

# CFA Archaeology Ltd

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*Geophysical Survey*

**18-22 Potterrow,  
Edinburgh**

**Archaeological Evaluation**

**Report No. 1986**

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# **1. INTRODUCTION**

## **1.1 General**

This report presents the results of an archaeological evaluation undertaken by CFA Archaeology Ltd (CFA) in November 2011 at the site of a proposed extension to the Edinburgh Festival Theatre and new student accommodation at 18-22 Potterrow, Edinburgh (NGR: NT 25939 73252) (Fig. 1). The work was commissioned by Mott MacDonald Ltd.

A Written Scheme of Investigation (WSI) dated 14 October 2011 was produced by CFA and approved by the City of Edinburgh Council Archaeology Service (CECAS).

## **1.1 Background**

The area to be evaluated lay within the historic late-medieval/post-medieval suburb of Potterrow, within both the UNESCO World Heritage site of Edinburgh's Old Town and also the Southside Conservation Area. This area is known to be an industrial centre lying outside of the city walls during the later medieval period.

A desk-based assessment has previously been carried out (Smith 2010) which describes map evidence from the late 16th and 17th centuries which shows the site as being occupied by properties constructed along a main access road leading into Edinburgh via a fortified gate on the line of the adjacent West College Street.

Recent excavations within the adjacent Quadrangle of Edinburgh University's Old College have located the remains of not only earlier post-medieval buildings but also remains of the 13<sup>th</sup> century Kirk O'Field's Collegiate Church. This church, demolished after the Reformation, originally stood outwith the limits of the medieval city, finally being incorporated within the town around the start of the 16<sup>th</sup> century by the Flodden Wall.

## **1.2 Aims and Objectives**

The project's aims and objectives were:

- to establish the presence/absence, extent, condition, character, quality and date of any archaeological features or deposits within the proposed development area through trial trenching evaluation
- to establish the significance and vulnerability of any archaeological features to the proposed development
- and to propose mitigation measures if required.

## **2. WORKING METHODS**

### **2.1 General**

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

### **2.2 Evaluation**

Five trenches of varying dimensions (covering 136m<sup>2</sup> in total, or 8.6% of the development site; Fig. 1) were excavated across the proposed development area with buffer zones maintained when trenching in the proximity of underground services. All trenches were excavated using a JCB mechanical excavator equipped with a smooth-bladed ditching bucket under constant archaeological supervision. Any further excavation required to fulfil the objectives of the evaluation 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.

Trench positions were surveyed by tape and offset and trenches were backfilled at the end of each working day.

### 3. ARCHAEOLOGICAL RESULTS

#### 3.1 General

A modern concrete surface (**018**) used as a car park, was removed at the southern extent of the site in the vicinity of Trenches 1 and 2. Elsewhere across the site the existing surface was made up of hardcore deposits which varied in thickness. Masonry of archaeological significance was encountered in Trenches 3, 4 and 5, with the highest upstanding structural remains found at a depth of c. 0.15m below the current ground level in Trench 4. A firm, sterile orange-yellow clay (**000**), interpreted as natural, was encountered in all the trenches, with the exception of Trench 5 where the level of natural was not reached.

Numbers in bold in the following text refer to contexts, a full list of which is contained in Appendix 1.

#### 3.2 Trench Summary

##### *Trench 1*

Trench 1 was orientated north-west to south-east and was located at the south-eastern end of the site (Fig. 3-4). Beneath a deposit of topsoil (**001**), hardcore (**002**) and sandy silt gravel (**003**) were the remains of a slab and concrete surface (**004**, **005**) built up against a thin brick wall (**015**). This was most likely the remnants of part of the Empire Garage (visible on the 1946-1947 Ordnance Survey map). A compact rubble make-up layer (**006**) for concrete surface (**005**) sealed several service trenches (**009**, **011**, **013**) which cut through natural (**000**).

At the southern end of the trench a linear feature (**016**), orientated north-west to south-east, was present cut through the natural and filled with black silty sand (**017**) which gave off a strong smell of hydrocarbons. This feature remained unexcavated due to this possible contamination.

##### *Trench 2*

Trench 2 ran parallel and to the east of Trench 1 (Fig. 3, 5). A concrete surface (**018**) was present throughout the trench along with an underlying levelling course of red bricks / stone slabs (**019**) or silty sand rubble (**020**). A black asphalt make-up layer lay below **019** at the southern end of the trench, and a black silty sand deposit (**024**) lay below **020** towards the centre of the trench. A mixed yellow sandy mortar-like layer and a dark orange-brown clay layer underlay **019** to the north. A concrete brick-edged platform (**022**), enclosing 5 small metal pipes, cut through **020** and **019** in the centre of the trench.

Immediately to the south of pipe installation **022** was a square or rectangular red brick chamber (**040**) with a brick laid base measuring 1.2m north-south and running into the eastern section of the trench. A black organic sandy silt deposit made up the majority of the fill of this structure and contained sherds of 19<sup>th</sup> and 20<sup>th</sup> century pottery. A lens of dark grey ash (**039**) was found at the base of the chamber on top of the brick

surface. A fine white mortar was used to bond the bricks together. The cut for pipe installation **022** truncated the northern limit of masonry **040**.

Orientated east-north-east to west-south-west, service trenches **032** and **034** cut through a yellow grey sandy rubble deposit (**025**) and a black sandy silt deposit (**027**) found across the southern end of the trench.

At the southern limit of the trench a reddish black stony silty clay deposit was used to infill what appears to be a natural hollow in the topography. This was overlain in part by a thin lens of reddish clay (**028**).

A lead pipe service trench (**030**) cut through the interface between **019** and **020**. Service trenches (**036**, **043** and **045**) in the central and northern area of the trench cut through the clay natural and were overlain by deposits **024**, **042** and **020** respectively.

A disused manhole shaft was encountered 5m south of the northern limit of trench 2, against the western edge, measuring 0.8m by 0.8m. A disused service pipe (**045**) could be seen running into this shaft. The depth of the structure was unknown but it was at least 0.5m deep and constructed from yellow and pink bricks.

### *Trench 3*

Trench 3 was located in the northern half of the site and ran north-west to south-east (Fig. 3, 6, 7). The surface in this area consisted of grey-blue and dark green hardcore deposits (**048** and **055**) respectively), with hardcore gravel and asphalt make-up layers beneath them. A series of services were present at the southern end of the trench which were left in place.

A cobbled surface (**078**) was encountered 4m from the southern end of the trench, 0.3m below the present surface, measuring 1.4m north-south and at least 1.2m east-west. The surface (**078**) had been severely truncated by services to the south and by a concrete deposit (**060**) to the west. This cobbled surface sat on a mixed black silty clay rubble deposit (**063**) that ran up to wall **074** to the north.

