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## Newhailes Estate: Stables Musselburgh, East Lothian

Archaeological Watching Brief  
Report No. 3875

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Commissioned by	National Trust for Scotland
Date issued	February 2020
Version	1
Oasis No.	cfaarch1-375648
Planning Application No	17/00049/P and 17/00048/LBC
Grid Ref	NT 325724

This document has been prepared in accordance with CFA Archaeology Ltd standard operating procedures.

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Musselburgh, East Lothian**

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# **1. INTRODUCTION**

## **1.1 General**

This report presents the results of an archaeological watching brief undertaken by CFA Archaeology Ltd (CFA) between March and November 2019 at Newhailes Stables, Newhailes Estate, Musselburgh (NGR: NT 32687 72505). The work was commissioned by The National Trust for Scotland (NTS) as part of the renovation of the Stables, including the installation of new drainage, services and courtyard surface.

A Written Scheme of Investigation (WSI) was produced by CFA Archaeology Ltd (dated 8<sup>th</sup> of March 2019) on behalf of The National Trust for Scotland.

In addition, a watching brief was also undertaken during emergency repairs to a drain outside of Newhailes House, at the request of NTS.

## **1.2 Background**

Planning permission (Planning Ref. 17/00049/P and 17/00048/LBC) was granted for the renovation of the existing visitor centre located within the Stables, including provision of an extended café with outdoor seating, shop, offices and public toilets.

Newhailes House was originally designed and built by James Smith in 1686, before it was bought by The Dalrymple family in 1707, who owned the estate until its acquisition by The National Trust for Scotland in the 1990s. The majority of the designed landscape was constructed during the mid 18<sup>th</sup> century, with an estate plan drawn up in 1798 (Fig. 2), which shows the layout of the original Newhailes stable buildings.

This was subsequently replaced by the new stable block which closely corresponds to the layout identifiable at present. This can be seen for the first time on the First Edition 1853 Ordnance Survey map (Fig. 3a-d).

Prior archaeological investigation has been carried out at Newhailes, firstly by Addyman Archaeology in 2000-2001, who undertook a large amount of trenching both inside and outside the Stable buildings, providing insights into the original layout (Addyman 2010). Secondly by Connolly Heritage Consultancy in 2008, who carried out a watching brief during drainage work within the Stable courtyard, revealing the existence of a stone capped 18<sup>th</sup> century drainage system (Connolly 2008). A detailed historic building survey was also undertaken by AOC Archaeology Group in 2017 (Sproat et al 2017).

## **1.3 Objectives**

The objectives of the archaeological work were:

- To conduct an appropriate programme of archaeological investigation (watching brief) to monitor all groundbreaking.

- To mitigate the effects of construction on any archaeological deposits or features identified through excavation and recording and produce a report on them.

## **2. WORKING METHODS**

### **2.1 General**

CFA Archaeology Ltd follows the Chartered Institute for Archaeologists' Code of Conduct, Standards and Guidance as appropriate.

### **2.2 Watching Brief**

Modern overburden was removed by a tracked excavator equipped with a smooth-bladed ditching bucket. All ground breaking work was carried out under constant archaeological supervision. Any further excavation was carried out by hand.

All excavation and on-site recording was carried out according to standard CFA procedures, principally by drawing, by photography and by completing standard CFA record forms.

The stratification of all excavated areas was recorded whether or not significant archaeological deposits were identified.

Trench positions were either drawn by hand or surveyed using standard electronic surveying equipment.

## **3. ARCHAEOLOGICAL RESULTS**

### **3.1 General**

Two main phases of groundbreaking works were monitored during the watching brief. The first oversaw the removal and reduction of the ground surface within the stable courtyard, carried out March-April and early October 2019 (Phase 1). The second involved monitoring the excavation of all sub-surface service routes; this included the installation of new drainage and lighting cabling, undertaken October-November 2019 (Phase 2). A third phase saw the monitoring of drainage repairs outside of Newhailes House.

A total of 19 trenches were recorded as part of the service route excavations (Phase 2) (Fig. 4). Features were identified within 11 of the 19 excavated trenches (Tr1, Tr2, Tr3, Tr5, Tr7, Tr8, Tr9, Tr12, Tr14, Tr17 and Tr20). Details of the features found within these individual trenches are contained within the following phase 2 section. The remaining trenches (Tr4, Tr6, Tr10, Tr11, Tr13, Tr15, Tr16, Tr18 and Tr19) have been summarised in Appendix 4.

Context numbers are in bold and described in Appendix 2; all trenches are summarised in Appendix 4.

Prior to the arrival of CFA the central dividing wall **(156)** within the courtyard, orientated NW-SE, had been taken down to around 1m in height. A small attached coal shed had also been removed from the NW end and a garage lean-to structure had been removed from against the courtyard wall in the SE corner; these structures had been previously recorded by AOC (Sproat et al 2017).

## 3.2 Watching Brief

### 3.2.1 Phase 1

Ground reduction work started in the northern half of the courtyard, delineated by wall **(156)**, with the removal of cobbled surface **001**, formed of water worn beach pebbles, irregular in size and shape (Fig. 5). This surface was laid on top of yellow-brown sand **(002)**. In the far E corner, the cobbles **(001)** abutted a concrete surface **(154)**, measuring c.10m by c.6m, the former café patio area; below this surface were cobbles **(155)**, which were removed at the same time due to the two being bonded together. Similar yellow-brown sand was beneath these cobbles. It is not clear if **155** and **001** were part of the same phase of cobbled surface.

Beneath the cobbles **(001)** in the NW side of the courtyard, a modern drainage trench **(158)**, orientated NE-SW, was cut through **002**. This was part of the work carried out by Connolly Heritage Consultancy in 2008.

In the far N corner of the courtyard, a mortared brick feature **(004)**, measuring 0.77m by 0.25m and orientated NW-SE, was partially exposed. This was likely the edge of a modern drainage manhole, similar to **(038)** recorded in Tr5 in the W corner of the courtyard. It was not excavated any further.

Directly to the SW of **004** a hole was excavated for the installation of a plastic drainage manhole. This excavation dug through c.0.8m of yellow-brown overburden deposits **(160)**, exposing the foundation courses of the SE facing courtyard wall **(161)** and a stone culvert **(159)** (Fig. 6). The culvert was constructed of stone-built sides and large sandstone capping stones, the same as the capping stones **(096)** recorded in Tr12, and was still in use as modern drains were tied into it.

The surface of the southern half of the courtyard varied as it was the private yard for the estate workers and formerly a garden centre. Directly SW of wall **156** was an area of grass/soil and compacted footpath **(162)**, to the W corner and SW entrance was an old tarmac surface **(163)** and to the S corner was a concrete surface **(164)**.

Removal of **162** revealed a cobbled surface **(165)**, composed of similar irregular water worn beach pebbles as **001**, in the angle formed by walls **156** and **157**. This is likely the same phase of cobbled surface as **001**. The cobbles continued to the SW where they abutted a NE-SW length of sandstone and mortar wall foundations **(166)** (Fig. 7), measuring c.2m by 0.4m; this foundation is a continuation of upstanding wall **157**.

Directly to the S of foundation **166** was a NE-SW aligned cobble gully **(167)**, formed of two rows of larger rectangular cobble stones laid parallel. Abutting gully **167** to the SE was a further cobbled surface **(168)**. This is likely the same as cobbled surface **028** recorded to the SW.

To the W of the courtyard below **(162)** and **(163)** was a yellow-brown sand deposit **(169)**, similar to the sand deposits found underneath the cobbled surfaces throughout the courtyard. This suggests that any cobbled surface in this area had been removed at a prior point. In the SW entrance a cobbled surface **(170)** was found below tarmac **(163)**.

In the SW corner the removal of concrete surface **(164)** revealed a thin, black, silty clay deposit **(031)**. The deposit was full of demolition rubble, modern pottery, glass fragments and iron objects, likely modern 20<sup>th</sup> century. This was cleared as the ground level in this corner had to be reduced to formation level, revealing cobbled surfaces and stone walls (Fig. 4, 8).

The first cobbled surface **(028)** abutted against the SW wall of the stable courtyard in the S corner, and was formed of irregular water-worn beach cobbles and measured 6.5m by 4.5m (Fig. 9). It contained two cobble gullies **(029)**, orientated NW-SE, and **030** orientated N-S), both made up of two rows of larger rectangular cobble stones laid parallel.

To the NW, **028** was truncated, but to the NE it abutted a stone wall **(013)** which formed the NW-SE exterior wall of a former rectangular building set within the courtyard, likely part of the same surviving structure as upstanding walls **156** and **157**. Wall **013** measured 4.5m in length by 0.5m wide, constructed of sandstone blocks and pale yellow-white mortar. At its SE end it met NE-SW wall return **014**, which was partially exposed, measuring 4.15m in length, and is likely the same as upstanding wall **157**. Parallel to **014** to the NW was stone wall **015**, measuring 4.8m by 0.3m wide, with threshold stone **021** at its NE end. These two walls were divided into 3 small square rooms **(016, 017 and 018)**, all 0.3m wide. The southernmost two square rooms were paved by flagstones **(019)**, formed of rectangular sandstone flags varying in size (Fig. 10). The northernmost room had the partial remains of a surface formed from quarry tiles **(020)**.

These three rooms are within the rectangular courtyard structure and are surrounded by cobbled surface **027** (same as **007** found in Tr1). A partial cobbled surface **(026)** was found at the NE end of the excavated area but is likely to be the same as **027**, with the two separated by modern disturbance. This modern disturbance, likely a service cut, contained a brick feature **(023)** and a collapsed brick feature **(022)**, which also contained asbestos. There was also the partial remains of sandstone walls **(024 and 025)**, possibly the disturbed continuation of the NE-SW wall **(014)** of the building.

Cartographic evidence from the OS 25 Inch map of 1895 show this internal rectangular structure and its three rooms in the S corner as unroofed, and their position matches up with the recorded features (Fig. 3d). The same layout is seen on the OS map editions into the 1930s.

This was the full extent of features exposed in this area as the surrounding ground level was already at formation depth. Cobbles **(028)** were lifted to be used as part of the redevelopment. Under these was a mid yellow-brown sand deposit **(008)**, a similar bedding deposit to **002**.

### 3.2.2 Phase 2

After the reduction of ground levels in the earlier phase of works, 0.1-0.2m of modern type 1 hardcore (**007**, **044**) was put down across the entire stable courtyard. All sub-surface service routes were then excavated through this deposit.

The majority of features recorded during the service route excavations can be identified to two historical maps; the 1798 estate plan (Fig. 2), showing the layout of the earlier stable block, and the 1895 OS 25 Inch (Fig. 3d), which shows the rectangular courtyard structure and its buildings within. The rectangular structure sitting within the courtyard appears to have been present since at least 1854 (Fig. 3a). The remaining features cannot be related to any cartographic evidence but have been described below.

#### *1798 estate plan*

The earlier stable block seen on the 1798 estate plan has been overlaid onto the current trench plan (Fig. 4).

The SW-facing outer wall of the earlier stables was identified in Trenches 1 and 3. In Tr1 the remains of NW-SE orientated sandstone and mortar wall, or foundation (**009**) was recorded 0.5m below the current ground surface, measuring 0.75m in length and 1.1m wide (Fig. 11). This was sealed by cobbled surface **007** and its associated yellow-brown bedding sand (**008**). To the SE, in Tr3, a sandstone and mortar wall, or foundation (**068**) was identified 0.4m below the current ground surface (Fig. 12). Orientated NW-SE, it measured 1m in length and c.1.3m wide. It was also similarly sealed by a later cobbled surface (**084**) and bedding sand (**067**). Both of these walls/foundations were substantial enough to have supported quite a large wall, such as the original stable block. Although other trenches crossed this alignment, no further sections of this wall were identified.

In Tr12 the possible remains of the NE-facing inner wall of the earlier stables was identified. A sandstone and mortar wall (**098**) was recorded 0.35m below current ground level, orientated NW-SE and measuring 0.4m in length by 0.6m wide (Fig. 13). It was not as substantial as walls **009** and **068**; however, it was at a similar depth and matches the alignment of the 1798 estate plan. It was not identified in the other trenches to the SE, possibly due to later ground disturbance during the construction of the coal shed.

