
36	EE	246-247	Overlay plan of EE bund showing [246]	1:20
37	EE	120 + 115	S-facing elevation of stairwell [120] and drain [115]	1:20
38	EE	115 + 254	Overlay plan showing drain [115] and cut [252] and St [104]	1:20
39	EE	070 + 258	Overlay plan showing (070) and wall (258)	1:20
40	SW	259-263	Plan of features [259] to [263]	1:20
41	SW	264 + 265	Continuation of plan No. 40 – 6m	1:20
42	SW	269	SW-facing section of wall [269]	1:20
43	SW	269	NE-facing section of wall [269]	1:20
44	SW	280	W-facing section of flue [280]	1:20
45	SW	280	E-facing section of flue [280]	1:20
46	SW	282-286	Plan of filtration drain features	1:20
47	CS	288	N-facing section of kiln [288] and associated sketch plan	1:10
48	SW	293	Plan of flue [293] in duct trench	1:20

APPENDIX 5: FINDS REGISTER

Finds No.	Area	Context No.	Description
1	T1	102	40 (+) x ceramic fragments
2	T1	102	70 x ceramic fragments
3	CS	035	Slag Lump
5	EE	U/S	6 x Ceramic smoking pipe bulbs (some decorated)
8	SW	020	4 x Ceramics from madeground in the canteen cellar
9	SW	020	Glass shards from canteen cellar
10	ST	025	Oil lamp from WWII firing range
11	SW	029	1 x Ceramic shard (green glazed)
12	SW	029	Bottom half of a glass bottle stamped "Edinburgh"
13	ST	025	Metal targets and boxes from WWII firing range
14	ST	025	Wooden 'Ambulance Box' lid from WWII firing range
15	CS	034	5 x ceramic fragments
16	CS	040	2 x ceramic fragments
17	CS	035	82 x ceramic fragments
18	CS	036	337 x ceramic fragments
19	CS	038	81 x ceramic fragments
20	CS	046	Animal horns and bones
23	CS	051	2 x buckets of cow horn
24	SW	020	Fe objects from demolition layer in canteen cellar
25	SW	059	Bone fragments from possible well
26	SW	059	6 x Ceramics from possible well
27	SW	059	Glass bottle fragment from possible well
28	SW	059	Probable Fe nail from possible well
29	SW	031	Fe object rusted in situ on canteen floor
32	EE	076	15 x Clay pipe stems/pottery and a button
33	EE	076	Possible Fe button and miscellaneous lump
34	EE	076	Copper alloy buttons and pin
36	EE	078	Copper coins
39	EE	081	2 x Clay pipes
40	EE	081	Possible bone object
41	SW	089	256 x ceramic fragments
42	SW	090	Tile and other CBM
43	SW	090	6 x Pottery shards
44	SW	092	1 x Green glazed pottery shard
45	SW	093	1 x Green glazed pottery shard
46	SW	097	22 x Pottery shards
47	SW	097	Glass shard
48	SW	095	5 x Ceramic objects in kiln
49	EE	102	60 x Ceramic shards
53	CS	136	3 x Ceramic shards
54	CS	136	Bone
55	SW	140	16 x Ceramic shards under wall (092)
56	SW	142	10 x Ceramic shards and daub
57	SW	141	Fe object
58	SW	141	7 x Various ceramic shards
59	SW	141	Bone fragments
60	SW	141	Glass shard
61	SW	141	Brass tap, copper coin and copper fragment
62	SW	149	Glass shard
63	SW	149	Lead coil
64	SW	096	4 x Ceramic shards
68	EE	134	15 (+) x Clay pipe fragments
69	EE	134	Fe object
70	EE	134	30 (+) x Pottery fragments
71	EE	134	Glass shards
72	EE	134	Animal bone