Wall **074** (Fig. 7) was located 10.5m from the southern end of Trench 3 and had a construction cut (**072**) to the south which cut through deposit **063**. The wall was 0.58m in width and ran across the trench on an east-north-east to west-south-west alignment, with the northern elevation of the wall surviving to a height of 1.14m. Yellow mortar was used to bond the stone of the wall together and was seen extensively over both faces. A bitumen damp-proofing layer (**076**), 0.04m thick, ran up to and onto the base of the northern face of the wall and continued for another 9.4m to the northern end of the trench. Wooden planks (**075**) were seen intermittently on top of this surface running east-west across the trench and appeared to be the base of a previously removed floor (Fig. 7). A sondage was placed through this damp-proofing material, close to the north-facing elevation of wall **074**, to reveal that it lay directly on orange clay natural (**000**). Pressed into this clay, beneath **076**, were occasional bottle bases of 18<sup>th</sup> to 19<sup>th</sup> century date. Damp-proof surface **076** was 1.5m below the existing ground surface at its southern end and 0.9m below it at the northern limit of the trench, where it continued beyond the trench edge.

A loose dark brown silty sand fill (071) was encountered to the south of wall 074, immediately above damp-coursing 076 and the wooden planks (075). Within the fill (071) were modern paving slabs, strands of cabling, plastic barrier fragments and recent (within the last decade) drinks cans and bottles.

#### *Trench 4*

Trench 4 ran almost parallel to Trench 3, and was 3m further to the west (Fig. 3, 8). An extension of 2.5m in width and 7m in length was opened from the northern end of Trench 4, to the east, once structural remains had been revealed. Deposits of blue-grey (079) and brown hardcore (081) with concrete patches (080) made up the existing surface. Beneath this a deposit of grey-green hardcore (083) separated by black asphalt layers (082, 083) was encountered.

A compact black mixed sandy silt deposit (097) was found below these recent surface layers and covered almost the entirety of the trench. Immediately beneath this, 0.9m north of the southern end of the trench, cobbled surface 098 was revealed at a depth of 0.5m from the present ground level (Fig. 9). This appeared to be truncated to the south but continued for 5m to the north where it butted up to wall (091), although patches of it were absent. This cobbling was encountered at the same level as cobbled surface (078) in Trench 3 and appeared to be of similar style and construction. Beneath 098 was a compact black silty clay rubble deposit (084), most likely the same as (063) in Trench 3, which ran up to wall (091) to the north and lay directly on clay natural (000).

In the centre of Trench 4, an L shaped stone wall (091) was identified measuring up to 1.24m in width and 0.9m in height with significant foundation courses in places. Wall 091 ran for 2.5m east-north-east to west-south-west from the western trench edge before returning north-south for 5.5m to the northern limit of the trial trench. On its western elevation this wall section had foundations visible, 0.15m in width and 0.3m in depth, giving a total height of 0.9m for the surviving wall. The east-north-east to west-south-west section of the wall was 0.72m in height without any foundation courses visible. A possible construction cut (087) for wall 091 could be seen to the north. A coarse yellow mortar was used to bond the stones together and was seen over much of the wall's faces as well as on its upper surface, indicating the probability of further coursing which has now been truncated.

At the northern end of Trench 4 a further wall (092) was encountered running east-north-east to west-south-west, butting up to the western face of wall 091 (Fig. 8). This wall measured 0.44m in height and 0.24m in width at its surviving upper course but two courses of stepped foundations increased this to at least 0.6m at its base (the northern elevation and any potential foundations were not fully revealed). A possible construction cut (089) for this wall could be seen to the south. Wall 092 appeared to be an internal dividing wall for a building which had wall 091 as a main external wall that continued past 092 to the north.

In the eastern part of Trench 4, running parallel to wall 091, another L-shaped wall (093) was encountered (Fig. 10). The east-north-east to west-south-west portion was a continuation of wall -074 revealed in Trench 3. Wall 093 measured 0.61m in width and was bonded together with a coarse yellow mortar. The edges of this wall were



defined but the area around it was not excavated. A loose dark brown silty sand fill was observed in the interior of the structure which appeared to be the same as **071** in Trench 3. A gap of 0.45m between the north-south walls of **091** and **093** was filled with a dark brown rubble fill (**094**).

### *Trench 5*

Trench 5 was the most northerly trench on site and ran east-north-east to west-south-west with an extension to the north in its central part, 1.5m in length by 3m in width (Fig. 3, 12). A blue-grey hardcore surface (**099**) covered the entirety of the trench, below which a coarse rubble deposit was apparent.

In the centre of the trench, stone wall **109** was encountered orientated north-north-west to south-south-east (Fig. 12). It measured 0.64m in width at its truncated top and 0.92m in width when its foundation courses were included. A finer yellow mortar than that used on walls **091** and **074 / 093** was applied to bond the stones together and plaster with a green finish was observed in patches on the east-facing elevation. Wall **109** was at least 1.1m in height but excavation against its eastern face was halted before its base could be found due to the unstable nature of the trench edges. A series of sandy lenses, against the eastern elevation of wall **109**, were visible in the north-facing section of the trench and were truncated by modern cut **124**.

Stone wall **121** butted up against the western face of wall **109** and measured 0.36m in width and at least 0.55m in height, orientated east-north-east to west-south-west and continuing beyond the trench edge to the west.

In the area bounded by walls **121** and **109**, immediately to the south and west, was an intact slate and mortar floor (**108**) which continued beyond the trench edge (Fig. 11). A bone pin or awl was recovered from the black sandy silt deposit (**107**) which overlay this slate surface.

A modern red brick wall (**122**), one brick thick, butted up to wall **121** on its northern face and is probably part of an installation for access to services.

At the eastern end of the trench, modern cut **124** was filled with loose brown clayey silt (**118**) which contained a large amount of stone rubble. This cut may relate to a wall (**120, 119**) encountered against the eastern trench edge, orientated north-north-west to south-south-east, which had lower courses of stone (**120**) and four upper courses of red brick (**119**).

Within the area disturbed by cut **124** the possible remnants of an east-north-east to west-south-west orientate wall were revealed, constructed from stone and yellow mortar. Due to the precarious nature of the trench edges this feature was not investigated any further.

#### 4. CONCLUSION

Five trenches were excavated, covering 136m<sup>2</sup> (8.6% of the development site). The evaluation demonstrated that the remains of walls and foundations of several structures survive below the current ground level, in places only 0.15m below it, and often backfilled with modern debris.

The archaeological remains identified in the evaluation were restricted to the northern half of the site and included cobbled surfaces, main walls, internal walls, a slate surface and a bitumen damp-proofing layer.