In the far E corner of the courtyard there is possible evidence of the SE-facing gable end of the original stable block. At the NE end of Tr8 a stone wall, or foundation (**036**) was identified below the upstanding current stable wall, orientated NE-SW and measuring 0.5m in length by 0.52m wide by 0.1-0.15m deep (Fig. 14). Directly to its SE were orange-yellow mortar foundations (**037**). These too seemed to be below the current stable walls. Both were recorded 0.6m below current ground surface and were sealed by 0.5m of sandy-gritty mortar demolition deposit (**061**). Directly to the NE in the base of Tr14 was a sandstone and mortar wall/foundation (**107**) (Fig. 15). This was recorded 0.6m below floor level, orientated NE-SW and measured 0.8m in length by 0.4m wide by 0.1m deep. It was sealed by a sandstone and mortar deposit (**105**) and mid yellow-brown silty sand (**104**). Whilst (**036**) and (**107**) share the same orientation



they are not on the same alignment: **036** is closer to the projected location of the earlier stable block, however **037** also aligns with **107**. It is likely that some aspect of the original stable block has been identified; however the small keyhole nature of these two trenches has made it difficult to ascertain the full picture.

### *19<sup>th</sup> century OS Maps*

The internal rectangular enclosure is shown on the OS maps from 1854 (Fig. 3a). Walls **156**, **157** and **166** are likely to date to this period and form the NE side and E corner of this enclosure. Its function is unclear but it is shown as unroofed on the maps.

At the end of the 19th century, small rooms or outhouses were added to the rectangular walled structure in the southern half of the courtyard (Fig. 3c-d). The structures at the S corner of this enclosure were identified and recorded during the phase one ground reductions. Further sections were identified once the trench plan was overlaid with the historical mapping (Fig. 4).

In the E end of Tr3 a section of sandstone wall (**074**) was recorded right below the modern hardcore, orientated NE-SW and measuring 1m in length by 0.5m wide by 0.4m deep. It is a continuation of the formerly upstanding NW-SE wall (**157**), also recorded as **166**, **025**, **024** and **014**.

Another section of the courtyard structure was identified in the SW end of Tr9. Wall **086** was recorded 0.2m below current ground surface, orientated NW-SE and measuring 0.6m in length by 0.9m wide by 0.3m deep. It was sat on mid orangey-brown silty sandy re-deposited natural (**087**) and sealed by mixed greyish-brown sandy silt made-ground deposits (**077**). Its alignment can be matched to one of the internal rooms within the rectangular courtyard structure on its NW side.

In the far N end of Tr2 sandstone and mortar wall (**043**) was identified 0.2m below current ground surface, orientated NW-SE and measuring 0.65m in length by 0.3m wide by 0.2m deep. It was sealed by a black coal/charcoal deposit (**046**). The map shows it aligned with one of the small rooms within the N corner of the rectangular structure. This is also the location of the coal bunker that was still upstanding until the start of the ground works. This would explain its shallow depth below the surface.

In the middle of Tr7, directly below the modern hardcore, was a brick and sandstone wall (**032**) which was orientated NW-SE and measured 0.5m in length by 0.2m wide by 0.2m deep. It was abutted to the SW by cobbled surface **028**. This will have been the SW-facing wall of the garage lean-to structure that was demolished before ground level reduction started, and is identifiable on the earlier map. Wall **032** sat on a black charcoal deposit (**041**), which sealed an earlier stone wall (**033**). Slightly to the NE and 0.5m below ground surface, this red sandstone and mortar wall was orientated NW-SE and measured 0.6m in length by 0.7m wide by 0.2m deep (Fig. 16). It is likely this is the remains of an earlier version of the same lean-to structure.

### *Other features*

The remaining features identified during this phase of work could not be related to the earlier cartographic evidence.

In Tr1 towards the SW end of the courtyard was a brick culvert (**012**), orientated NE-SW and measuring 0.75m in length by 0.8m wide. Its sides were two bricks thick and was filled with fragments of stone and brick, likely the collapsed capstones. A continuation of this drain was identified to the NW in Tr2. The identical double brick-sided culvert (**051**) was emptied to reveal a red sandstone base at a depth of 0.32m (Fig. 17).

A further drain was recorded in Tr5, with stone-lined culvert **035**. It was orientated E-W, with a slight curve, and measured 0.6m in length by 0.4m wide and 0.3m deep.

Directly to the SW of culvert **035** was a sandstone and mortar wall (**034**). It was orientated NE-SW and measured 0.5m in length by 0.6m wide by 0.4m deep. It seemed to relate to the culvert; however, it may match the south-western wall of the courtyard enclosure or be part of the late 19<sup>th</sup> century lean-to additions to the courtyard.

In the SW end of Tr5 was a brick manhole/drain (**038**) which measured 1.2m by 1m by 0.6m deep (Fig. 18). Its fill of mixed dark grey sandy clay (**042**) with numerous modern inclusions suggest this was a more recent 20<sup>th</sup> century construction.

In the centre of Tr1 there was a stone and mortar wall/foundation (**010**), orientated ENE-WSW and measuring 0.75m in length by 0.75m wide (Fig. 19). It was identified 0.5m below current ground surface with an unknown brick feature (**011**) along its SW face. Its depth and character suggest it was from an earlier phase of building; however, it does not match up with the mapped location of any earlier walls.

In the middle of Tr9 was sandstone wall **071**, orientated NW-SE and measuring 0.6m in length by 0.6-0.8m wide. To the NE it was abutted by a small area of rough cobbles (**072**), formed of cobble stones, un-frogged bricks and a red sandstone block with a drainage channel cut into it. Both of these were only 0.2m below current ground surface suggesting they were a part of the late 19<sup>th</sup> century buildings (Fig. 20). However, it does not clearly line up with any walls on the earlier map, and appears to be narrower than walls **009** and **068** forming part of the earlier stable block wall.

Underneath wall **071** a possible wall foundation (**078**) was recorded 0.7m below the ground surface; however, its full extent and character were not identified due to the trench flooding.

At the W end of Tr17 were the partial remains of cobbled surface (**132**), measuring 1.5m in length by 0.5m wide, 0.3m below the current ground surface. Within the cobble surface was a NE-SW orientated line of flagstones (**133**), measuring 0.5m in length by 0.4m wide. It was not clear whether it was part of the surface or the remaining lower course of a wall. There are no recorded walls in this area of the stable courtyard. Due to the disturbance in this area and the previous ground reduction works

it is difficult to say whether or not this is a missed section of the grubbed out cobbled surface or represents the remains of an earlier courtyard surface.

In Tr12 the top of culvert capping stones **(096)** were identified, orientated NNE-SSW and measuring 4.5m in length by 0.4m wide by 0.15m deep (Fig. 21). This was previously excavated and recorded by Connolly Heritage Consultancy, identified as part of the late 18<sup>th</sup> century and early 19<sup>th</sup> century drainage system (Connolly 2008). This drain was identified as **(159)** during the earlier phase of ground works.

### 3.2.3 Phase 3

A manhole outside the main Newhailes House was opened and recorded as Tr20 (Fig. 22). A sandstone block measuring 0.8m by 0.8m was removed from the top of a brick lined manhole **(062)**. The manhole had an internal aperture of 0.45m by 0.5m by 0.5m deep. It contained a ceramic pipe **(064)** and was filled by a dry silty soil **(063)**, which contained numerous sanitary products. This modern fill was likely causing the blockage. No further investigation was carried out on this feature.

### 3.3 Finds by Christina Hills

The finds are summarised in Table 1 and detailed in Appendix 5. All the finds recovered on this site were found in two big dumps, one over the cobbles **(001)** and one being the midden **(031)**.

Find type	Number	Weight (g)
Animal bone	34	485
CBM	4	1084
Glass	71	17222
Iron	15	1164
Modern alloy	1	68
Pottery	9	525
Stone	2	19

Table 1. Finds quantification by type

The dump over cobbles **(001)** mainly consisted of whole glass bottles and jars, some of which are identified and include marmite jars, a ponds cream jar, milk bottles, Heinz and other condiment bottles and chemist bottles. The dump also contained a light bulb, earthenware pot and a quern stone. All of the finds are probably modern, the quern stone is possibly a redeposit, and associated with demolition of a glass house.

The majority of the finds from the midden **031** were iron including wire, nails, an enamelled handle and other unidentified fragments. Other finds from the midden were animal bone, drain pipe, flower pot, white earthenware pottery and bottle and window glass. All of these finds are modern in date.

#### 4. CONCLUSION

An archaeological watching brief was carried out by CFA at Newhailes Stables, Musselburgh, as part of the renovation of the Stable buildings. Two main phases of groundbreaking works were monitored; the first oversaw the removal and reduction of the ground surface within the stable courtyard; the second involved monitoring the excavation of all sub-surface service routes, which included the installation of new drainage and lighting cabling.

The programme of works identified the fragmentary remains of the original 18<sup>th</sup> century stable block, with substantial foundations recorded 0.35-0.4m below the surface, which align with the 1798 estate plan. The majority of the remaining features have been shown to relate to the mid-later 19<sup>th</sup> century, specifically the rectangular walled structure within the stable courtyard.

The project archive, comprising all CFA record sheets, maps and reports, will be deposited with the National Record of the Historic Environment (NRHE) and copies of reports will be lodged with the East Lothian Council Sites and Monuments Record.

A summary statement will be submitted for publication in *Discovery and Excavation in Scotland* (Appendix 6) and will also be reported on through *OASIS Scotland*.

## 5. REFERENCES

Addyman Archaeology 2010 *Newhailes House and Estate East Lothian Archaeology Report 3: The Stables Range*. Grey literature report for NTS.

Sproat, D, Hudson, G and O’Leary, S 2017 *Newhailes Stables, East Lothian: Measured Survey & Historic Building Recording Report*. AOC 23016 Grey literature report for NTS.

Connolly Heritage Consultancy 2008 *Newhailes Estate Stables Courtyard Drains*. Grey literature report for NTS.

### *Cartographic references*

1798 Estate Plan

OS 1853 6 inch to the mile – Edinburghshire, Sheet 3

OS 1895 6 inch to the mile – Edinburghshire, Sheet IV.SW

OS 1919 6 inch to the mile – Edinburghshire, Sheet IV.SW

OS 1895 25 inch to the mile – Edinburghshire Sheet IV.10

## APPENDIX 1: Photographic Register

Shot No.	Summary description of subject	Facing
001	General working shot of site	NE
002	General working shot of site	SE
003	General working shot of site	SE
004	Mid morning working shot	NE
005	Mid morning working shot	SE
006	Mid morning working shot	SE
007	Afternoon working shot	SE
008	Afternoon working shot	SE
009	Possible wall remains NE end of site, (004)	SW
010	General shot of (004)	SW
011	Plan view of (004)	SW above
012	Plan view of (004)	SW above
013	General shot of (004)	SW
014	Section/working shot of (004)	SW
015	Plan view of (004)	SW above
016	End of day working shot of the NE end	SW
017	End of day working shot of the NE end	SW
018	End of day working shot of the NW end	SE
019	End of day working shot of the NW end	SE
020	End of day working shot of the NW end	SE
021	End of day spoil level	W
022	End of day spoil level	W
023	End of day working shot of SE	NW
024	End of day working shot of SE	NW
025	Mid morning working shot NW	SW
026	Mid morning working shot NW	SW
027	SE shot of partial original stable, pre ex	NW
028	SE shot of partial original stable, pre ex	NW
029	W shot of partial original stable structure, pre ex	S
030	Post ex of above structure, later determined to be rubble	S
031	Post ex of above structure, later determined to be rubble	S
032	Post ex of above structure, later determined to be rubble	S
033	Working shot of exposed ceramic drain	SW
034	Working shot of exposed ceramic drain	SW
035	Post ex of exposed ceramic drain	SE
036	Post ex of exposed ceramic drain	SE
037	General shot of site with removed cobbles	S
038	General shot of site with removed cobbles	S
039	SW corner, working shot	NE
040	SW corner, working shot	NE
041	Concrete surface inside, pre ex	E
042	Concrete surface working shot	E
043	Concrete surface working shot	E
044	Concrete surface working shot	E
045	Concrete surface working shot	SE
046	Demolition material across site	NW
047	Demolition material across site over cobbles	W
048	Demolition material across site over cobbles	NW
049	Demolition material across site over cobbles	NW
050	Under old toilet in NW area of the site	SE
051	Door frame flush with new converted window	N
052	Door frame flush with new converted window	N
053	Post ex shot of cleaned area	SW
054	Post ex shot of cleaned area	NE