74	EE	134	Copper buttons and possible blade
75	SW	156	6 x Ceramic shards
76	CS	164	10 x Ceramic shards
77	CS	164	Wooden handle with broken tool attached
78	SW	157	4 x Ceramics
79	SW	149	Copper coin under wall (149)
80	CS	172	Red Brick
81	CS	172	Red Brick
83	SW	179	75 (+) x Waster pit pottery
84	WE	190	1 x Ceramics
85	WE	191	2 x Ceramics
86	WE	199	Glass bottle base and shards
88	WE	199	18 x Ceramics
89	WE	197	9 x Ceramics
90	NEE	210	156 x White ceramics – decorated and undecorated
91	NEE	210	61 x Red earthenware and other non-white ceramics
92	NEE	210	Copper alloy thimble, loop and other objects
93	NEE	210	Fe objects
94	NEE	210	5 x Clay pipe fragments
95	NEE	210	Possible lead alloy or other heavy metal object
96	NEE	210	White ceramic jug with pebble dash glaze – no handle
97	NEE	210	Leather strip
98	NEE	210	Glass shards and bottles
99	NEE	210	Brass seal/ stamp with part of wooden handle
100	NEE	210	Bone and shell
101	NEE	210	Ceramic jar
102	WE	183	Red Brick
103	WE	194	Red Brick
104	WE	224	Red Brick
105	WE	224	Elongated Red Brick
106	WE	231	5 x Ceramics
107	WE	233	1 x Green glazed ceramic
108	WE	233	Glass Shard/base inscribed with “James Blan”
109	WE	241	Fe objects
110	WE	241	Ceramic fragment and clay pipe bulb
111	EE	245	Fe objects
112	EE	245	Ceramic bottle stopper
113	EE	248	11 x Ceramics
114	EE	248	Fe objects
115	EE	131	Red Brick
116	EE	131	Red Brick
117	EE	077	Hand made red brick
118	EE	077	Hand made red brick
120	NEE	210	White ceramic plate (4 fragments)
123	CS	287	3 x Pottery shards
124	SW	293	Elongated brick
125	SW	293	Red brick

APPENDIX 6: SAMPLES REGISTER

Context No.	Area	Quantity (litres)
025	ST	40
095	SW	20
099	SW	10
156	SW	10
157	SW	10
240	WE	10
241	WE	10

APPENDIX 7: DISCOVERY AND EXCAVATION IN SCOTLAND REPORT

LOCAL AUTHORITY:	Glasgow City Council
PROJECT TITLE/SITE NAME:	239 Gallowgate, Glasgow: Historic Building Survey and Archaeological Works
PROJECT CODE:	21742
PARISH:	City of Glasgow
NAME OF CONTRIBUTOR:	Kevin Paton
NAME OF ORGANISATION:	AOC Archaeology Group
TYPE(S) OF PROJECT:	Historic Building Survey, Evaluation, Watching Brief and Excavation
NMRS NO(S):	NS66SW 6; NS66NW 113
SITE/MONUMENT TYPE(S):	Early 18 th century pottery and 1790's barracks
SIGNIFICANT FINDS:	<p>A large assemblage of red earthenware jug fragments dating from the 17th and 18th century.</p> <p>Several coins and other brass/copper objects from the 18th century pottery works.</p> <p>A number of ceramic and glass artefacts from the military barracks as well as a number of brass military buttons.</p>
NGR (2 letters, 6 figures)	NS 602 649
START DATE (this season)	20 th April 2011
END DATE (this season)	24 th October 2011
PREVIOUS WORK (inc DES)	A desk based study and evaluation was undertaken in January 2003 by FIRAT Archaeological Services
MAIN (NARRATIVE) DESCRIPTION: (May include information from other fields)	<p>A programme of archaeological works was required prior to a supermarket development at 239 Gallowgate. The archaeological works comprised of an evaluation in the most archaeologically sensitive area of site, followed by a watching brief to oversee all ground-breaking works within the development area with subsequent excavations taking place where significant archaeology was encountered. A historic building survey was also conducted centring on the remains of the 18th century wall encircling the development area.</p> <p>A number of archaeologically significant features and structures relating to the 18th century military barracks and the 17th/18th century pottery works and other early industries were revealed and excavated within the development area.</p> <p>From the military barracks these comprised of the truncated remains of the barrack canteen cellar, the eastern soldiers barracks privy, a couple of unroofed barrack buildings, as well as the upstanding remains of the armoury foundations and two other buildings adjacent to it. The majority of finds from this period came from the drainage channels where brass buttons and ceramic pipe stems were prevalent, however the soldiers' privy provided a number of ceramic and glass artefacts giving an insight into the material culture of the barracks.</p> <p>Pre-dating the barracks, some structures relating to the 'Pighoose' pottery works were revealed in places. The NW corner of the 1720's pottery building was discovered as well as parts of the flue system and the edges of at least two kilns. The flue and furnace of another small industry pre-dating the barracks was also located within the site. Furthermore, several pottery waster</p>

	<p>pits were excavated providing a large assemblage of red earthenware jug fragments.</p> <p>Finally, a rifle range used during World War II was located within the South Tunnel and consisted of a series of brick walls/foundations with sand pits dug out of the concrete floor behind the walls.</p>
PROPOSED FUTURE WORK:	To be confirmed
CAPTION(S) FOR ILLUSTRATIONS:	N/A
SPONSOR OR FUNDING BODY:	MacDonald Estates
ADDRESS OF MAIN CONTRIBUTOR:	AOC Archaeology Group Edgefield Road Industrial Estate Loanhead, Midlothian, EH20 9SY
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ARCHIVE LOCATION	Archive to be deposited in NMRS



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