Examination of the Ordnance Survey 1<sup>st</sup> Edition map (1853) with trench plans superimposed shows a correlation between several mapped structures and the walls (**074, 091, 093, 109**) found during the evaluation. The cobbled surface (**078, 098**) found in Trenches 3 and 4 also corresponds to an external yard area shown between several buildings on the map.

The correlation between the features recorded in the trial trenches and the structures shown on the 1st Edition map suggest that the excavated remains in Trenches 3-5 are potentially early 19<sup>th</sup> century in date.

The remains in the southern half of the site (Trenches 1-2) comprised utility services, concrete and brick surfaces, and a brick wall likely to be the remnants of part of the 20th century Empire Garage.

The responsibility for deciding the scope of further work required lies solely with the City of Edinburgh Council Archaeology Service (CECAS).

The project archive, comprising all CFA record sheets, maps and reports, will be deposited with the National Monuments Record of Scotland (NMRS) and copies of reports will be lodged with the City of Edinburgh Council Sites and Monuments Record.

A summary statement of the results of this evaluation will be submitted for publication in *Discovery and Excavation in Scotland* (Appendix 5) and the project will also be reported on through *OASIS Scotland*.

## 5. REFERENCES

Ordnance Survey Town Plan of Edinburgh, sheet 36, 1853

Ordnance Survey Town Plan of Edinburgh, sheet 36, revised 1877

Ordnance Survey First Edition County Series of the City of Edinburgh, Sheet III.8.21, 1894

Smith, A. N (2010) *Festival Theatre Extension: archaeological desk-based assessment*. Headland Archaeology (UK) Ltd, unpublished archive report.

## APPENDIX 1: Context Register

Context no.	Trench	Fill of	Type	Description
000	Site		Deposit	Firm orangey-yellow natural clay throughout area
001	Trench 1		Deposit	Topsoil (0.05m thick) around trench 1
002	Trench 1		Deposit	Hardcore gravel packing (c. 0.1-0.25m thick) found throughout trench 1
003	Trench 1		Deposit	Modern mixed deposit, dark brown sandy silt with pink clay patches and gravel inclusions
004	Trench 1		Deposit	Assemblage of bricks and stone slabs used to create surface level with that of concrete layer (005) to the south
005	Trench 1		Deposit	Modern deposit of concrete (0.12m thick) found across the southern half of trench 1, used as surface within garage
006	Trench 1		Deposit	Mixed dark brown rubble layer (0.12m thick) with modern brick fragments used as a packing layer for concrete deposit (005) to sit on
007	Trench 1		Cut	Construction cut for garage wall (015)
008	Trench 1	007	Deposit	Dark brown/black silty clay fill of wall cut (007) with rubble like inclusions
009	Trench 1		Cut	Cut of lead pipes service trench
010	Trench 1	010	Deposit	Dark brown silty sand fill of service trench (009)
011	Trench 1		Cut	Cut of ceramic pipe service trench
012	Trench 1	011	Deposit	Dark brown silty sand fill of service trench (011)
013	Trench 1		Deposit	Cut of ceramic pipe service trench
014	Trench 1	013	Deposit	Black silty sand fill of service trench (013) with frequent gravel like inclusions
015	Trench 1		Structure	Modern red brick wall (0.26m in width) acting as a boundary for concrete deposit (005) to the south and stone slabs (004) to the north. Most likely part of modern garage complex
016	Trench 1		Cut	Cut of unexcavated linear feature to the south of trench 1 which was contaminated with diesel
017	Trench 1	016	Deposit	Black fill of linear feature (016) which was contaminated with diesel so was left unexcavated
018	Trench 2		Deposit	Modern concrete deposit (0.1-0.3m thick) over the entirety of trench 2 and to the south of investigation area, which has formed the surface of the present car park
019	Trench 2		Deposit	Brick and stone slab layer (0.15m thick) used as undercourse for concrete deposit (018) in southern and northern area of trench 2
020	Trench 2		Deposit	Dark brown silty sand deposit (c. 0.15-0.28m thick) with brick fragments and rubble make up below concrete (018) in central and northern area of trench 2
021	Trench 2	022	Deposit	Modern pipe installation running across the centre of trench 2, comprising five metal pipes (each with a diameter of 0.05m) set on a concrete base and bordered by modern bricks
022	Trench 2		Cut	Cut for modern pipe installation
023	Trench 2	022	Deposit	Dark grey sandy silt fill of (022) with rubble inclusions that surrounds pipe installation (021)
024	Trench 2		Deposit	Black silty sand deposit (0.15m thick) found in the centre of trench 2
025	Trench 2		Deposit	Remains of black asphalt surface (0.15m thick) below the undercourse for present concrete car park surface (018)
026	Trench 2		Deposit	Yellow grey silty sand deposit with rubble makeup (c. 0.15m thick), below asphalt surface (025), which is cut by service trenches to the north

Context no.	Trench	Fill of	Type	Description
027	Trench 2		Deposit	Black sandy silt deposit (c. 0.15m thick) found towards the southern end of trench 2
028	Trench 2		Deposit	Reddish brown clay lens (c. 0.05m thick) found at the southern end of trench 2
029	Trench 2		Deposit	Mixed deposit of reddish black silty clay with frequent small to medium stone inclusions
030	Trench 2		Cut	Cut of lead pipe service trench orientated east-west
031	Trench 2	030	Deposit	Dark brown sandy silt fill of lead pipe service trench (030)
032	Trench 2		Cut	Cut of ceramic pipe service trench orientated east-west
033	Trench 2	032	Deposit	Dark brown sandy silt fill of lead pipe service trench (032)
034	Trench 2		Cut	Cut of ceramic pipe service trench orientated east-west
035	Trench 2	034	Deposit	Black silty sand fill of service trench (034)
036	Trench 2		Cut	Cut of ceramic pipe service trench orientated northeast-southwest
037	Trench 2	036	Deposit	Orange clay fill of ceramic pipe service trench (036)
038	Trench 2		Deposit	Black sandy silt organic upper fill (c. 0.4m thick) of red brick structure (040)
039	Trench 2		Deposit	Dark grey ashy basal fill (c. 0.08m thick) of red brick structure (040)
040	Trench 2		Structure	Red brick sump like structure in the centre of trench 2, square/rectangular in plan (width 1.6m). White mortar used to bond bricks together.
041	Trench 2		Deposit	Mixed yellow/grey silty sand deposit (c. 0.2m thick) beneath concrete (018) and undercourse for concrete (019) towards the northern end of trench 2
042	Trench 2		Deposit	Dark brown clay deposit (c. 0.25m thick) with medium stone inclusions found beneath concrete (018) and undercourse for concrete (019) towards the northern end of trench 2
043	Trench 2		Cut	Cut of metal pipe service trench orientated east-west
044	Trench 2	043	Deposit	Mid brown silty clay fill of service trench (043)
045	Trench 2		Cut	Cut of lead pipe service trench orientated north-south
046	Trench 2	045	Deposit	Dark brown sandy silt fill of service trench (045)
047	Trench 2		Deposit	Disused manhole shaft constructed of yellow and pink bricks with dead services running into it, at the northern end of trench 2
048	Trench 3		Deposit	Blue hardcore deposit (0.1-0.2m thick) used as surface for construction compound/car park over central area of site, same as (079)
049	Trench 3		Deposit	Mid brown hardcore deposit with clay patches (0.08m thick)
050	Trench 3		Deposit	Black asphalt layer (0.08m thick) at southern end of trench 3
051	Trench 3		Deposit	Light brown/green sandy gravel deposit (c. 0.1m thick) at southern end of trench 3
052	Trench 3		Deposit	Black mixed silty clay deposit (at least 0.4m thick)
053	Trench 3		Deposit	Lead water pipe (cut undefined)
054	Trench 3		Deposit	Ceramic pipe (cut undefined)
055	Trench 3		Deposit	Green hardcore deposit (0.15-0.4m thick) used as surface for construction compound/car park
056	Trench 3		Deposit	Patch of mixed brown hardcore (c. 0.15m thick and 1.7m in length)
057	Trench 3		Deposit	Patch of blue hardcore (c. 0.2m thick and 2.3m in length)
058	Trench 3		Cut	Cut beneath modern concrete (060)
059	Trench 3	058	Deposit	Mixed black silty clay rubble fill of cut (058)
060	Trench 3		Deposit	Modern concrete which has disturbed cobbled surface (078)