Shot No.	Summary description of subject	Facing
055	Post ex shot of cleaned area	SE
056	Post ex shot of cleaned area	SW
057	Cleaned area of cobbles by central wall	NE
058	Cleaned area of cobbles by central wall	NE
059	Cleaned wall, continuation of wall stub from central wall	SE
060	Cleaned wall, continuation of wall stub from central wall	SE
061	Cleaned wall with cobbles on either side	NE
062	Cleaned wall with cobbles on either side	NE
063	Cleaned wall with cobbles on either side	Above
064	Cleaned wall with cobbles on either side	NE
065	Cleaned wall with cobbles on either side	NE
066	Cleaned wall with cobbles on either side	NE
067	Cleaned wall with cobbles on either side	NE
068	VOID	
069	General view of WB showing sand under cobbles	NW
070	Photo of levelling sand that was under cobbles with underlying black gritty layer emerging against SE facing wall.	NW
071	Possible excavations along western wall	NE
072	Drainage pipe in northern corner	NE
073	General site photo - northern half of courtyard	SW
074	General site photo - northern half of courtyard	W
075	General site photo - northern half of courtyard	E
076	Southern half - with excavated hole prior to arrival	SW
077	General site photo - southern half of courtyard	W
078	General site photo - southern half of courtyard	S
079	General site photo - southern half of courtyard	NE
080	Spoil heap in W corner	NW
081	Looking into new toilets with drain previously excavated	NW
082	Proposed location of field drain	SW
083	Cobbles (170) in southern entrance	SW
084	Cobbles (170) in southern entrance	SW
085	Wall (009) and cobbles (007) - Tr1	SE
086	Wall (009) and cobbles (007) - Tr1	SE
087	NW facing section of wall (009) and cobbles (007) - Tr1	SE
088	NW facing section of wall (009) and cobbles (007) - Tr1	S
089	Tr1 - Drainage trench through centre of courtyard	SW
090	Wall (009) and cobbles (007) - Tr1	SW
091	Wall (009) and cobbles (007) - Tr1	SW
092	Wall (009) and cobbles (007) detail shot - Tr1	SW
093	NW facing section of wall (009) and cobbles (007) - Tr1	SE
094	Fully exposed wall (009) - Tr1	SE
095	Fully exposed wall (009) - Tr1	S
096	Wall (010) and brick feature (011) - Tr1	SE
097	Wall (010) and brick feature (011) - Tr1	SE
098	Wall (010) and brick feature (011) - Tr1	SW
099	Brick cundy drain (012) - Tr1	SE
100	Brick cundy drain (012) - Tr1	SE
101	Brick cundy drain (012) - Tr1	SW
102	Overall post-ex view of structure and cobbles in SE corner of cobbles	SW
103	Overall post-ex view of structure and cobbles in SE corner of cobbles	SW
104	Overall post-ex view of structure and cobbles in SE corner of cobbles	SW
105	Overall post-ex view of structure and cobbles in SE corner of cobbles	SW
106	Post-ex view of structure - walls (018) (017) (016) (015) (014) (013)	SW
107	Post-ex view of structure - walls (018) (017) (016) (015) (014) (013)	SW
108	Quarry tile surface (020) within walls (018) (017) (015) (014)	NW
109	NE half of paving (019)	NW
110	SW half of paving (019)	NW

Shot No.	Summary description of subject	Facing
111	Overall post-ex view of structure	N
112	Post-ex view of cobbled surface (028) - SW of structure	NE
113	Cobbled surface (028)	S
114	Cobbled surface (028)	S
115	Cobbled surface (028) and stable building	SE
116	Cobbled surface (028)	SE
117	NW-SE wall (013) and cobble gully (029)	SE
118	NW-SE wall (013) and cobble gully (029)	E
119	Cobbled surface (027)	NE
120	Overall post-ex shot of structure and cobbles	NE
121	Paving (019)	NE
122	Unknown collapsed brick feature (asbestos)	SE
123	Cobbles (026) (027) - possible modern service cut	SE
124	Post-ex view of (008) under (028)	NE
125	General post-ex view of (008)	N
126	General post-ex view of (008)	SE
127	Post-ex (013) - wrecked	ENE
128	Post-ex (013) - wrecked	ENE
129	Working shot of Tr6	SE
130	Location shot of Tr6	S
131	Exposed cobbles (028) in Tr7	NE
132	Exposed cobbles (028) in Tr7	NE
133	Plan shot of cobbles (028) in Tr7	SE
134	Cobbles (028) and wall (032) in Tr7	SE
135	Plan shot of cobbles (028) and wall (032) in Tr7	SE
136	General mid-ex view of Tr7	NE
137	General mid-ex view of Tr7	SW
138	Brick scatter poss relating to wall (023) - Tr7	SE
139	Brick wall (023) with brick scatter - Tr7	SE
140	Demolition rubble poss related to wall (023) - Tr7	SE
141	Sandstone boulders in NE in of Tr7	SE
142	Pre-ex of stone wall (033) - Tr7	SE
143	Pre-ex of stone wall (033) - Tr7	SE
144	Post-ex of Tr7	SW
145	Post-ex of wall (033) - Tr7	SE
146	Post-ex of wall (033) - Tr7	SE
147	Post-ex of wall (033) - Tr7	SW
148	Post-ex of wall (033) - Tr7	NE
149	Post-ex of wall (033) - Tr7	NE
150	Post-ex of wall (033) - NW facing section - Tr5	SE
151	Wall (034) and redeposited clay - Tr5	NE
152	Wall (034), culvert (035) and brick drain (038) - Tr5	SW
153	Wall (034), culvert (035) and brick drain (038) - Tr5	SW
154	Wall (034), culvert (035) - Tr5	NW
155	Wall (034) - Tr5	NE
156	Wall (034), culvert (035) - Tr5	SW
157	Wall (034), culvert (035) - Tr5	SW
158	Working shot of Tr5	NE
159	Location shot of slot at NE end of Tr8	SE
160	Plan shot of (036), (037) and courtyard foundations in slot at NE end of Tr8	SE
161	Plan shot of (036), (037) and courtyard foundations in slot at NE end of Tr8	SE
162	General shot of (036), (037) and courtyard foundations in slot at NE end of Tr8	NE
163	General shot of (036), (037) and courtyard foundations in slot at NE end of Tr8	NE



Shot No.	Summary description of subject	Facing
164	Courtyard foundations and (037) - Tr8	SE
165	Courtyard foundations, (036) and (037) - Tr8	SE
166	Pre-ex of drain (038) at SW end of Tr5	NW
167	Post-ex of Tr5	NE
168	Post-ex view of culvert (035) - Tr5	NE
169	Post-ex view of culvert (035) - Tr5	NE
170	Post-ex view of culvert (035) - Tr5	NE
171	Post-ex of Tr5	SW
172	Post-ex of Tr6	SE
173	Post-ex of Tr6	NW
174	Corner of Tr6 and Tr7	NW
175	Post-ex plan shot of brick drain (038) - Tr5	NW
176	Post-ex shot of brick drain (038) - Tr5	SW
177	Post-ex shot of brick drain (038) - Tr5	SW
178	Post-ex plan shot of brick drain (038) - Tr5	SW
179	Wall (043) at N end of Tr1	W
180	Possible surface (054) in Tr1	N
181	Plan view of culvert (051) - Tr1	S
182	W facing section of culvert (051) - Tr1	E
183	E facing section of wall (043) - Tr1	W
184	E facing section of wall (043) - Tr1	W
185	Working shot of Tr5	SW
186	Plan shot of drain (057) in Tr8	NE
187	Section of drain (057) - Tr8	SW
188	Brick from drain (057) - Tr8	n/a
189	Location shot of collapsed drain	
190	Location shot of collapsed drain	
191	Brick manhole with capstone removed	
192	Brick manhole with capstone removed	
193	NW facing section of Tr8	E
194	NW facing section of Tr8	E
195	NW facing section of Tr8	E
196	NW facing section of Tr8	E
197	General post-ex view of Tr8	NE
198	Plan view of wall (071) - Tr9	
199	Cobbled surface (066) - Tr3	
200	Wall foundation (068) - Tr3	SE
201	Wall foundation (068) - Tr3	E
202	Cobbled and brick surface (072) and wall (071) - Tr9	SW
203	Cobbled and brick surface (072) and wall (071) - Tr9	SW
204	Cobbled and brick surface (072) and wall (071) - Tr9	NE
205	Cobbled and brick surface (072) and wall (071) - Tr9	NE
206	Cobbled and brick surface (072) and wall (071) - Tr9	SE
207	Cobbled and brick surface (072) and wall (071) - Tr9	SE
208	Cobbled and brick surface (072) and wall (071) - Tr9	SE
209	Surface (072) - Tr9	NE
210	Wall (071) - Tr9	NE
211	SSW facing section of Tr10	N
212	Post-ex view of Tr10	ENE
213	Post-ex view of Tr10 and Tr9	NE
214	Wall (086) in SE facing section of Tr9	NW
215	Wall (086) in SE facing section of Tr9	N
216	SE facing courtyard wall (092) - Tr10	NW
217	Post-ex view of lighting track - re-dig of Tr8	NE
218	Post-ex view of lighting track - re-dig of Tr8	N
219	Post-ex view of lighting track - Tr11	NW
220	Post-ex view of lighting track, NE facing section - Tr11	W

Shot No.	Summary description of subject	Facing
221	Post-ex view of lighting track, NE facing section with (093) - Tr11	SW
222	Post-ex view of lighting track, NE facing section with (093) - Tr11	W
223	Post-ex view of Tr12	SW
224	NW facing section, edge of Connolly Heritage trench - Tr12	S
225	Drain capstones (096) - Tr12	SW
226	Drain capstones (096) - Tr12	SW
227	Drain capstones (096) - Tr12	S
228	Drain capstones (096) NW facing section - Tr12	SE
229	Stone wall (098) - Tr12	S
230	Stone wall (098) - Tr12	SE
231	Stone wall (098) NW facing section - Tr12	SE
232	General post-ex view of Tr12	NE
233	General post-ex view of Tr12	NE
234	Post-ex view of S half of Tr12	SW
235	Post-ex view of SW bend of Tr13	S
236	Post-ex view of SW bend of Tr13	N
237	Post-ex view of Tr13	SE
238	Post-ex view of Tr13	S
239	Post-ex view of Tr13	W
240	Post-ex view of SE end of Tr13	SE
241	Post-ex view of SE end of Tr13	NW
242	Post-ex of NE straight of Tr13	NE
243	Post-ex of NE straight of Tr13	NE
244	Post-ex of NE straight of Tr13	SW
245	Pre-ex location shot of Tr14	NE
246	Pre-ex location shot of Tr14	NE
247	Pre-ex location shot of Tr14	NE
248	Pre-ex location shot of Tr14	SW
249	Pre-ex location shot of Tr14	E
250	Pre-ex location shot of Tr14	E
251	Pre-ex location shot of Tr14	E
252	Pre-ex location shot of Tr14	NE
253	Mid-ex view during removal of concrete floor (100) - Tr14	E
254	Mid-ex of stone paved floor (102) - Tr14	E
255	Mid-ex of stone paved floor (102) - Tr14	E
256	Mid-ex of stone paved floor (102) - Tr14	N
257	Mid-ex of stone paved floor (102) - Tr14	N
258	Mid-ex of stone paved floor (102) - Tr14	N
259	Post-ex view of lighting track - re-dig of Tr3	E
260	Post-ex view of lighting track - re-dig of Tr3	E
261	SE facing section - Tr15	W
262	NE facing section - Tr15	SW
263	NE facing section - Tr15	SW
264	Post-ex of Tr14	NE
265	Post-ex of Tr14	NW
266	Post-ex of Tr14	N
267	Post-ex of Tr14	N
268	E facing section - Tr14	NE
269	NE facing wall (108) - Tr14	SW
270	NE facing wall (108) and wall (107) - Tr15	SW
271	W facing section - Tr14	S
272	Plan view of wall (107) - Tr14	SE
273	Plan view of wall (107) - Tr14	NW
274	Post-ex of Tr14	SW
275	Post-ex of Tr14	SW
276	General post-ex location shot of Tr14	NE
277	General post-ex location shot of Tr14	E

<b>Shot No.</b>	<b>Summary description of subject</b>	<b>Facing</b>
278	Post-ex of Tr14	E
279	Post removal of tarmac in vennel	SE
280	Post removal of tarmac in vennel	SE
281	Post-ex of Tr16 in entrance vennel	SE
282	Post-ex of Tr16 in entrance vennel	SE
283	NW facing section - Tr16	SE
284	NW facing section - Tr16	SE
285	NW facing section - Tr16	SE
286	N facing section - Tr16	S
287	Wall foundation (122) - Tr16	SW
288	NE facing section - Tr16	S
289	NE facing section - Tr16	SW
290	E facing section - Tr16	SW
291	Deposits under resin (100) - SW side - Tr16	SW
292	Deposits under resin (100) - SW side - Tr16	S
293	Deposits under resin (100) - NE side - Tr16	E
294	Post-ex of Tr16	NW
295	Post-ex of Tr16	NW
296	Post-ex view of removal of deposits under resin (100) - Tr16	S
297	Post-ex view of removal of deposits under resin (100) - Tr16	S
298	Post-ex view of removal of deposits under resin (100) - Tr16	NW
299	Post-ex view of removal of deposits under resin (100) - Tr16	N
300	Post-ex view of removal of deposits under resin (100) - Tr16	E
301	Post-ex view of removal of deposits under resin (100) - Tr16	E
302	Hole dug at NE end of Tr9 and Tr4	NE
303	Hole dug at NE end of Tr9 and Tr4 - SW facing section	NE
304	Hole dug at NE end of Tr9 and Tr4 - SE facing section	NW
305	Hole dug at NE end of Tr9 and Tr4 - NW facing section	SE
306	Cobbles (132) - Tr17	NNE
307	Cobbles (132) - Tr17	NNE
308	Post-ex of Tr17	E
309	Post-ex of Tr17	ESE
310	Cobbles (132) - Tr17	ESE
311	Cobbles (132) - Tr17	WSW
312	Cobbles (132) - Tr17	WSW
313	Working shot of Tr18	NE
314	Working shot of Tr18	E
315	SE facing section - Tr18	NW
316	SE facing section - Tr18	N
317	Post-ex of Tr18	NE
318	Post-ex of Tr18	E
319	Post-ex of Tr18 - modern services	E
320	General location shot of Tr19	NE
321	General location shot of Tr19	SE
322	General location shot of Tr19 - modern services	NE
323	Post-ex of SE end of Tr19	E
324	Post-ex of SE end of Tr19	E
325	Modern services at SE end of Tr19	NE
326	Modern services at SE end of Tr19	NE
327	Modern services at SE end of Tr19	NE
328	Post-ex of Tr19	SE
329	Post-ex of Tr19	SE
330	SW facing section - Tr19	NE
331	SW facing section - Tr19	NE
332	SW facing section - Tr19	N
333	SW facing section - Tr19	N
334	SW facing section - Tr19	NE

Shot No.	Summary description of subject	Facing
335	SW facing section - Tr19	NE
336	Post-ex of Tr19	NW
337	General post-ex location shot - Tr19	S
338	Modern drain [150] - Tr19	E
339	Post-ex of extension to NW end of Tr19	NE
340	Post-ex of extension to NW end of Tr19	E
341	SW facing section of Tr19 extension	NE
342	SW facing section of Tr19 extension	E

## APPENDIX 2: Context Register

Context	Fill of	Trench	Type	Description
001			Surface	Cobbles, stable courtyard. Removed during the works
002			Deposit	Yellow brown sand
003			Deposit	Grey sand, some concrete like material
004			Wall	Possible red brick wall
005		1	Deposit	Modern red type 1
006		1	Deposit	Midden deposit over (007)
007		1	Surface	Cobble surface (presumed 19th C.)
008		1	Deposit	Mid yellow-brown sand under (007)
009		1	Wall	NW-SE 18th C. wall below (007)
010		1	Wall	ENE-WSW wall (poss found of 19th C walls)
011		1	Wall	Bricks along SW face of (010)
012		1	Drain	Brick cundy drain
013			Wall	NW-SE exterior wall of building within stable courtyard
014			Wall	NE-SW exterior return of (015)
015			Wall	NE-SW interior wall
016			Wall	NW-SE interior wall
017			Wall	NW-SE interior wall
018			Wall	NW-SE interior wall
019			Surface	Flagstone paving within building
020			Surface	Remains of quarry tile surface
021			Stone	Threshold stone within the NE end of wall (015)
022			Brick feature	Unknown brick feature (asbestos)
023			Brick feature	Unknown brick linear feature
024			Wall	Partial remains of exterior wall, aligned with (014)
025			Wall	Partial remains of exterior wall, aligned with (014)
026			Surface	Patch of cobbles SW of (024)
027			Surface	Cobbled surface surrounding walls (013) and (015)
028			Surface	Cobbled surface SW of (013)
029			Gully	NW-SE cobble gully within cobble surface (028)
030			Gully	N-S cobble gully within cobble surface (028)
031			Deposit	Midden deposit overlying structure in courtyard
032		7	Wall	NW-SE stone wall
033		7	Wall	NNW-SSE stone wall
034		5	Wall	NE-SW stone wall
035		5	Culvert	Stone lined culvert
036		8	Wall	NE-SW stone wall foundation
037		8	Wall	N-S remains of wall foundation
038		5	Drain	Brick laid drain/manhole

<b>Context</b>	<b>Fill of</b>	<b>Trench</b>	<b>Type</b>	<b>Description</b>
039		7	Deposit	Mottled made ground
040		7	Deposit	Redeposited mottled natural
041		7	Deposit	Black coal layer
042	038	5	Fill	Backfill of drain/manhole
043		1	Wall	NW-SE sandstone and mortar wall
044		Site	Deposit	Type 1 (same as (005))
045		2	Deposit	Dark grey silty sand
046		2	Deposit	Black/coal/charcoal deposit
047		2	Deposit	Light brown-yellow sand
048		2	Deposit	Brown-grey sand
049		2	Deposit	Grey clayey silt
050		2	Deposit	Dark grey sandy clay
051		2	Culvert	Stone/brick culvert
052		2	Deposit	Yellow sandy clay
053		2	Deposit	Greyish brown deposit
054		2	Wall/surface	Possible mortar surface/wall founds
055		6	Cut	Cut of modern test pit
056	055	6	Fill	Fill of modern test pit
057		8	Drain	Brick drain
058		8	Deposit	Made ground deposit
059		8	Deposit	Black mottled deposit
060		8	Deposit	Fine clay/silty/sandy bottom
061		8	Deposit	Mortar layer
062		A	Manhole	Brick/sandstone manhole
063		A	Deposit	Silty sandy fill with modern sanitary wrappers
064		A	Pipe	Clay pipe
065		3	Deposit	Mixed midden deposit with stones
066		3	Deposit	Mixed midden deposit with cobble stones
067		3	Deposit	Dirty grey sand
068		3	Wall	Poss foundations of 18th C wall, southern elevation
069		5	Deposit	Mixed sand deposit
070		5	Deposit	Mixed midden deposit
071		9	Wall	Sandstone wall
072		9	Surface	Cobbles abutting wall (071)
073		9	Wall	NE-SW wall line - foundations of upstanding wall within courtyard
074		3	Wall	NE-SW - stone wall
075		3	Deposit	Mortar deposit
076		9	Deposit	Midden deposits over (071)
077		9	Deposit	Mixed made ground
078		9	Wall	Lower foundations of wall (poss 18th C)
079		9	Deposit	Sand deposit
080		3	Cut	Modern cut for drainage
081		3	Cut	Cut of trench
082		4	Deposit	Sand deposit, likely same as (067)
083		3	Surface	Paving stone E of (074)
084		3	Surface	Patch of cobbled surface - W of (074)
085		5	Deposit	Poss natural/prob re-deposited natural
086		9	Wall	NW-SW stone wall
087		9/10	Deposit	Mid orangey brown silty sand
088		10	Deposit	Yellow-brown sand
089		10	Deposit	Yellow-brown sand (same as (088))
090		10	Cut	Possible cut for upstanding courtyard wall (092)
091	090	10	Fill	Mixed fill of (090)
092		10	Wall	SW facing upstanding courtyard wall
093		11	Deposit	Sandstone rubble and mortar

<b>Context</b>	<b>Fill of</b>	<b>Trench</b>	<b>Type</b>	<b>Description</b>
094		12	Deposit	Greyish drown trench backfill
095		12	Deposit	Gravel and terram - backfill of Connolly Heritage trench
096		12	Drain	Stone drain capstones
097		12	Deposit	Dark grey midden deposits
098		12	Wall	NW-SE stone wall
099		12	Deposit	Mid orangey brown sand deposit
100		14	Surface	Concrete floor inside stable corridor
101		14	Deposit	Rubble makeup deposit below (100)
102		14	Surface	Stone paved floor
103		14	Deposit	Sandstone and mortar deposit
104		14	Deposit	Mid yellow-brown silty sand
105		14	Deposit	Sandstone and mortar deposit
106		14	Wall	Foundation stones of internal stairwell
107		14	Wall	NE-SW stone wall
108		14	Wall	NW-SE upstanding courtyard wall
109			Surface	Tarmac surface removed from within vennel
110			Surface	Resin road surface at entrance to vennel
111		16	Cut	Cut of water pipe
112	111	16	Fill	Fill of water pipe track
113		16	Deposit	Greyish brown silty sand
114		16	Deposit	Thin compacted grey stony layer
115		16	Deposit	Dark grey/black cinder deposit
116		16	Deposit	Dark orangey brown silty sand
117		16	Deposit	Mixed compact orangey brown silty sand deposits
118		16	Deposit	Pale yellow/white mortar deposit
119		16	Deposit	Dark grey/black compact deposit
120		16	Deposit	Light grey ash deposit
121		16	Deposit	Pale white mortar deposit
122		16	Wall	SW vennel foundations
123		16	Wall	NE vennel foundations
124		16	Cut	Cut for modern pipe
125	124	16	Fill	Dark grey fill of (124)
126		16	Deposit	Same as (113)
127		16	Deposit	Same as (117)
128		16	Cut	Cut for modern drain
129	128	16	Fill	Type 1 upper fill of (128)
130	128	16	Fill	Orangey brown lower fill of (128)
131		17	Deposit	Mid greyish brown sandy silt
132		17	Surface	Cobbled surface
133		17	Surface/wall	Flat stone abutting (132), paving/wall
134		17	Deposit	Orangey brown silty sand
135		17	Deposit	Gritty ashy midden deposit
136		17	Deposit	Gritty ashy midden deposit
137		17	Deposit	Mid greyish brown sand
138		17	Deposit	Mid brownish grey sand
139		17	Deposit	Rubble and mortar deposit
140		17	Deposit	Orangey brown sand
141		17	Deposit	Dark grey/black ashy deposit
142		19	Surface	Resin/tarmac surface
143		19	Deposit	Type 1 below (142)
144		19	Cut	Cut for modern services
145	144	19	Fill	Pink sand fill of (144)
146		19	Deposit	Brownish grey sandy silt - disturbed ground
147		19	Deposit	Gritty black cinder deposit
148		19	Deposit	Orangey brown silty sand and rubble
149		19	Deposit	Mid greyish brown made ground

Context	Fill of	Trench	Type	Description
150		19	Cut	Cut for modern drain
151	150	19	Fill	Lower pea gravel and pipe fill of (150)
152	150	19	Fill	Mid brownish grey fill of (150)
153		19	Deposit	Orange and grey sand, likely natural deposits
154			Surface	Concrete surface - E corner of courtyard
155			Surface	Cobble stones below (154)
156			Wall	Central dividing wall - NE-SW
157			Wall	NE-SW return at SE end of (156)
158			Cut	Cut of Connolly Heritage trench
159			Culvert	Stone culvert in N corner of courtyard
160			Deposit	Mid yellow-brown overburden
161			Wall	Foundations of SW facing courtyard wall
162			Surface	Grass/soil ground surface SW of (156)
163			Surface	Tarmac surface in S corner and entrance of courtyard
164			Surface	Concrete surface in S corner of courtyard
165			Surface	Cobbled surface beneath (162)
166			Wall	Sandstone and mortar wall - NE-SW
167			Gully	NE-SW cobble gully - SE of (166)
168			Surface	Cobbled surface SE of (167)
169			Deposit	Yellow-brown sand
170			Surface	Cobbles removed from SW entrance