Context no.	Trench	Fill of	Type	Description
061	Trench 3		Deposit	Black silty sand layer (0.1m thick and 0.6m in length) immediately to the north of concrete (060)
062	Trench 3		Deposit	Coarse orange sand deposit (c. 0.1m-0.2m thick and 3.9m in length)
063	Trench 3		Deposit	Mixed black silty clay rubble which runs under cobbled surface (078) and up to wall (074)
064	Trench 3		Deposit	Fine black gravel deposit (c. 0.1-0.3m thick and 3m in length) which runs up to wall (074) to the north
065	Trench 3		Deposit	Fine brown gravel deposit (c. 0.2m thick and 1.9m in length) beneath hardcore layer (055) in the centre of trench 3
066	Trench 3		Deposit	Clean orange/red sand layer (c.0.15m thick and 4m in length) beneath hardcore (055)
067	Trench 3		Deposit	Coarse black hardcore makeup (c. 0.1m-0.35m thick and 5.9m in length) beneath concrete (068) in trench 3
068	Trench 3		Deposit	Modern concrete (0.12m thick and 1.5m in length) underneath sand (066) and hardcore (055)
069	Trench 3		Deposit	Dark brown/black mixed rubble hardcore (0.2m thick) beneath present surface (055)
070	Trench 3		Deposit	Compact mid brown/grey clay with modern rubble (c. 0.3m thick) at the northern end of trench 3
071	Trench 3		Deposit	Modern loose fill of structure (of which wall (074) is a part) that contains stone slabs and very modern debris.
072	Trench 3		Deposit	Southern construction cut for wall (074)
073	Trench 3	072	Deposit	Dark brown clayey silt fill of construction cut (072)
074	Trench 3		Structure	Mortared stone wall (0.58m in width and at least 1.2m in depth) orientated east-west across the centre of trench 3, same as wall (093) in trench 4
075	Trench 3		Deposit	Wooden planks laid on top of bitumen damp-course surface (076)
076	Trench 3		Deposit	Bitumen damp-course surface (0.04m thick) immediately to the north of wall (074) which extends throughout the rest of the trench to the north
077	Trench 3		Deposit	Ceramic pipe (cut undefined) at southern end of trench 3
078	Trench 3		Deposit	Cobbled surface (1.3m north-south by at least 1.45m east-west) which has been heavily truncated
079	Trench 4		Deposit	Blue hardcore deposit (0.1-0.15m thick) used as surface for construction compound/car park over central area of site, same as (048) in trench 3
080	Trench 4		Deposit	Modern concrete deposit (0.12m thick and 1.5m in length north-south)
081	Trench 4		Deposit	Brown hardcore deposit (0.1m thick) immediately to the north of concrete (080) which covers most of trench 4
082	Trench 4		Deposit	Black asphalt surface (0.08m thick) which covers the southern half of trench 4 beneath the present hardcore surface
083	Trench 4		Deposit	Green/grey hardcore deposit (0.08-0.2m thick) immediately below asphalt surface (082) in the southern half of trench 4
084	Trench 4		Deposit	Compact black clayey silt rubble deposit (c. 0.4-0.65m thick) to the north of wall (091)
085	Trench 4		Deposit	Dark grey/blue silty clay with sandy lenses (c. 0.2m thick) beneath cobbled surface (098)
086	Trench 4		Deposit	Dark brown clay deposit (0.1m thick and 1m in length) immediately to the south of wall (091)
087	Trench 4		Cut	Possible construction cut for wall (091)
088	Trench 4	087	Deposit	Dark brown silty clay fill of construction cut (087)
089	Trench 4		Cut	Possible construction cut for wall (092)