### APPENDIX 3: Drawings Register

Dwg No.	Sheet No.	Scale	Plan / Section	Description/contexts
1	1	1:200	Plan	Plan of stable courtyard
2	2	1:20	Section	NW facing section of Tr1
3	2	1:50	Plan	Plan of Tr1
4	3	1:50	Plan	Overall plan of structure and cobbles within SE corner of stable courtyard
5	4	1:50	Plan	Plan of Tr7
6	5	1:50	Plan	Underlay plan of Tr7
7	5	1:50	Plan	Mid-ex plan of Tr5
8	5	1:50	Plan	Post-ex plan of Tr5
9	5	1:50	Plan	Plan of slot at NE end of Tr8
10	6	1:20	Section	NW facing section of Tr7
11	7	1:20	Section	SE facing section of Tr5
12	7	1:20	Section	NE facing section of Tr6
13	8	1:20	Section	Continuation of NE facing section of Tr6
14	8	1:50	Plan	Plan of Tr2
15	8	1:20	Section	E facing section of Tr2
16	6	1:50	Plan	Partial plan of Tr8
17	6	1:50	Section	NW facing section of Tr8
18	9	1:10	Section	NNW facing section through manhole (062)
19	9	1:10	Plan	Plan of manhole (062)
20	10			VOIDED
21	10			VOIDED
22	10	1:20	Plan	Plan of wall (071) and surface (072) in Tr9
23	10	1:20	Section	SE facing section of (071) (072) (073) - Tr9
24	11	1:20	Section	NNW facing section of Tr3
25	11	1:20	Section	N facing section of Tr3
26	11	1:20	Section	NNE facing section of Tr3
27	11	1:20	Section	NNE facing section of Tr3
28	11	1:20	Section	NE facing section of Tr3

Dwg No.	Sheet No.	Scale	Plan / Section	Description/contexts
29	12	1:20	Section	NE facing section of Tr4
30	12	1:20	Section	NE facing section of Tr4
31	12	1:20	Section	NE facing section of Tr4
32	12	1:20	Section	ENE facing section of Tr4
33	12	1:20	Section	ENE facing section of Tr4
34	13	1:20	Plan	Plan of Tr3, overlay 0-2.05m
35	13	1:20	Plan	Plan of Tr3, formation level
36	13	1:20	Section	Continuation of SE facing section of Tr9
37	13	1:20	Section	SSW facing section of Tr10
38	13	1:20	Section	NE facing section of Tr11
39	14	1:50	Plan	Plan of mid section of Tr12
40	14	1:20	Section	NW facing section of Tr12
41	14	1:20	Plan	Mid-ex plan of Tr14
42	14	1:20	Section	S facing section of Tr14
43	15	1:20	Plan	Post-ex overlay plan of Tr14
44	15	1:20	Section	E, NE, N facing section of Tr16
45	15	1:20	Section	NW facing section of Tr16
46	15	1:50	Plan	Plan of vennel and Tr16
47	16	1:20	Section	SSW facing section of Tr17
48	16	1:20	Plan	Plan of WNW end of Tr17
49	17	1:20	Plan	Plan of Tr19
50	17	1:20	Section	SW facing section of Tr19

#### APPENDIX 4: Trench Summary

Trench	Size	Depth	Description
1	24.0m x 0.75m	0.50m	Trench 1 was orientated NE-SW. At the NE end it contained 0.15m of modern type 1 (005) laid during groundworks, overlying 0.35m of dark brown clayey silt made ground deposits (006). Beneath this was cobbled surface (007), measuring 0.75m wide by c.4.0m in length and 0.10m deep, same as (027). A thin bedding layer (0.02m) of mid yellowy brown sand was below the cobbles. Under the NE end of the cobbles was stone and mortar wall/foundations (009), orientated NW-SE and measuring 0.75m in length by 1.10m wide. Around 4m SW of this was another stone and mortar wall/foundations (010), orientated ESE-WNW, measuring 0.75m by 0.75m. Along its SW face was unknown brick feature (011), measuring 0.75m by 0.12m, possibly part of a collapsed drain. 2.0m to the SW of this was a brick cundy drain (012), orientated ESE-WNW and measuring 0.75m by 0.85m. No other features were found within rest of trench. This trench was for drainage in the S half of the stable courtyard.
2	20.0m x 0.60m	0.50-0.70m	Trench 2 was orientated N-S. Across the whole trench there was 0.10-0.20m of modern type 1 hardcore (044), same as (005). At the far N end of the trench a pocket of mixed dark grey silty sand (045), 0.15m deep, overlaid a black coal/charcoal deposit (046), 0.1m thick. These both sealed NW-SE aligned stone and mortar wall (043), measuring 0.3-0.5m wide by 0.60m in length and 0.10m deep. The wall is abutted by mottled brown-grey sand deposit (048), this was overlaid by light brown-yellow sand (047) and grey clayey silt made ground deposit (049). Stretching the rest of the trench, c.15.5m, was dark grey sandy clay mixed midden/made ground deposit (050). This contained fragments of bone,



Trench	Size	Depth	Description
			pottery, glass and charcoal. This sealed yellow sandy clay deposit (052), greyish brown sand deposit (053) and brick culvert (051), which measured 0.60m by 0.75m by 0.32m deep. This trench was for drainage in the S half of the stable courtyard.
3	18.5m x 0.60m	0.50-0.60m	Trench 3 was orientated ENE-WSW, E-W and ESE-WSW. Across the whole trench there was 0.10-0.40m of modern type 1 hardcore (044). Below this in the W half of the trench is dark grey silty clay/sand mixed made ground deposit (066), c.030m deep. To the E this overlaid dirty grey sand deposit (067), 0.35m at its deepest, similar to the cobble bedding sand seen across the site. This covered NW-SE stone and mortar wall/foundations (068), measuring 1.0m by 1.3m. At the ENE end of the trench was NE-SW stone wall (074), this was the same as upstanding wall (157), which forms part of the rectangular enclosure that stood within courtyard. To its NE it was abutted by 0.30m of grey mixed clay made ground (065) and a thin lens of dirty mixed sand (069). To its SW was a patch of cobbled surface (084), 3.0m in length by 0.60m. Below this was sand (067) with mixed grey crushed mortar deposit (075) under this. This trench also cut through the backfill of both Tr1 and Tr2. This trench was for drainage in the S half of the stable courtyard.
4	15.1m x 0.60m	0.40-0.60m	Trench 4 was orientated SE-NW and SSE-NNW. Across the whole trench there was 0.10-0.25m of modern type 1 hardcore (044). Below this was 0.10-0.40m of dark grey silty clay/sand mixed made ground deposit (066). To the SE this overlaid 0.20m of dirty grey sand (067), and to the NW overlaid 0.30m of a very similar sand deposit (082), likely the same. This trench cut through the backfill of Tr1, Tr2 and Tr3. No features were recorded. This trench was for drainage in the S half of the stable courtyard.
5	12.7m x 0.60m	0.50-0.60m	Trench 5 was orientated NE-SW. Across the whole trench there was 0.10m of modern type 1 hardcore (044). Below this was a thin lens of mixed grey sand (069) which was above 0.30-0.40m dark grey sandy clay (070), a mixed deposit of sand, charcoal and cobbles. Possible that site traffic, spoil heaps and invasive drainage works have disturbed this area. In the centre of the trench there is brick culvert (035), measuring 0.60m by 0.40m by 0.30m, orientated ENE-WNW. Directly SW of this is NE-SW stone wall (034), measuring 0.50m by 0.60m. At the base of the trench there is natural/re-deposited natural deposit (085). At the very SW end of trench in the W corner of the courtyard is brick manhole/drain (038), measuring 1.0m by 1.2m, and filled by mixed dark grey sandy clay (042). This trench was for drainage in the S half of the stable courtyard.
6	17.4m x 0.60m	0.50m	Trench 6 was orientated NW-SE. Across the top of the SE half of the trench was cobbled surface (028), with bedding sand deposit (008) beneath. The NW half had modern hardcore (044) on top. Beneath these was 0.30-0.40m of mixed dark grey sandy clay made ground deposit (070). This was above natural/re-deposited natural (085). In the centre of the trench there was a test pit dug [055] (056) prior to CFAs arrival. Manhole/drain (038) was crossed at NW end. No other features were recorded. This trench was for drainage in the S half of the stable courtyard.
7	17.0m x 0.60m	0.40m	Trench 7 was orientated NE-SW. Across the whole trench there was 0.10-0.40m of modern type 1 hardcore (044). Below

Trench	Size	Depth	Description
			this in the SW half of trench was the continuation of cobbles (028), with bedding sand (008) beneath. Abutting cobbles was brick/sandstone wall (032), measuring 0.60m by 0.20m by 0.20m deep, likely remains of demolished lean to structure against courtyard wall. Below this was a thin black coal deposit (041). Beneath this, across the whole trench, was 0.05-0.15m of mottled made ground (039) (same as (070)). This was above 0.15-0.20m of mottled redeposited natural (040), likely same as (085). In the middle of the trench at the base was the remains of red sandstone wall (033), measuring 0.60m by 0.70m by 0.50m deep. This trench was for drainage in the S half of the stable courtyard.
8	21.4m x 0.60-1.0m	0.50-0.60m	Trench 8 was orientated NE-SW. Across the whole trench there was 0.10-0.20m of modern type 1 hardcore (044). Below this in the SW half of the trench was 0.40m of mottled brown silty clay deposit (058). In the NE half there was 0.40-0.50m of yellow-white sandy-gritty mortar deposit (061), with brick and demolition rubble fragments. Beneath these deposits was 0.30m of mottled black clayey silt deposit (059). Below this at the bottom of the trench was 0.05-0.10m yellowish-grey brown silty sand (060). To the SW end there was brick feature (057), measuring 0.30m by 0.30m by 0.30m. Likely the remains of a modern brick drain. At the far NE end of the trench a 1.4m by 1.0m by 0.60m hole was dug in the corner of the courtyard against the walls. At the base in the N corner was a section of stone wall foundations (036), orientated NE-SW and measuring 0.50m by 0.52m by 0.10-0.15m. These seemed to be below the existing stable walls. To the E of (036) was yellow-white mortar wall foundations (037), measuring 0.50m by 0.57m. These were also below the current stable building walls. This trench was for drainage in the N half of the stable courtyard.
9	9.0m x 0.60m	0.60-1.0m	Trench 9 was orientated NE-SW. Across the whole trench there was 0.10m of modern type 1 hardcore (044). Beneath this was 0.20-0.20m of dark greyish black silty midden deposits (076). Towards the middle of the trench this sealed a small area of rough surface (072), formed of sandstone blocks, cobbles and unfrogged bricks. At its SW end it abutted stone wall (071), with foundations (078) 0.70m below ground surface. At the NE end there were visible remains of NE-SW foundations (073) in the SE facing section from the upstanding rectangular courtyard building. Beneath this was sand deposit (079). To the SW of wall (071) was 0.50-0.60m of mixed greyish brown sandy silt made ground deposits (077). To the SW end of the trench this overlaid stone wall remains (086), measuring 0.60 by 0.90m by 0.30m, with possible alignment of NW-SE. This sat on 0.30m of mid orangey brown silty sand (087), possibly redeposited natural. This trench was for drainage in the S half of the stable courtyard.
10	3.0m x 0.60m	0.70-0.80m	Trench 10 was orientated WNW-ESE and was the return of Tr9. Across the whole trench there was 0.10m of modern type 1 hardcore (044). Through the centre was the cut and backfill of Tr5. To the ESE this cut through 0.14m of mid yellow-brown sand (088), possibly the remains of cobble bedding, and 0.30m of mixed greyish brown sandy silt made ground deposits (077). This was above 0.30m of mid orangey brown silty sand (087), possibly redeposited natural. To the WNW 0.14m of the same sand (089) was above 0.60m of mixed greyish brown sandy silt (091), which was the fill of possible

Trench	Size	Depth	Description
			cut [090] for SW facing courtyard wall (092). This trench was for drainage in the S half of the stable courtyard.
11	14.0m x 0.60m	0.40m	Trench 11 was aligned N-S and then mainly SE-NW. Across the whole trench there was 0.05-0.10m of modern type 1 hardcore (044). This overlaid 0.35m of pale yellow-white silty sand mortar deposit (093). Filled with frequent fragments of sandstone, slate, tiles and other building debris. Same as (061) recorded in Tr8. No features were recorded. This trench was for the new lighting cable ducts in the N half of the courtyard.
12	25.0m x 0.50m	0.35m	Trench 12 was orientated NE-SW. Across the whole trench there was 0.10m of modern type 1 hardcore (044). The NE end of trench was heavily disturbed by the earlier phase of groundworks, and the middle of the trench uncovered the drainage trench excavated by Connolly Heritage. 0.10m of greyish brown silty sand (094) sat on 0.10m of pink gravel (095), both modern disturbance or backfill. Below this were drain capstones (096), measuring 4.5m by 0.4m by 0.15m. These were left in situ. To the SW was 0.30m of dark grey sandy silt made ground/midden deposits (097). To the SW of this at base of trench was NW-SE stone wall (098), measuring 0.40m by 0.60m. This was overlain by 0.30m of mid orange-brown sand deposit (099) which continued the remaining length of the trench. This trench was for the new lighting cable ducts in the S half of the courtyard.
13	16.0m x 0.50m	0.40m	Trench 13 was orientated N-S, NW-SE and W-E. As it was dug alongside or through previously recorded trenches none of the deposits were recorded. No features or new deposits were identified. This trench was for the new lighting cable ducts in the S half of the courtyard.
14	2.50m x 0.50m	0.90m	Trench 14 was orientated E-W. It was located within the stable building in the hallway of the NE corner entrance. 0.10m of concrete floor surface (100) was cut out with 0.10m of rubble levelling deposit (101) below this. This sealed a surface of rough paving (102) formed of pieces of broken floor slabs averaging 0.20m by 0.20m. This was removed to reveal 0.10m of pale yellow-white mortar rubble deposit (103). Below this was 0.30m of mid yellow-brown silty sand (104), with sandstone and mortar inclusions. This overlaid a thin pale yellow-white mortar deposit (105). To the W these abutted standing courtyard doorway wall (108), to the E they abutted foundation blocks of stairwell (106). At the base of the trench was sandstone and mortar wall/foundation (107), measuring 0.80m by 0.40m by 0.10m, orientated NE-SW.
15	5.5m x 0.50m	0.40m	Trench 15 was orientated NE-SW and NW-SE. As it was dug alongside or through previously recorded trenches none of the deposits were recorded. No features or new deposits were identified. This trench was for the new lighting cable ducts in the S half of the courtyard.
16	5.5m x 0.50m and 3.7m x 0.50m	0.40-0.45m	Trench 16 was Y shaped so mainly orientated E-W, NW-SE and N-S, with a NE-SW cross branch. 0.10-0.15m of tarmac was removed from within the entrance vennel. Below this was 0.10-0.15m of greyish brown silty sand (113) (123), which covered the whole vennel. At the SE end this was over 0.02m of pale grey compacted clayey silt, which was over 0.10m of cinder deposit (115), which overlaid 0.12m of dark brown silty sand (116). This was over of compacted mixed orangey brown silty sand deposits (117) (127). A thin layer of pale-white mortar deposit (118) was beneath this. To the NW end (113) (126) was directly over 0.38m of (117) (127). Vennel

Trench	Size	Depth	Description
			foundation stones (123) (122) were also identified, with mortar deposit (121) overlying (122). All of these deposits were disturbed by modern service cuts [111] (112) (119), [124] (125) and [128] (130) (129). Two small holes, c.0.75m x 0.75m, were dug either side of the outer vennel entrance, with a small tunnel joining these to Tr16. This trench was for the new lighting cable ducts in the entrance vennel in the N half of the courtyard.
17	17.0m x 0.50m	0.40m	Trench 17 was orientated WNW-ESE. Across the whole trench there was 0.15m of modern type 1 hardcore (044). At the WNW end there was 0.25m of mid greyish brown silty sand (131), which is likely just disturbed ground. To the ESE of this was the cut and backfill of Tr12 and the Connolly Heritage trench. ESE of this 0.30m of orangey brown silty sand (134) overlaid partial cobbled surface (132). This abutted a line of flagstones/wall (133). Cobbles (132) continued the other side but dived under mixed white-grey ashy midden deposit (135). To the ESE (134) was overlain by 0.15m of mixed ashy deposit (136). This was overlaid by 0.30m of mid greyish brown sand (137), possibly modern disturbance during ground works. In the ESE half of the trench 0.05m of mid brownish grey sand (138), which was over 0.10-0.20m of pale yellow-white mortar deposit (139), possibly the same as (061) (093). This was over 0.05-0.10m of orangey brown sand (140), which was over dark grey-black ashy deposit (141). This trench was for the new lighting cable ducts in the entrance vennel in the N half of the courtyard.
18	2.5m x 0.5-1.0m	1.3m	Trench 18 was orientated NE-SW, with a wider section dug at the SW end. It was dug just outside the southern entrance of the stables, connecting a waste pipe to the existing pipe. Trench was full of modern service ducts, with very little in situ deposits remaining. No features were identified or recorded.
19	4.25m x 0.6-1.5m	1.4m	Trench 19 was orientated NW-SE and was located on the outside of the stable buildings at the NW rear entrance of the new toilets. 0.10m of resin surface (142) was removed with 0.10m type 1 hardcore (143) below that. At SE end service cut [144] (145) truncated brownish grey sandy silt disturbed ground (146) to the SE, and black cinder deposit (147), Orangey brown silty sand (148) and mid greyish brown clayey silt (149). These deposits are also truncated to the NW by service cut [150] (151) (152). Natural orange-grey sand deposit (153) was also truncated at deeper NW end. No features were identified or recorded, too much modern disturbance. Trench was for main toilet waste pipe and new manhole.
20	0.90m x 0.80m	0.80m	A manhole outside the main Newhailes house was opened and recorded by CFA. A sandstone block 0.80m by 0.80m was removed from top of brick lined manhole (062). The manhole contained ceramic pipe (064) and was filled by a dry silty soil (063), which contained numerous sanitary products. This modern fill was likely causing the blockage. No further investigation was carried out on this feature.

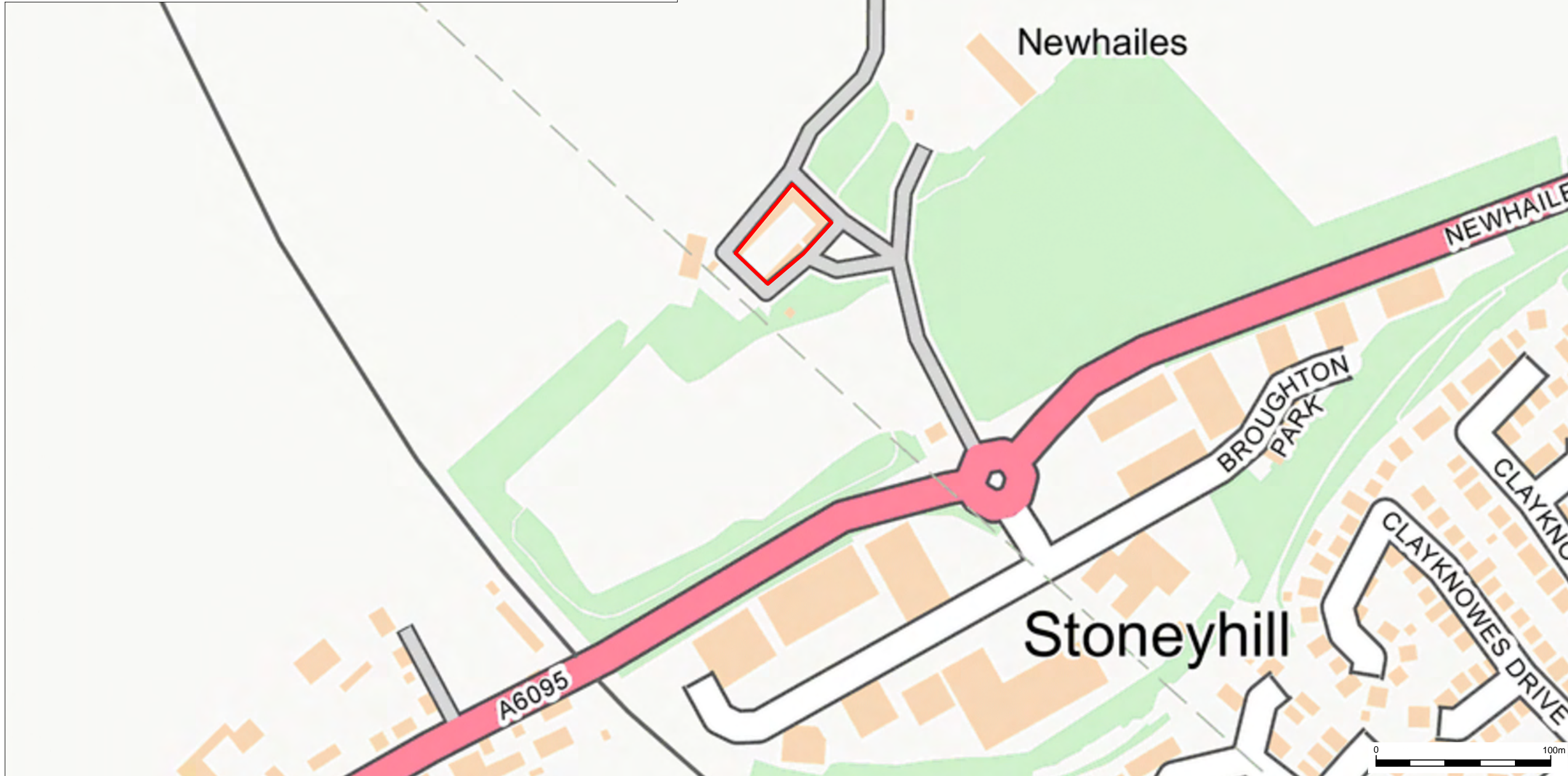
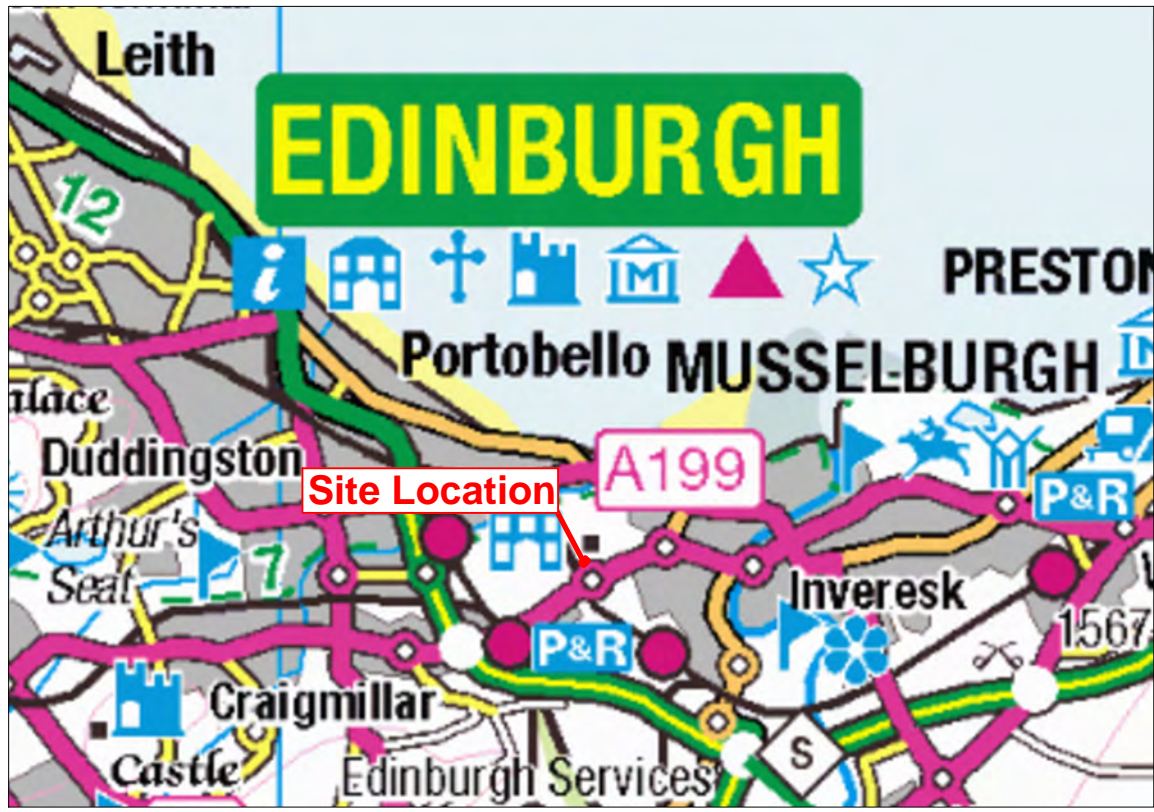
## APPENDIX 5: Finds Register