Context no.	Trench	Fill of	Type	Description
090	Trench 4	089	Deposit	Dark brown compact silty clay fill of construction cut (089)
091	Trench 4		Structure	Mortared stone wall (1.24m in width and up to 0.9m in depth) which runs east-west then returns north-south, in the centre of trench 4
092	Trench 4		Structure	Mortared stone wall (0.5m in depth with upper courses 0.3m wide) which abuts the north-south portion of wall (091)
093	Trench 4		Structure	Mortared stone wall (0.61m in width with unknown depth) that is most likely a continuation of wall (074) in trench 3
094	Trench 4		Deposit	Rubble fill (0.5m wide) between north-south portion of walls (091) and (093)
095	Trench 4		Deposit	Unexcavated modern loose fill in the interior of wall (093), same as (071)
096	Trench 4		Deposit	Black asphalt surface (0.07m thick) at the southern end of trench 4 below hardcore (083)
097	Trench 4		Deposit	Black compact mixed sandy silt deposit (0.06-0.25m thick) overlying cobbled surface (098) and wall (091)
098	Trench 4		Deposit	Truncated cobbled surface (c. 0.12m thick) which runs up to wall (091) in trench 4
099	Trench 5		Deposit	Blue/grey hardcore (0.1m thick) which covers the majority of trench 5
100	Trench 5		Deposit	Mixed coarse rubble deposit (0.4m thick)
101	Trench 5		Deposit	Black asphalt surface (0.05m thick) which runs up to wall (109)
102	Trench 5		Deposit	Yellow mortar like lens (0.04m thick and 1.4m in length east-west) immediately below asphalt surface (101)
103	Trench 5		Deposit	Dark brown silty clay deposit (c. 0.2m thick and 2.7m in length east-west) to the west of wall (109)
104	Trench 5		Deposit	Pinkish gravelly hardcore layer (c. 0.1m thick)
105	Trench 5		Deposit	Yellow mortar like lens (0.03m thick and 1.7m in length east-west) which runs up to wall (109)
106	Trench 5		Deposit	Dark reddish brown sandy silt (c. 0.3m thick by 4m in length east-west) above (107) and slate surface (108)
107	Trench 5		Deposit	Soft black sandy silt above slate surface (108)
108	Trench 5		Deposit	Slate and mortar surface which runs up to walls (109) and (121) in trench 5
109	Trench 5		Structure	Mortared stone wall (0.9m thick and at least 1.1m in depth) which runs north-south through the centre of trench 5
110	Trench 5		Deposit	Mid grey silty sand deposit (0.3m thick) to the east of wall (109)
111	Trench 5		Deposit	Dark grey/brown silty sand deposit (0.1m thick) to the east of wall (109)
112	Trench 5		Deposit	Light grey/yellow compact sand (0.1m thick) to the east of wall (109)
113	Trench 5		Deposit	Dark grey compact silty sand lens (0.04m thick) to the east of wall (109)
114	Trench 5		Deposit	Light brown/grey silty sand lens (0.06m thick) to the east of wall (109)
115	Trench 5		Deposit	Dark grey/brown sandy silt deposit (0.3m thick) overlying wall (109)
116	Trench 5		Deposit	Light grey silty sand deposit (c. 0.1-0.3m thick) to the east of wall (109)
117	Trench 5		Deposit	Mid grey silty sand deposit to the east of wall (109)
118	Trench 5		Deposit	Modern mixed brown clayey silt with large amounts of stone/rubble (at least 1.2m thick) in disturbed area at eastern end of trench 5
119	Trench 5		Structure	Red brick courses above stone wall (120) at the very

Context no.	Trench	Fill of	Type	Description
				eastern limit of trench 5
120	Trench 5		Structure	At least two courses of stone wall with red brick courses (119) built on top
121	Trench 5		Structure	Mortared stone wall (0.36m thick by at least 0.55m in depth) orientated east-west which abuts wall (109) to the east
122	Trench 5		Structure	Red brick wall (one stretcher wide by three stretchers long) built against the northern face of wall (121)
123	Trench 5		Structure	Fragments of possible mortared stone wall surviving at the eastern end of trench 5, orientated east-west, which has been truncated by modern intrusion
124	Trench 5		Cut	Modern cut through sandy lens at eastern end of trench 5

## APPENDIX 2: Photographic Register

Shot No.	Summary description of subject	Taken from	Conditions
001	JCB machine breaking out concrete surface	South-west	Overcast
002	Trench 1 excavated	North	Overcast
003	Close-up of trench 1 showing masonry (015) in foreground and services beyond	North	Overcast
004	Close-up of services in trench 1	North	Overcast
005	Close-up of trench 1 excavated with natural clay in the foreground	South	Overcast
006	Trench 1 excavated	South	Overcast
007	Section showing Ceramic pipe (014)	West	Overcast
008	Close-up of masonry (015)	West	Overcast
009	Service cuts [009] and [011] with their respective service pipes	West	Overcast
010	Section showing services (014), (012) and (010)	West	Overcast
011	JCB machine excavating trench 2	North-west	Overcast
012	JCB machine excavating trench 2	North-west	Overcast
013	Trench 2 excavated	North	Sunny
014	Overhead shot of masonry (047) and service (044)	West	Sunny
015	Close-up of concrete fragment (018) with asbestos sheeting underlay	N/A	Sunny
016	Trench 2 excavated with natural in foreground	South	Sunny
017	Close-up of section showing brick coarse (019) and black asphalt layer (025)	West	Overcast
018	Close-up of section at the southern end of trench 2	West	Overcast
019	Close-up of section at the southern end of trench 2	West	Overcast
020	Shot of possible sump structure (040)	West	Overcast
021	Garage pipes and surround (021)	West	Overcast
022	Garage pipes and surround (021) with masonry (040)	West	Overcast
023	Services at the northern limit of garage pipes (021)	East	Overcast
024	Shot of garage services (021) in trench 2	North	Sunny
025	Shot of garage services (021) in trench 2	North	Sunny
026	Trench 2 excavated with natural in foreground	South	Sunny
027	Trench 2 excavated with natural in foreground	North	Sunny
028	Trench 2 excavated with natural in foreground	North	Overcast
029	Overhead shot of masonry (047) and service (044)	West	Overcast
030	Overhead shot of cobbled surface (078) and concrete (060)	West	Overcast
031	Overhead shot of cobbled surface (078) and concrete (060)	West	Overcast
032	Trench 3 during cleaning	South	Overcast
033	Trench 3 during cleaning	South	Overcast



Shot No.	Summary description of subject	Taken from	Conditions
034	Overhead shot of wall (074), planks (075) and surface (076)	West	Overcast
035	Trench 3 excavated with services in foreground	South	Overcast
036	Trench 3 excavated with services in foreground	South	Overcast
037	Close-up shot of bitumen surface (076) and wooden planking (075) with sondage through them	North	Overcast
038	Close-up shot of bitumen surface (076) and wooden planking (075) with wall (074)	North	Overcast
039	Overhead shot of wall (074), planks (075) and surface (076)	West	Overcast
040	Shot of bitumen surface (076) and wooden planking (075) with wall (074)	North	Overcast
041	Shot of bitumen surface (076) and wooden planking (075) with wall (074)	North	Overcast
042	Trench 3 excavated	North	Overcast
043	Overhead shot of cobbled surface (098) in trench 4	West	Overcast
044	South facing elevation of wall (091)	South	Overcast
045	South facing elevation of wall (091)	South	Overcast
046	Overhead shot of south-east corner of wall (091)	West	Overcast
047	Shot of wall (091)	East	Overcast
048	North facing elevation of wall (091) showing foundation courses	North	Overcast
049	Shot of trench 4 with wall (091) in foreground and cobbled surface (098) in the distance	North	Overcast
050	Shot of trench 4 with wall (091) in foreground and cobbled surface (098) in the distance	North	Overcast
051	Shot of trench 4 with wall (091) in foreground and cobbled surface (098) in the distance	North	Overcast
052	Overhead shot of cobbled surface (098) in trench 4	West	Overcast
053	Shot of walls (091) and (093) in trench 4	North	Overcast
054	Shot of walls (091) and (093) in trench 4	North	Overcast
055	Shot of walls (091) and (093) in trench 4	North	Overcast
056	Shot of walls (091) and (093) in trench 4	East	Overcast
057	Shot of walls (091) and (093) in trench 4 with cobbled surface (098) in the foreground	South	Overcast
058	Shot of walls (091) and (093) in trench 4 with cobbled surface (098) in the foreground	South	Overcast
059	Cobbled surface (098) with deposit (085) beneath	West	Overcast
060	West facing elevation of wall (091) in trench 4	West	Overcast
061	North facing elevation of wall (091) showing foundation courses	North	Overcast
062	Cobbled surface (098) with deposits (085) and (084) beneath	North	Overcast
063	Shot of trench 4 with wall (092) in the foreground	North	Overcast
064	Trench 4 excavated	North	Overcast
065	Trench 4 excavated	North	Overcast
066	Trench 4 excavated	North	Overcast
067	South facing elevation of wall (092) showing foundation course	South	Overcast
068	Interface between wall (092) and (091)	South-west	Overcast
069	General shot of trench 4 showing walls and cobbling	South-east	Overcast
070	General shot of trench 4 showing walls and cobbling	South-east	Overcast
071	Shot of walls (091), (092) and (093) in trench 4	East	Overcast
072	Trench 4 excavated	South	Overcast
073	Trench 5 excavated showing walls (109) and (121), with slate surface (108)	West	Sunny
074	Shot of walls (109) and (121)	North	Sunny
075	Walls (109) and (121) with modern red brick structure (122) seen to the right	North-east	Sunny
076	Trench 5 excavated	East	Overcast
077	Trench 5 view of slate surface (108) and walls (109) and (121)	South	Overcast
078	Trench 5 view of slate surface (108) and walls (109) and (121)	South	Overcast