Context	Context info.	Find type	No.	Wt (g)	Notes	Spotdate
	Over cobbles	Glass	1	253	Milk bottle. Clear ½ pint. United dairies	Modern
	Over cobbles	Glass	5	1450	Milk bottle. Clear ½ pint. MURCHIES ALFA MILK	Modern
	Over cobbles	Glass	5	1598	Milk bottle. Clear ½ pint. E.&D.D.Co.Ltd. Edinburgh	Modern
	Over cobbles	Glass	3	1471	Milk bottle. Clear 1 pint. MURCHIES ALFA MILK	Modern
	Over cobbles	Glass	5	2051	Milk bottle. Clear 1 pint. E.&D.D.Co.Ltd. Edinburgh	Modern
	Over cobbles	Glass	4	915	Heinz bottles- with metal lids	Modern
	Over cobbles	Glass	1	302	Luxor Sauce bottle	Modern
	Over cobbles	Glass	1	238	Sukie Sunkap orange drink bottle	Modern
	Over cobbles	Glass	1	74	Martell Cognac bottle with lid	Modern
	Over cobbles	Glass	1	514	Water bottle. HENDRY'S	Modern
	Over cobbles	Glass	1	762	Lemonade bottle- with lid. James Dunbar Limited. Albion Road, Edinburgh	Modern
	Over cobbles	Glass	3	706	Brown bottles. Unidentified	Modern
	Over cobbles	Glass	1	125	Chemist bottle. Brown, Octagon, 'MILTON'	Modern
	Over cobbles	Glass	1	136	Chemist bottle. Clear, Hexagon, 'NOT TO BE TAKEN'	Modern
	Over cobbles	Glass	1	221	Chemist bottle. Clear, with lid, 'WOODWARD CHEMIST LONDON'	Modern
	Over cobbles	Glass	1	136	Blue bottle. Unidentified	Modern
	Over cobbles	Glass	7	1317	Clear bottles. Unidentified	Modern
	Over cobbles	Glass	1	1210	Clear bottle. Very large. Unidentified	Modern
	Over cobbles	Glass	1	349	Green bottle. Wm Murray&Co Ltd. Beer bottle	Modern
	Over cobbles	Glass	1	598	Green bottle. Unidentified	Modern
	Over cobbles	Glass	9	1174	Clear jars. Decorative	Modern
	Over cobbles	Glass	8	994	Clear jars.	Modern
	Over cobbles	Glass	1	136	Marmite Jar	Modern
	Over cobbles	Glass	1	121	Ponds cream jar	Modern
	Over cobbles	Glass	1	10	Light bulb	Modern
	Over cobbles	Pottery	1	206	White earthenware pot	Modern
	Over cobbles	Stone	1	XX	Quern Stone	
031		Animal bone	32	469		
031		Animal bone	1	15	Iron corroded to surface	
031		Animal bone	1	1	Burnt	
031		CBM	4	1084	Drain pipe	Modern
031		Pottery	1	38	Flower pot	Modern
031		Pottery	7	281	White earthenware	Modern
031		Stone	1	19	Slate	
031		Glass	1	2	Clear window?	Modern
031		Glass	5	359	Green and Clear bottle	Modern
031		Iron	2	107	Broken and bent sheet	Modern

Context	Context info.	Find type	No.	Wt (g)	Notes	Spotdate
031		Iron	8	130	Wire	Modern
031		Iron	1	320	Nail	Modern
031		Iron	1	68	Nail	Modern
031		Iron	1	42	Handle. Enamelled	Modern
031		Iron	1	202	Strap, curved	Modern
031		Iron	1	295	Strap. Nail holes and nail	Modern
031		Modern alloy	1	68	Sheet edge	Modern


## APPENDIX 6: Discovery and Excavation in Scotland Entry

<b>LOCAL AUTHORITY:</b>	East Lothian Council
<b>PROJECT TITLE/SITE NAME:</b>	Newhailes Estate: Stables
<b>PROJECT CODE:</b>	NHST
<b>PARISH:</b>	Inveresk
<b>NAME OF CONTRIBUTOR:</b>	John Musgrove
<b>NAME OF ORGANISATION:</b>	CFA Archaeology Ltd
<b>TYPE(S) OF PROJECT:</b>	Watching Brief
<b>NHRE NO(S):</b>	NT37SW 168.02
<b>SITE/MONUMENT TYPE(S):</b>	Stables
<b>SIGNIFICANT FINDS:</b>	N/A
<b>NGR (2 letters, 6 figures)</b>	NT 325 724
<b>START DATE (this season)</b>	March 2019
<b>END DATE (this season)</b>	November 2019
<b>PREVIOUS WORK (incl. DES ref.)</b>	
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (May include information from other fields)	<p>An archaeological watching brief was carried out by CFA Archaeology Ltd at Newhailes Stables, Musselburgh, as part of the renovation of the Stable buildings. Two main phases of groundbreaking works were monitored; the first oversaw the removal and reduction of the ground surface within the stable courtyard; the second involved monitoring the excavation of all sub-surface service routes, which included the installation of new drainage and lighting cabling.</p> <p>The programme of works identified the fragmentary remains of the original 18<sup>th</sup> century stable block, with substantial foundations recorded 0.35-0.4m below the surface, which align with the 1798 estate plan. The majority of the remaining features have been shown to relate to the mid-later 19<sup>th</sup> century, specifically the rectangular walled structure within the stable courtyard.</p>
<b>PROPOSED FUTURE WORK:</b>	None
<b>CAPTION(S) FOR ILLUSTRS:</b>	None
<b>SPONSOR OR FUNDING BODY:</b>	National Trust for Scotland
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	Old Engine House, Eskmills Business Park, Musselburgh, EH21 7PQ
<b>EMAIL ADDRESS:</b>	cfa@cfa-archaeology.co.uk
<b>ARCHIVE LOCATION (intended/deposited)</b>	Archive to be deposited with HES Reports lodged with East Lothian Council SMR



New

Key:

 Site boundary



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Title:  
General location plan

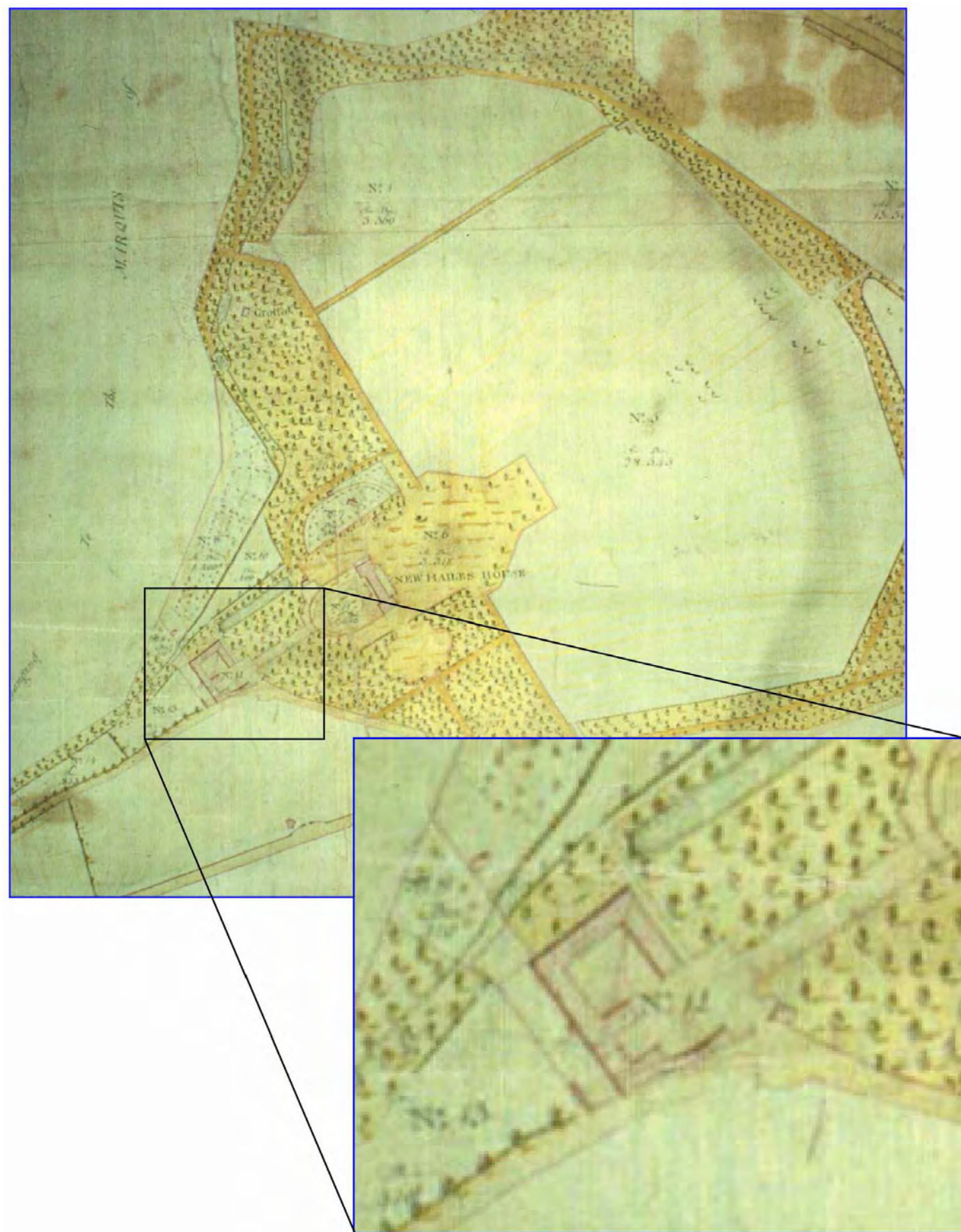
Project:  
Newhailes Estate: Stables

Client:  
National Trust for Scotland

Scale at A3:  
1:2500

Drawn by: RK	Checked: SW	Date: 29/01/2020
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Report No: 3875	Fig. No: 1
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Title:  
**1798 Estate Plan**