<b>Shot No.</b>	<b>Summary description of subject</b>	<b>Taken from</b>	<b>Conditions</b>
079	Trench 5 view of slate surface (108) and walls (109) and (121)	South	Overcast
080	Trench 5 view of slate surface (108) and walls (109) and (121)	South	Overcast
081	Trench 5 view of slate surface (108) and walls (109) and (121)	South	Overcast
082	Close-up of west facing elevation of wall (109)	West	Sunny
083	Close-up of north facing elevation of wall (121)	North	Sunny
084	Shot of red brick structure (122)	North-east	Sunny
085	Close-up of east facing elevation of wall (109)	East	Sunny
086	Shot of trench 5 showing walls (109) and (121)	East	Sunny
087	Shot of trench 5 showing walls (109) and (122)	East	Sunny
088	Close-up of the north facing section in trench 5	North	Sunny
089	Close-up of the north facing section in trench 5 showing slate surface (108)	North	Sunny
090	West facing elevation of wall (109)	West	Sunny
091	Overhead shot of wall (109) and its foundation courses	West	Sunny
092	Overhead shot of wall (109) and its foundation courses	West	Sunny
093	Overhead shot of walls (109) and (121) with slate surface (108)	North	Sunny
094	Overhead close-up shot of slate surface (108)	North	Sunny
095	West facing elevation of wall (120) with upper red brick masonry course (119)	West	Overcast
096	West facing elevation of wall (120) with upper red brick masonry course (119)	West	Overcast
097	Close-up of green plaster on east facing elevation of wall (109)	East	Overcast
098	Close-up of green plaster on east facing elevation of wall (109)	East	Overcast
099	Close-up of east facing elevation of wall (109) showing foundation courses	East	Overcast

### APPENDIX 3: Drawing Register

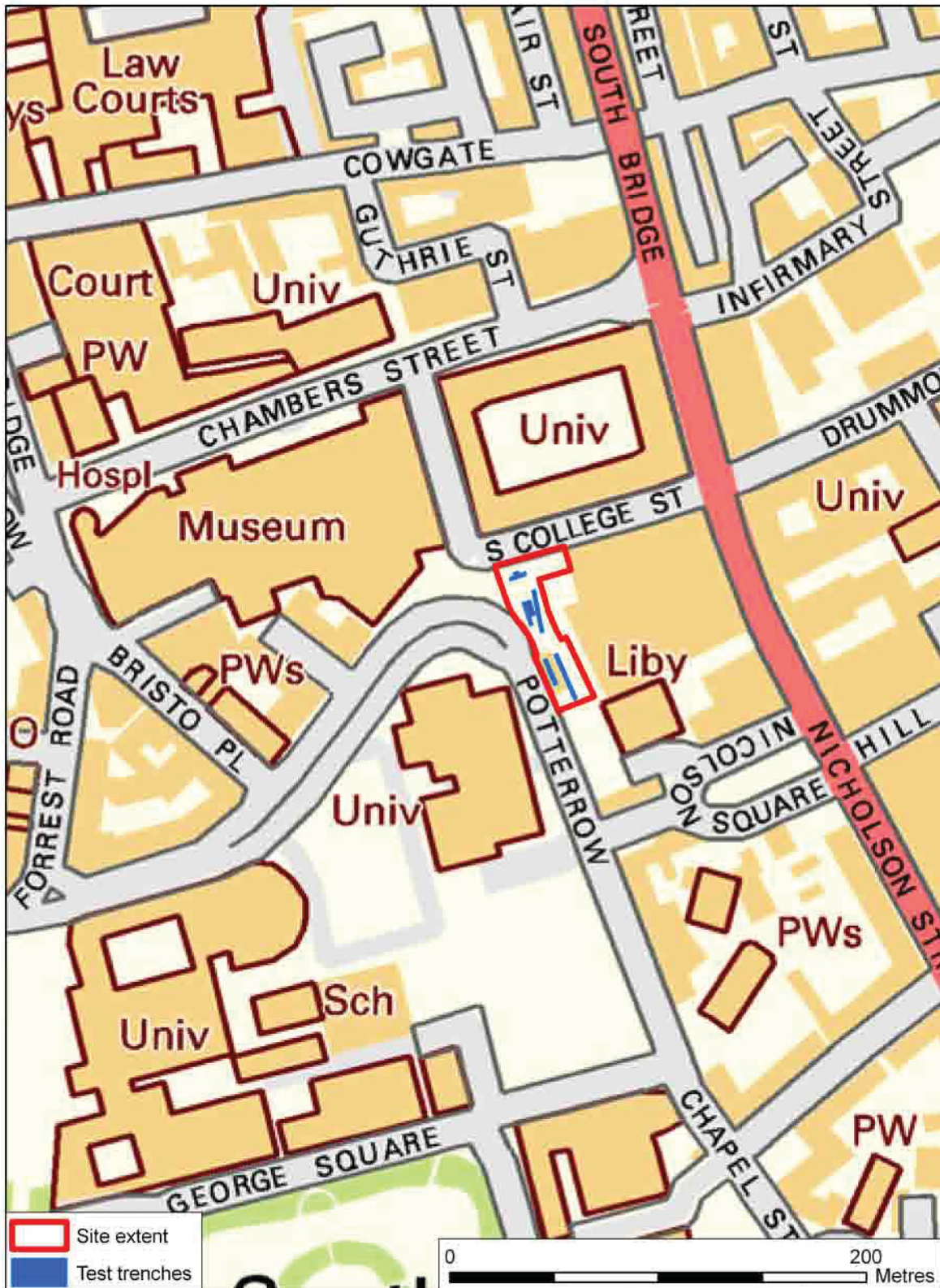
Dwg No.	Sheet No.	Scale	Plan / Section	Description/contexts
1	1	1:50	Plan	Scale plan of Trench 1
2	1	1:20	Section	West facing section of Trench 1
3	1	1:50	Plan	Scale plan of Trench 2
4	2	1:20	Section	West facing section of Trench 2
5	3	1:50	Plan	Scale plan of Trench 3
6	4	1:20	Section	East facing section of Trench 3
7	1	1:50	Plan	Scale plan of Trench 4
8	5 & 6	1:20	Section	East facing section of Trench 4
9	7	1:50	Plan	Scale plan of Trench 5
10	8	1:20	Section	North facing section of Trench 5