Project:  
**Newhailes Estate: Stables**

Client:  
**National Trust for Scotland**

Scale at A3:  
**NTS**

Drawn by:	Checked:	Date:
RK	SW	30/01/2020

Report.No:	Fig. No:
3875	2



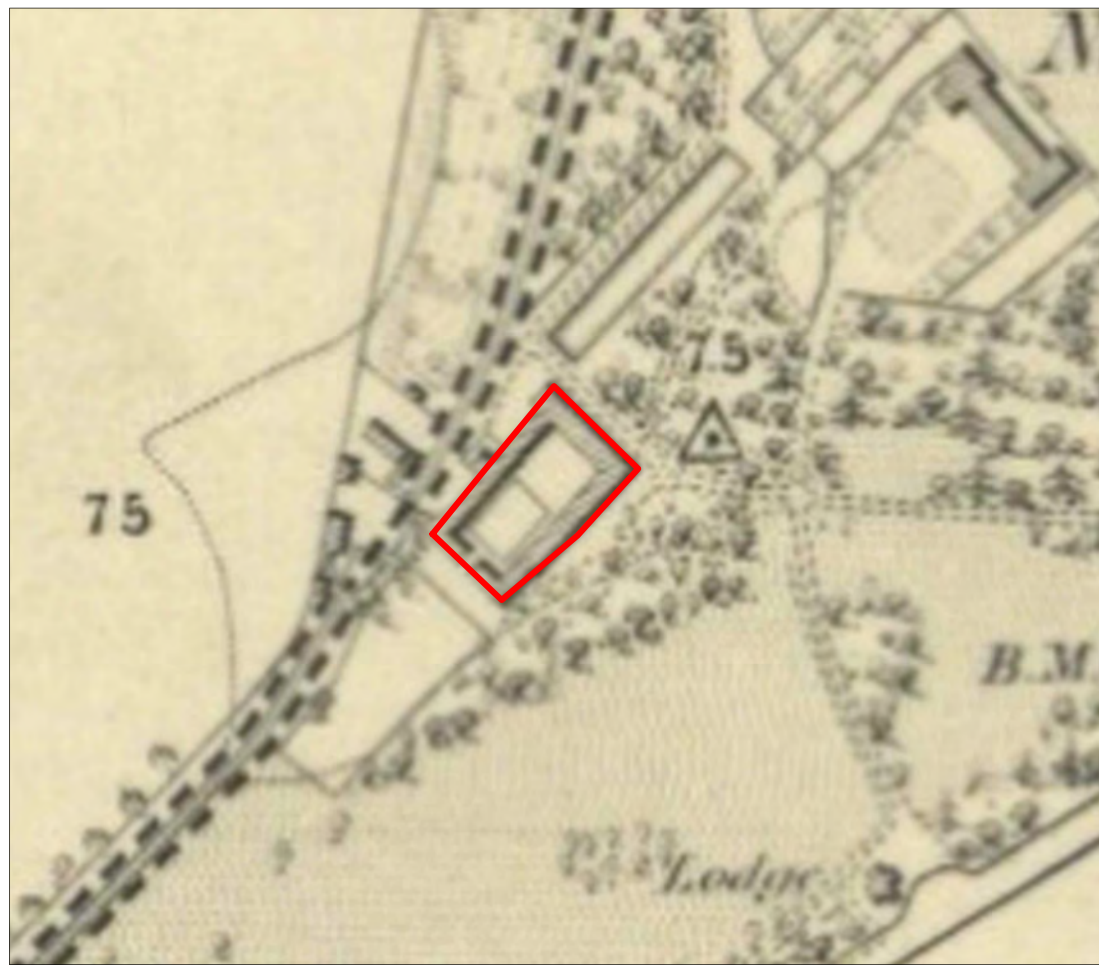


Fig.3a: OS First Edition 1854 -  
Edinburghshire Sheet 3



Fig.3b: OS 2<sup>nd</sup> Edition 1895 -  
Edinburghshire Sheet IV.SW



Fig.3c: OS 3rd Edition 1919 -  
Edinburghshire Sheet IV.SW

Key:

Site boundary



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Title:  
Historical map progression

Project:  
Newhailes Estate: Stables

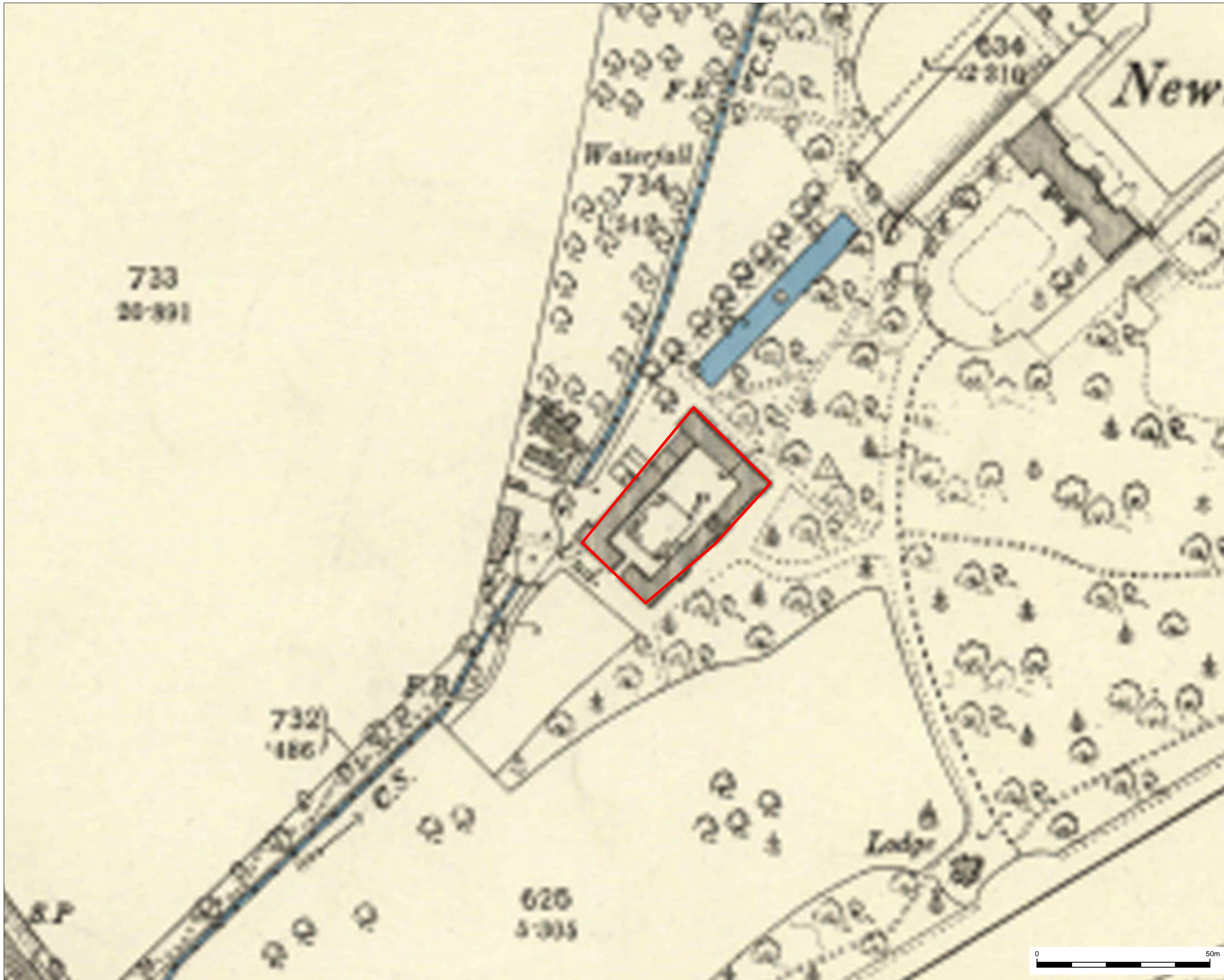
Client:  
National Trust for Scotland

Scale at A3:  
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Report.No: 3875	Fig. No: 3a-c
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Key:

Site boundary



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Title:  
OS 25 inch 1895 - Edinburgh IV.10

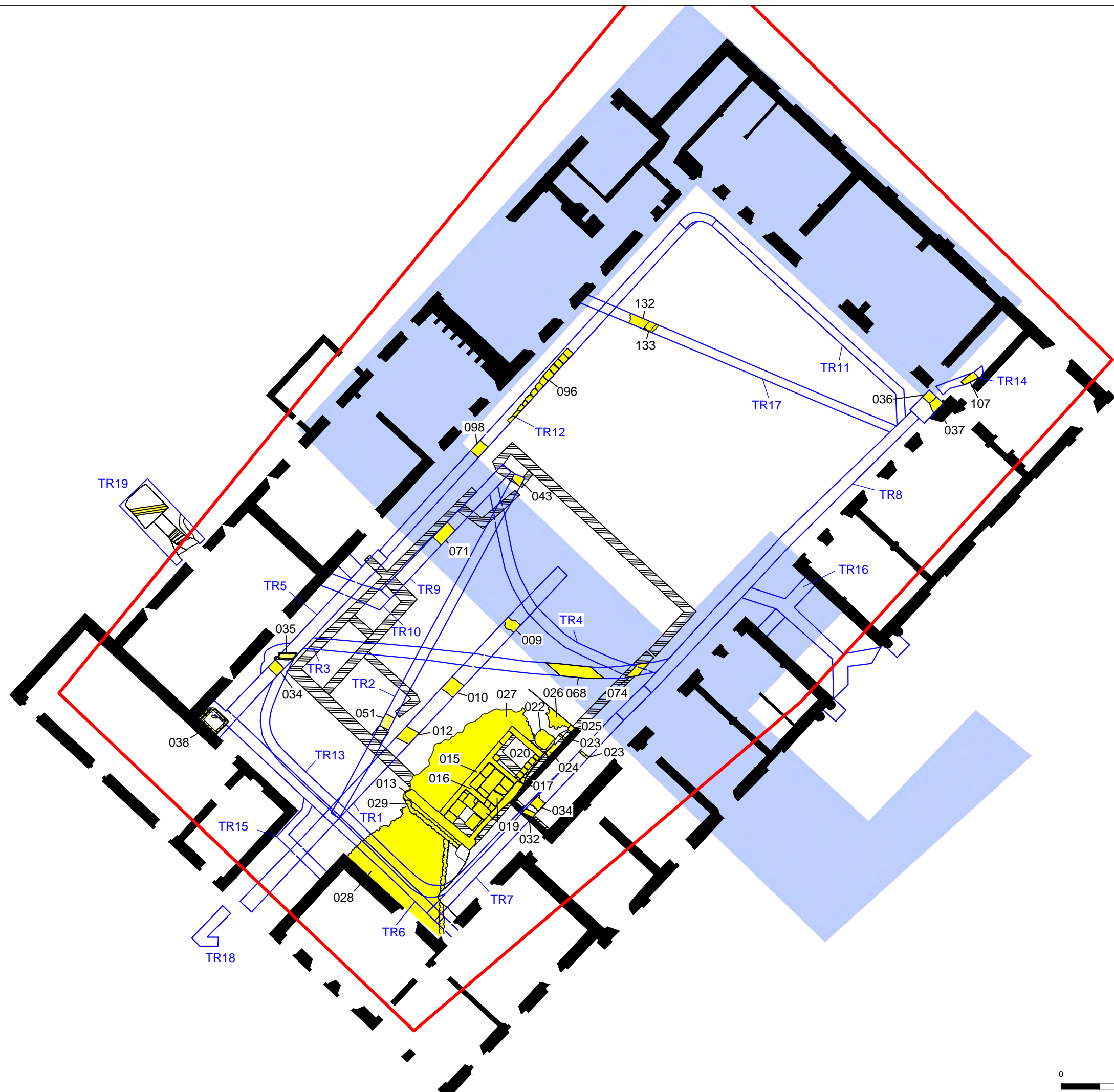
Project:  
Newhailes Estate: Stables

Client:  
National Trust for Scotland

Scale at A3:  
1:1000

Drawn by: RK	Checked: SW	Date: 30/01/2020
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Report No: 3875	Fig. No: 3d
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Key:

- Courtyard walls
- 1798 Estate Plan
- OS 25 inch 1892-1914
- Trench
- Archaeological feature



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Title:  
Trench location plan

Project:  
Newhailes Estate: Stables

Client:  
National Trust for Scotland

Scale at A3:  
1:200

Drawn by: RK	Checked: SW	Date: 30/01/2020
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Report No: 3875	Fig. No: 4
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Fig. 5 -Pre-ex view of cobbles (001) and wall (156) in N half of courtyard



Fig. 6 - Stone culvert (159)

Project:  
Newhailes Estate: Stables



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Fig. 7 -Wall (166), cobble gully (167) and cobble surface (168)



Fig. 8 - Cobbled surfaces and stone walls in S corner of courtyard

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Fig. 9 -Cobbled surface (028)



Fig. 10 - Flagstone paving (019)

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Fig. 11 -Wall foundations (009) and cobbles (007) in Tr1



Fig. 12 - Wall foundations (068) in Tr3

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Fig. 13 -Wall (098) in Tr12



Fig. 14 - Foundations (036) and (037) in Tr8

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Fig. 15 -Wall (107) in Tr14



Fig. 16 - Wall (033) in Tr7

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Fig. 17 -Culvert (051) in Tr2



Fig. 18 - Brick manhole (038) in Tr5

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Fig. 19 -Wall foundation (010) and brick feature (011) in Tr1



Fig. 20 - Wall (071) and surface (072) in Tr9

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Fig. 21 - Culvert capping stones (096) in Tr12



Fig. 22 - Manhole (062) outside Newhailes House, Tr20

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