### APPENDIX 4: Summary of Excavation Results

Trench	Dimensions (m)	Total Area (m <sup>2</sup> )	Description
1	13 x 1.5	19.5	Aligned NNW-SSE. Contexts 001-017. Natural consists of a firm orangey-yellow clay. Brick wall (015) with associated concrete surface (005). Modern services (009, 011, 013) and diesel contaminated linear feature (016).
2	23.5 x 1.5	35.25	Aligned NNW-SSE. Contexts 018-047. Natural consists of a firm orangey-yellow clay. Multiple services including garage pipe installation (022), manhole structure (047) and square brick chamber (040).
3	20.5 x 1.5	30.75	Aligned NNW-SSE. Contexts 048-078. Natural consists of a firm orangey-yellow clay. Cobbled surface (078), wall (074), damp-course surface (076).
4	11.5 x 1.5 + 7 x 2.5 extension	34.75	Aligned NNW-SSE. Contexts 079-098. Natural consists of a firm orangey-yellow clay. Cobbled surface (098), walls (091-093).
5	8 x 1.5 + 2.5 x 1.5 extension	15.75	Aligned ENE-WSW. Contexts 099-124. Natural consists of a firm orangey-yellow clay. Slate and mortar surface (108), walls (109, 121, 120).

## APPENDIX 5: Discovery & Excavation in Scotland Entry

<b>LOCAL AUTHORITY:</b>	City of Edinburgh
<b>PROJECT TITLE/SITE NAME:</b>	18-22 Potterrow, Edinburgh
<b>PROJECT CODE:</b>	FEST
<b>PARISH:</b>	Edinburgh
<b>NAME OF CONTRIBUTOR:</b>	Ben Blakeman
<b>NAME OF ORGANISATION:</b>	CFA Archaeology Ltd
<b>TYPE(S) OF PROJECT:</b>	Evaluation
<b>NMRS NO(S):</b>	None
<b>SITE/MONUMENT TYPE(S):</b>	Buildings
<b>SIGNIFICANT FINDS:</b>	None
<b>NGR (2 letters, 10 figures)</b>	NT 25939 73252
<b>START DATE (this season)</b>	November 2011
<b>END DATE (this season)</b>	November 2011
<b>PREVIOUS WORK (incl. DES ref.)</b>	N/A
<b>MAIN (NARRATIVE) DESCRIPTION:</b> (May include information from other fields)	<p>Five trenches were excavated, covering 136m<sup>2</sup> (8.6% of the development site). The evaluation demonstrated that the remains of walls and foundations of several structures survive below the current ground level, in places only 0.15m below it, and often backfilled with modern debris.</p> <p>The archaeological remains identified in the evaluation were restricted to the northern half of the site and included cobbled surfaces, main walls, internal walls, a slate surface and a bitumen damp-proofing layer.</p> <p>Examination of the Ordnance Survey 1<sup>st</sup> Edition map (1853) with trench plans superimposed shows a correlation between several mapped structures and the walls found during the evaluation. A cobbled surface found in Trenches 3 and 4 also corresponds to an external yard area shown between several buildings on the map.</p> <p>The correlation between the features recorded in the trial trenches and the structures shown on the 1st Edition map suggest that the excavated remains are potentially early 19<sup>th</sup> century in date.</p>
<b>PROPOSED FUTURE WORK:</b>	Not known
<b>CAPTION(S) FOR ILLUSTRS:</b>	-
<b>SPONSOR OR FUNDING BODY:</b>	
<b>ADDRESS OF MAIN CONTRIBUTOR:</b>	The Old Engine House, Eskmills Park, Musselburgh, EH21 7PQ
<b>EMAIL ADDRESS:</b>	cfa@cfa-archaeology.co.uk
<b>ARCHIVE LOCATION (intended/deposited)</b>	National Monuments Record of Scotland (archive) City of Edinburgh Council Sites and Monuments Record (report)



Key:



Fig. No: 1 Revision: A Client: Mott MacDonald Ltd

Title: Location Map

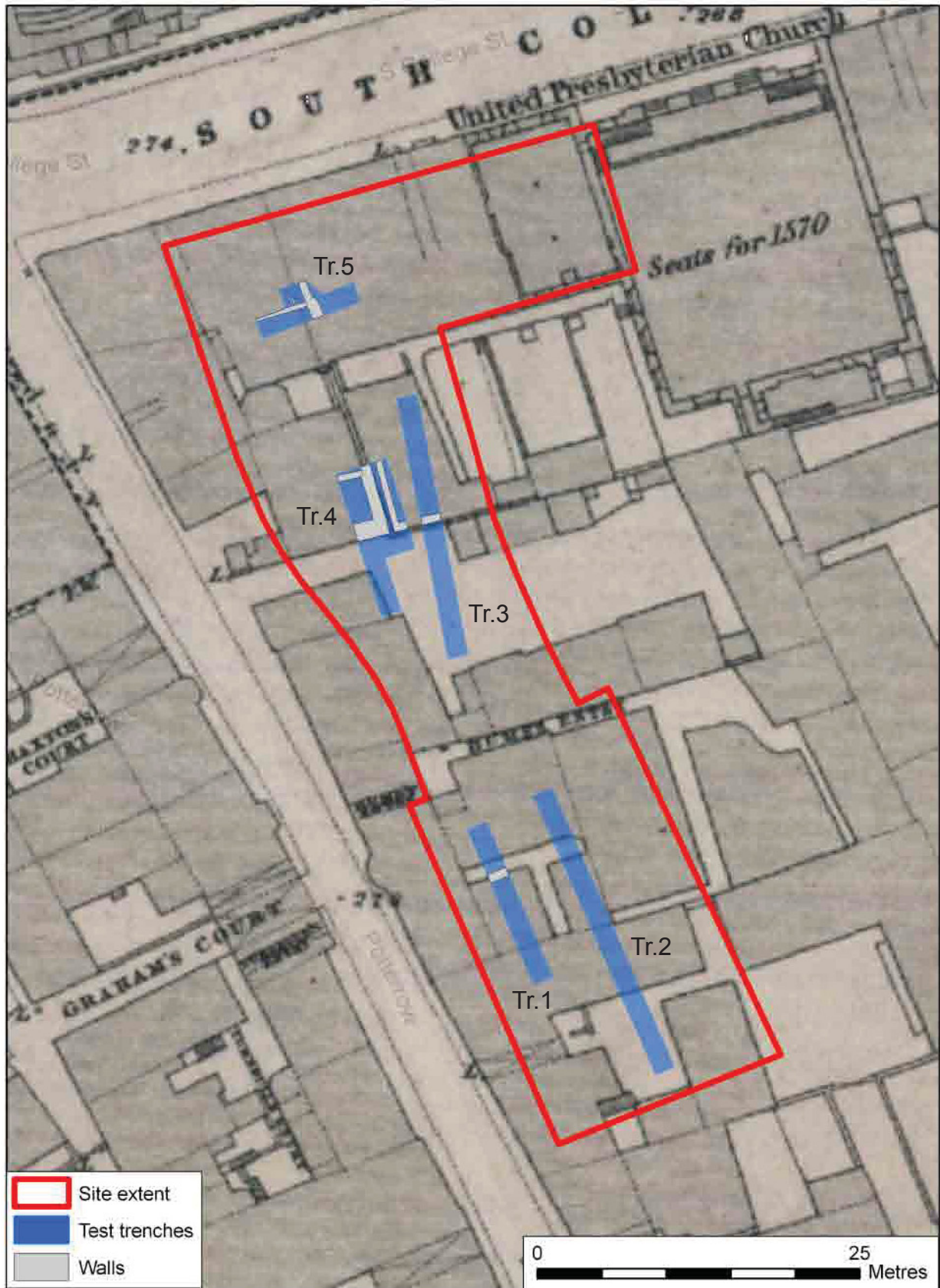
Project: 18-22 Potterrow, Edinburgh

Scale:

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Drawn by: BB Checked: Report No: 1986



Key:



Fig. No: 2 Revision: A Client: Mott MacDonald Ltd

Title: OS map (1853) with trench overlay

Project: 18-22 Potterrow, Edinburgh

Scale:



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Key:

- stone
- concrete
- brick
- services
- wood

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Fig. No: 3 Revision: A

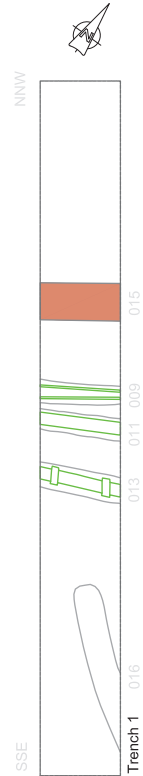
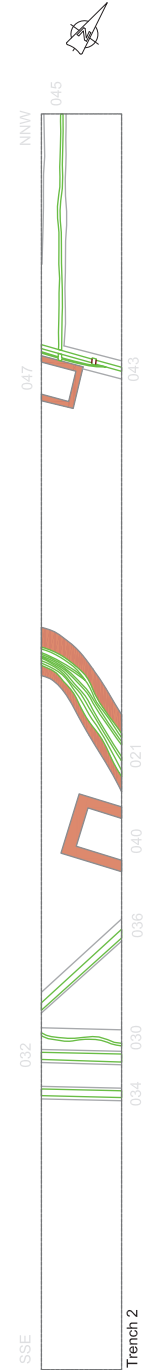
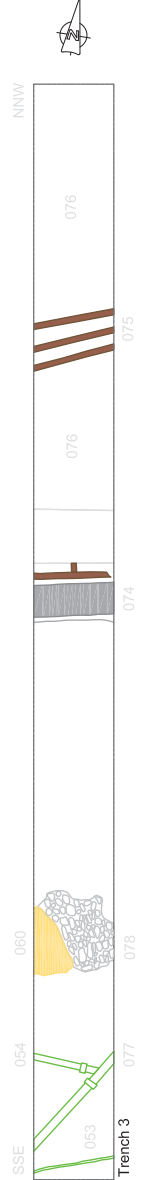
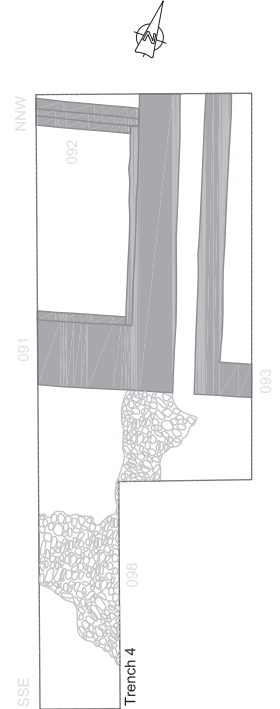
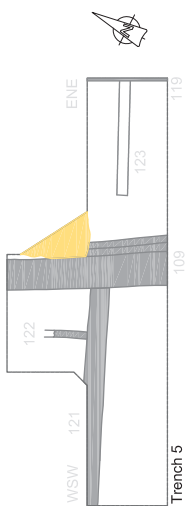
Title: Plan of trenches

Project: 18-22 Potterrow, Edinburgh

Client: Mott MacDonald Ltd

Scale at A3: 1:100

Drawn by: GC  
Checked: LW  
Report No: 1986



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Fig 4 - General shot of Trench 1



Fig 5 - General shot of Trench 2



Fig 6 - General shot of Trench 3

Key:



Fig. No: 4-6 Revision: A Client: Mott MacDonald Ltd

Title:

Project:

18-22 Potterrow, Edinburgh

Scale at A4:



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Checked:

Report No:

1986





Fig 7 - Shot of wall (074) showing wooden planks (075) and damp-coursing (076) in Trench 3



Fig 8 - General shot of Trench 4 with wall (092) in the foreground and cobbled surface (098) in the distance



Fig 9 - Shot of cobbles (098) in Trench 4

Key:



Fig. No: 7-9 Revision: A Client: Mott MacDonald Ltd

Title:

Project:

18-22 Potterrow, Edinburgh

Scale at A4:



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Fig 10 - Shot of Trench 4 with walls (093) and (091) in the foreground



Fig 11 - General shot of Trench 5 with slate surface (108) and wall (121) in the foreground



Fig 12 - General shot of Trench 5 with wall (109) in the foreground

Key:



Fig. No: 10-12 Revision: A Client: Mott MacDonald Ltd

Title:

Project: 18-22 Potterrow, Edinburgh

Scale at A4:



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